MARSTON MIDDLE SCHOOL WHOLE SITE MODERNIZATION AND JOINT USE FIELD PROJECT

Initial Study/Mitigated Negative Declaration

Prepared for
San Diego Unified School District

December 2020

San Diego Unified
SCHOOL DISTRICT

ESA

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ACRONYMS

AB	Assembly Bill
ADA	Americans with Disabilities Act
ALUCP	Airport Land Use Compatibility Plan
APN	Assessor's Parcel Number
BMPs	Best Management Practices
CalEEMod	California Emissions Estimator Model
CAP	Climate Action Plan
CAL FIRE	California Department of Forestry and Fire Protection
Caltrans	California Department of Transportation
Cal/OSHA	California Division of Occupational Safety and Health
CAPCOA	California Air Pollution Control Officers Association
CARB	California Air Resources Board
CBC	California Building Code
CCR	California Code of Regulations
CEC	California Energy Commission
CEQA	California Environmental Quality Act
CH_4	Methane
City	City of San Diego
CM	Construction Measures
CMP	Congestion Management Program
CO	Carbon Monoxide
CO_2	Carbon Dioxide
dB	decibel
District	San Diego Unified School District
DG	decomposed granite

DSA	California Division of State Architects
DPM	diesel particulate matter
DTSC	Department of Toxic Substances Control
EIR	Environmental Impact Report
EO	Executive Order
FEMA	Federal Emergency Management Agency
FTA	Federal Transportation Agency
GHG	greenhouse gases
HABS	Historic American Buildings Survey
HAER	Historic American Engineering Record
HRA	Historic Resource Assessment
HI	hazard index
HVAC	heating, ventilation, and air conditioning
I	Interstate
IS	Initial Study
JUA	Joint Use Agreement
JUF	Joint Use Field
LBS	pounds
LUST	Leaking Underground Storage Tank
MBTA	Migratory Bird Treaty Act
MGD	million gallons per day
MHPA	Multi-Habitat Planning Area
MLD	Most Likely Descendent
MSCP	Multiple Species Conservation Plan
MT	Mount
MTCO2E	metric tons of carbon dioxide equivalent
MTS	Metropolitan Transit System
MND	Mitigated Negative Declaration
MRZ	Mineral Resource Zone
NAHC	Native American Heritage Commission
NCWRP	North City Water Reclamation Plant
ND	Negative Declaration

NOI	Notice of Intent
N_2O	Nitrous Oxide
NOx	Nitrogen oxides
NPDES	National Pollutant Discharge Elimination System
O_3	ozone
OEHHA	Office of Environmental Health Hazards Association
PA	Public Address
PM	Particulate Matter
PM_{10}	particulate matter with an aerodynamic diameter of 10 micrometers or less
$PM_{2.5}$	particulate matter with an aerodynamic diameter of 2.5 micrometers or less
PRC	Public Resources Code
PRD	Parks and Recreation Department
PPV	peak particle velocity
PUD	Public Utilities Department
RAQS	Regional Air Quality Strategies
RWQCB	Regional Water Quality Control Board
RMS	root mean square
SANDAG	San Diego Association of Governments
SB	Senate Bill
SCIC	South Coastal Information Center
SDAB	San Diego Air Basin
SDAPCD	San Diego Air Pollution Control District
SDFD	San Diego Fire Department
SDG&E	San Diego Gas and Electric
SDNHM	San Diego Natural History Museum
SF	square foot
SLF	Sacred Lands File
SO_2	Sulfur Dioxide
SOP	Standard Operation Procedure
SR	State Route
STEAM	Science, Technology, Engineering, Arts and Math
SVP	Society of Vertebrate Paleontology

SWPPP	Stormwater Pollution Prevention Plan
SWRCB	State Water Resources Control Board
TCR	Tribal Cultural Resources
T-BACTs	Toxics Best Available Control Technologies
USEPA	United States Environmental Protection Agency
VHFHSZ	Very High Fire Hazard Severity Zones
VOCs	Volatile Organic Compound

CHAPTER 1
Introduction

1.1 Overview

The San Diego Unified School District (District), as the lead agency under the California Environmental Quality Act (CEQA), has prepared this Initial Study (IS) to evaluate the potential environmental impacts associated with the Marston Middle School Whole Site Modernization and Joint Use Field Project (Proposed Project). The Proposed Project involves improvements to the existing Marston Middle School (Project Site or campus), including demolition of existing portable classrooms and portions of the existing decomposed granite (DG) playgrounds, construction of a new gymnasium and joint-use field (JUF), reconfiguration and expansion of the parking area, interior renovations to all buildings, concrete paving replacement for Americans with Disabilities Act (ADA) compliant pathways, and the installation of new and upgraded safety and security features such as fencing, security cameras, emergency public address (PA) systems, and other security upgrades such as key-card access readers. The Proposed Project would not include any changes to the current number of students, student capacity, or staff. The JUF would be jointly operated by the District and the City of San Diego's (City's) Parks and Recreation Department (PRD) through a joint-use agreement (JUA). As part of the District's discretionary review process, the Proposed Project is required to undergo an environmental review in accordance with CEQA.

1.2 CEQA Requirements

Approval of the Proposed Project is a discretionary action and is therefore subject to the requirements of CEQA (Public Resources Code [PRC], Division 13, Sections 21000–21177) and the State CEQA Guidelines (California Code of Regulations [CCR], Title 14, Sections 15000–15387). IS /Environmental Checklist Forms such as this document are typically used as a basis for deciding whether to prepare an environmental impact report (EIR), a mitigated negative declaration (MND), or a negative declaration (ND) for a project, pursuant to CEQA.

An IS/Environmental Checklist Form is intended to satisfy the requirements of CEQA (PRC Division 13, Sections 21000–21177) and the State CEQA Guidelines (14 CCR Sections 15000–15387). CEQA encourages lead agencies and applicants to modify their projects to avoid significant adverse impacts. Per CEQA (14 CCR Section 15070), an MND may be prepared for a project subject to CEQA when an IS has identified potentially significant impacts on the environment, but when revisions to the project have been made so that no significant impacts on the environment would result from project implementation. Based on the findings of the IS, the

District has determined that preparation of the IS/MND is the appropriate method to conduct an environmental review of the proposed project in compliance with CEQA. Chapter 3 of this IS/MND contains the Environmental Checklist Form.

1.3 Terminology

The following terms are used to describe the level of significance of impacts.

- A finding of *no impact* is used if the analysis concludes that a project would not affect the particular topic area in any way.
- An impact is considered *less than significant* if the analysis concludes that a project would cause no substantial adverse change to the environment and requires no mitigation.
- An impact is considered *less than significant with mitigation incorporated* if the analysis concludes that a project would cause no substantial adverse change to the environment provided that environmental commitments or other enforceable measures are included as part of the Proposed Project.
- An impact is considered *potentially significant* if the analysis concludes that a project could have a substantial adverse effect on the environment.

1.4 Initial Study Organization

The content and format of this report are designed to meet the requirements of CEQA. This IS identifies the potential environmental impacts of the Proposed Project to support the decision to prepare an EIR, MND, ND, or exemption. The report contains the following sections.

- **Chapter 1, Introduction,** identifies the purpose and scope of the IS.
- **Chapter 2, Project Description,** identities the location and environmental setting of the Project Site and describes the Proposed Project in detail.
- **Chapter 3, Environmental Checklist,** presents the checklist responses for each resource topic. This section identifies the potential impacts of implementing the Proposed Project, and identifies all references and individuals cited in this IS.

CHAPTER 2
Project Description

2.1 Project Overview

This chapter provides a description of the Proposed Project, which provides a basis for the environmental analysis contained in this IS. The Proposed Project involves improvements to the existing Marston Middle School, including demolition of existing portable classrooms and portions of the existing DG playgrounds, construction of a new gymnasium and JUF, reconfiguration and expansion of the parking area, interior renovations to all buildings, concrete paving replacement for ADA compliant pathways, and the installation of new and upgraded safety and security features such as fencing, security cameras, emergency PA systems, and key-card access readers. With implementation of the Proposed Project there would be no changes to the current number of students, student capacity, or staff.

Currently there is an existing JUA for a portion of Marston Middle School that includes one City-owned backstop, one 0.4-acre softball field, 2.5 acres of DG play fields, and City-maintained ballfield lighting and its associated electrical system and a cargo container. The existing JUA would be rescinded and a new JUA would be executed between the District and the City's PRD that specifies details of the new joint use areas. The agreements for natural turf fields are typically for 25 years. The new JUA would cover both the existing joint use areas as well as the new joint use areas. The field would be constructed with District bond funding, while the City would commit to operating and maintaining the facilities.

The District would have exclusive use of the JUF from 30 minutes before the school campus opens until 30 minutes after the school's dismissal bell on Monday through Friday. The community would then have access to the field 30 minutes after school until 30 minutes before school, Monday through Thursday, and 30 minutes after school on Friday until 30 minutes before school on Monday. The Proposed Project does not include the installation of new lighting; accordingly, the newer portion of the field would not be used between dusk and dawn. Existing lighted areas would be used consistent with the existing JUA, which is currently unspecified but assumed to be consistent with the City Municipal Code Lighting Ordinance, which requires all outdoor lighting to be turned off between 11:00 P.M. and 6:00 A.M. (City of San Diego, 2020). District custodians would open and close the pedestrian gates leading to the JUF during the week.

2.2 Environmental Setting

2.2.1 Project Location

Marston Middle School is located at 3799 Clairemont Drive, San Diego, CA 92117 in the Clairemont community, in the central portion of the city of San Diego. As shown in **Figure 1**, Clairemont is located east of the community of Pacific Beach, west of the community of Kearny

Mesa, north of the community of Linda Vista, and south of the community of University. The campus is located approximately 0.8 miles east of Interstate (I-) 5, approximately 2.6 miles south of State Route (SR) 52, and approximately 2.3 miles west of I-805. Local access is provided by Balboa Avenue to the north, Mount (Mt.) Acadia Boulevard to the east and south, and Clairemont Drive to the west and south.

The entire 20.3-acre Marston Middle School campus is considered to constitute the Project Site. The Project Site is located entirely within Assessor's Parcel Number (APN) 425-850-07. The Project Site is bound by Ute Drive to the north, Clairemont Drive to the west, and Waco Street to the east, and the South Clairemont Recreation Center to the south, as shown in **Figure 2**.

2.2.2 Surrounding Uses

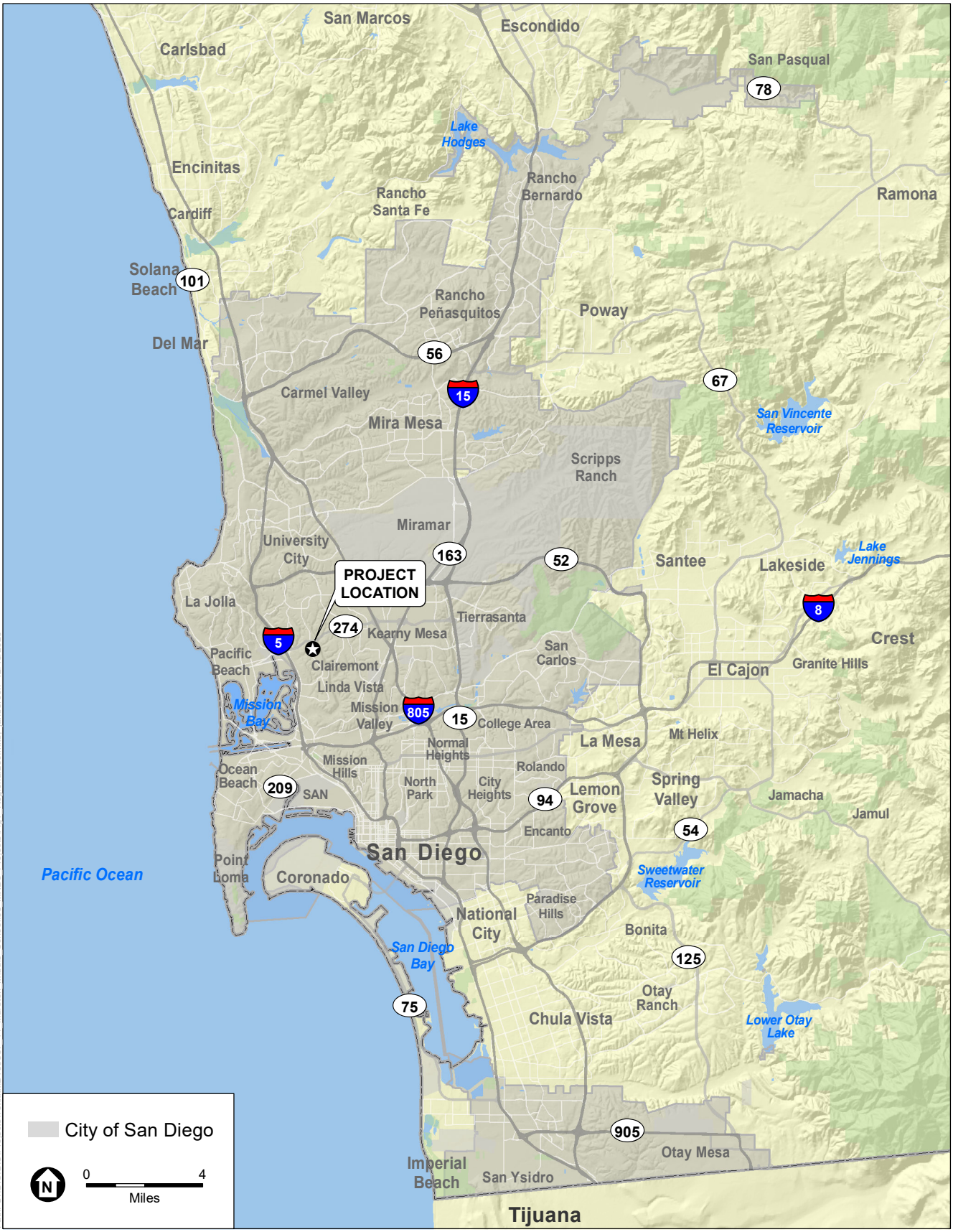
The Project Site is located within a suburban residential neighborhood comprised primarily of single-family (one and two story) homes to the north and east, with commercial uses to the west. The South Clairemont Recreation Center and Krause Family Skate & Bike Park is located immediately south of the Project Site, and provides active recreational uses, including a community park, softball field, basketball court, tennis court, community pool, and skate and bike facilities. Undeveloped canyons that are part of the larger Tecolote Canyon Natural Park are situated adjacent to the residential homes immediately east of the campus (approximately 600 feet east of the Project Site). Clairemont High School is located on Ute Drive, approximately 300 feet northwest of the Project Site, and Whittier School, an alternative school, is located south of the South Clairemont Recreation Center (approximately 730 feet from the Project Site).

2.2.3 Project Site Characteristics

The entire 20.3-acre Project Site is zoned as Residential-Single Unit RS-1-7 (City of San Diego 2012). According to the City of San Diego General Plan, the Project Site has a land use designation of Institutional and Public and Semi-Public Facilities that is consistent with its use as a school (City of San Diego 2008). The Project Site is located within an Institutional Overlay Zone as indicated in the Clairemont Mesa Community Plan (City of San Diego, 1989).

The Project Site is currently occupied by Marston Middle School, a sixth through eighth grade school focused on science, technology, engineering, arts and mathematics (STEAM). Construction of the school campus was completed in 1955 and established as "George W. Marston Junior High School". In 1984 the school reorganized from a junior high and was renamed "Marston Middle School". Since its original construction, a number of improvements have occurred, including the addition of portable classrooms, installation of a heating, ventilation,

and air conditioning (HVAC) system on the rooftops, construction of a library addition in 2003, ADA upgrades to the auditorium in 2010, and other general improvements. The school has a maximum capacity of 1,184 students and had a reported actual student enrollment of approximately 675 students during the 2020-2021 school year (District 2020a). Staffing numbers vary for each District school. However, a typical District Middle School Staffing ratio is approximately 29:1 student-to-staff ratio, or approximately 23 staff for Marston Middle School (District, 2020b).



SOURCE: ESRI; SanGIS 2015

Marston Middle School

Figure 1
Regional Location

ESA



SOURCE: Mapbox; SanGIS 2019

Marston Middle School

Figure 2
Project Location

ESA

As shown in **Figure 3**, primary campus development is situated in the northwestern portion of the Project Site, fronting Ute Drive and Clairemont Drive. The campus includes ten single-story permanent structures (including classrooms, an administration building, cafeteria, library, physical education facilities and auditorium). Landscaped courtyards and covered walkways are situated between buildings. Additionally, there are two groupings of portable buildings on the eastern portion of the Project Site near the surface parking lot, for a total of ten portables. One grouping includes three portable classrooms and a boy's and girl's restroom located east of the cafeteria. The second grouping are arranged side-by-side to one another, extending south from the northeastern parking lot. The portable facilities are currently used as offices and as a staff restroom. DG playground areas are located in the southern and eastern portion of campus. The DG playground in the southwest corner of the Project Site includes a small area of red infield soil baseball field, which is currently part of the existing JUA described above, and the asphalt playground in the south east corner of the Project Site includes racquetball courts and basketball courts.

Three general-use parking lots are located on the campus. The Project Site includes an 18-space lot (including one ADA space) located in the northwest corner of the Project Site, with ingress into the parking lot provided off Clairemont Drive and egress onto Ute Drive. In addition, a 45-space lot (including three ADA spaces) is located in the northeast corner of campus, with an ingress driveway and egress driveway from Ute Drive. This parking lot includes a side lot east of the main circulation path (near the portable buildings) with 7 parking spaces marked reserved for staff. A third 17-space lot (including one ADA space) is located in the central portion of the Project Site, immediately south of the southern wing of Building 100, which is used for staff parking. In addition, a paved driveway to the asphalt/decomposed granite playgrounds is located on the northeast portion of the Project Site via Ute Drive for emergency vehicles.

There are currently two locations designated for school bus loading/unloading operations. The first is located along Clairemont Drive, in front of the school's pedestrian entrance and administration building, and the second is located along Ute Drive, in front of the auditorium Additionally, Metropolitan Transit System (MTS) Bus Routes 50 and 105 northbound stop on Clairemont Drive directly in front of the Project Site, at the southeast corner of Clairemont Drive and Ute Drive, with the southbound bus stop across the street from the Project Site mid-block on Clairemont Drive, with buses running every 30 minutes. In addition, MTS Bus Route 27 stops at the intersection of Balboa Avenue and Clairemont Drive, located approximately 500 feet north of the Project Site, with buses running every 30 minutes (MTS 2019).

The campus is topographically higher in the southeast portion of the campus and gradually slopes to the northwest, where it is level with businesses to the west, immediately south of the intersection of Clairemont Drive and Ute Drive. Clairemont Drive, a major thoroughfare, becomes topographically lower than the Project Site moving south toward the South Clairemont Recreation Center. The eastern third of the campus is elevated with a ramp and staircases providing access from the elevated eastern portion of the campus to the western portion of the campus. Vegetated slopes buffer the Project Site to the north, west, and east.



SOURCE: Mapbox; SanGIS 2019

Marston Middle School

Figure 3
Existing Site Layout

ESA

As a public school, enrollment is based on residence within the school's enrollment boundary. The school is open during the traditional school year (late August through June) and does not provide summer school. Typical school hours (bell schedule) for in person instruction is between 8:40 a.m. to 3:35 p.m. Monday through Friday. In addition, a before and after school care program, PrimeTime, typically operates at the Project Site Monday through Friday from 6:45 a.m. to 8:55 a.m. and from 3:35 p.m. to 6:35 p.m. (District 2019a). Further, Communion Church San Diego utilizes the auditorium on Sundays, with a single service beginning at 10:00 a.m. (Communion Church San Diego 2019). Additionally, the auditorium has been used by the local Clairemont and broader San Diego community for performances by local groups and for community meetings consistent with the Civic Center Act. This has included public meetings and planning discussions, political forums, and multi-cultural performances.

2.3 Project Characteristics

The Proposed Project would modernize Marston Middle School, including demolition of existing portable classrooms and portions of the existing DG playgrounds, construction of a new gymnasium and JUF, reconfiguration and expansion of the parking area, interior renovations to all buildings, concrete paving replacement with ADA compliant pathways, and the installation of new and upgraded safety and security features such as fencing, security cameras, emergency PA systems, and other security upgrades such as key-card access readers. The Proposed Project components are shown on **Figure 4**.

2.3.1 Whole Site Modernization Improvements

Building 100 (administration and classroom buildings), Building 200 (classroom buildings), Building 300 (classroom buildings), the cafeteria building (Building 500), and Building 600 (locker and fitness building) would undergo interior and exterior modernization improvements. Improvements would include repairing interior and exterior finishes, new flooring and paint, replacing doors and windows as needed, ADA upgrades to restrooms and pathways, installation of new doors with electronic access, installation of interior and exterior LED light fixtures, and interior communication system and fire alarm upgrades as necessary. A new entryway would be included as part of the renovations to the administration building (Building 100). Improvements to the cafeteria building include modernizing and expanding the kitchen, serving/dining, and storage areas. Campus-wide improvements would also include additional safety and security features, including repairing sidewalks and ramps, adding exterior perimeter fencing, and installing additional mounted security cameras throughout the campus.

The Proposed Project would demolish the ten existing portables, including portable restrooms, which are located on the northeast portion of the campus. While the portable classrooms would be removed from the Project Site, there is adequate capacity for students within the existing permanent classroom buildings.



LEGEND

Proposed Improvements

① Dropoff Loop
② Entry Plaza
③ Gym Plaza
④ New Stair
⑤ Sloped Walk (ADA)
⑥ Concrete Seatwalls
⑦ Concrete Paving - Sand Finish
⑧ PAC Plaza
⑨ DG Field
⑩ Joint Use Field (Grass)
⑪ Walking Track (Asphalt Paving)
⑫ Sprint Track
⑬ Long Jump
⑭ Fire Lane w/ Planting
⑮ New Planting Areas

Existing Conditions

[1] Concrete Paving
[2] Asphalt Paving
[3] Shade Canopies
[4] Sport Courts
[5] Planting Area
[6] Sport Field Lighting
[7] Drain Channel

D160537.00 - San Diego Unified School District On-Call CEQA Services\03 Working Documents\D160537.14 - Marston IS NOE\05 Graphics-GIS-Modeling

SOURCE: San Diego Unified School District, 2020

Marston Middle School

Figure 4
Project Components

ESA

Additionally, the Proposed Project would construct a new approximately 13,000 square foot (sf) single-story gymnasium building. The new gymnasium facility would be located east of Building 600 (locker and fitness building), partly in place of an existing DG playground area. The proposed building would incorporate stucco, similar to existing buildings on the campus. All new and reconfigured interior and exterior lighting associated with the modernization improvements would be turned off consistent with District Administrative Regulation (AR) 3511(a), which requires all interior and exterior lighting to be turned off when students and staff leave for the day, typically before 10 pm.

2.3.2 Joint-Use Field

The Proposed Project includes the construction and operation of a JUF, which would be jointly operated by the District and the City through a JUA. The Proposed Project would replace an existing DG playfield with an expanded joint use area including a new approximately 4.5-acre (179,670 sf) natural turf field, a 16,550 sf asphalt path around the perimeter of the field, a sprint track, and a long jump area. Other amenities include ADA path of travel improvements, new landscaped areas, benches, new or replacement fencing, including new access gates, and drinking fountains. This would provide a new recreational space for District students and nearby residents. The natural turf field would require the installation of irrigation pipelines connecting to the City's existing infrastructure. No new nighttime lighting would be provided at the JUF, and no amplified noise would be permitted. Existing field lighting at southwest corner of the existing playfield would remain and be operated consistent with the existing use but would not be expanded.

A JUA would be executed between the District and the City that specifies details of the use, such as the hours of operation, types of activities/sports allowed at each site, security details, and maintenance details. The following are some of the key operational elements of the agreement.

The District would have exclusive use of the JUF from 30 minutes before the campus opens until 30 minutes after the dismissal bell on Monday through Friday. The community would then have access to the field 30 minutes after school until 30 minutes before school, Monday through Thursday, and 30 minutes after school on Friday until 30 minutes before school on Monday. The field would be closed from dusk until dawn. The JUF would be open to the community on weekends and on school breaks. The responsibilities to lock the joint-use area at night and unlock the joint-use area in the morning and on holidays and days when school is not in session shall be stated in the Annual Site Use Schedule as agreed to by the Parties.

The JUF may be used for organized sports activities. The JUA would address the possible use of the field by organized sports leagues including specifications for hours of use, number of participants, etc. The size of the JUF dictates what type of organized sports activity could occur. The field size for the Proposed Project would be 4.5-acres, and would be suitable, for example, for age 11 and younger junior soccer league play and practices. The field could be used for a variety of sports (pursuant to the JUA). In addition, the field would be available for third-party rentals and community use under the Civic Center Act, which permits organizations, clubs, and associations formed for recreational, educational, political, economic, artistic, and moral purposes to use school buildings and grounds.

Currently, the PRD irrigates active recreational turf areas three times per week. However, in the future, if watering restrictions increase, watering may decrease to comply with required conservation mandates. Additional field maintenance, such as mowing, would occur for four hours every other week, in accordance with the JUA. Additionally, the Proposed Project would incorporate a site drainage and erosion control feature east of the JUF, and best management practices (BMPs) to minimize operational storm water runoff. The operational BMP system would consist of site design elements, non-structural source controls, and treatment controls that are structural in nature. The maintenance of all operational BMPs included in the Proposed Project would be provided by the District's Physical Plant Operations department.

2.3.3 Access, Parking, and Circulation

As detailed above, there are three parking areas that serve the campus. The existing general-use parking lot in the northwest corner of the Project Site and the interior parking lot immediately south of Building 600 (locker and fitness building) would remain as currently configured, with 18-spaces and 17-spaces, respectively. The Proposed Project would include the expansion and reconfiguration of the northeastern general-use parking lot, which currently has 45 parking spaces. The Proposed Project would include an additional 51 parking spaces, for a total of 96 spaces (increasing the total number of parking spaces on site from 80 to 131). In addition to the additional parking spaces, the reconfigured northeast parking area would include a roundabout and lanes for improved student pick-up and drop-off. Ingress and egress into all of the general-use parking lots would remain the same as existing conditions. The proposed reconfigured general-use parking lot would keep ingress and egress points along Ute Drive, using existing driveways.

The reconfigured parking area would only serve the school and is not intended to be used for the JUF. Street parking along Clairemont Drive and Waco Street would accommodate parking for the proposed joint use area. A collection of on-street parking occupancy data was collected using Google Earth by measuring the length of available curb along Waco Street and Clairemont Drive. The parking count assumed 22 feet per parallel parking stall which resulted in approximately 77 parking spaces on Waco Drive and approximately 50 spaces along Clairemont Drive available to be used for the joint use area. Parking demand for the Proposed Project, including the JUF, was determined based on the City's Municipal Code (Section 142.050 et seq.). Specifically, Table 142-05G specifies parking ratios for specified non-residential use. The City's Municipal Code does not establish parking requirements for parks or sports fields; however, the Health Club land use requires one additional space per the maximum number of authorized players per court. The JUF would require 46 parking spaces (assuming four teams, 11 players per team, plus one additional space). Existing available on-street parking provides more than number of required spaces as defined by the City's Municipal Code.

Under the Proposed Project, the existing school bus loading/unloading would continue to occur along Clairemont Drive. Pick up/drop off along Ute Drive would be improved with the proposed new parking area. No other off-site transportation improvements are proposed.

2.3.4 Landscaping Plan

The Project Site consist almost entirely of impervious paved surfaces with some ornamental landscaping primarily in the courtyards between buildings. The Proposed Project would involve the addition of a new gymnasium, replacement of the southern DG playground with a 4.5-acre joint-use natural turf field, and the reconfiguration of the existing northeastern general-use parking lot. Overall, there would be a net decrease in the amount of impervious surfaces. A total of nine ornamental shade trees on the Project Site would be removed to construct the reconfigured parking lot. An undetermined number of new shade trees may be planted throughout the site.

2.3.5 Operational Changes

As stated above, the Proposed Project would include a JUA with the City to allow for community access to and use of the JUF. The field would be open to the community before and after school and on weekends and school breaks. The JUF would be closed from dusk until dawn. The Proposed Project does not change the current number of students, student capacity, or staff. Further, there would be no changes to the bell schedule as a result of the implementation of the Proposed Project.

2.3.6 Standard Operating Procedures

There are several existing JUFs within the City at other District facilities, which has led to the development of standard operating procedures. **Table 1** lists these procedures (City of San Diego 2016), which are considered project design features, as these practices are currently being utilized and were developed prior to conducting the environmental analysis within this checklist. Some standard procedures are not directly tied to issues analyzed within this CEQA document but are described below.

TABLE 1
PROJECT DESIGN FEATURES

Standard Construction Measures (CMs)	Responsible Party
CM-1 Construction (Traffic): A traffic control plan shall be prepared by the District's construction contractor prior to the start of construction that shall be approved by the City of San Diego. The plan shall include, but not be limited to, access routes, speed limits, and flagging.	District/City
CM-2 Construction (Water Quality): If construction activities disturb one (1) or more acres of land through clearing, grading, excavating, or stockpiling of fill material, a Stormwater Pollution Prevention Plan (SWPPP) shall be developed prior to construction. Site Design, Source Control, and Treatment Control Best Management Practices (BMPs) shall be implemented per the City's Stormwater Standards Manual.	District
CM-3 Construction (Compliance with the Migratory Bird Treaty Act (MBTA) If construction activities were to occur between January 15 and August 31): A preconstruction survey by a qualified biologist shall be conducted within 50 feet of vegetation no more than seven (7) days prior to construction occurring and immediately before construction commences. If nests are observed, an appropriate buffer in compliance with the MBTA shall be established	District
CM-4 Construction (Compliance with State CEQA Guidelines Section 15064.5(f)): In the event unexpected archaeological resources are uncovered during ground-disturbing activities associated with the Proposed Project, work shall stop in the immediate area until it is evaluated by a qualified archaeologist to ensure satisfactory compliance with applicable regulations (14 California Code of Regulations (CCR) 15064.5(f)).	District

Standard Construction Measures (CMs)	Responsible Party
CM-5 Construction (Compliance with State Health and Safety Code Section 7050.5): Should human remains be uncovered during construction, as specified by California Health and Safety Code, Section 7050.5, no further disturbance would occur until the County Coroner has made the necessary findings as to the origin and disposition pursuant to California Public Resources Code, Section 5097.98. If such a discovery occurs, excavation or construction would halt in the area of the discovery, the area would be protected, and consultation and treatment would occur as prescribed by law. If the County Coroner recognizes the remains to be Native American, he or she shall contact the Native American Heritage Commission, who shall appoint the Most Likely Descendant. Additionally, if the bones are determined to be Native American, a plan shall be developed regarding the treatment of human remains and associated burial objects, and the plan shall be implemented in coordination with the Most Likely Descendant.	District
CM-6 Construction (Compliance with City of San Diego Noise Ordinance): The contractor shall be required to comply with the City's noise ordinance criteria. Thus, the construction contractor shall work in a manner so that the 12-hour average sound level does not exceed 75 decibels (dB) at any residence and construction activity is only permitted between the hours of 7:00 a.m. and 7:00 p.m., Monday through Saturday. Construction is prohibited on Sundays or legal holidays. The Contractor shall include measures such as: • Locate noisy equipment as far as possible from the site boundaries and occupants of buildings • Erect temporary noise barriers around stationary equipment (i.e., compressors, generators, etc.) • Equip construction equipment, fixed or mobile, with properly operating and maintained muffler exhaust systems	District
CM-7: Equipment Emission Standards: To the extent feasible, diesel-powered equipment with more than 25 horsepower shall be equipped with engines that meet or exceed either United States Environmental Protection Agency (EPA) or California Air Resources Board (CARB) Tier 4 off-road emissions standards for particulate matter exhaust.	District
Standard Operating Procedures (SOPs)	**Responsible Party**
SOP-1 Security (Access): The joint-use facility shall be closed at night by the District during the week when school is in session. If school custodial staff are not available to lock and open the gates, PRD shall request operational funds to hire a security company to lock the fields in the evening and reopen the gates in the morning. All budget requests are subject to approval by the City Council and are not guaranteed year to year. The specific hours of use shall be determined with each school site and will be dependent on the school's schedule. This information shall be reflected in the joint-use agreement for each school site.	District/City
SOP-2 Operational Noise: The City shall work with the community if an issue regarding noise from the field is raised. During the City's normal hours of operation, City staff shall respond to complaints of excessive noise. The following procedures shall also be incorporated into the joint-use agreements between the District, the City, and/or groups using the fields (sports leagues, etc.). • The use of noise-generating equipment (permanent or temporary public address systems, bullhorns, air horns, etc.) at the fields shall be prohibited at all times. The only exception is for the use of whistles as needed by coaches, referees, or other game officials. • Use of the fields for any noise-generating activity shall be prohibited from dusk until dawn each day and shall not occur at any time before 7 a.m. or after 10 p.m. on any day. Signs to this effect will be prominently posted at each joint-use field site. • PRD staff shall work closely with user groups to ensure that their use of the fields does not negatively impact neighborhoods through excessive noise.	City

Standard Operating Procedures (SOPs)	Responsible Party
• If noise complaints are received regarding the joint-use fields, City staff shall respond during normal business hours, investigate the complaint as necessary, and undertake additional steps as needed to address the complaint. Additional steps may include, but are not limited to, the following. – Enforcing applicable conditions of any permits under which the subject activity is conducted. – Working with user groups to avoid problematic activities or behaviors. – Conducting noise measurements to confirm noise levels at sensitive receptors. – Revoking permits for user groups if they generate ongoing noise complaints that cannot be remedied.	
SOP-3 Water Use: Pursuant to the City's Municipal Code, Article 7, Division 38, §67.3804, PRD is exempt from watering time restrictions; however, it must comply with targeted water-use restrictions, including reductions of overall water use. Active recreational turf areas are currently irrigated three times per week. However, in the future, if watering restrictions increase, watering may decrease to comply with required conservation mandates. In addition, irrigation is permitted any day/time for the establishment, repair, and renovation of public use fields for schools and parks. PRD has conserved water during the current drought, and is applying new watering methodologies to irrigate responsibly within San Diego's various climate zones, and PRD is prioritizing water use on athletic fields such as joint-use areas.	City
SOP-4 Security (Trespassing): When a park patron or resident observes that a crime is being committed or a regulation is being violated in the joint-use area, they shall either call 911 if it is an emergency or (619) 531-2000 if it is not an emergency. The San Diego Police Department shall respond to these issues. Other issues related to permitting, unruly groups, and other matters that do not warrant police attention shall be referred to PRD. City staff shall field use, but there is no onsite staff; and other than maintenance staff, there will not be daily visits. PRD staff shall work closely with user groups to ensure their use of the fields does not negatively affect neighborhoods. PRD staff do not have the ability to issue citations or arrest individuals for criminal activity.	City
SOP-5 Dogs: The City's Municipal Code has no prohibition of leashed dogs on public property. The City shall place signage that reminds patrons that off-leash dogs are not permitted within the joint-use fields. The sign shall include a phone number to reach County of San Diego Animal Control for any out-of-control or leash-free dogs. Dog waste stations and trashcans shall be provided at the entrance to joint-use areas.	City

2.4 Construction Process and Timeline

Construction would involve demolition, site clearing, grading and excavation. Excavation would extend to depths of up to two feet below grade for building foundations and five feet beyond the footprint of the proposed new gymnasium building, and would require approximately 4.5-acres of excavation for the proposed joint-use field, extending to an approximate 18-inch depth**.** Construction would also include the installation of improvements and structural development and site cleanup. Construction is anticipated to begin in May of 2022 and would continue over approximately 24 months.

Construction is expected to occur between 7:00 a.m. and 7:00 p.m., Monday through Friday (sometimes Saturday), and would comply with the City of San Diego Municipal Code limits regarding construction activity (Municipal Code Section 59.5.0404). No exterior nighttime construction would occur. Interior nighttime construction may be required up to 7 p.m. Construction would overlap with active school hours. All construction and work areas would be clearly demarcated and student access would be prohibited, consistent with construction efforts on other District facilities. All construction equipment staging would be located on-site, in areas

that would not disturb existing school uses. During construction, materials and equipment may be visible from Clairemont Drive, Ute Drive, and Waco Street, however the District would screen these areas with construction fencing. Construction workers would park on the Project Site in specially designated areas. A temporary lane closure along Clairemont Drive may be required for the construction of the irrigation work associated with the joint-use area. However, the District will prepare and submit a traffic control plan for the City's review and approval and will also acquire traffic control and/or public right-of-way permits, as required, before doing any construction work in the public right of way.

2.5 Discretionary Approvals Required

2.5.1 Lead Agency

In conformance with CEQA Guidelines Sections 15050 and 15367, the District is the Lead Agency, which is defined as the "public agency, which has the principal responsibility for carrying out or approving a project." The City of San Diego is the only Responsible Agency as defined in CEQA Guidelines Section 15096, as the City Council's approval would be required to enter into a JUA with the District for the JUF. The California Division of State Architects (DSA) is a reviewing agency that reviews the project design for compliance with the California Code of Regulations, Title 24.

2.5.2 Permits and Other Approvals

Actions and approvals that may be required from other agencies for the Proposed Project include:

- DSA – General Construction Permit and compliance with California Code of Regulations Title 24
- San Diego Regional Water Quality Control Board– National Pollutant Discharge Elimination System (NPDES) and Stormwater Pollution Prevention Plan (SWPPP)
- City of San Diego – Approval of Joint Use Agreement;
- Approval of traffic control plan and/or public right-of-way permits, as required, for construction work in the public right of way

2.6 References

City of San Diego. 1989. Clairemont Mesa Community Plan. Amended 2011. Available at https://www.sandiego.gov/planning/community/profiles/clairemontmesa/plan.

City of San Diego. 2015. City of San Diego General Plan Land Use and Community Planning Element. Available at https://www.sandiego.gov/planning/genplan.

City of San Diego. 2018. San Diego Municipal Code, Chapter 13, Article 1, Division 4, Residential Base Zones. Available at http://docs.sandiego.gov/municode/MuniCodeChapter13/Ch13Art01Division04.pdf.

City of San Diego. 2019. San Diego Municipal Code, Chapter 14, Article 2, Division 5, Parking Regulations. Available at https://docs.sandiego.gov/municode/MuniCodeChapter14/Ch14Art02Division05.pdf.

Communion Church San Diego, 2019. Sundays (Webpage). Available at https://www.communionsd.com/gather/sunday-service#sunday-service-details.

District. 2020a. San Diego Unified School District Active Enrollment Numbers 2020-2021. November.

District. 2019. Marston Middle School Prime Time Hours. Available at https://www.sandiegounified.org/schools/marston/primetime-extended-day-program. Accessed September 6, 2019.

District. 2020b. Paul Garcia-Craivanu, personal communication, November 13, 2020

CHAPTER 3
Environmental Checklist

1.	**Project Title:**	Marston Middle School Whole Site Modernization and Joint Use Field Project
2.	**Lead Agency Name and Address:**	San Diego Unified School District Facilities Planning & Construction 4860 Ruffner Street San Diego, CA 92111
3.	**Contact Person and Phone Number:**	Paul Garcia-Craivanu, CEQA Environmental Coordinator, San Diego Unified School District (858) 637-6290
4.	**Project Location:**	Marston Middle School 3799 Clairemont Drive San Diego, CA 92117
5.	**Project Sponsor's Name and Address:**	San Diego Unified School District Facilities Planning & Construction 4860 Ruffner Street San Diego, CA 92111
6.	**General Plan Designation(s):**	Institutional & Public and Semi-Public Facilities
7.	**Zoning:**	RS-1-7, Residential – Single Unit
8.	**Description of Project:**	School improvements (see Chapter 2, Project Description)
9.	**Surrounding Land Uses and Setting:**	North: Single-family residential South: Recreational and Institutional East: Single-family residential West: Commercial and Institutional
10.	**Other public agencies whose approval is required:**	San Diego City Council (approval of Joint Use Agreement); Office of the Division of State Architect
11.	**Have California Native American tribes traditionally and culturally affiliated with the project area requested consultation pursuant to Public Resource Code Section 21080.3.1:**	Jamul Indian Village requested AB 52 consultation, and consultation was initiated by the District on October 25, 2018.

Environmental Factors Potentially Affected

The following checklist is used to evaluate the potential for significant environmental impacts caused by the Proposed Project. All responses must consider the project in its entirety and any actions involved (i.e., offsite as well as onsite impacts, cumulative as well as project-level impacts, indirect as well as direct impacts, and construction as well as operational impacts).

This checklist is adapted from the form provided in Appendix G of the State CEQA Guidelines (which was updated by the California Resource Agency in December 2018 for implementation in 2019). The checklist is modified as appropriate for this project. There are 21 CEQA subject categories to be considered, with this checklist organized as such. Each subject discussion includes an evaluation matrix, followed by a brief discussion explaining the evaluation rationale. As appropriate, each subject discussion may address more than one specific issue question if there is a salient interrelation.

The 21 CEQA subject categories—or environmental factors—that must be considered are presented below. Each category is scored according to the potential level of impact significance the Proposed Project may have on the environment. The levels of significance are indicated and described below.

3= Potentially Significant: There is substantial evidence than an effect is significant.

2= Less than Significant with Mitigation: Applies in situations where a "potentially significant" impact can be reduced to a "less than significant" level with the incorporation of adequate and feasible mitigation measure(s).

1 = Less than Significant: This is an effect that is discernible but would not cause a lasting significant impact.

0 = No Impact: This is an adequate determination if the referenced information sources show that the impact simply does not apply to projects like the one involved.

1	Aesthetics	0	Agriculture and Forestry Resources	1	Air Quality
1	Biological Resources	2	Cultural Resources	1	Energy
1	Geology/Soils	1	Greenhouse Gas Emissions	1	Hazards and Hazardous Materials
1	Hydrology/ Water Quality	0	Land Use/ Planning	0	Mineral Resources
2	Noise	1	Population/Housing	1	Public Services
1	Recreation	1	Transportation	2	Tribal Cultural Resources
1	Utilities and Service Systems	1	Wildfire	2	Mandatory Findings of Significance

DETERMINATION: (To be completed by the Lead Agency)

On the basis of this Initial Study:

☐ I find that the proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.

☒ I find that although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because revisions in the project have been made by or agreed to by the project proponent. A MITIGATED NEGATIVE DECLARATION will be prepared.

☐ I find that the proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.

☐ I find that the proposed project MAY have a "potentially significant impact" or "potentially significant unless mitigated" impact on the environment, but at least one effect 1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and 2) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An ENVIRONMENTAL IMPACT REPORT is required, but it must analyze only the effects that remain to be addressed.

☐ I find that although the proposed project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately in an earlier EIR or NEGATIVE DECLARATION pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier EIR or NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.

Signature	Date
Signature	Date

Environmental Checklist

Aesthetics

Issues (and Supporting Information Sources):		*Potentially Significant Impact*	*Less Than Significant with Mitigation Incorporated*	*Less Than Significant Impact*	*No Impact*
I.	**AESTHETICS —** Except as provided in Public Resources Code Section 21099, would the project:				
a)	Have a substantial adverse effect on a scenic vista?	☐	☐	☐	☒
b)	Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?	☐	☐	☐	☒
c)	In non-urbanized areas, substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from publicly accessible vantage point). If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?	☐	☐	☒	☐
d)	Create a new source of substantial light or glare which would adversely affect daytime or nighttime views in the area?	☐	☐	☒	☐

Discussion

a) **No Impact.** The Project Site is within an urbanized area on an existing school site. The surrounding land use is dominated by residential development consisting primarily of single-family homes, with commercial development to the west and recreational and institutional uses to the south. The Project Site does not feature scenic views or contain other scenic resources, such as mountains, bays, rivers, or the ocean. The Project Site is not identified as a designated scenic vista within the City of San Diego Clairemont Mesa Community Plan (City of San Diego 2011). Views along Waco Street would change due to the removal of the existing portable classrooms, construction of the proposed reconfigured parking lot, and construction of the single-story gymnasium building. Views along Ute Drive would change due to the reconfiguration of the general-use parking lot. Views along Clairemont Drive would not change due to the addition of the natural turf JUF in place of the existing DG playground, as the change would occur at the surface level and Clairemont Drive is topographically lower than the Project Site, which is screened by existing trees and vegetation. Construction of the Proposed Project would include the presence and use of heavy machinery including, but not limited to, large trucks, bulldozers, and a construction staging area. Construction activities associated with the Proposed Project are considered a temporary, short-term visual effect. Although implementation of the Proposed Project would modify the existing views of the school it would not have an adverse effect on a scenic vista. Therefore, no impacts would occur.

b) **No Impact.** Designated scenic highways within the County of San Diego include portions of SR-75, SR-163, SR-125, and SR-78, and eligible state scenic highways include I-5 and SR-52 (Caltrans 2018). The Project Site is more than eight miles from

SR-75, SR-125 and SR-78, and more than two miles from SR-52 and SR-163, and approximately 0.8 miles from I-5. While Marston Middle School qualifies as a historical resource pursuant to CEQA (as further detailed within Issue 5 below), the Proposed Project would not be visible from a designated scenic highway. Therefore, there are no potential impacts related to scenic resources along a state scenic highway, and no impacts would occur.

c) **Less-than-Significant Impact.** The Project Site is located in an urbanized (suburban) area within an existing school campus. The existing visual character surrounding the Project Site is that of a typical residential neighborhood, with single-family residences to the north and east of the Project Site, commercial uses to the west, and the South Clairemont Recreation Center to the south. The Project Site is currently developed as an operating school with single-story permanent and portable buildings, playground areas, racquetball courts, basketball courts, and three parking lots, visible at differing degrees from Clairemont Drive, Ute Drive, Waco Street, and the recreational uses to the south. Waco Street to the east (and adjacent residences) are topographically higher than the Project Site, while business to the west are level with the Project Site. Public views addressed in this analysis include those from Clairemont Drive, Ute Drive, Waco Street and the recreational uses to the south. Views from private residences adjacent to the Project Site, particularly those along Ute Drive and Waco Street are not protected under CEQA and therefore are not further discussed.

All of the Proposed Project improvements would occur entirely within the developed campus footprint and would be partially to fully visible, depending on location. On the northeast portion of the Project Site, the existing general use parking lot, which is a prominent visual element from Ute Drive and Waco Street, would be reconfigured to include a roundabout, student pick-up and drop-off lanes, and additional parking spaces. In addition, the proposed single-story gymnasium building would visible from Ute Drive, Waco Street and the southern recreational uses. The proposed JUF would not be visible from Clairemont Drive and the recreational uses to the south, as the change would occur at the surface level and Clairemont Drive is topographically lower than the Project Site, which is screened by existing trees and vegetation to the west and south. The design and scale of the modified parking lot, gymnasium building, JUF, and other modernization improvements would be consistent with the overall visual character of the school.

Overall, the visual character would be similar to the existing conditions, which is that of a school and school-related uses. Moreover, the Proposed Project would replace the existing aging school infrastructure with new improved structures, and therefore would aim to improve the visual quality of public views of the site. During construction, materials and equipment would be visible from Clairemont Drive, Ute Drive, Waco Street and the recreational uses to the south; however, construction would be temporary and would not substantially affect the existing visual character or visual quality. Therefore, impacts on the visual character or quality of public views of the site or surrounding area would be less than significant.

d) **Less-than-Significant Impact.** The Project Site is located adjacent to Clairemont Drive, Ute Drive, Waco Street, and the South Clairemont Recreation Center, which contain residential vehicles and streetlights of a suburban neighborhood scale that emit light and glare during the day and night. In addition, the campus includes existing interior and exterior security lighting. New interior and exterior lighting may be installed as part of the campus modernization but would be operated consistent with District Administrative Regulation (AR) 3511(a), which requires all interior and exterior lighting to be turned off when students and staff leave for the day, typically before 10 pm. Generally, all new and existing lighting would be operated consistent with existing use of the school. Further, the JUF does not include any new lighting, and new joint use areas would not be used after dark. Existing lighted joint use areas would continue to be used consistent with the existing JUA. No materials that have reflective surfaces that could result in glare would be included. The Proposed Project would not generate substantially more light and glare compared to existing conditions. Construction activities would only occur during permitted daytime hours, and no nighttime construction would take place. After completion of construction, no substantial changes to sources of light are expected to occur at the site and its surroundings as a result of implementation of the Proposed Project.

The proposed gymnasium building and exterior building modernization efforts would be constructed using stucco consistent with other materials on existing buildings, and would not constitute a substantial source of glare. Therefore, impacts associated with light and glare as they relate to daytime and/or nighttime views in the area would be less than significant.

References

California Department of Transportation (Caltrans). 2017. California Scenic Highway Mapping System: San Diego County. Available at http://www.dot.ca.gov/hq/LandArch/16_livability/scenic_highways/.

City of San Diego. 1989. Clairemont Mesa Community Plan. Amended 2011. Available at https://www.sandiego.gov/planning/community/profiles/clairemontmesa/plan.

City of San Diego. 2015. Final Addendum to Environmental Impact Report No. 104495, City of San Diego General Plan PEIR. Available at https://www.sandiego.gov/planning/genplan

City of San Diego. 2015. City of San Diego General Plan Land Use and Community Planning Element. Available at https://www.sandiego.gov/planning/genplan.

City of San Diego. 2018. San Diego Municipal Code, Chapter 13, Article 1, Division 4, Residential Base Zones. Available at http://docs.sandiego.gov/municode/MuniCodeChapter13/Ch13Art01Division04.pdf.

Agriculture and Forestry Resources

Issues (and Supporting Information Sources):	*Potentially Significant Impact*	*Less Than Significant with Mitigation Incorporated*	*Less Than Significant Impact*	*No Impact*
II. AGRICULTURE AND FORESTRY RESOURCES — In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997) prepared by the California Dept. of Conservation as an optional model to use in assessing impacts on agriculture and farmland. In determining whether impacts to forest resources, including timberland, are significant environmental effects, lead agencies may refer to information compiled by the California Department of Forestry and Fire Protection regarding the state's inventory of forest land, including the Forest and Range Assessment Project and the Forest Legacy Assessment project; and forest carbon measurement methodology provided in Forest Protocols adopted by the California Air Resources Board. Would the project:				
a) Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?	☐	☐	☐	☒
b) Conflict with existing zoning for agricultural use, or a Williamson Act contract?	☐	☐	☐	☒
c) Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))?	☐	☐	☐	☒
d) Result in the loss of forest land or conversion of forest land to non-forest use?	☐	☐	☐	☒
e) Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use?	☐	☐	☐	☒

Discussion

a) **No Impact.** The Project Site is in an urbanized area on an existing school site. According to the California Department of Conservation's San Diego County Important Farmland map, the Project Site is classified as "Urban and Built-Up Land," which does not contain any agricultural uses or areas designated as Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (California Department of Conservation 2016). Therefore, the Proposed Project would not convert farmland to a non-agricultural use and no impact would occur.

b) **No Impact.** As mentioned above in Issue 2 (a), the Project Site is fully developed in an urbanized area and does not contain any agricultural land (California Department of Conservation 2016). The Project Site is zoned as RS-1-7, which does not permit agricultural uses beyond limited community gardens (City of San Diego 2017). There are no Williamson Act contracts in the project vicinity (California Department of Conservation 2013). Therefore, the Proposed Project would not conflict with existing zoning for agricultural use or a Williamson Act contract and no impact would occur.

c) **No Impact.** As mentioned above in Issue 2 (a) and (b), the Project Site is in an urbanized area on an existing school site. The Proposed Project Site is zoned as RS-1-7, which does not include forest lands, timberlands, or timberland zoned Timberland Production (City of San Diego 2017). Therefore, the Proposed Project would not conflict with existing zoning for forest land and no impact would occur.

d) **No Impact.** As mentioned above in Issue 2 (c), the Project Site is fully developed and, according to the City of San Diego General Plan and Municipal Code, is not designated as forest land (City of San Diego 2015, City of San Diego 2017). Therefore, the Proposed Project would not result in the loss of forest land or conversion of forest land to non-forest use; therefore, no impact would occur.

e) **No Impact.** As mentioned above, construction and operation of the Proposed Project would have no impact on agriculture or forest resources. Additionally, there would be no need for land acquisitions to implement the Proposed Project. No other changes in the existing environment, which, due to their location and nature, would result in the conversion of farmland to non-agricultural use or conversion of forest land to non-forest use under the Proposed Project. Therefore, there would be no impact.

References

California Department of Conservation. 2016. San Diego County Important Farmland 2014. Available at ftp://ftp.consrv.ca.gov/pub/dlrp/FMMP/pdf/2014/sdg14_w.pdf.

California Department of Conservation. 2013. San Diego County Williamson Act 2013/2014. Available at ftp://ftp.consrv.ca.gov/pub/dlrp/wa/San_Diego_w_13_14_WA.pdf.

City of San Diego. 2015. City of San Diego General Plan, Land Use and Community Planning Element. Available at https://www.sandiego.gov/sites/default/files/lu_2015.pdf.

City of San Diego. 2017. City of San Diego Municipal Code. Available at http://docs.sandiego.gov/municode/MuniCodeChapter13/Ch13Art01Division04.pdf.

Air Quality

Issues (and Supporting Information Sources):	*Potentially Significant Impact*	*Less Than Significant with Mitigation Incorporated*	*Less Than Significant Impact*	*No Impact*
III. AIR QUALITY — Where available, the significance criteria established by the applicable air quality management district or air pollution control district may be relied upon to make the following determinations. Would the project:				
a) Conflict with or obstruct implementation of the applicable air quality plan?	☐	☐	☐	☒
b) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard?	☐	☐	☒	☐
c) Expose sensitive receptors to substantial pollutant concentrations?	☐	☐	☒	☐
d) Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?	☐	☐	☒	☐

Discussion

a) **No Impact.** The Project Site is located in the San Diego Air Basin (SDAB), within the jurisdiction of the San Diego Air Pollution Control District (SDAPCD). Pursuant to the federal and State Clean Air Acts, SDAPCD is required to reduce emissions of criteria air pollutants currently designated as nonattainment of federal and State ambient air quality standards in the SDAB. The federal and state Clean Air Acts also mandates that each state submit and implement a State Implementation Plan (SIP) for each criteria pollutant for which the state has not achieved the applicable NAAQS. The SIP includes pollution control measures that demonstrate how the standards for those pollutants will be met. The 1990 amendments to the Clean Air Act identify specific emission reduction goals for areas not meeting the NAAQS. These amendments require both a demonstration of reasonable further progress toward attainment and incorporation of additional sanctions for failure to attain or to meet interim milestones. The California Air Resources Board (CARB) has primary responsibility for the development of California's SIP, for which it works closely with the federal government and the local air districts, such as the SDAPCD. The SIP is required for the State to take over implementation of the CAA from the USEPA.

The SDAB is currently designated as a federal nonattainment area for the 2008 8-hour ozone (O_3) standard. In addition, the SDAB is classified as a nonattainment area for the California standards for O_3, particulate matter less than 2.5 microns ($PM_{2.5}$), and particulate matter less than 10 microns (PM_{10}). The SDAB is currently classified as a federal attainment/maintenance area for both the federal 1997 8-hour O_3 standard and the federal carbon monoxide (CO) standard (USEPA 2019, CARB 2018).

Areas designated as nonattainment of a criteria air pollutant are required to prepare plans showing how the area would meet the state and federal air quality standards by its attainment dates. The San Diego Regional Air Quality Strategy (RAQS) is included in the

SIP as the region's applicable air quality plan for improving air quality in the SDAB and attaining federal and State air quality standards. The RAQS relies on information from CARB and the San Diego Association of Governments (SANDAG), including projected growth in the County, which is based in part on local general plans. Generally, projects that propose development that are is consistent with the land use designations and growth anticipated by the local general plan and by SANDAG would be consistent with the RAQS. Therefore, the Proposed Project would need to be consistent with the air quality standards outlined in the RAQS.

The Project would repair, renovate, and revitalize the existing Marston Middle School including interior and exterior modernization improvements to existing buildings, and construction of a new gymnasium and JUF. The Proposed Project would continue to operate as a school and would not result in a change in existing land uses. The Project would not increase the school's current number of students, student capacity, or staff. Because the Proposed Project would not increase capacity of the school, and because the project site is an existing JUA, new vehicle trips to the Project Site related to the proposed JUF are anticipated to be similar to existing conditions. Any new trips would occur outside of normal school operating hours, therefore, these trips would not increase vehicle trips to and from the Project Site during normal school operating hours, and the increase in daily operational vehicle emissions would be minimal (as analyzed in Issue 3 (b) below). As shown under (b) of Issue 3 below, emissions from Project construction activities would be less than SDAPCD thresholds. Project construction would comply with SDAPCD Rules and Regulations, including Rules 50, 51, and 55, which forbid visible emissions, nuisance activities, and require fugitive dust control measures, respectively. As such, the Proposed Project would not conflict with or obstruct the implementation of the San Diego RAQS and there would be no impact.

b) **Less-than-Significant Impact.** Project construction and operation would generate air pollutant emissions that potentially could violate regional air quality standards, or potentially contribute to an existing or projected air quality violation. Project construction and operational emissions were evaluated in order to determine whether there would be a cumulatively considerable net increase of a criteria pollutants for which the Project region is in nonattainment. The Project region, the SDAB, is currently designated as a federal nonattainment area for the federal 2008 8-hour O_3 standard, and as a state nonattainment area for the California standards for O_3, $PM_{2.5}$, and PM_{10}.

Project construction activities would generate diesel exhaust and fugitive dust from the operation of heavy equipment. Project construction emissions would vary from day-to-day over the approximately 24-month construction duration, depending on the specific type and level of construction activity, and, for fugitive dust, the prevailing weather conditions. Project construction activities generating air pollutant emissions would include demolition of playground pavement and portable classrooms; site preparation; grading; excavation for the new gymnasium and JUF; construction of the new gymnasium and JUF; paving, reconfiguration, and expansion of the pick-up/drop-off and parking area (additional 51 parking spaces) and accessible path of travel; landscaping;

finishing activities; and exterior modernization improvements. The proposed construction activities could potentially occur simultaneously (worst-case). However, project construction activities would be relatively short-term, spread-out over a 24-month construction period, and are not anticipated to involve substantial work during a single day (i.e., the worst-case day for air emissions in pounds per day).

During construction, emissions would result from fugitive dust from ground disturbance; construction vehicle exhaust; and exhaust and road dust emissions from worker commute trips, material deliveries, and haul truck travel. Emissions would vary from day to day, depending on the level of activity, the specific type of construction activity occurring, and, for fugitive dust, prevailing weather conditions.

Construction-related emissions were quantified for projects similar to the Proposed Project, the *Franklin Elementary School Whole Site Modernization, Initial Study/Mitigated Negative Declaration* (ESA 2019), using the California Emissions Estimator Model (CalEEMod), version 2016.3.2 for off-road emissions (construction equipment) and 2017 Emission Factors model (EMFAC2017) for on-road emissions (haul trucks, vendor trips and worker trips); and the *Cubberley and Encanto Elementary Schools Joint Use Fields Project, Final Mitigated Negative Declaration* (ICF 2018), using CalEEMod, version 2013.2.2.1 The assumptions and methodology used in these prior analyses are the same that would be used for the Proposed Project. As such, re-running CalEEMod for Proposed Project would result in similar emissions, which would still be substantially less than the thresholds. Therefore, the use of the previous emissions modeling output is appropriate for the Proposed Project.

The maximum daily emissions estimated from project construction are shown in **Table 2**. Calculations are included in Appendix A.

As shown in Table 2, the maximum daily construction emissions would be below the applicable threshold levels. In addition, the Proposed Project is required to comply with SDAPCD's Rules and Regulations, including Rules 50, 51, and 55, as described above in Issue 3 (a) to further reduce the construction emissions shown in Table 2. Therefore, air quality impacts associated with construction of the Proposed Project would be less than significant.

[1] CalEEMod version 2016.3.2 has since been issued, with some corrected assumptions; e.g., underestimation of heavy-heavy duty trucks idling exhaust emissions factors). However, the emissions modeled with version 2013.2.2 were substantially less than the SDAPCD thresholds, as shown in Table 2. Also, CalEEMod annual emissions factors for operations (i.e., traffic) improve slightly with each following year.

TABLE 2
MAXIMUM DAILY UNMITIGATED REGIONAL CONSTRUCTION EMISSIONS

	Estimated Emissions (lbs./day)[a]					
Source	**VOC [c]**	**NOx**	**CO**	**SO_2**	**PM10**	**PM2.5**
Maximum Daily Emissions by Project [b]						
Whole Site Modernization	44	29	31	<1	2	1
Joint Use Field	7	76	49	<1	5	3
Maximum Daily Regional Construction Emissions	**51**	**105**	**80**	**<1**	**7**	**4**
SDAPCD Thresholds of Significance	75	250	550	250	100	55
Exceeds Thresholds?	No	No	No	No	No	No

[a] Totals may not add up exactly due to rounding in modeling calculations. Detailed emissions calculations are provided in Appendix A.

[b] Site modernization and joint-use field construction would occur throughout the 24-month construction period, therefore, emissions from site modernization would potentially occur at the same time as the joint-use field construction activities occurring onsite. As there is not a detailed construction schedule available for the Project, there is the potential for other subphases to occur at the same time. There is the potential for grading to occur on one portion of the site while demolition is finishing on another. There is the potential for building construction, architectural coating of buildings, and paving to all occur at the same time and to overlap with site modernization activities. Therefore, the Maximum Emissions by Project Phase represents these worst-case scenarios.

[c] Nitrogen oxides (NOx) and volatile organic compounds (VOC) emissions (e.g., vehicle tailpipe emissions) are O3 precursors, as O3 is not directly emitted, but rather formed by the combination of NOx and VOC in the atmosphere in the presence of sunlight.

SOURCE: ESA 2019.

Operation of the Project's modernization improvements would generate long-term regional emissions of criteria air pollutants and ozone precursors associated with building operations, as well as, area sources related to the applications of architectural coatings (i.e., periodic repainting) and consumer products (i.e., cleaning products). The Proposed Project would not result in an increase in students, student capacity, or staff, and therefore, there would be no change in the number of daily vehicle trips associated with operation of the school when in session, except when a JUF event occurs on a day when school is in session, and would result in a minimal increase in daily trips. Project operation of the JUF would result in emissions from vehicle trips to and from the Project site by field users, as well as, from regular maintenance and landscaping. No new field lighting would be installed, and thus, no new electricity-related emissions would occur associated with that lighting.

Operational emissions for the JUF were estimated using CalEEMod defaults for water use for a "City Park" based on the proposed field size and vehicle trip generation rates. Additionally, the field would be natural turf (grass) that would require regular maintenance beyond the traditional "landscaping" calculated in CalEEMod, which is based solely on building square footage or the number of dwelling units and does not accurately represent parks that have little to no building square footage. Therefore, operational off-road equipment ("other general industrial") was added to the analysis, assuming that mowing for each site takes place for four hours every other week. Daily emissions associated with the operations of the Proposed Project were compared to the relevant thresholds. Operations-related emissions (area, energy sources, and mobile) were

modeled for the projects similar to the Proposed Project, as detailed above, using the same model runs as for construction, and compared to applicable SDAPCD thresholds for criteria pollutants, as shown in **Table 3**.

TABLE 3
MAXIMUM DAILY REGIONAL OPERATIONAL EMISSIONS

	Estimated Emissions (lbs./day)[a]					
Emissions Source	**VOC**	**NOx**	**CO**	**SO_2**	**PM10**	**PM 2.5**
Existing[b]						
Area Sources	1	0	0	0	0	0
Energy	<1	<1	<1	0	0	0
Total Existing Emissions	1	<1	<1	0	0	0
Project[c]						
Area Sources	1	0	0	0	0	0
Energy	<1	<1	<1	0	0	0
Joint Use Field	4	4	8	<1	1	<1
Total Net Emissions[d]	**5**	**4**	**8**	**<1**	**1**	**<1**
SDAPCD Significance Threshold	*75*	*250*	*550*	*250*	*100*	*55*
Exceed SDAPCD Threshold?	No	No	No	No	No	No

[a] Detailed emissions calculations are provided in Appendix A.

[b] Existing emissions are emissions from sources to be removed (portable classrooms) and current emissions from buildings to be modernized.

[c] Project emissions are emissions from new sources associated with the project (i.e. new buildings and joint-use field) and emissions from the modernization of buildings.

[d] Net emissions are the project emissions minus the existing emissions.

SOURCE: ESA 2019, ICF 2018.

As shown in Table 3, to determine the total net emissions of the projects similar to the Proposed Project, the total existing emissions from the existing sources to be removed (i.e. portable buildings) was subtracted from the total Project emissions from the new sources (i.e. new buildings [area sources and energy emissions]), modernized existing buildings, and the new JUF.

As shown in Table 3, the operational emissions of the projects similar to the Proposed Project would be well below the applicable threshold levels. Therefore, operational impacts associated with the Proposed Project would also be well below the applicable threshold levels, and less than significant.

Project construction and operational activities could potentially result in a cumulatively considerable net increase of criteria pollutants in a nonattainment region. The Project Site is within the SDAB, which is classified as a nonattainment area for certain federal and state-designated criteria pollutants, including O_3, PM_{10}, and $PM_{2.5}$. As shown in Tables 2 and 3, construction and operation emissions of O_3 precursors of VOC and NOx, PM_{10}, and $PM_{2.5}$ of the projects similar to the Proposed Project, and therefore, the Proposed Project would not exceed SDAPCD standards. Also, construction emissions would be temporary and localized, and the Proposed Project would comply with all required SDAPCD emissions

and fugitive dust measures, which would ensure that the cumulative contribution of criteria pollutants during Project construction would be less than significant.

For public health risk from criteria air pollutants, the maximum daily construction and operational emissions for the criteria pollutants, presented in Tables 2 and 3, respectively, would be below SDAPCD significance thresholds, which were developed such that emissions in the air basin can meet or will maintain compliance with the State and federal ambient air quality standards. The standards were established at levels that provide public health protection and allow an adequate margin of safety, including protecting the health of sensitive populations, such as asthmatics, children, and the elderly. As Project-related construction and operational emissions would not exceed any regulatory thresholds, off-site receptors would not be exposed emission levels in excess of the health-based ambient air quality standards. As such, construction and operation activities related to the implementation of the Proposed Project would not contribute to health effects related to these pollutants, and impacts would be less than significant.

c) **Less-than-Significant Impact.** Project construction emissions could potentially expose sensitive air quality receptors to substantial pollutant concentrations. Sensitive air quality receptors are facilities and structures where people, particularly, children, the elderly, and those with respiratory illnesses (e.g., asthma), live or spend considerable amounts of time, such as retirement homes, residences, schools, playgrounds, childcare centers, and athletic facilities. Sensitive receptors located in proximity to the Project Site include the school facilities currently operating on the Project Site, when classes are in session; the church, which holds services in the campus auditorium during weekends; a recreational center located adjacent to the Project Site; and single-family residences located across the streets surrounding the Project Site, which are Ute Drive to the north, Waco Street to the east, and Clairemont Drive to the west (across from the southwest corner of the Project Site).

Project construction activities would occur on the Project Site over approximately 24 months. For potential health risks, the construction duration is significantly lower than the 30-year exposure period typically associated with chronic cancer health risks. However, due to the revision in health risk methodology and the increased risk to young children, the Office of Environmental Health Hazards Association (OEHHA), recommends a health risk assessment (HRA) be conducted for any activities lasting more than two months or disturbing more than one acre (OEHHA 2015). Accordingly, a quantitative construction HRA that was previously conducted for the projects similar to the Proposed Project (ESA 2019 and ICF 2018) were used to determine the potential health risk to onsite (school and church uses) and offsite (residential and recreational center) receptors from exposure to diesel particulate

matter (DPM) in the exhaust from the construction equipment operation.[2] Construction of the JUF would be intermittent and short in duration (approximately six months), and exposure would be intermittent and infrequent. Accordingly, construction of the proposed JUF would not result in elevated exposure risks to sensitive receptors and impacts would be less than significant.

Table 4 summarizes the carcinogenic and non-carcinogenic risk for the maximum impacted sensitive residential and onsite school receptors without and with the incorporation of Construction Measure CM-7 as detailed in Chapter 2, Project Description, Table 1. Detailed assumptions and methodology are included in Appendix A.

TABLE 4
INCREMENTAL INCREASE IN CARCINOGENIC RISK AND HAZARDOUS INDEX

Sensitive Receptor	Maximum Cancer Risk (# in one million) [a]	Chronic Risk Hazard Index (HI)[b]
Risk		
Residential	53.76	0.49
School	11.31	0.51
Maximum Individual Cancer Risk Threshold[c]	1	1
Exceeds Threshold?	**Yes**	No
Risk with CM-7 Implementation		
Residential	6.58	0.05
School	1.47	0.06
Maximum Individual Cancer Risk Threshold[c]	10	1
Exceeds Threshold?	No	No

[a] Cancer risk values based on a 30-year exposure of maximum levels of DPM. Residential construction risk was calculated assuming a child was born at the beginning of the project construction and be exposed throughout project construction. School related construction risk assumes the school is closed during the summer (approximately 3-month period) and that the same children are present throughout the entire construction period when school is in session (approximately 9-month period).

[b] Chronic risk HI values based on the annual maximum levels of DPM divided by the corresponding DPM reference exposure levels (RELs).

[c] See text below for explanation of thresholds

See Appendix A for additional details and modeling data.

SOURCE: ESA, 2019.

As shown in Table 4, the chronic health risk hazard index (HI) during construction for the project similar to the Proposed Project is estimated at 0.49 for residences and 0.51 for students, which is below the significance threshold of a chronic risk HI of greater than 1. However, the maximum incremental increase in cancer risk would be approximately 54-in-one-million for residences and 11-in-one-million for students, which would exceed the

[2] The Project Site is adjacent to a recreational center and associated park, which would be seen as a sensitive receptor. However, because there are residential uses closer to the construction activities than the recreational center, and the analysis for residential receptors is more conservative than that for park uses (i.e. residential receptors are assumed to be exposed for the full duration of the construction activities where people using the park would only be exposed for an hour or two, one or two times per week), the park itself was not included in the modeling.

SDAPCD significance threshold of 1-in-one-million without the incorporation of toxics best available control technologies (T-BACTs), and therefore, would have a potentially significant carcinogenic health risk. However, with the incorporation of CM-7 (the incorporation of toxics best available control technologies (T-BACTs)), carcinogenic risk would be reduced to 6.58 for residents and 1.47 for students, which is below the 10-in-one-million regulatory threshold for projects that have incorporated T-BACTs.[3, 4] With the implementation of CM-7 health risk impacts from Project construction activities would be less than significant.

Once the Proposed Project is operational, toxic air contaminant emissions would not increase over existing conditions. As the operation of the Project does not change land uses, there would be no new significant sources of toxic air contaminants. Therefore, emissions would be minimal, and compliance with all SDAPCD rules would ensure that nearby sensitive receptors would not be exposed to substantial pollutant concentrations.

The implementation of the Proposed Project would not increase the school's current number of students, student capacity, or staff, and therefore, would not result in an increase in the school's traffic contribution to peak hour traffic at local intersections and associated localized CO concentrations at intersections. As discussed above, the trips generated during a JUF event would be minimal, and if occurring during the peak hour, would not increase traffic and associated localized CO concentrations at intersections resulting in a CO hotspot. Therefore, impacts would be less than significant.

d) **Less–than-Significant Impact.** Project-related odor emissions would be minimal and would not affect a substantial number of people. During construction activities, emissions from construction equipment may be evident in the immediate area on a temporary basis. Potential sources that may emit odors during construction activities include any architectural coating and asphalt paving. Additionally, material deliveries and hauling heavy-duty truck trips could create an occasional "whiff" of diesel exhaust for nearby receptors. These odors would not affect a substantial number of people because the scale of construction would be small. Standard operation of the school and the JUF would not produce objectionable odors, and there would be no permanent impacts. Therefore, the Proposed Project would not result in other emissions (such as those leading to odors) adversely affecting a substantial number of people, and impacts would be less than significant.

3 CM-7 is considered T-BACTs for this project.

4 SDAPCD Rule 1210 implements the public notification and risk reduction requirements of State law, and requires facilities with high potential health risk levels to reduce health risks below significant risk levels. Rule 1200 requires that projects that propose to increase cancer risk to between 1 and 10 in one million need to implement T-BACT or impose the most effective emission limitation, emission control device or control technique to reduce the cancer risk. At no time shall a project increase the cancer risk to over 10 in one million or a health hazard index (chronic and acute) greater than one. Projects creating cancer risks less than one in one million are not required to implement T-BACT technology.

References

California Air Resources Board (CARB). 2018. *Area Designations Maps/State and National*. Available: https://www.arb.ca.gov/desig/adm/adm.htm. Accessed March, 2019.

Office of Environmental Health Hazard Assessment (OEHHA). 2015. Air Toxics Hot Spots Program Risk Assessment Guidelines - Guidance Manual for Preparation of Health Risk Assessments, February 2015. Available online at: https://oehha.ca.gov/media/downloads/crnr/2015guidancemanual.pdf.

ICF. 2018. Cubberley and Encanto Elementary Schools Joint-Use Fields Project, Final Mitigated Negative Declaration. Available at https://www.sandiegounified.org/sites/default/files_link/district/files/dept/facilities_bond_program/Cubberly_Encanto_Final_IS_MND_Feb2018.pdf

U.S. Environmental Protection Agency (USEPA). 2019. *Criteria Pollutant Nonattainment Summary Report.* Available: https://www3.epa.gov/airquality/greenbook/ancl3.html Accessed March 2019.

Biological Resources

Issues (and Supporting Information Sources):	*Potentially Significant Impact*	*Less Than Significant with Mitigation Incorporated*	*Less Than Significant Impact*	*No Impact*
IV. BIOLOGICAL RESOURCES — Would the project:				
a) Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special-status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?	☐	☐	☒	☐
b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?	☐	☐	☒	☐
c) Have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?	☐	☐	☐	☒
d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?	☐	☐	☐	☒
e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	☐	☐	☐	☒
f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?	☐	☐	☐	☒

Discussion

a) **Less-than-Significant Impact.** The Project Site is developed as an operating middle school and is either paved or graded and actively used. Ornamental landscaping is present on the Project Site, including along the periphery of the Project Site along Clairemont Drive, Ute Drive, and Waco Street; in courtyards between classrooms; and between the upper asphalt/DG playgrounds and lower asphalt/DG playground. Implementation of the Proposed Project would include the removal of nine ornamental trees to allow for the construction of the proposed reconfigured parking lot, as described in the project description. As part of the Project, additional drought tolerant trees and landscaping would be added throughout the site as necessary.

Ornamental vegetation including trees occurring on site provide suitable nesting habitat for migratory birds and raptors protected under the Federal Migratory Bird Treaty Act (MBTA) and the California Fish and Game Code, which prohibit the take or destruction of migratory birds/raptors, their nests, and/or eggs. Construction is anticipated to commence in May 2022 and take approximately 24 months. Therefore, construction is expected to overlap the avian breeding season (generally January 15 through August 31) and could result in direct and indirect impacts to nesting raptors

and migratory birds. However, standard operating procedures followed by the District include adherence to all existing laws and regulations pertaining to a project, including compliance with the MBTA. If construction occurs between January 15 through August 31, the Proposed Project would implement Construction Measure CM-3 (as detailed in Table 1) which requires a preconstruction survey by a qualified biologist to determine if nests are observed. If nests are observed, an appropriate buffer in compliance with the MBTA would be established. As project implementation would include compliance with the MBTA, impacts would be less than significant.

b) **Less than Significant Impact.** The Project Site is developed as an operating middle school and all areas on campus are either landscaped, paved, or graded; there is no riparian habitat on the Project Site. Undeveloped canyons that are part of the larger Tecolote Canyon system are situated east of the Project Site. The Tecolote Canyon system is located east of the houses adjacent to the Project Site, approximately 600 feet from the eastern boundary of the Project Site. While there is native vegetation in proximity to the Project Site, residences along Cowley Way, Tomahawk Lane and Waco Street are situated between the Project Site and native vegetation communities. Additionally, all Project-related activities would occur within the limits of the Project Site except for the tie-in to the existing City water main on Clairemont Dr., which is within an urban area within an existing public right of way, and not within potentially sensitive natural communities. Therefore, implementation of the Proposed Project would result in less than significant impacts to riparian habitat or other sensitive natural communities and habitats.

c) **No Impact.** No state or federally protected wetlands are present within or adjacent to the Project Site (Fish and Wildlife Service 2019). The Proposed Project would occur within the limits of the Project Site except for the tie-in to the existing City water main on Clairemont Dr., which is within an urban area within an existing public right of way. Therefore, the Proposed Project would not affect any state or federally protected wetlands either directly or indirectly, and no impact would occur.

d) **No Impact.** The Project Site is located in an urban and developed area surrounded primarily by residential development. The Project Site is completely developed as an operating school and is either paved or graded and actively used. The Project Site and surrounding area do not contain any streams or bodies of water that may be inhabited by any native resident or migratory fish species. Because the Proposed Project would occur on an existing developed school campus, the Project Site is not considered a migratory wildlife corridor. Therefore, the Proposed Project would not result in the interference of the movement of any native or migratory species, wildlife corridors, or the use of native wildlife nursery sites. Thus, no impact would occur.

e) **No Impact.** The Proposed Project would be in compliance with the City's General Plan, Municipal Code, and Clairemont Mesa Community Plan which have policies that protect biological resources; however, there are no local policies or ordinances

specific to the protection of trees. Therefore, the Proposed Project would not conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance. Thus, no impact would occur.

f) **No Impact.** The Project Site is fully developed in an urban area. In the City of San Diego, local habitat, species, and biological resources are protected under the City's Multiple Species Conservation Program (MSCP) Subarea Plan. The City's Multi-Habitat Planning Area (MHPA) is the area within the City from which the permanent MSCP preserve will be assembled and managed for its biological resources. While the nearest MHPA includes the undeveloped canyons east of the Project Site, the Project Site itself is located outside of the MHPA boundaries (City of San Diego 2008). Therefore, the Proposed Project would not conflict with applicable conservation plans, and no impact would occur.

References

City of San Diego, 2008. City of San Diego General Plan, Conservation Element. Available at https://www.sandiego.gov/sites/default/files/legacy//planning/genplan/pdf/2012/ce120100.pdf

County of San Diego. 1998. Final Multiple Species Conservation Program. Available at http://www.sandiegocounty.gov/content/dam/sdc/pds/mscp/docs/SCMSCP/FinalMSCPProgramPlan.pdf.

Fish and Wildlife Service. 2019. National Wetlands Inventory. Available at https://www.fws.gov/wetlands/data/mapper.html.

Cultural Resources

Issues (and Supporting Information Sources):		*Potentially Significant Impact*	*Less Than Significant with Mitigation Incorporated*	*Less Than Significant Impact*	*No Impact*
V.	**CULTURAL RESOURCES —** Would the project:				
a)	Cause a substantial adverse change in the significance of a historical resource pursuant to §15064.5?	☐	☒	☐	☐
b)	Cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5?	☐	☐	☒	☐
c)	Disturb any human remains, including those interred outside of formal cemeteries?	☐	☐	☒	☐

Discussion

The information in this section is based on a records search conducted at the South Coastal Information Center (SCIC) and the *Marston Middle School Whole Site Modernization Project Historic Resources Assessment*, located in Appendix B.

a) **Less-Than-Significant Impact with Mitigation Incorporated.** The Project includes excavations of an average of two feet deep for building foundations and approximately 18-inches deep for the proposed JUF. According to the preliminary geotechnical investigation (Appendix D), artificial fill ranges in thickness up to approximately three feet below grade, with all borings going through approximately one foot of disturbed surficial soils (MTGL, Inc. 2002). Therefore, the Proposed Project could exceed the approximate depth of artificial fill underlying the Project Site. In the unlikely event that archaeological resources are encountered (the SCIC records search identified no archaeological resources and one structure determined to be ineligible as a historic resource within 0.5 mile of the Project Site) they may qualify as historical resources pursuant to CEQA. With the incorporation of Construction Measure CM-4, which includes procedures for previously unknown and undiscovered archaeological resources that are uncovered during ground-disturbing activities, potential impacts to archaeological resources that qualify as historical resources would be reduced to a less than significant level.

   As detailed in Appendix B, Marston Middle School was evaluated with regard to eligibility for listing in the National Register of Historic Places (National Register) and the California Register of Historical Resources (California Register) as potential individual resources as well as a potential historic district.

   As a result of ESA's research and survey investigations, Marston Middle School campus, including seven original structures and the identified character-defining landscaped features, is recommended eligible as a historic district for its historical significance and architectural merit under both National Register Criteria A and C at the state and local levels of significance, and the California Register under Criteria 1 and 3. Historically, Marston Middle School is associated with the construction of residential suburbs in the

Clairemont neighborhood, which paralleled an important growth pattern for the city. The accelerated postwar growth pattern being experienced throughout San Diego during this time was prominent in the developing Clairemont neighborhoods in the early to late 1950s. Architecturally, Marston Middle School is eligible as a unique example of a post-war Mid-Century Style school, with designs that were considered innovative for the era for their economy, utility, and beauty. In addition, the Auditorium Building 400 also appears eligible for the National Register at the state and local levels and California Register as an individual resource under Criteria A/1 and C/3 for its importance to the Clairemont community, and as a representative example of the Mid-Century architectural style as applied to a junior high/middle school auditorium. Therefore, the Project Site qualifies as a historical resource pursuant to CEQA.

The modifications to the historic resource would include the repair, replacement and modernization of facilities at the campus and associated campus landscape features. The Proposed Project would involve site safety and security upgrades, right-size campus modifications, code compliance, modernization, and site work. Code compliance efforts would include ADA upgrades to create code-compliant restrooms and paths of travel throughout the campus. The modernization efforts as part of the Proposed Project would involve the interior modernization of the Administration Building 100, Classroom Building 100a, Classroom and Shop Building 100b, Library and Classroom Building 200, and Auditorium Building 400. Interior modifications would involve the removal and replacement of flooring, casework, ceilings, and interior finish upgrades. Additional right-size campus modifications would involve the construction of a new gym building in the east part of campus. In the northeast corner of the site, the non-original portables would be demolished to make way for a new parking and drop-off area to include a total of 96 stalls, accessible from Ute Drive, using existing driveways. Site work would also include the demolition of the existing paved playground area and replacement with a new artificial landscaped JUF and related amenities.

While the detailed design for the exterior modifications, interior modifications, new gymnasium building, and site work have not yet been established, if it is carefully and deliberately designed to be compatible with the remaining historic district, and if the remaining buildings are to receive rehabilitation treatments to retain their character-defining features both at the interior and exterior according to the mitigation measures, the Project would conform to the Secretary of Interior Standards for Rehabilitation. The Administration Building 100, Classroom Building 100a, Classroom and Shop Building 100b, Classroom Building 300, Auditorium Building 400, Cafeteria, and the Locker and Fitness Building 600, if retained relatively intact, would still collectively retain sufficient historic significance to convey their association for eligibility as a historic district.

Therefore, after implementation of **Mitigation Measures CUL-1 through CUL-3**, the Proposed Project would have no adverse impact on historic resources because the eligibility of the historic resource as a district would be retained after Project completion.

Mitigation Measures:

CUL-1: Plan Review. The District shall retain a qualified preservation consultant, meeting the Secretary of the Interior's Professional Qualifications Standards for History, Architectural History, or Architecture, pursuant to 36 CFR 61 and who has at least 10 years of experience in design review and collaboration applying the Standards (Qualified Preservation Professional) to review the final plans for all new proposed construction to ensure conformance with the Secretary of the Interior's Standards for Rehabilitation (Standards) for the remaining portions of the historic district. The Qualified Preservation Professional shall address the compatibility of the new construction with adjacent historical resources in relation to Standards 9 and 10 (related and adjacent new construction).

The Qualified Preservation Professional shall prepare a Secretary of the Interior's Standards Preservation and Plan Review Report, documenting conformance with the Standards for the remaining portions of the historic district. The Qualified Preservation Professional shall submit a draft report to the District within 30 days of completion of the draft design plans and shall make any recommendations necessary to bring the design into conformance with the Standards. The Qualified Preservation Professional shall review the final design plans and prepare a final report documenting conformance with the Standards, which shall be submitted to the District no less than 30 days prior to the commencement of construction. The final plan review shall be submitted to the District along with the final plan set prior to project approval.

CUL-2: Historic American Building Survey. If the Secretary of the Interior's Standards Preservation and Plan Review Report determines that the design is not in conformance with the Standards, prior to the issuance of a construction notice to proceed for the subject property, a recordation document shall be prepared in accordance with Historic American Buildings Survey (HABS) Level III requirements for the eligible buildings within the identified historic district. The recordation document shall be prepared by a qualified architectural historian or historic preservation professional who satisfies the Secretary of the Interior's Professional Qualification Standards for Architectural History pursuant to 36 CFR 61. This document shall include a historical narrative on the architectural and historical importance of the building and its contributions to the history of the area and educational institutions. The document shall also record the existing appearance of the buildings in professional large format photographs. The buildings' exteriors, representative interior spaces, character-defining features, as well as the property setting and contextual views will be documented. All documentation components shall be completed in accordance with the Secretary of the Interior's Standards and Guidelines for Architectural and Engineering Documentation (HABS/HAER standards). Copies of the completed report will be distributed to the South Coastal Information Center (SCIC) at the California State University – San Diego.

The report shall record the history of the subject property and its physical condition, both historic and current, through site plans, historic maps, and photographs, as well as current photographs, written data, and text. The documentation will be organized in the HABS/HAER "short form" format to include the following sections: name, location, significance, description, history, sources, historians, project information, sketch map, and index of photographs. Selected photographic copies or original photographic prints (pursuant to HABS/HAER guidelines) of historic images showing the subject property and original surroundings will be included.

CUL-3: Monitoring. If the Secretary of the Interior's Standards Preservation and Plan Review Report determines that avoidance and protection of historic resources are required, prior to the start of construction, a Qualified Preservation Professional shall be retained to develop a plan of action for avoidance and protection of historic materials in coordination. The plan shall include at a minimum:

1. Notation of the building/structure/feature on construction plans.
2. Pre-construction survey to document the existing physical condition of the building/structure/feature.
3. Procedures and timing for the placement and removal of a protective barrier(s), such as protective wood boards, bracing or framing to protect fragile fenestration and other exposed architecture features and materials, protective fencing and/or concrete or water-filled plastic K-rails around each retained building/structure/feature.
4. Monitoring of the installation and removal of protective barriers by the Qualified Preservation Professional, or his or her designee.
5. Monitoring of the condition of the building/structure/feature at regular intervals during the duration of demolition and construction including vibration monitoring.
6. Post-construction survey to document the condition of the building/structure/feature after completion of the Project.
7. Preparation of a technical memorandum documenting the pre-construction and post-construction conditions of the historic materials and resource in compliance with protective measures outlined in this mitigation measure.

The plan shall comply with the Secretary of the Interior's Standards for the Treatment of Historic Properties and shall be memorialized in a technical memorandum, which shall be submitted to District for review and approval. The final approved plan shall be submitted to the District no later than 30 days prior to the start of construction including any staging or demolition activities. The plan shall be provided to each construction manager/foreman at the project kick-off meeting for each phase of work. The technical memorandum documenting the pre-construction and post-construction conditions shall be submitted to the District within 30 days of completion of the Project and removal of the protective barriers.

In addition, prior to the start of construction, the District shall inform construction personnel of the location and significance of the historic materials/resource, and of the avoidance and protective measures that shall be implemented. If work crews are phased, the District shall ensure that each crew is provided with this information.

Significance Determination: Less than significant with mitigation.

b) **Less-Than-Significant Impact**. As indicated above, the SCIC records search identified one structure determined to be ineligible as a historic resource within 0.5 mile of the Project Site, and no archaeological resources. The Project includes excavations of an average of two feet deep for building foundations and approximately 18-inches deep for the proposed JUF. According to the preliminary geotechnical investigation (Appendix D),

artificial fill ranges in thickness up to approximately three feet below grade, with all borings going through approximately one foot of disturbed surficial soils (MTGL, Inc. 2002). Therefore, the Proposed Project could exceed the approximate depth of artificial fill underlying the Project Site. While it is unlikely that intact archaeological resources would be encountered as a result of Project-related ground disturbance, in the unlikely event that archaeological resources are encountered they may qualify as unique archaeological resources pursuant to CEQA. With the incorporation of Construction Measure CM-4, which includes procedures for previously unknown and undiscovered archaeological resources that are uncovered during ground-disturbing activities, potential impacts to unique archaeological resources would be reduced to a less than significant level.

c) **Less-than-Significant Impact.** No known human remains exist within the Project Site. However, the Project involves ground disturbance that, while unlikely, has the potential to encounter buried human remains. Should Project-related ground disturbance unearth, expose, or disturb previously unknown human remains, the statutes of PRC Section 5097.98 and Health and Safety Code Section 7050.5 will be followed, as detailed in Construction Measure CM-5. Accordingly, the San Diego County Coroner must be notified in the event human remains are encountered. If the County Coroner determines that the remains are Native American, the California Native American Heritage Commission (NAHC) would be notified in accordance with Health and Safety Code Section 7050.5, subdivision (c), and PRC Section 5097.98 (as amended by Assembly Bill 2641). The NAHC would designate a Most Likely Descendent for the remains per PRC Section 5097.98. As the Project contractor would be required to comply with applicable Health and Safety Codes, impacts to human remains would be less than significant.

References

ESA, 2019. Historic Resources Assessment, Montgomery Middle School Whole Site Modernization Project. October 2019.

Energy

Issues (and Supporting Information Sources):	*Potentially Significant Impact*	*Less Than Significant with Mitigation Incorporated*	*Less Than Significant Impact*	*No Impact*
VI. ENERGY — Would the project:				
a) Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?	☐	☐	☒	☐
b) Conflict with or obstruct a state or local plan for renewable energy or energy efficiency?	☐	☐	☒	☐

Discussion

a) **Less-Than-Significant Impact.** This section analyzes impacts on energy resources due to construction and operation of the Proposed Project. Project construction would consume energy primarily from on- and off-road vehicle fuel consumption in the form of diesel, gasoline, and electricity from water conveyance for dust control. Project operations would consume energy in the form of electricity for lighting and water conveyance, and natural gas for heating/cooling of new and modernized buildings, and fossil fuels for school and JUF visitor trips.

Construction

Construction-related energy requirements and energy use efficiencies by energy type for each construction stage were quantified for a project similar to the Proposed Project, the *Franklin Elementary School Whole Site Modernization, Initial Study/Mitigated Negative Declaration* (ESA 2019). The assumptions and methodology used in these prior analyses are the same that would be used for the Proposed Project, except that the Proposed Project would require a construction period of 24 months as compared to the similar project that only required a construction period of approximately 1 year. Thus, construction energy consumption values from the similar project were conservatively doubled to account for an approximately 24-month construction period for the Proposed Project. As such, re-running CalEEMod for Proposed Project would result in similar emissions, which would still be substantially less than the thresholds. Therefore, the use of the previous emissions modeling output is appropriate for the Proposed Project.

The estimated fuel usage for off-road equipment is based on the number and type of equipment that would be used during construction activities, hour usage estimates, the total duration of construction activities, and hourly equipment fuel consumption factors from the CARB OFFROAD model, which was used in the air quality analysis. On-road vehicles would include vendor trucks to deliver supplies necessary for construction, and fuel used for construction employee commute trips. Electricity used from water conveyance for dust control was calculated using assumptions for gallons used per acre per day and CalEEMod water conveyance intensity factors were applied to calculate total construction electricity consumption. Construction activities typically do not involve the consumption of natural gas.

Table 5 summarizes the total fuel and electricity consumption from construction activities of the project similar to the Proposed Project.

TABLE 5
SUMMARY OF ENERGY CONSUMPTION DURING PROJECT CONSTRUCTION

Fuel Type	Annual Average Quantity	Project Total Quantity
Gasoline	**Gallons**	
On-Road Construction Equipment	4,182	8,364
Off-Road Construction Equipment	0	0
Total Gasoline	4,182	8,364
Diesel	**Gallons**	**Gallons**
On-Road Construction Equipment	5,380	10,760
Off-Road Construction Equipment	29,886	59,772
Total Diesel	35,266	70,532
Electricity	**kWh**	**kWh**
Water Conveyance for Dust Control	14,021	28,042
Project Length	—	24 months

SOURCE: ESA, 2019

As shown in Table 5, the energy consumption summary provided represents the amount of energy that could potentially be consumed during construction based on a conservative set of assumptions, provided in Appendix C. As shown in Table 5, on- and off-road vehicles would consume an annual estimated average of 4,182 gallons of gasoline, approximately 35,266 gallons of diesel fuel, and approximately 14,021 kWh of electricity throughout construction. For comparative purposes, the fuel consumption during construction would represent approximately 0.0004 percent of the 2017 annual on-road gasoline-related energy consumption and 0.04 percent of the 2017 annual diesel fuel-related energy consumption in San Diego County. Electricity would represent approximately 0.0001 percent of San Diego Gas and Electric's (SDG&E) total electricity sales for 2018. Detailed calculations are shown in Appendix C.

Project construction contractors would be required to comply with applicable CARB regulations governing the accelerated retrofitting, repowering, or replacement of heavy-duty diesel on- and off-road equipment, in compliance with Construction Measure CM-7. CARB adopted an Airborne Toxic Control Measure to limit heavy-duty diesel motor vehicle idling time in order to reduce public exposure to DPM and other toxic air contaminants. CARB approved the Truck and Bus regulation to reduce NO_X, PM_{10}, and $PM_{2.5}$ emissions from existing diesel vehicles operating in California. In addition to limiting exhaust from idling trucks, CARB recently promulgated emission standards for off-road diesel construction equipment of greater than 25 horsepower to reduce emissions by requiring the installation of diesel soot filters and encouraging the retirement, replacement, or repower of older, dirtier engines with newer emission-controlled models.

While intended to reduce construction criteria pollutant emissions, compliance with the above anti-idling and emissions regulations would also result in a more efficient use of construction-related energy and the minimization or elimination of wasteful and unnecessary consumption of energy. The regulation was estimated by CARB to reduce non-essential idling and associated emissions of diesel PM and NO_X emissions by 64 and 78 percent, respectively, in analysis year 2009. These reductions in emissions are directly attributable to overall reduced idling times and fuel combustion as a result of compliance with the regulation.

Project construction compliance with Construction Measure CM-7 and these CARB regulations would result in energy savings of approximately 108 gallons of diesel fuel saved per year, assuming a fuel reduction equivalent to the percent reduction of diesel PM or $NO_{X,}$ as estimated by CARB for 2009 (the lesser value, i.e., 64 percent, is used as a conservative assumption). Heavy-duty engines continue to become more efficient and reduction amounts may lessen in the future due to this. Although the energy savings cannot be precisely quantified, the Project would still reduce consumption of diesel fuel under the anti-idling measure.

Project construction use of electricity would be temporary, sporadic, and cease upon completion of Project construction. Electricity for water conveyance would only be used when necessary to reduce fugitive dust, which would decrease after completion of the earth-moving phases and paving, when the Project Site would be paved and less dust to control. Thus, construction of the Project would use energy necessary to build the Project, but would not result in the wasteful, inefficient, and unnecessary use of energy, and impacts would be less than significant.

Operations

Project operations would consume energy from electricity for lighting and water conveyance (including water used for the JUF), and natural gas for heating/cooling of new and modernized buildings, and fossil fuels (diesel and gasoline) for school and JUF visitor trips. During operation of the Project, energy would be consumed for multiple purposes, including, but not limited to, heating/ventilating/air conditioning (HVAC); refrigeration; lighting; and the use of electronics, equipment, and appliances for the new gymnasium and modernized existing buildings.

Operations-related energy requirements and energy use efficiencies by energy type were quantified for a project similar to the Proposed Project, the *Franklin Elementary School Whole Site Modernization, Initial Study/Mitigated Negative Declaration* (ESA 2019). The energy produced by the existing school uses was estimated and subtracted from the energy use estimated for the school upgrades to estimate the net energy use under the Project. Electricity and natural gas usage were estimated using CalEEMod emission factors, while fuel consumption was estimated using EMFAC2017 emission factors and total vehicle miles traveled (VMT) from the CalEEMod emissions modeling for the Project. **Table 6** summarizes the Project's operational energy usage by sources in comparison to SDG&E and San Diego County's transportation fuel use.

TABLE 6
PROJECT ESTIMATED OPERATIONAL ENERGY USAGE AND REGIONAL ENERGY SUPPLY

Source	Natural Gas Per Year (million kBtu)[a]	Electricity Per Year (GWh)[b]	Gasoline (gallons)	Diesel (gallons)
Regional				
SDG&E (2018)	81,707	15,635	—	—
San Diego County Fuel Use (2017)[c]	—	—	1,377,000,000	210,200,000
Existing [d]				
Building Energy	0.242	0.230	—	—
Water Heating and Conveyance	—	0.001	—	—
Total	**0.242**	**0.231**	—	—
Proposed Project [d]				
Building Electricity	0.222	0.225	—	—
Water Heating and Conveyance	—	0.003	—	—
			—	—
Total	**0.222**	**0.228**	—	—
Net Total (Project – Existing)	**-0.020**	**-0.03**	—	—
Percent of SDG&E/San Diego Count	-0.00002%	-0.0002%	0.000%	0.000%

NOTES:
[a] San Diego Gas and Electric, 2018 Energy Data, 2018. Available at: https://energydata.sdge.com/ Accessed February 2019
[b] San Diego Gas and Electric, 2018 Energy Data, 2018. Available at: https://energydata.sdge.com/ Accessed February 2019
[c] California Energy Commission (CEC), California Annual Retail Fuel Outlet Report, 2017.
[d] Project electricity and natural gas was calculated using CalEEMod outputs

SOURCE: ESA, 2019.

Project operation would result in a slight net decrease demand for electricity. As shown in Table 6, Project operation would result in a projected net total consumption of electricity of approximately -0.03 GWh per year, which represents -0.0002 percent of SDG&E's total sales in 2018.

The similar project operation would result in a slight decrease in the demand for natural gas resources. As shown in Table 6, operation is projected to generate an annual net total demand for natural gas of approximately -0.02 million kBtu and represent -0.00002 percent of SDG&E's total sales in 2018. Operation of the Proposed Project would comply with the applicable provisions of Title 24 and the CALGreen Code in effect at the time of notice to proceed of construction issuance to minimize electricity and natural gas demand. Therefore, with the incorporation of these features, operation of the similar project, and thus the Proposed Project, would not result in the wasteful, inefficient, and unnecessary consumption of natural gas and impacts would be less than significant.

As the Proposed Project does not change the current number of students, student capacity or staff of the existing school, the Proposed Project would not change its existing demand for fuel resources for the existing school. The minimal vehicle trips associated with use

of the JUF would result in a minimal demand for fuel resources. Therefore, the Proposed Project's fuel consumption would not result in the wasteful, inefficient, and unnecessary consumption of fuel and impacts would be less than significant.

b) **Less-Than-Significant Impact.** Project construction equipment would comply with federal, state, and regional requirements, where applicable. With respect to truck fleet operators, the EPA and National Highway Traffic Safety Administration (NHTSA) have adopted fuel efficiency standards for medium- and heavy-duty trucks. The Phase 1 heavy-duty truck standards apply to combination tractors, heavy-duty pickup trucks and vans, and vocational vehicles for model years 2014 through 2018 and result in a reduction in fuel consumption from 6 to 23 percent over the 2010 baseline, depending on the vehicle type. The EPA and NHTSA also adopted the Phase 2 heavy-duty truck standards, which cover model years 2021 through 2027 and require the phase-in of a 5 to 25 percent reduction in fuel consumption over the 2017 baseline depending on the compliance year and vehicle type. The energy modeling for trucks does not take into account specific fuel reductions from these regulations, since they would apply to fleets as they incorporate newer trucks meeting the regulatory standards; however, these regulations would have an overall beneficial effect on reducing fuel consumption from trucks over time as older trucks are replaced with newer models that meet the standards.

In addition, construction equipment and trucks are required to comply with CARB regulations regarding heavy-duty truck idling limits of five minutes at a location and the phase-in of off-road emission standards that result in an increase in energy savings in the form of reduced fuel consumption from more fuel-efficient engines. Although these regulations are intended to reduce criteria pollutant emissions, compliance with the anti-idling and emissions regulations would also result in the efficient use of construction-related energy.

Electricity and natural gas usage during Project operations, as reported in Table 5 and Table 6, would be minimized through incorporation of applicable 2019 Title 24 standards and applicable 2019 CALGreen requirements.

With respect to operational transportation-related fuel usage, the Project would support statewide efforts to improve transportation energy efficiency and reduce transportation energy consumption with respect to private automobiles. The Project would comply with CAFE fuel economy standards and the Pavley and Low Carbon Fuel standards, which are designed to result in more efficient use of transportation fuels.

As discussed in detail in Issue 8, Greenhouse Gas Emissions, the most applicable plan, policy, or regulation adopted for the purpose of reducing greenhouse gas (GHG) emissions are Assembly Bill (AB) 32 and Senate Bill (SB) 32, which codified the state's long-term GHG emissions reduction targets. Consistent with recent juridical and legislative action, this analysis also considers the long-range (2050) reduction target outlined in Executive Order (EO) S-3-05. Additionally, the analysis considers consistency with the District's "Dream Big" Ideas, which were developed to support

GHG reductions consistent with regional and statewide targets. GHG reduction plans consider strategies that result in energy savings such as increasing renewable electricity use, reducing water use, and improving overall energy efficiency of buildings and mobile sources. Therefore, since Project operation is consistent with AB 32, SB 32, Title 24, and CALGreen standards, it does not obstruct any applicable renewable energy or energy efficiency plan, and impacts are less than significant.

References

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California Energy Commission (CEC). 2017. California Retail Fuel Outlet Annual Reporting (CEC-A15) Results. http://www.energy.ca.gov/almanac/transportation_data/gasoline/2017_A15_Results.xlsx.

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U.S. Environmental Protection Agency (USEPA). 2011. Fact Sheet: EPA and NHTSA Adopt First-Ever Program to Reduce Greenhouse Gas Emissions and Improve Fuel Efficiency of Medium- and Heavy-Duty Vehicles, August.

USEPA. 2016. Federal Register/Vol. 81, No. 206/Tuesday, Greenhouse Gas Emissions and Fuel Efficiency Standards for Medium- and Heavy-Duty Engines and Vehicles—Phase 2, October 25.

Geology and Soils

Issues (and Supporting Information Sources):	*Potentially Significant Impact*	*Less Than Significant with Mitigation Incorporated*	*Less Than Significant Impact*	*No Impact*
VII. GEOLOGY AND SOILS — Would the project:				
a) Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:				
i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.	☐	☐	☒	☐
ii) Strong seismic ground shaking?	☐	☐	☒	☐
iii) Seismic-related ground failure, including liquefaction?	☐	☐	☒	☐
iv) Landslides?	☐	☐	☒	☐
b) Result in substantial soil erosion or the loss of topsoil?	☐	☐	☒	☐
c) Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction, or collapse?	☐	☐	☒	☐
d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial direct or indirect risks to life or property?	☐	☐	☒	☐
e) Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?	☐	☐	☐	☒
f) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?	☐	☐	☒	☐

Discussion

a) **Less-than-Significant Impact.**

i) Similar to all of southern California, the Project Site is in a known seismically active region where the potential of seismic hazards exists. The site is not located on an Alquist-Priolo Earthquake Fault Zone (City of San Diego 2008). The nearest Alquist-Priolo fault is the Rose Canyon Fault, located approximately 0.6 miles west of the Project Site (City of San Diego 2008). Therefore, there is not a risk of fault rupture of a known Alquist-Priolo fault on the Project Site, and effects would be less than significant.

ii) All of San Diego County, including the Project Site, is located within Seismic Zone 4 (Section 1629.4.1 of the California Building Code [CBC]), which is the highest seismic zone, and is subject to ground shaking. A seismic event on the Rose Canyon fault could cause significant ground shaking on the Project Site.

Construction of the proposed gymnasium and modernization upgrades to existing buildings would be required to comply with all seismic-safety development requirements, including the Title 24 standards of the CBC under the direction and approval authority of the Division of the State Architect. Conformance with all applicable seismic-safety development requirements would minimize seismic ground shaking effects in the event of a major earthquake and ensure that the potential seismic or geologic hazard impacts are not significant. Conformance with all applicable seismic-safety development requirements would ensure that seismic ground shaking effects would be less than significant.

iii) Liquefaction occurs when cohesion-less soils become liquefied when agitated by strong vibratory motion due to earthquakes. Research and historical data indicate that loose granular soils and non-plastic silts that are saturated by a relatively shallow groundwater table are susceptible to liquefaction. The Proposed Project consists of the demolition of existing portables, modernization improvements to existing facilities, and construction of a new gymnasium, JUF, and reconfigured parking area. According to the preliminary geotechnical investigation prepared for a previous project at the Project Site (Appendix D), and the City of San Diego's Seismic Safety Study, the Project Site is not identified as an area susceptible to liquefaction (MTGL, Inc. 2002; City of San Diego 2008). As a result, the Proposed Project would not expose people or structures to potentially substantial adverse effects related to liquefaction, and impacts would be less than significant.

iv) According to the preliminary geotechnical investigation (Appendix D), the Project Site is not underlain by any active or ancient landslides, and no evidence of landslides were encountered at the Project Site. Given the very dense condition of the underlying Lindavista formation, the potential for landslides on the Project Site is considered low. Therefore, the potential for landslides would be less than significant.

b) **Less-than-Significant Impact.** The entire Project Site has been disturbed through prior development of the campus. Soils underlying the Project Site are classified primarily as artificial fill (consisting of silty clay with scattered roots) and Bedrock (consisting of nearshore marine, beach, and nonmarine sediments deposited on a wave-cut platform, generally a reddish-brown sandstone and conglomerate that is iron-cemented derived from erosion of the underlying Poway Group of Eocene age) (MTGL, Inc. 2002). Implementation of the Proposed Project would not result in substantial soil erosion or the loss of topsoil, as the soils on the Project Site have been altered from the original construction of the campus, and therefore have low erodibility within developed areas. Construction activities would include ground disturbance, however, given the shallow depth of earthwork required and the site's relatively level topography, rapid storm water runoff would be limited, and would not exacerbate erosion potential. In addition, with implementation of Construction Measure CM-2, a Stormwater Pollution Prevention Plan

(SWPPP) would be prepared and BMPs implemented, which would in turn reduce erosion. Therefore, impacts would be less than significant related to soil erosion.

c) **Less-than-Significant Impact.** As previously discussed above, the Project Site has low potential for liquefaction, landslides, and soil erosion, and impacts are considered less than significant. According to the site-specific geotechnical evaluation, the Project Site is underlain by artificial fill (consisting of silty clay with scattered roots) which is further underlain by very old paralic deposits. (MTGL, Inc. 2002). The Project Site is not located on a geologic unit or soil that is unstable or would become unstable as a result of the Proposed Project, resulting in an on-site or off-site landslide, lateral spreading, subsidence, liquefaction, or collapse (MTGL, Inc. 2002). Therefore, impacts would be less than significant.

d) **Less-than-Significant Impact.** Expansive soils are fine-grained soils (generally high-plasticity clays) that can undergo a significant increase in volume with an increase in water content and a significant decrease in volume with a decrease in water content. Changes in the water content of an expansive soil can result in severe distress to structures constructed upon the soil. According to the preliminary geotechnical investigation prepared for a previous project at the Project Site (Appendix D), the Project Site is underlain by artificial fill (consisting of silty clay with scattered roots) and bedrock (consisting of nearshore marine, beach, and nonmarine sediments deposited on a wave-cut platform, generally a reddish-brown sandstone and conglomerate that is iron-cemented derived from erosion of the underlying Poway Group of Eocene age) (MTGL, Inc. 2002). Based on samples tested and visual classification, the soils on the Project Site generally have a very low to low expansion potential. The Project Site is not located on expansive soils that would create substantial direct or indirect risk to life or property. Therefore, impacts would be less than significant related to expansive soils.

e) **No Impact.** Implementation of the Project would not result in any impacts regarding inadequate soils to support septic systems. Marston Middle School uses the existing sewer system for the disposal of wastewater, and would not use septic tanks or alternative wastewater disposal systems. Therefore, there would be no impact.

f) **Less-than-Significant Impact.** A paleontological database search was conducted by the San Diego National History Museum (SDNHM), located in Appendix E. The SDNHM search indicates the Project Site is underlain by the Lindavista formation and the Scripps formation. The Pleistocene-age (1.5 million – 500,000 years) Lindavista formation underlies the entire Project Site and rests upon the Tecolote and Clairemont terraces, which are 800,000 and 698,000 years-old, respectively. The formation is broadly equivalent to very old paralic deposits. The Lindavista formation has moderate paleontological sensitivity and has produced fossil specimens of marine invertebrates, as well as sharks and baleen whales throughout San Diego County; however, no fossil localities have been recovered from the formation within the Project Site or its vicinity. The Lindavista formation is underlain at unknown depths by the Eocene-age (47 million years old) Scripps formation within the Project Site. The Scripps formation has high

paleontological sensitivity, and fossil collection localities from the formation have been identified within one mile of the Project Site. These localities produced trace fossils (e.g., borings in wood and shell, and burrows in sediment) and fossilized impressions or remains of plants (e.g., wood of unidentified vascular plants), and marine invertebrates (e.g., corals, snails, clams, mussels, oysters, tusk shells, nautiloids, crabs, heart urchins, and sea urchins).

According to the preliminary geotechnical investigation (Appendix D), artificial fill ranges in thickness up to approximately three feet below grade, with all borings going through approximately one foot of disturbed surficial soils (MTGL, Inc. 2002).

The following significance criteria are based on Appendix G of the State CEQA Guidelines and provide the basis for determining the significance of impacts on paleontological resources resulting from the Proposed Project. The determination of whether a paleontological resources impact would be significant is based on the thresholds described below and the professional judgment of the District as Lead Agency, supported by the recommendations of qualified professional scientists and paleontologists.

Impacts are considered significant if the Proposed Project would result in any of the following.

1. Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature.

To assist in determining the significance of the Proposed Project's impact on paleontological resources, the District will utilize the City of San Diego's CEQA Significance Determination Thresholds. An answer in the affirmative to any of these questions would indicate that significant impacts on paleontological resources would occur and mitigation would be required to reduce these impacts to less-than-significant levels. Would the project:

1. Require over 1,000 cubic yards of excavation and excavation extending over 10 feet deep in an area underlain by a geologic unit considered to have high paleontological sensitivity?
2. Require over 2,000 cubic yards of excavation and excavation extending over 10 feet deep in an area underlain by a geologic unit considered to have moderate paleontological sensitivity?
3. Require any amount of grading on a fossil collection locality or within 100 feet of a documented fossil collection locality?

The above depth threshold of 10 feet was developed by the City of San Diego in consideration of the fact that modern soils and surface weathering processes often destroy fossils within 10 feet of the existing ground surface. However, in cases where prior construction-related earthwork activities (e.g., mass grading) have occurred (e.g., existing school campuses), the depth threshold may be greater than 10 feet (where artificial fill is

present to depths greater than 10 feet below grade) or less than 10 feet (where previously undisturbed/unweathered formation is present at or near grade). In addition, the City of San Diego recognizes that in certain situations the depth threshold should be modified—, for example, in cases where a project site has been previously graded and/or unweathered geologic deposits/ formations/rock units are present at the surface. Such a determination is usually based on the results of a project-specific geotechnical investigation, where available.

The Proposed Project site is not located within a unique paleontological resource site or on a geologic feature. Additionally, the Proposed Project's ground disturbing activities would be limited to an average of approximately two feet in depth and therefore would not exceed the threshold for excavation into a geologic unit considered to have moderate paleontological sensitivity, as described above. This impact is less than significant.

References

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Greenhouse Gas Emissions

Issues (and Supporting Information Sources):	*Potentially Significant Impact*	*Less Than Significant with Mitigation Incorporated*	*Less Than Significant Impact*	*No Impact*
VIII. GREENHOUSE GAS EMISSIONS — Would the project:				
a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?	☐	☐	☒	☐
b) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?	☐	☐	☒	☐

Discussion

a) **Less-Than-Significant Impact.** Project construction activities would generate GHG emissions. Once construction activities are complete, indirect GHG emissions may be generated by the operation of the new and modernized facilities. GHGs generated from Project construction and operation could contribute to a direct, indirect, or cumulative significant impact.

The District has not yet formally adopted specific thresholds of significance with regard to GHG emissions, nor has the District adopted a qualified plan, policy, or regulation to reduce GHG emissions that qualifies for tiering in CEQA documents (per State CEQA Guidelines Section 15183.5(a)). The City of San Diego adopted a Climate Action Plan (CAP) in December 2015 that identifies measures to meet GHG reduction targets for 2020 and 2035. However, the CAP does not include emissions associated with District and school operations; therefore, the City's CAP is not an applicable plan. The District has formed a committee to discuss a range of environmental sustainability activities, projects, and policies for consideration. This committee has generated various climate change-related "Dream Big" Ideas, including developing a CAP and developing enough solar capabilities to go "off-grid" by 2025 (District 2014). No timetable for developing and adopting the CAP and other "Dream Big" ideas has been set.

Other lead agencies throughout the state have adopted or recommend mass emission thresholds for evaluating construction and operational emissions. For example, the County of San Diego currently recommend projects be compared to a 900-metric-ton carbon dioxide equivalent ($MTCO_2e$) screening level to identify which projects require additional analysis and mitigation.

Project emissions below this 900 $MTCO_2e$ level are considered less than cumulatively considerable, and project emissions above this level require additional analysis. Moreover, projects that result in a net benefit by reducing GHG emissions are determined to have a less-than-significant impact related to GHG emissions. Recent Court decisions, including the *Center for Biological Diversity et al., Plaintiffs and Respondents v. California Department of Fish and Wildlife, Defendant and Appellant; The Newhall Land and Farming Company, Real Party in Interest. No. S217763 (Newhall Ranch)*, have recommended that analyses emphasize the consideration of GHG efficiency, and while the County guidance encourages CEQA analyses to focus on the GHG efficiency of a proposed project, the County also

acknowledges that some projects are sufficiently small such that it is highly unlikely they would generate a level of GHGs that would be cumulatively considerable.

This 900 $MTCO_2e$ screening level was developed in the California Air Pollution Control Officers Association (CAPCOA) *CEQA & Climate Change* paper (CAPCOA 2008) as a theoretical basis for screening-out smaller residential and non-residential (commercial, office) uses that emit low-levels of GHG emissions from further analysis. This 900 $MTCO_2e$ screening level is based on land-use related emission sources (e.g., on-road passenger vehicles, electricity and utility consumption) that are similar to school-related emissions and is the lowest numerical threshold recommended for use by any large jurisdiction in the state[5] (AEP 2016). Accordingly, the 900 $MTCO_2e$ threshold is applicable to the Proposed Project and meets the criteria identified in the *Newhall Ranch* decision needed to analyze project-level GHG emissions (e.g., project-specific emission sources).

Project construction activities would generate GHG emissions from the operation of off-road diesel equipment exhaust and emissions from employee, material delivery, and haul truck travel over the 24-month construction period. GHG emissions during construction would be primarily generated as vehicle tailpipe emissions of primarily carbon dioxide (CO_2) from the combustion of gasoline and diesel fuel, with more limited emissions of nitrous oxide (N_2O) and methane (CH_4), as well as, other GHG emissions related to vehicle cooling systems.

Construction-related GHG emissions for the Proposed Project were estimated using CalEEMod, version 2016.3.2., for onsite equipment and EMFAC2017 for on-road haul, vendor and worker trips, using the same assumptions used in the air quality emissions analysis above (see Issue 3). Total estimated construction-related GHG emissions are shown in **Table 7**. Construction-related GHG emissions were recently quantified for projects similar to the Proposed Project, the *Franklin Elementary School Whole Site Modernization, Initial Study/Mitigated Negative Declaration* (ESA 2019) and the *Cubberley and Encanto Elementary Schools Joint Use Fields Project, Final Mitigated Negative Declaration* (ICF 2018), using the same assumptions used in the air quality emissions analysis above (see Issue 3).

TABLE 7
ESTIMATED TOTAL CONSTRUCTION GHG EMISSIONS

Emission Source	Estimated CO_2e Emissions (MT)
Whole Site Modernization	395
Joint Use Field	445
Total Construction Emissions	840
Annual Construction (Amortized over 30 years)	28 (MT/yr.)

CO_2e= carbon dioxide equivalent; MT =metric tons; MT/yr = metric tons per year.
SOURCE: ESA CalEEMod Modeling, 2019. Appendix F.

5 Numerical thresholds adopted, proposed, or recommended throughout the state range from 1,100 $MTCO_2e$ to 100,000 $MTCO_2e$.

As shown in Table 7, the total estimated GHG emissions during construction of the Proposed Project would be approximately 840 MT of CO_2e. Consistent with the above mentioned GHG guidance, the sum of project-related GHG emissions of this previous project were amortized over a 30-year period of approximately 28 MT of CO_2e, to be added to annual operational emissions of this Project.

Project operation would generate direct and indirect operational GHG emissions from the building facilities. The Project would remove existing portable buildings, and thus, the reduction in emissions from these sources would be offset by emissions from the new gymnasium and modernized existing buildings. Therefore, to determine the total net increase in emissions from the Proposed Project, the existing emissions from the sources to be removed and from the buildings to be modernized are subtracted from the new emissions generated by the new building and the modernized buildings, and the JUF trips. The net annual GHG emissions for the existing site and Proposed Project (including Project construction amortized over 30 years) are shown in **Table 8**.

TABLE 8
ESTIMATED TOTAL ANNUAL GHG EMISSIONS

Emission Source	Estimated CO_2e Emissions (MT/yr.)[1]
Existing Operational Emissions[2]	
Area	<1
Energy	61
Water and Wastewater	2
Solid Waste	27
Total Existing Emissions	**89**
New Annual Operational Emissions[3]	
Area	<1
Energy	57
Water and Wastewater	2
Solid Waste	29
Joint Use Field	214
Total Annual Emissions	**302**
Net Annual Emissions[4]	**213**
Annual Construction Emissions (Amortized)	**28**
Total Annual Emissions	**241**
Threshold	900
Exceeds Threshold?	**No**

1 Totals may not add exactly due to rounding

2 Emissions from sources to be removed (i.e. portable buildings)

3 Emissions from sources to be added (i.e. new building)

4 Net emissions are the new emissions minus the existing emissions to be replaced.

CO_2e= carbon dioxide equivalent; MT = metric tons; MT/yr. = metric tons per year.

SOURCE: ESA CalEEMod Modeling, 2019. Appendix F.

As shown in Table 8, the estimated annual similar project-related GHG emissions (amortized construction plus operations) were calculated to be approximately 241 $MTCO_2e$, which is well below the 900 $MTCO_2e$ per year threshold described above. Therefore, the Proposed Project would not generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment. This impact is considered less than significant.

b) **Less-than-Significant Impact.** As described above, the City of San Diego adopted a CAP in December 2015, which is the City's plan to reduce GHG emissions, but the CAP does not include emissions associated with District and school operations. Therefore, the most applicable plan, policy, or regulation adopted for the purpose of reducing GHG emissions are AB 32 and SB 32, which codified the state's GHG emissions reduction targets for the future. Consistent with recent juridical and legislative action, this analysis also considers the long-range (2050) reduction target outlined in Executive Order (EO) S-3-05.[6] Additionally, the analysis considers consistency with the District's "Dream Big" Ideas (District 2014), which were developed to support GHG reductions consistent with regional and statewide targets.

CARB adopted the AB 32 Scoping Plan as a framework for achieving AB 32. The Scoping Plan outlines a series of technologically feasible and cost-effective measures to reduce statewide GHG emissions. These strategies are geared toward sectors and activities that generate significant amounts of GHGs. For example, the majority of measures address building energy, waste and wastewater generation, goods movement, on-road transportation, water usage, and GHGs with high global warming potential.

Implementation of the Proposed Project would not conflict with statewide plans since it would not result in zoning or land use changes. Construction of the Project would be short-term in nature, and emissions would not exceed any proposed threshold throughout the state, including the 900 $MTCO_2e$ level referenced above. The Project replaces portable buildings on-site with a new building (gymnasium) and modernizes some of the existing onsite buildings. The new building and building upgrades would reduce energy consumption, making the Project operation more efficient. As discussed above in Issue 8 (a), GHG operational emissions would be minimal and considerably lower than the 900 $MTCO_2e$ per year threshold identified above.

The State of California Executive Orders S-3-05 and B-30-15 establish goals to reduce GHG emissions to 40 percent below 1990 levels by 2030, and 80 percent below 1990 levels by 2050. SB 32 established the 2030 goal as law, but the 2050 goal has not yet been codified by the California Legislature. However, studies have shown that, to meet the 2030 and 2050 targets, aggressive technologies in the transportation and energy sectors, including electrification and the decarbonization of fuel, will be required. In its Climate Change Scoping Plan, CARB acknowledged that the "measures needed to meet the 2050 goal are too far in the future to define in detail." In the First Update, however, CARB generally described the type of activities required to achieve the 2050 target:

6 EO S-3-05 establishes a goal of 80% below 1990 levels by 2050.

"energy demand reduction through efficiency and activity changes; large-scale electrification of on-road vehicles, buildings, and industrial machinery; decarbonizing electricity and fuel supplies; and rapid market penetration of efficiency and clean energy technologies that requires significant efforts to deploy and scale markets for the cleanest technologies immediately." Since the regulatory framework to achieve the GHG reduction goals outlined in Executive Orders S-3-05 and B-30-15 are currently being developed under CARB's AB 32 and SB 32 regulatory authority and since GHG reductions depend on commercial development of future technologies including electrification of the passenger/light-duty and heavy-duty transportation sectors, quantitatively analyzing the Project's impacts further relative to the 2030 and 2050 goals currently is speculative for purposes of CEQA.

Although the Project's operational GHG emission levels in 2030 and 2050 cannot yet be reliably quantified, statewide efforts are underway to facilitate the State's achievement of those goals and it is reasonable to expect the Project's operational GHG emission levels to decline as the CARB regulatory initiatives identified in the 2017 Scoping Plan are implemented, and other technological innovations occur. Stated differently, the Project's emissions total for 2024, the first year of operation, represents the maximum emissions inventory for the Project as California's emissions sources are being regulated (and foreseeably expected to continue to be regulated in the future) in furtherance of the State's environmental policy objectives. Given the reasonably anticipated decline in Project emissions once fully constructed and operational, the Project would be consistent with the Executive Orders' goals.

Because the Project's location, land use characteristics, and design render it consistent with statewide and regional climate change mandates, plans, policies, and recommendations, the Project would be consistent with and would not conflict with any applicable plan, policy, regulation or recommendation to reduce GHG emissions. Therefore, impacts would be less than significant.

References

City of San Diego (City). 2016. *Final Significance Thresholds for Greenhouse Gas Emissions.* July. Available: https://www.sandiego.gov/sites/default/files/july_2016_ceqa_thresholds_final_0.pdf City of San Diego (City). 2015. Climate Action Plan. November. Available at http://www.sandiego.gov/planning/genplan/cap/.

County of San Diego. 2013. *Guidelines for Determining Significance – Climate Change.* November. Available: http://www.sdcounty.ca.gov/dplu/advance/climateactionplan.html.

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Hazards and Hazardous Materials

Issues (and Supporting Information Sources):	*Potentially Significant Impact*	*Less Than Significant with Mitigation Incorporated*	*Less Than Significant Impact*	*No Impact*
IX. HAZARDS AND HAZARDOUS MATERIALS — Would the project:				
a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?	☐	☐	☒	☐
b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?	☐	☐	☒	☐
c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?	☐	☐	☒	☐
d) Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?	☐	☐	☒	☐
e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard or excessive noise for people residing or working in the project area?	☐	☐	☒	☐
f) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	☐	☐	☒	☐
g) Expose people or structures, either directly or indirectly, to a significant risk of loss, injury, or death involving wildland fires?	☐	☐	☒	☐

Discussion

a) **Less-than-Significant Impact.** Project construction would require the use of materials that are typically associated with construction activities, such as diesel fuels, hydraulic liquids, oils, solvents, and paints. All of these materials would be handled in accordance with state and federal regulations. As the school was constructed in the mid-1950s, prior to the phasing out of lead and asbestos containing materials, construction workers could come in contact with lead and asbestos containing materials during the modernization improvements at the Project Site. Lead based materials and asbestos containing materials are regulated by the California Department of Occupational Safety and Health (Cal/OSHA). Potentially hazardous materials, including lead and asbestos, found on site would be removed in accordance with state and federal regulations regarding the transport, use, and storage of hazardous materials, including but not limited to the U.S. Department of Transportation Hazardous Materials Transportation Act, California Hazardous Waste Control Act, and California Hazardous Materials Release Response Plans and Inventory Law of 1985. In addition, the Proposed Project would not change the ongoing operations at the school and the Proposed Project would not introduce new hazardous materials. The routine transport, use, or disposal of hazardous materials used

on the Project Site would be conducted in accordance with state and federal regulations regarding hazardous materials. Therefore, the Proposed Project would not create a significant hazard to the public or environment through the routine transport, use, or disposal of hazardous materials, and impacts would be less than significant.

b) **Less-than-Significant Impact.** Project construction would use materials that are typically associated with construction activities (e.g. diesel fuel, gasoline fuel, oil, asphalt and binders, fertilizer, and paint). During construction activities, hazardous materials could accidentally be spilled or otherwise released into the environment. If an accident were to occur, clean up would be conducted in accordance with state and federal regulations regarding hazardous materials, including regulations under the United States Environmental Protection Agency (USEPA), California Department of Occupational Safety and Health (Cal/OSHA), and California Department of Toxic Substances Control (DTSC). Furthermore, all projects within the District are required to comply with the District's most recent Standard Construction Specifications during construction of a project. Several of the standard specifications require compliance with existing regulations or require contractors to avoid or minimize impacts. Some of the sections of the specifications related to reducing hazards and hazardous materials impacts include, but are not limited to, the following:

- Section 02 82 33, Removal and Disposal of Asbestos Containing Materials, of the District's Standard Construction Specifications, which includes all labor, materials, facilities, equipment, services, employee training, permits, agreements, waste transport, and disposal necessary to perform the work required for asbestos removal in accordance with specifications from EPA, OSHA, National Institute for Occupational Safety and Health (NIOSH), State of California regulations, and any other applicable Federal, State, and local government regulations.
- Section 02 83 33, Removal and Disposal of Material Containing Lead, of the District's Standard Construction Specifications, which includes all labor, materials, facilities, equipment, services, employee training, permits, agreements, waste transport, and disposal necessary to perform the work required for removal of materials containing lead in accordance with specifications from EPA, APCD, OSHA, NIOSH, State of California regulations, and any other applicable Federal, State, and local government regulations.

The Proposed Project would not change the ongoing operations at the Project Site. Therefore, construction and operational impacts related to foreseeable upset and accidental conditions would be less than significant.

c) **Less-than-Significant Impact.** The Project Site itself is a school and any hazardous materials used during project construction would be transported, used, and stored in accordance with state and federal regulations regarding hazardous materials. The routine transport, use, or disposal of hazardous materials used on the Project Site would be conducted in accordance with state and federal regulations regarding hazardous materials. Therefore, the handling of hazardous materials within one-quarter mile of a school site would be less than significant.

d) **Less-than-Significant Impact.** Government Code Section 65962.5 requires the California EPA (Cal EPA) to develop and annually update the Hazardous Waste and Substances Sites (Cortese) List. According to the State Water Resource Control Board (SWRCB) GeoTracker database the Project Site is identified as a leaking underground storage tank (LUST) cleanup site. However, the LUST site is listed as case closed as of March 6, 1989 (SWRCB 2019). No open cleanup sites or hazardous waste facilities are located within the Project Site (DTSC 2019). Therefore, as the Project Site is not listed as an open cleanup site or hazardous waste facility, impacts would be less than significant.

e) **Less-than-Significant Impact.** The Project Site is not within 2 miles of a public or private airport facility. The nearest airfield to the Project Site is Montgomery-Gibbs Executive Airport, approximately 2.7 miles east of the Project Site. Other airport facilities include Marine Corps Air Station (MCAS) Miramar, approximately 3.3 miles northeast, and San Diego International Airport (SDIA), approximately 6 miles south of the Project Site. The project site is within Review Area 2 of the Montgomery-Gibbs Airport Influence Area (AIA). Within Review Area 2, limits on the heights of structures, particularly in areas of high terrain, are the only restrictions on land uses (ALUC 2010). The Proposed Project would construct a new single-story gymnasium, which would not exceed the limit on the height of structures within Review Area 2; therefore, would not conflict with the adopted Montgomery Field Airport Land Use Compatibility Plan (ALUCP). The Project Site is not within the boundaries of the AIA for MCAS Miramar or SDIA (ALUC 2008 and ALUC 2014). There are no private airstrips within the vicinity of the Project Site. As such, the Proposed Project would not conflict with an ALUCP or any other applicable rules and regulations that pertain to airports and airport safety or excessive noise, and would result in less than significant impacts upon implementation of the Proposed Project.

f) **Less-than-Significant Impact.** Emergency management services are overseen by the San Diego Fire-Rescue Department, which responds to emergencies such as earthquakes, floods, and terrorist acts. In addition, the District maintains a Natural Hazards Mitigation Plan that addresses issues related to multiple hazards, including earthquakes, floods, wildfires, landslides, and tsunamis. Current access to the Project Site for emergency vehicles is provided from the existing three parking lots and from a driveway on the corner of Ute Drive and Waco Street. Construction activities would occur within the Project Site but would not restrict access for emergency vehicles traveling to the school. During reconfiguration of the northeastern parking lot, emergency access would be provided from the northwestern and central parking lots. After construction of the Project, emergency access would remain similar to existing conditions. As a result, implementation of the Proposed Project would not impair or physically interfere with an emergency response, and the impacts are considered to be less than significant.

g) **Less-than-Significant Impact.** According to the California Department of Forestry and Fire Protection's (CAL FIRE) Very High Fire Hazard Severity Zones (VHFHSZ) in Local Responsibility Area Map, the school site is located within a fire hazard severity zone (CAL FIRE 2009). However, the Project Site is within a developed urban area, and

the Proposed Project would not alter the existing land use. While open space areas (Tecolote Canyon Natural Park) are located in proximity to the Project Site, all Project activities would occur within the already developed school property. Therefore, the Proposed Project would not expose people or structures directly or indirectly to a significant risk of loss, injury, or death from wildfires, and impacts would be less than significant.

References

Airport Land Use Commission (ALUC). 2008. Airport Land Use Compatibility Plan: MCAS Miramar. Available at http://www.san.org/Airport-Projects/Land-Use-Compatibility/EntryId/2989#118076-alucps.

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Department of Toxic Substances Control (DTSC). 2019. EnviroStor Hazardous Waste and Substances Site List.

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Hydrology and Water Quality

Issues (and Supporting Information Sources):	*Potentially Significant Impact*	*Less Than Significant with Mitigation Incorporated*	*Less Than Significant Impact*	*No Impact*
X. HYDROLOGY AND WATER QUALITY — Would the project:				
a) Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality?	☐	☐	☒	☐
b) Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?	☐	☐	☒	☐
c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would:				
i) result in substantial erosion or siltation on- or off-site;	☐	☐	☒	☐
ii) substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or offsite;	☐	☐	☒	☐
iii) create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff; or	☐	☐	☒	☐
iv) impede or redirect flood flows?	☐	☐	☐	☒
d) In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?	☐	☐	☐	☒
e) Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?	☐	☐	☒	☐

Discussion

a, e) **Less-than-Significant Impact.** The Proposed Project includes modernization to all buildings, construction of a new gymnasium and JUF, and reconfiguration the northeastern parking area. During construction, exposed soil could temporarily increase the amount of sediment in runoff, which would enter the existing storm drain system. The Proposed Project would be required to obtain and comply with the Construction General Permit from the SWRCB. Storm water best management practices (BMPs) would be required to limit erosion, minimize sedimentation, and control stormwater runoff water quality during construction activities. It is assumed that the Proposed Project would disturb more than one acre of land and that the Proposed Project would implement Construction Measure CM-2 which requires preparation of a SWPPP and compliance with the Construction General Permit. Compliance with the Construction General Permit and implementation of the SWPPP would ensure that construction activities would not degrade the surface water quality of receiving waters to levels that would be below the standards that are considered acceptable by the San Diego Regional Water Quality Control Board (RWQCB) or other regulatory agencies. The Project Site would continue

to drain into the existing municipal storm drain system within the Project Site. After completion of construction activities, the Project Site would capture more storm water due to the natural turf being installed and would decrease the amount of surface runoff. In addition, the Proposed Project includes a site drainage/erosion control feature northeast and west of the JUF, which would also decrease the amount of surface runoff compared to existing conditions. New connections or upgrades to off-site infrastructure would not be required.

According to the preliminary geotechnical investigation (Appendix D), no groundwater was encountered during boring excavations drilled to a maximum depth of approximately 21 feet (MTGL, Inc. 2002). It is not anticipated the Project construction would reach this depth, and no impacts to groundwater quality are anticipated. Similar to existing conditions, the Project does not propose to use groundwater. As a result, impacts related to surface water or groundwater quality would be less than significant, and the Proposed Project would not conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan.

b) **Less-than-Significant Impact.** The Project Site is within an established urban community that is serviced by the City of San Diego Public Utilities Department. The Project does not propose to use groundwater. The Proposed Project would replace approximately 4.5-acres of impervious surface with pervious surface (i.e. a natural turf field), which would allow increased percolation and support groundwater recharge. Therefore, the Proposed Project would not interfere with groundwater recharge such that the Proposed Project may impede sustainable groundwater management of a basin. Therefore, a less than significant impact would occur related to a decrease in groundwater supplies or groundwater recharge.

c, i) **Less-than-Significant Impact.** Construction of the Proposed Project would include ground disturbing activities in order to construct the new gymnasium and modernize school facilities, reconfigure the northeast parking lot, and construct a new JUF in place of the existing DG playground in the southwest corner of the Project Site. These activities could temporarily alter the ground surface, consequently altering drainage patterns. Altered drainage patterns have the potential to result in erosion or sedimentation on or offsite by redirecting or concentrating flows on-site. However, as described above in Issue 10 (a), the Proposed Project would implement Construction Measure CM-2 and would be required to comply with the Construction General Permit and prepare and implement a SWPPP. BMPs would be implemented to minimize sedimentation at the Project Site. After the completion of construction, the ground surface would include new pervious surfaces resulting from the demolition of the existing asphalt playground and the construction of the natural turf JUF. In addition, the Proposed Project includes a site drainage and erosion control feature and additional landscaping as part of the parking lot reconfiguration. The increase in pervious surfaces would allow additional water to percolate onsite and reduce the amount of runoff, which would in turn reduce erosion or siltation on- and off-site. Drainage within the Project Site would continue to be serviced by the existing storm drain system. Additionally, no stream or river courses exist within

the site vicinity that could be affected by the Proposed Project. Therefore, impacts on the existing drainage pattern regarding siltation or erosion on- or off-site would be less than significant.

ii) **Less-than-Significant Impact.** As previously discussed above, construction of the Proposed Project could temporarily alter the ground surface, consequently altering the drainage pattern. Altered drainage patterns have the potential to result in increased runoff, which could result in flooding on or offsite. However, as described above in Issue 10 (a), the Proposed Project would implement Construction Measure CM-2 and would be required to comply with the Construction General Permit and prepare and implement a SWPPP. BMPs would be implemented to minimize runoff at the Project Site, which in turn would minimize flooding. After the completion of construction, the ground surface would include new pervious surfaces in the southwest corner of the Project Site due to the construction of the natural turf JUF and the addition of a drainage and erosion control feature. The increase in pervious surfaces would reduce the rate and amount of surface runoff, and therefore, would reduce flooding on- and off-site. Drainage within the Project Site would continue to be serviced by the existing storm drain system. Therefore, impacts on the existing drainage pattern regarding runoff in a manner that would result in flooding on- or off-site would be less than significant.

iii) **Less-than-Significant Impact.** See discussion under Issue 10 (c)(i) and (ii), above. Construction of the Proposed Project would not result in significant impacts on the existing drainage pattern due to the implementation of Construction Measure CM-2 and BMPs that would minimize flooding and runoff. After the completion of construction, the addition of the site drainage and erosion feature and JUF would increase pervious surfaces and improve drainage at the Project Site. In addition, drainage for the site would continue to be serviced by the existing storm drain system. Therefore, impacts related to runoff exceeding the drainage system capacity would be less than significant.

iv) **No Impact.** The Project Site is not within a 100-year flood hazard area, as mapped on Federal Emergency Management Agency's (FEMA) Flood Insurance Rate Map (FEMA 2019). Therefore, the Proposed Project would not impede or redirect flood flows, and there would be no impact.

d) **No Impact.** The Project Site is located approximately one-mile northeast of Mission Bay and 3.4 miles from the Pacific Ocean. According to the California Emergency Management Agency's Tsunami Inundation Map, the Project Site is in the La Jolla Quadrangle, however is not within the Tsunami Inundation Area (California Emergency Management Agency 2009). In addition, the Project Site is not located near a body of water, and therefore is not at risk of seiches. As previously discussed, the Project Site is not within a 100-year flood hazard area, as mapped on FEMA's Flood Insurance Rate Map (FEMA 2019). As a result, there would be no impact regarding risks from seiche, tsunami, or flood hazards that would risk release of pollutants due to inundation.

References

California Emergency Management Agency. 2009. Tsunami Inundation Map for Emergency Planning. Accessed September 2019.

Federal Emergency Management Agency (FEMA). 2019. Flood Map S. Accessed September 2019.

MTGL, Inc. 2002. Preliminary Geotechnical Investigation Marston Middle School Library Addition.

Land Use and Planning

Issues (and Supporting Information Sources):	*Potentially Significant Impact*	*Less Than Significant with Mitigation Incorporated*	*Less Than Significant Impact*	*No Impact*
XI. LAND USE AND PLANNING — Would the project:				
a) Physically divide an established community?	☐	☐	☐	☒
b) Cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?	☐	☐	☐	☒

Discussion

a) **No Impact.** The Proposed Project would occur within the existing boundaries of the school campus. The Project includes a new JUF that would be accessible to the larger community. Therefore, implementation of the Proposed Project would not physically divide an established community, and no impact would occur.

b) **No Impact.** The Proposed Project is consistent with the City's General Plan land use designation (Institutional & Public and Semi-Public Facilities). By state law, school facilities can be exempted from local zoning ordinances consistent with California Government Code Section 53094. The District adopted a resolution on July 10, 2018, exempting the Project Site from local zoning ordinances consistent with the Project being carried out as described in this IS. Therefore, zoning information is provided only for reference because it is not binding on the project and no impacts would occur. The Proposed Project would not result in any changes to the existing land use at the site. Additionally, no components of the Proposed Project would have the potential to conflict with adjacent land uses. No impacts would occur.

References

City of San Diego. 1998. Clairemont Mesa Community Plan. Available at https://www.sandiego.gov/sites/default/files/legacy//planning/community/profiles/clairemontmesa/pdf/clairemontmesa042611c.pdf Accessed October 2018.

City of San Diego. 2015. City of San Diego General Plan Land Use and Community Planning Element. Available at https://www.sandiego.gov/planning/genplan.

Mineral Resources

Issues (and Supporting Information Sources):	*Potentially Significant Impact*	*Less Than Significant with Mitigation Incorporated*	*Less Than Significant Impact*	*No Impact*
XII. MINERAL RESOURCES — Would the project:				
a) Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?	☐	☐	☐	☒
b) Result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan, or other land use plan?	☐	☐	☐	☒

Discussion

a, b) **No Impact.** The Project Site is in Mineral Resource Zone (MRZ) 3, as identified in the Conservation Element of the City of San Diego's General Plan (City of San Diego 2008). MRZ-3 areas contain known mineral deposits that may qualify as mineral resources. However, the Proposed Project involves improvements of an existing school site; no mineral extraction or other mining operations occur within the Project Site. In addition, the District does not intend to remove the school; therefore, the Project Site would not be available for mineral extraction activities in the future. The Proposed Project would not result in the loss of availability of known mineral resource that would be of value to the region and the residents of the state, or result in the loss of a mineral resource recovery site. Therefore, there would be no impact on mineral resources.

References

City of San Diego. 2008. City of San Diego General Plan Conservation Element. Available at https://www.sandiego.gov/planning/genplan.

Noise

Issues (and Supporting Information Sources):	*Potentially Significant Impact*	*Less Than Significant with Mitigation Incorporated*	*Less Than Significant Impact*	*No Impact*
XIII. NOISE — Would the project result in:				
a) Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?	☐	☐	☒	☐
b) Generation of excessive groundborne vibration or groundborne noise levels?	☐	☒	☐	☐
c) For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?	☐	☐	☐	☒

Discussion

a) **Less-Than-Significant Impact.** Project construction would generate noise from the daytime operation of construction equipment on the Project Site and from haul truck trips on local roadways accessing and departing the Project Site. Project construction activities would be subject to the City's Municipal Code Section 59.5.0404, which limits noise-generating construction activity to between the hours of 7:00 a.m. and 7:00 p.m., Monday through Saturday. Within these permitted hours, it is unlawful for construction activity to cause a 12-hour average noise level (L_{eq}) greater than 75 dBA at any property zoned residential.

The Project Site is located within a residential neighborhood, with residences across the streets that surround the Project Site (Ute Drive to the north, Waco Street to the south, and Clairemont Drive (across from the southwest corner of the Project Site) and is adjacent to the South Clairemont Recreation Center. The residences, recreational center, and the school are considered sensitive noise receptors for the purposes of this noise analysis. The auditorium is used for church services on Sunday, when construction would not occur.

Operational noise within the City is governed by the City's Municipal Code Section 59.5.0401, which establishes the allowable noise limits at the property boundaries for different land use zones, as summarized in **Table 9**.

The operational noise level limits identified in Table 9 refer to the 1-hour average or L_{eq}. In the event that the noise standards are assessed on a boundary between two land uses, the applicable noise limits are the arithmetic mean of the respective limits for the two land uses. Both the Project Site and the closest residential noise-sensitive receptors are zoned single-family residential, and therefore, the single-family residential noise limits presented in Table 9 would apply.

TABLE 9
CITY OF SAN DIEGO NOISE LIMITS

Receiving Land Use	Daytime 7 a.m.–7 p.m. (dBA L_{eq})	Evening 7 p.m.–10 p.m. (dBA L_{eq})	Nighttime 10 p.m.–7 a.m. (dBA L_{eq})
Single-family residential	50	45	40
Multi-family residential	55	50	45
All other residential	60	55	50
Commercial	65	60	60
Industrial or agricultural	75	75	75

Notes: dBA = A-weighted sound level, the sound pressure level in decibels as measured using the A weighting filter network, which de-emphasizes the very low- and very high-frequency components of the sound in a manner similar to the frequency response of the human ear; L_{eq} = equivalent sound level, the average of the sound energy occurring over the measurement period.

Existing Conditions

To characterize the existing ambient noise levels at the nearest residences surrounding the Project Site, recent noise measurements previously conducted by ESA for a similar recent District IS /MND, *Muir at Anderson School Whole Site Modernization Project Final Mitigated Negative Declaration,* were utilized for the Proposed Project (District 2019). Both Muir at Anderson School and the Project Site are located within a single-family residential neighborhood, with the residences located immediately across the residential collector streets that surround the Project Site. Therefore, the previously measured daytime ambient noise levels would be similar for the Project with similar suburban environments (an elementary school located adjacent to residences in established urban/suburban San Diego neighborhoods).

The previous noise measurements were conducted sequentially, each over a 15-minute duration, on Wednesday, October 24, 2018 from 9:44 a.m. to 12:44 p.m. at the residences nearest to the Muir at Anderson School. The dominant noise source observed in the vicinity of the Muir at Anderson School was vehicular traffic on the roadways adjacent to the campus; however, these roadways were relatively lightly traveled neighborhood streets with low average daily traffic volumes, and at the time of day of the measurements did not include peak AM and PM traffic volumes from commuter traffic and from school traffic at the start and end of the school day. Therefore, the measurements represent the quiet part of the day, when most residents are at work and students are in class, when school is in session. The previous noise measurements ranged from approximately 49 – 57 dBA L_{eq} at the property line of the residences along the streets surrounding the Muir at Anderson School site, depending upon local traffic and neighborhood and school activity at the time of each measurement, and approximately 57 dBA L_{eq} onsite within the school grounds approximately 60 feet from classrooms and recess areas, when students were in school buildings (i.e., classrooms, lunchroom, etc.) and outside playing at recess areas on-site.

Construction Impacts

Project construction would generate noise primarily within the Project Site and to a lesser extent on adjacent roadways and surrounding uses. Construction workers would commute daily to the site, and trucks transporting equipment and materials to the site would incrementally add minimal traffic to the existing traffic volume on roadways on weekday mornings and afternoons. This would result in a negligible increase in noise levels on access roads to the Project Site during this commute period, as traffic volumes would have to double to result in a 3 dBA increase, which would be barely perceptible. However, the equipment and materials delivery by truck would generate a relatively higher peak noise level on roadways during site access than commute traffic, which could cause an intermittent short-term noise nuisance (e.g., passing trucks at 50 feet would generate up to 76 dBA L_{max}). However, the Project's contribution of construction traffic noise to existing roadway traffic noise levels averaged over a 24-hour period (i.e., Community Noise Equivalent Level [CNEL]) would be low due to the infrequent Project traffic volume. Therefore, short-term construction-related impacts associated with commuting workers and transporting equipment to the Project Site would be less than significant based on the City's Municipal Code Section 59.5.0404.

Project construction would generate noise from the use of heavy construction equipment on-site during the demolition of portable classrooms and playground pavement, site preparation, excavation for the gymnasium and the JUF, grading, gymnasium and JUF construction, paving, landscaping, and finishing that would be potentially occurring simultaneously throughout the Project Site. Based on the anticipated types and quantities of equipment needed for each construction activity, **Table 10** presents the hourly average construction phase noise levels (dBA L_{eq}) attenuated by closest distance (60 feet) from the construction phase activity to the nearby noise-sensitive receivers (i.e., the off-site residences across the streets surrounding the Project Site, the recreational center adjacent to the Project Site, and the on-site students in buildings and recess areas).

TABLE 10
PREDICTED CONSTRUCTION NOISE LEVELS AT NEARBY SENSITIVE-RECEIVERS

Construction Phase	Distance from Project Property Line (feet)	Estimated Construction Noise Level (Leq, dBA)
Modernization	60	71
Demolition	60	82
Grading	60	80
Building Construction	60	74
Architectural Coating + Paving	60	78
Maximum Average Noise Level	60	**82**

SOURCE: ESA 2019

As shown in Table 10, the estimated construction noise levels at the residential property line range from 71 to 82 dBA L_{eq}, depending upon each construction phase and its construction activities.

Project construction would be subject to the allowable construction hours and construction noise level limits of the City of San Diego Municipal Code Noise Ordinance, which states that:

> *Temporary construction noise which exceeds 75 dB(A) Leq at a sensitive receptor would be considered significant. Construction noise levels measured at or beyond the property line of any property zoned residential shall not exceed an average sound level greater than 75-decibels (dB) during the 12-hour period from 7:00 a.m. to 7:00 p.m. In addition, construction activity is prohibited between the hours of 7:00 p.m. of any day and 7:00 a.m. of the following day, or on legal holidays as specified in Section 21.04 of the San Diego Municipal Code, with the exception of Columbus Day and Washington's Birthday, or on Sundays, that would create disturbing, excessive, or offensive noise unless a permit has been applied for and granted beforehand by the Noise Abatement and Control Administration, in conformance with San Diego Municipal Code Section 59.5.0404.*

As shown in Table 10, Project construction noise levels would range from 71 to 82 dBA L_{eq}, which at adjacent residences during some phases (demolition, grading, and paving), would potentially exceed the City's construction average sound level limit of 75 dBA L_{eq} during the 12-hour period from 7:00 a.m. to 7:00 p.m. at or beyond the property line of any property zoned residential.

Prior to construction, it is a District best practice to send construction notices to the families of all enrolled students, the Mayor's office, local City councilmembers, local community planning groups, and immediate campus neighbors, which may assist in allowing receptors to avoid peak construction noise periods. In addition, the Project would implement Construction Measure CM-6 during the demolition, grading, and paving phases, which would include noise reduction measures such as equipping construction equipment with properly operating and maintained muffler exhaust systems, locating noise equipment as far as possible from noise sensitive receptors, and implementing temporary noise barriers at construction noise sources.

Implementation of Construction Measure CM-6 (which includes temporary noise barriers) would reduce construction noise levels at the source by up to 15 dBA L_{eq}, thereby, reducing the estimated construction noise levels of approximately 71 to 82 dBA L_{eq} at residences to approximately 56 to 67 dBA Leq, which would be below the City's construction average sound level limit of 75 dBA Leq during the 12-hour period from 7:00 a.m. to 7:00 p.m. at or beyond the property line of any property zoned residential. Therefore, noise impacts to residences would be less than significant.

In addition, school classroom buildings on-site would be as close as approximately 60 feet to Project construction activities, therefore, the construction noise would have minimal distance for attenuation, as experienced for the off-site residential properties. Project construction activities would determine when and where the construction activities would occur on-site, and whether school would be in or out of session. The active construction area would be isolated at a distance from active classrooms. Construction noise levels at a reference distance of 60 feet would result in a maximum average noise level of approximately 82 dBA L_{eq}. Note, the City's construction noise level limit of the 75 dBA L_{eq} of the Noise Ordinance is applicable only to residential property lines, not schools; however, implementation of Construction Measure CM-6 would implement temporary noise barriers between the noise source and classroom, which would reduce construction noise levels by up to 15 dBA to occupied classrooms (where students are studying) to less than the City's construction noise level limit, resulting in a less than significant impact.

Operation Impacts

Operation of the proposed modernized buildings would not increase student or employee capacity at the school; thereby, there would be no increase in vehicle trips to the Project Site and no increase in vehicle traffic on area roadways. Therefore, the off-site traffic noise impact of the project's whole site modernization would be less than significant. Operation of the Project's JUF would include vehicle trips to and from the project site by field users, as well as, from regular maintenance and landscaping. The field would consist of natural turf (grass) that would require regular maintenance from off-road equipment, assuming that mowing for each site takes place for four hours every other week.

Operation of the whole site modernization would include the operation of on-site stationary noise sources, including HVAC units on the new building. The operation of HVAC equipment would be the primary operational noise source on-site associated with the proposed modernization improvements. Noise levels from HVAC equipment vary significantly depending on unit efficiency, size, and location but generally average from 45 dBA to 70 dBA L_{eq} at 50 feet (USEPA 1971). However, HVAC noise levels are typically attenuated by design, baffling, enclosures, barriers and distance. Section 59.5.0401 of the City of San Diego Noise Ordinance prohibits the 1-hour average sound level from exceeding the applicable limits at any location in the City of San Diego on or beyond the boundaries of the property on which the noise is produced. However, the Project would comply with the City's Noise Ordinance by designing and locating HVAC units to provide sufficient baffling, barriers, and distance such that the noise level from HVAC units and generators would be less than 45 dBA L_{eq} at the property line. Therefore, impacts would be less than significant related to operation of the modernized buildings and reconfigured parking lot.

Operation of the proposed JUF would also include organized team activity, most likely youth league soccer, based on coordination with District and City staff. Currently, the school

has recess activities on the Project Site when school is in session including on the proposed location of the JUF in addition to existing after school activities at the existing JUA.

To establish reference noise levels from soccer games and recess activities, previous noise measurements of youth soccer games at Dailard Elementary Joint-Use Park, and recess activities at Linda Vista Elementary School in the City of San Diego, previously conducted for the *Cubberley and Encanto Elementary Schools Joint Use Fields Project, Final Mitigated Negative Declaration* (ICF 2018), were utilized for the Proposed Project analysis. These locations were chosen instead of the Project Site or another site in the District for the following reasons:

- The locations are similar to the existing and Proposed Project uses—an existing school and a proposed JUF.
- The locations are in a similar setting to the proposed JUF—adjacent to homes in established urban/suburban San Diego neighborhoods.
- The locations are away from other major noise sources (such as freeways) that might contaminate the measured soccer and recess noise levels.
- Each site offers a good layout for measuring noise levels with accessible measurement locations and a clear line-of-sight to the activities being measured.

It should be noted that existing noise associated with school recess and after school use of the existing JUA are considered to be baseline noise conditions. The following noise modeling assumptions represent a conservative assessment of potential noise impacts associated with the implementation of the Proposed Project. *Soccer Game Noise*

The previous noise measurements of youth soccer games at Dailard Elementary Joint-Use Park were conducted on Saturday, September 17, 2016. Noise levels were measured from approximately 12:50 p.m. to 3:30 p.m. during regularly scheduled Crusaders Youth Soccer games. The games observed during the measurements consisted of 11 players per team, with all participants being males approximately 12 years old. The measurement location was approximately 60 feet northeast from the closest edge of the soccer field and approximately 150 feet from the center of the field. Spectators were gathered at various locations around the field, at distances ranging between approximately 40 feet and 330 feet from the measurement microphone. Over the course of the measurement, the total number of people at the soccer games varied from approximately 50 to 115; this included players on the field, players off the field, referees and other officials, and spectators. The average (L_{eq}) noise level measured during the soccer games was 59 dBA, with minimum and maximum noise levels of 36 and 86 dBA, respectively.

Recess Noise

The previous noise measurements of recess activities at Linda Vista Elementary School were conducted on Tuesday, October 18, 2016. Noise levels were measured from approximately 10:30 a.m. to 11:40 a.m. to capture morning recess, and from 12:20 p.m. to 1:40 p.m. to capture the lunch break/recess. The sound level meter was located at the

top of a slope approximately 15 to 20 feet above the elevation of the adjacent asphalt playground. This location provided line-of-sight views to a large portion of the school's outdoor playground areas. Due to the layout of the school, the playground extended around the measurement location on both its east and south sides. The measurement location was approximately 35 feet from the closest edges of the school playground to the east and south. Throughout the measurement period, various groups of students generated noise at various locations, including flat asphalt playground areas, climbing/play equipment, a tetherball area, and an existing DG field. The distance between the measurement microphone and the noise-generating activities ranged from approximately 60 feet for the closest activity on the asphalt playground to over 400 feet for activity at the far side of the DG field. Over the course of the measurement, the total number of students visible across the exterior playground and field areas varied from approximately 20 to 150. Additional students may have been at exterior playground areas that were not visible from the measurement location, such as on the opposite side of school buildings. The average (L_{eq}) noise level measured during morning recess was 64 dBA, with minimum and maximum noise levels of 41 and 82 dBA, respectively. The average (L_{eq}) noise level measured during the lunch break was also 64 dBA, with minimum and maximum noise levels of 43 and 86 dBA, respectively. These two measurement periods are consistent with one another, and combining the two into a single aggregated measurement indicates an average (L_{eq}) noise level of 64 dBA, with minimum and maximum noise levels of 41 and 86 dBA, respectively.

The measured noise sources for both the previous soccer and recess measurements were distributed over relatively large areas. Each measurement was obtained at a different location, and the geometry of the overall noise source for each measurement was somewhat different relative to the microphone position. In order to provide a meaningful comparison, the measured noise levels were normalized to a reference distance. First, the acoustical average distance to the overall noise source for each activity was calculated. The acoustical average distance is used to represent noise sources that are mobile or distributed over an area; it is calculated by multiplying the shortest distance between the receiver (i.e., the measurement microphone) and the source area by the farthest distance, and then taking the square root of the product.[7]

For the soccer measurements, noise sources were located between 40 and 330 feet from the microphone, resulting in an acoustical average distance of approximately 115 feet. For the recess measurements, noise sources were located between 60 and 240 feet from the microphone, resulting in an acoustical average distance of approximately 120 feet. **Table 11** summarizes the measured noise levels, the distances, and the normalized noise levels (at a reference average distance of 100 feet), and includes a comparison of the noise levels.

7 i.e., acoustical average distance = √ (shortest distance × farthest distance)

TABLE 11
COMPARISON OF SOCCER AND RECESS NOISE LEVELS

Noise Source	Measured Average (L_{eq}) Noise Level (dBA)	Range of Distance to Noise Source (feet)	Acoustical Average Distance (feet)	Normalized to 100 feet (dBA)[a]
Soccer games	59.9	40–330	115	61.1
Recess	63.7	60–240	120	65.2
Difference in Normalized Noise Levels between Soccer and Recess				+4.1

[a] Adjusted assuming a change of 6 dB per doubling of distance from the noise source.

SOURCE: ICF 2018

As shown in Table 11, the previous noise measurements of youth soccer games were approximately 61 dBA Leq at 100 feet, and elementary school recess activities were approximately 65 dBA Leq at 100 feet (ICF 2018), which at 100 feet would exceed the City's noise level limit of 50 dBA Leq for daytime and 45 dBA Leq for evening at a residential property line.

For the Proposed Project, the nearest residence to the proposed JUF on the Project Site is located across Clairemont Boulevard to the southwest approximately 137 feet from the southwest corner of the Project Site, and the representative soccer game noise would attenuate to approximately 58 dBA L_{eq} at this distance. Therefore, the representative soccer game noise would exceed the City's noise level limit of 50 dBA L_{eq} for daytime and 45 dBA L_{eq} for evening at a residential property line across Clairemont Drive. However, previously measured representative ambient noise levels at noise-sensitive receptors (single-family residential) closest to a similar proposed JUF were approximately 60 dBA L_{eq} during the day and 55 dBA L_{eq} during the evening (ICF 2018). Therefore, these representative ambient noise levels are above the City's applicable noise limits; therefore, adjusting the City standards to the representative ambient levels plus 3 dBA results in adjusted day and night standards of 63 dBA L_{eq} and 58 dBA L_{eq} respectively, for operation impact assessment of the JUF. Therefore, the representative soccer game noise of approximately 58 dBA L_{eq} at the nearest residence would not be greater than the existing conditions and would not exceed the adjusted day and night standards accounting for the existing condition noise levels, respectively.

JUF Operational Noise

The Project includes standard JUF operating procedure SOP-2 utilized by the City and the District at other existing JUFs that would be implemented to minimize noise levels generated from operation of the JUF, reduce the effect on adjacent residents, and ensure that the Proposed Project would not expose persons to or generate noise levels in excess of applicable noise standards. SOP-2 prohibits the use of noise-generating equipment at the fields (public address systems, bullhorns, air horns, etc.), prohibits the use of the field from dusk until dawn each day, and includes investigations of noise complaints, including

revoking permits for user groups if they generate ongoing noise complaints that cannot be remedied. In addition, the recess activities are an existing condition and would not change with implementation of the Proposed Project. Therefore, operational noise impacts of the Proposed Project would be less than significant related to exceeding City standards.

b) **Less-than–Significant Impact with Mitigation Incorporated.** During Project construction, the operation of typical heavy construction equipment for demolition of buildings and pavement, earth-moving activities (excavation and grading), construction of the gymnasium and JUF, and reconfiguration and expansion of the parking area (with compaction for paving) would generate localized vibration levels, which, depending upon distance, could potentially affect structures and/or annoy people. Heavy impact machinery, such as pile drivers, that could result in excessive vibration conditions, would not be used.

Construction vibration analyses are typically conducted for potential structural damage to buildings, and annoyance to humans in inhabited structures. The closest structures to the construction activities on the Project Site would be the existing school buildings to be modernized adjacent to the proposed demolition of portables and pavement activities, and the construction of the reconfigured parking area with compaction for paving. The closest off-site structures would be residential structures approximately 60 feet from the Project Site property line across Ute Drive to the north and Waco Street to the south, the commercial structures approximately 125 feet across Clairemont Drive to the west, and the recreational center structure approximately 55 feet to the south.

Construction vibration would have a significant impact if:

- Project construction activities cause groundborne vibration levels to exceed the building damage threshold of 0.2 inches per second (in/sec) peak particle velocity (PPV) for Building Category III Non-engineered timber and masonry buildings (FTA 2018), or 0.3 in/sec PPV structural damage threshold for Building Category II engineered concrete and masonry (no plaster) buildings (FTA 2018); and
- Project construction activities cause groundborne vibration levels to exceed the human annoyance threshold of 80 VdB at Land Use Category 2 – Residences, and 83 VdB at Land Use Category 3 – Institutional, primarily day use (FTA 2018).

The vibration levels generated by the operation of the heavy-duty construction equipment during the construction of the Proposed Project are identified in **Table 12,** in terms of PPV, expressed in/sec, and root mean square (RMS) velocity, expressed in VdB. As shown in Table 12, depending on the type of construction equipment used, vibration velocities could reach as high as approximately 0.210 in/sec PPV at 25 feet from the source (e.g., vibratory roller), which corresponds to a RMS velocity level of 94 VdB at 25 feet from the source.

TABLE 12
VIBRATION SOURCE LEVELS FOR CONSTRUCTION EQUIPMENT

Equipment	Approximate PPV (in/sec) at 25 feet	Approximate RMS (VdB) at 25 feet
Vibratory Roller	0.210	94
Large Bulldozer	0.089	87
Loaded Trucks	0.076	86
Jackhammer	0.035	79
Small Bulldozer	0.003	58

SOURCE: FTA 2018.

As shown in Table 12, operation of a vibratory roller (used in soil compaction for paving parking lots) would generate vibration levels that would have the potential to exceed the building damage threshold of 0.2 in/sec PPV, if operated within approximately 25 feet or less. Other heavy equipment generates vibration levels at less than half of the vibratory roller at 25 feet would not have the potential to exceed the building damage threshold of 0.2 in/sec PPV.

Structural Damage Analysis

The off-site structures closest to the Project Site boundary (residences and recreational center) are conservatively considered as non-engineered timber and masonry building, located approximately 60 feet from the boundary. Project construction activities closest to these structures would generate vibration that would attenuate with distance and would not exceed the 0.2 in/sec PPV structural damage threshold significant vibration impacts. Therefore, the vibration impact to off-site structures from Project construction would be less than significant.

The existing structures located on the Project Site are located in proximity to the operation of the heavy-duty construction activities, as close as adjacent to the auditorium for the proposed demolition of pavement for the construction of the reconfigured parking area with compaction for paving. The on-site structure closest to the Project Site construction activity, the auditorium, is conservatively considered as an engineered concrete and masonry building. Operation of a vibratory roller within 25 feet would not exceed the 0.3 in/sec PPV structural damage threshold for Building Category II engineered concrete and masonry (no plaster) buildings (FTA 2018). Therefore, the vibration structural damage impact to on-site structures from project construction potentially would be less than significant.

Human Annoyance Analysis

Construction vibration could annoy people within a nearby building. The vibration impact threshold for human annoyance at a residential structure is 80 VdB at Land Use Category 2 – Residences, infrequent use and 83 VdB at Land Use Category 3 – Institutional, infrequent use (FTA 2018). As shown in Table 12, at 25 feet, the vibration

generated by the operation of a vibratory roller (94 VdB), a large bulldozer (87 VdB), or a loaded haul truck (86 VdB) would exceed the residential human annoyance threshold of 80 VdB. However, at 50 feet, project construction activities would not exceed the human annoyance threshold of 80 VdB, except for the operation of the vibratory roller of 85 VdB, which at 60 feet would be 83 VdB, which would exceed the human annoyance threshold of 80 VdB. At 75 feet, operation of the vibratory roller would not exceed the human annoyance threshold of 80 VdB. Therefore, the operation of this equipment on-site along the Project Site boundary would exceed the vibration threshold of human annoyance at the off-site inhabited residences approximately 60 feet away, except during the operation of the vibratory roller, resulting in a potential significant impact.

On-site, construction vibration from the operation of this equipment near on-site structures (inhabited school buildings) could potentially annoy people (students and teachers) within a building in proximity to the construction activities. The existing structures located on the Project Site are located in proximity to the operation of the heavy-duty construction activities, as close as adjacent to the auditorium for the proposed demolition of pavement for the construction of the reconfigured parking area with compaction for paving, while other buildings are located at approximately 50 feet of greater from these activities. The vibration impact threshold for human annoyance at a daytime institutional use is 83 VdB. As shown in Table 12, at 25 feet (i.e., adjacent to the auditorium), the vibration generated by the operation of a vibratory roller (94 VdB), a large bulldozer (87 VdB), or a loaded haul truck (86 VdB) would potentially exceed the human annoyance threshold of 83 VdB. At 50 feet (i.e., near the cafeteria), the operation of a vibratory roller would generate 85 VdB, which would exceed the human annoyance threshold of 83 VdB, potentially resulting in a significant impact.

Therefore, the Proposed Project would implement **Mitigation Measure NOI-1** related to vibration-generating monitoring.

Mitigation Measures:

NOI-1: Construction Vibration. The following construction equipment techniques shall be implemented by the construction contractor to reduce construction-related vibration at nearby noise-sensitive receivers. The construction contractor(s) shall review all construction activity for potential vibration-generating activities from demolition, paving, and construction within 75 feet of existing inhabited buildings, and shall require site-specific vibration studies to be conducted to determine the area of impact and to identify appropriate construction techniques to minimize vibration. The studies shall, at a minimum, include the following:

- Identification of the Project's vibration compaction activities, and other vibration-generating activities that have the potential to generate ground-borne vibration;
- A vibration monitoring and construction contingency plan to identify structures where monitoring would be conducted;

- Maintain a monitoring log of vibrations during initial demolition activities. Monitoring results may indicate the need for a more or less intensive measurement schedule;
- Vibration level limits for suspension of construction activities and implementation of contingencies to lower vibration levels.

Significance Determination: Less than significant with mitigation.

c) **No Impact.** The Project Site is not located within the vicinity of a private airstrip; however, the Project Site is located within the Airport Influence Area, Review Area 2, and Airspace Protection Area of the Marine Corps Air Station Airport Land Use Compatibility Plan (San Diego County Airport Land Use Commission 2008); however, the Project site is not located within the Noise Contours Map. The nearest airfield to the Project Site is Montgomery-Gibbs Executive Airport, approximately 2.7 miles east of the Project Site. Other airport facilities include Marine Corps Air Station (MCAS) Miramar, approximately 3.3 miles northeast, and San Diego International Airport (SDIA), approximately 6 miles south of the Project Site. Therefore, no impact would occur.

References

California Department of Transportation (Caltrans), *Technical Noise Supplement* (TeNS). September, 2013.

City of San Diego, *City of San Diego General Plan*, Adopted March 10, 2008. Updated June, 2015. (Note: referenced as [2008] 2015 in text)

———, City of San Diego Municipal Code, Article 9.5, Noise Abatement and Control. June, 2000.

Environmental Science Associates (ESA), *Franklin Elementary School Whole Site Modernization, Initial Study/Mitigated Negative Declaration*. 2019.

ICF, *Cubberley and Encanto Elementary Schools Joint Use Fields Project, Final Mitigated Negative Declaration*. 2018.

Federal Transportation Administration (FTA), *Transit Noise and Vibration Impact Assessment Manual*, September 2018.

San Diego County Airport Land Use Commission, *Marine Corps Air Station Airport Land Use Compatibility Plan, Compatibility Policy Map, Airport Influence Area, Review Area 2*, October 2008.

Population and Housing

Issues (and Supporting Information Sources):	*Potentially Significant Impact*	*Less Than Significant with Mitigation Incorporated*	*Less Than Significant Impact*	*No Impact*
XIV. POPULATION AND HOUSING — Would the project:				
a) Induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?	☐	☐	☒	☐
b) Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?	☐	☐	☐	☒

Discussion

a) **Less-than-Significant Impact.** The Project Site is within an existing school property in a built-out, urbanized community. The Proposed Project would modernize the existing school with new facilities, add a JUF, and reconfigure a parking lot within the Project Site. The proposed upgrades would not increase the current number of students, student capacity, or staff capacity. As such, the Proposed Project would not induce substantial unplanned population growth, either directly or indirectly, or result in the extension of public roads or other infrastructure, all of which sufficiently serve the Project Site. Therefore, less than significant impacts would occur related to inducing substantial population growth in the area.

b) **No Impact.** The Project Site is within an existing school property in a built-out, urbanized community. No housing exists on the Project Site, and therefore the Proposed Project would not displace a substantial number of existing housing units or people, necessitating the construction of replacement housing elsewhere. Therefore, there would be no impact.

Public Services

Issues (and Supporting Information Sources):	*Potentially Significant Impact*	*Less Than Significant with Mitigation Incorporated*	*Less Than Significant Impact*	*No Impact*
XV. PUBLIC SERVICES —				
a) Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the following public services:				
i) Fire protection?	☐	☐	☒	☐
ii) Police protection?	☐	☐	☒	☐
iii) Schools?	☐	☐	☒	☐
iv) Parks?	☐	☐	☒	☐
v) Other public facilities?	☐	☐	☒	☐

Discussion

a) **Less-than-Significant Impact.**

i) The Project Site is currently served by the San Diego Fire Department (SDFD). The SDFD responds from 51 stations in the City of San Diego and the closest station to the Project Site is located 1.8 miles east at 5855 Chateau Drive. Implementation of the Proposed Project would not increase the current number of students, student capacity, or staff capacity. As such, the Proposed Project would not induce population growth directly or indirectly that could increase the demand on public services such as fire protection. The Project would not increase enrollment for the school, therefore would not increase the demand for fire protection at the Project Site, and no new or expanded fire facilities would be required. In addition, as discussed above in Issue 9 (f), the Proposed Project would not negatively impact emergency access to the Project Site. Therefore, the Proposed Project would not result in substantial adverse physical impacts associated with the need for new or physically altered governmental facilities in order to maintain acceptable service ratios, response times, or other performance objectives for any fire service agencies. As such, the impacts would be less than significant.

ii) The Project Site is currently serviced by the San Diego Police Department. The closest police station to the Project Site is the Northern Division, located 4.8 miles north at 4275 Eastgate Mall. As previously mentioned, the proposed school improvements would not increase the current number of students, student capacity, or staff capacity. As such, the Proposed Project would not induce population growth directly or indirectly that could increase the demand on public services such as police protection. Therefore, the Proposed Project would not

result in substantial adverse physical impacts associated with the need for new or physically altered governmental facilities in order to maintain acceptable service ratios, response times, or other performance objectives for any police service agencies. As such, the impacts would be less than significant.

iii) The Project Site is located on an existing school campus and would not increase it's the current number of students, student capacity, or staff capacity. The Proposed Project includes altering school facilities; however, these impacts are analyzed throughout this IS/MND for adverse physical effects on the environment. As such, the impacts would be less than significant.

iv) As previously mentioned, the Proposed Project would not increase the current number of students, student capacity, or staff capacity. New recreational facilities, specifically a JUF, would be constructed on the campus, as part of the proposed project, which would increase recreational opportunities for both students and residents in the surrounding neighborhood. Therefore, the Project would not result in substantial adverse physical impacts associated with the need for new or physically altered park facilities. As such, the impacts would be less than significant.

v) As previously mentioned, the Proposed Project would not increase the school's current number of students, student capacity, or staff capacity. As such, the Proposed Project would not induce population growth directly or indirectly that could increase the demand on other public services. Therefore, no additional public facilities would be required by the Proposed Project. As such, the impacts would be less than significant.

Recreation

Issues (and Supporting Information Sources):	*Potentially Significant Impact*	*Less Than Significant with Mitigation Incorporated*	*Less Than Significant Impact*	*No Impact*
XVI. RECREATION —				
a) Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?	☐	☐	☒	☐
b) Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?	☐	☐	☒	☐

Discussion

a) **Less-than-Significant Impact.** In addition to the existing recreational facilities on the Project Site itself (baseball field, basketball courts, racquetball courts, and asphalt playgrounds), the Proposed Project involves the construction of a JUF which would create additional recreational facilities on the school campus. The field would be available for third-party rentals and community use under the Civic Center Act, which permits organizations, clubs, and associations formed for recreational, educational, political, economic, artistic, and moral purposes to use school buildings and grounds. In addition, the proposed project would not increase student enrollment or capacity, alter existing academic-related operations at the school, or induce substantial population growth in the surrounding neighborhood, all of which could contribute to the deterioration of recreational facilities through increased use. Therefore, the Proposed Project would not increase the use of existing recreational facilities such that physical deterioration would occur or be accelerated, and impacts would be less than significant.

b) **Less-than-Significant Impact.** The proposed project entails the construction and operation of a recreational field, the impacts of which are analyzed throughout this IS. Therefore, impacts related to the construction or expansion of recreational facilities would be less than significant.

Transportation

Issues (and Supporting Information Sources):	*Potentially Significant Impact*	*Less Than Significant with Mitigation Incorporated*	*Less Than Significant Impact*	*No Impact*
XVII. TRANSPORTATION — Would the project:				
a) Conflict with a program plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities?	☐	☐	☒	☐
b) Would the project conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b)?	☐	☐	☒	☐
c) Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?	☐	☐	☒	☐
d) Result in inadequate emergency access?	☐	☐	☒	☐

Discussion

a) **Less-than-Significant Impact.** The Project Site is located within the Clairemont community in the central portion of the city of San Diego. Regional access to the Project Site is provided by I-5, approximately 0.8 miles to the west; SR-52, approximately 2.6 miles to the north; and I-805, approximately 2.3 miles to the east (see Figure 1). Local access to the Project Site is provided via Balboa Avenue to the north and Clairemont Drive to the west. The Project Site is bound by Ute Drive to the north, Waco Street to the east, and Clairemont Drive to the west. Vehicular site access is provided via three general-use parking lots. The Project Site includes an 18-space lot (including one ADA space) located in the northwest corner of the Project Site, with ingress into the parking lot provided off Clairemont Drive and egress onto Ute Drive. A second 45-space lot (including three ADA spaces) is located in the northeast corner of campus, with an ingress driveway and an egress driveway from Ute Drive. This parking lot includes a side lot east of the main circulation path. The third 17-space lot (including one ADA space) is located in the central portion of the Project Site interior to the campus, immediately south of the existing permanent buildings.

Construction is expected to occur between 7:00 a.m. and 7:00 p.m., Monday through Friday (sometimes Saturday), and would comply with the City of San Diego Municipal Code limits regarding construction activity (Municipal Code Section 59.5.0404). No nighttime construction would occur. The modernization improvements are scheduled to begin in May 2022.

During the construction period, construction vehicles would use the roadways that surround the Project Site to deliver materials and haul waste. Workers' vehicles and construction vehicles could access the site from the above-mentioned local streets. Roadway users could experience temporary delays from material deliveries, but these delays would be both brief and infrequent. Therefore, they would not affect overall traffic circulation in the project vicinity. Construction staging would occur on-site and would not affect traffic operations on adjacent roadways. Construction activities would not

impede non-motorized travel or public transportation in the project vicinity. The Proposed Project could, however, require temporary sidewalk closures along Ute Drive and Waco Street during construction of the reconfigured parking lot and along Clairemont Drive to accommodate the water connection to the JUF. The Proposed Project would implement Construction Measure CM-1, which includes a requirement to prepare and submit to the City for approval a traffic control plan. Furthermore, any construction activity that would be conducted in the public right-of-way would require permits in accordance with the City's construction permitting requirements.[8] Any delays would be temporary and not considered to be significant. Temporary traffic control during construction shall meet the requirements of the California Manual on Uniform Traffic Control Devices (Caltrans 2014).

As described in Chapter 2, Project Description, the District would have exclusive use of the JUF from 30 minutes before the school campus opens until 30 minutes after the school's dismissal bell on Monday through Friday. Hence, there would be no vehicle trips generated by the Proposed Project during the AM peak hour period (7:00 a.m. to 9:00 a.m.). Because the community would have access to the field starting 30 minutes after the school's dismissal bell (at 3:35 p.m.), vehicle trips to and from the field would be generated during the PM peak hour period (4:00 p.m. to 6:00 p.m.). However, it is anticipated that a high percentage of those who use the field would be from the local neighborhood and likely would walk or use a bike to get to and from the Project Site.

Based on the City of San Diego's Trip Generation Manual (May 2003), a "Developed Park" would generate 50 vehicle trips per acre of development with 4 percent of traffic arriving during the AM peak hour and 8 percent during the PM peak hour. On that basis, a developed area of 4.5-acres (approximately the size of the JUF) would generate 250 daily vehicle trips, with 10 AM peak-hour trips and 20 PM peak-hour trips. Because the field would not be available for public use during school hours, the actual trip generation would be lower than what would be calculated for a generic 5-acre "Developed Park." The trip generation potential of the JUF would result in fewer than 1,000 daily vehicle trips or 100 peak-hour trips, and therefore, per the City's Traffic Impact Study Manual (1998), a full traffic impact study for the Proposed Project is not warranted.

The Proposed Project would not conflict with any applicable plans, ordinances, or policies establishing measures for effectiveness of the performance of the circulation system, such as the Clairemont Mesa Community Plan Transportation Element, or the San Diego Metropolitan Transit System (MTS) ordinances. Therefore, the Proposed Project would not substantially degrade traffic operations or roadways in the project vicinity, nor would it impede non-motorized travel or public transportation. As such, impacts would be less than significant.

8 San Diego Municipal Code – Chapter 12, Article 9, Division 7 (Right-of-Way Permits)

Congestion Management Program Facilities

State Proposition 111, passed by voters in 1990, established a requirement that urbanized areas prepare and regularly update a Congestion Management Program (CMP). Although SANDAG provided regular updates for the state CMP from 1991 through 2008, the San Diego region elected to opt out of (be exempt from) the state CMP in October 2009. As such, there is no relevance of the Proposed Project to potential conflicts with an applicable CMP, and no impact would occur.

Transit, Bicycle, and Pedestrian Facilities

The Proposed Project would not directly or indirectly eliminate alternative transportation corridors or facilities (e.g., MTS and school bus stops). In addition, the Proposed Project would not preclude increased alternative transportation services. Therefore, the Proposed Project would not conflict with adopted policies, plans, or programs supporting alternative transportation. As mentioned above, the Proposed Project would not impede non-motorized travel or public transportation in the project vicinity; it would not decrease the performance or safety of such facilities. As a result, impacts would be less than significant.

b) **Less-than-Significant Impact**. In accordance with Senate Bill (SB) 743, the new CEQA Guidelines section 15064.3, subdivision (b) was adopted in December 2018 by the California Natural Resources Agency. These revisions to the CEQA Guidelines criteria for determining the significance of transportation impacts are primarily focused on projects within transit priority areas, and shifts the focus from driver delay to reduction of greenhouse gas emissions, creation of multimodal networks, and promotion of a mix of land uses. Vehicle miles traveled, or VMT, is a measure of the total number of miles driven to or from a development and is sometimes expressed as an average per trip or per person.

The newly adopted guidance provides that a lead agency may elect to be governed by the provisions of this section immediately. Beginning on July 1, 2020, the provisions of this section shall apply statewide. Because the Proposed Project is a locally-serving facility (public school and neighborhood park) as defined by the City of San Diego Draft Transportation Study Manual (TSM), a detailed transportation VMT analysis is not required and a less-than-significant VMT impact is assumed due to project characteristics and/or location (City of San Diego, 2020).

c) **Less-than-Significant Impact.** An impact would occur if the Project substantially increases roadway hazards due to a geometric design feature or the introduction of incompatible uses (i.e., farming equipment). As noted above, existing vehicular site access is provided via three general-use parking lots. The Project Site includes an 18-space lot (including one ADA space) located in the northwest corner of the Project Site, with ingress into the parking lot provided off Clairemont Drive and egress onto Ute Drive. A second 45-space lot (including three ADA spaces) is located in the northeast corner of campus, with an ingress driveway and an egress driveway from Ute Drive. This parking lot includes a side lot east of the main circulation path with 7 parking spaces

marked reserved for staff. The third 17-space lot (including one ADA space) is located in the central portion of the Project Site, immediately south of the existing permanent buildings. Although the Proposed Project would reconfigure and expand the parking area at the northeastern general-use parking lot, it would not modify the existing driveways or add any new driveways. Since all of the driveways are existing and were designed in compliance with the City's driveway and roadway requirements, the Proposed Project would not result in a roadway hazard due to a design feature. Therefore, impacts would be less than significant related to roadway hazards.

d) **Less-than-Significant Impact.** A significant impact would occur if the design of the Proposed Project would not satisfy local emergency access requirements. The Proposed Project would not include any alterations of existing roadway features (e.g., road realignment) that would create a permanent change to access for emergency vehicles. During construction of the Project, heavy construction-related vehicles could interfere with emergency response to the site (e.g., slowing vehicles traveling behind the truck). However, such delays would be infrequent and brief (drivers are required to pull over to allow an emergency vehicle on-call to pass), and contract specifications for the Project would ensure that emergency vehicle access on area roadways would be maintained at all times. As such, inadequate emergency access would not occur as a result of project construction, and impacts would be less than significant.

References

California Department of Transportation (Caltrans), 2014. *California Manual on Uniform Traffic Control Devices*. Updated March 29, 2019. Available at https://dot.ca.gov/programs/traffic-operations/camutcd/camutcd-rev4. Accessed September 11, 2019.

City of San Diego. 1998. *Traffic Impact Study Manual.* July. Available at https://www.sandiego.gov/sites/default/files/legacy/development-services/pdf/industry/trafficimpact.pdf. Accessed September 3, 2019.

City of San Deigo. 2003. *Trip Generation Manual*. May. Available at https://www.sandiego.gov/sites/default/files/legacy/planning/documents/pdf/trans/tripmanual.pdf. Accessed September 3, 2019.

City of San Diego. 2020. *Draft Transportation Study Manual (TSM)*. February. Available https://www.sandiego.gov/sites/default/files/draft_transportation_study_manual_w_appendices_2202020.pdf

Kimley Horn, 2018. *Marston Middle School Access and Parking Assessment*. June.

Metropolitan Transit System (MTS), 2019. Route 27, 50, and 150 Timetables. September 1, 2019. Available at https://www.sdmts.com/schedules-real-time-maps-and-routes/bus-routes. Accessed September 11, 2019.

Tribal Cultural Resources

Issues (and Supporting Information Sources):	*Potentially Significant Impact*	*Less Than Significant with Mitigation Incorporated*	*Less Than Significant Impact*	*No Impact*
XVIII. TRIBAL CULTURAL RESOURCES —				
a) Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:				
i) Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code Section 5020.1(k), or	☐	☒	☐	☐
ii) A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resources Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.	☐	☒	☐	☐

Discussion

a.i, ii) **Less-than-Significant Impact with Mitigation Incorporated.** A Sacred Lands File (SLF) search request was submitted to the California Native American Heritage Commission (NAHC) on August 22, 2019. In the response dated September 19, 2019, the NAHC indicated that a search of the SLF for the Project Site returned positive results, recommending a discussion with the Viejas Band of Kumeyaay Indians (NAHC 2019). Based on communication with the Viejas Band of Kumeyaay Indians on October 7, 2019 and October 8, 2019, the Viejas Band of Kumeyaay Indians requested a Kumeyaay Native American monitor for all ground disturbing activities. Therefore, to reduce potentially significant impacts on tribal cultural resources, **Mitigation Measure TRI-1**, would be implemented during Project construction to minimize potential damage or loss of tribal cultural resources during project specific ground disturbing activities. Mitigation Measure TRI-1 would reduce potential impacts to less than significant.

Pursuant to AB 52, California Native American tribes that are traditionally and culturally affiliated with the area can request notification of projects in their traditional cultural territory. Jamul Indian Village requested AB 52 consultation with the District on future projects; and consultation was initiated by the District on October 25, 2018. On November 12, 2018, the Jamul Indian Village provided a list of schools to District staff that were determined to be in sensitive areas. However, the Project Site was not included on the list provided by Jamul Indian Village. No other California Native American tribes are on the District's consultation list for AB 52.

Mitigation Measures:

TRI-1: Conduct Monitoring of Ground-Disturbing Activities by Native American Monitors. To reduce potential impacts on tribal cultural resources, prior to construction, the District shall consult with the Jamul Indian Village to determine if Native American monitors shall be present during ground disturbing activities. If it is determined that monitoring is necessary at any of the schools identified as being sensitive, the monitoring shall be conducted by a qualified Kumeyaay Native American monitor during ground-disturbing activities. The role of the Kumeyaay Native American monitor would be to represent tribal concerns and communicate with the tribal council. Appropriate representatives would be identified based on the location of the identified traditional location or place. Specifically, the following measures shall be implemented to reduce impacts:

- The Native American consultant/monitor, in consultation with the District, shall determine the extent of their presence during soil-disturbing and grading/excavation/trenching activities, and assist the District's qualified archaeologist and District with preparing the monitoring plan.
- If prehistoric resources are encountered during the Native American consultant/monitor's absence, work shall stop until the Native American monitor can observe and comment on the nature of the find.
- Attendance by Native American monitors during construction and restoration of the Proposed Program is at the discretion of the tribe, and the absence of a Native American monitor, should the tribes choose to forgo monitoring for some reason, will not delay work.
- The Native American monitors shall have the ability to notify the District's qualified archaeological monitor who has the authority to temporarily stop work if they find a cultural resource that may require recordation and evaluation.
- Interpretation of a find shall be requested from the Native American consultant/monitors involved with the discovery, evaluation, or data recovery of unanticipated finds for inclusion in a final Cultural Resources Report.
- The Native American monitor, in consultation with the District's qualified archaeologist, shall have the discretion to increase or decrease the level of monitoring under certain field conditions such as modern disturbance, including previous excavation/grading/trenching activities that exceed the depth of, or have removed, potential archaeological deposits; or when native soils are encountered.

Significance Determination: Less than significant with mitigation.

References

National American Heritage Commission, 2019. Letter RE: Marston Middle School Whole Site Modernization Project, San Diego County. September 19, 2019.

Utilities and Service Systems

Issues (and Supporting Information Sources):	*Potentially Significant Impact*	*Less Than Significant with Mitigation Incorporated*	*Less Than Significant Impact*	*No Impact*
XIX. UTILITIES AND SERVICE SYSTEMS — Would the project:				
a) Require or result in the relocation or construction of new or expanded water, wastewater treatment or storm water drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects?	☐	☐	☒	☐
b) Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry and multiple dry years?	☐	☐	☒	☐
c) Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?	☐	☐	☒	☐
d) Generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?	☐	☐	☒	☐
e) Comply with federal, state, and local management and reduction statutes and regulations related to solid waste?	☐	☐	☒	☐

Discussion

a) **Less-than-Significant Impact.** Wastewater treatment service is provided to the Project Site by the Metropolitan Sewerage System (Metro System), which is owned and operated by the City of San Diego Public Utilities Department's (PUD) Wastewater Branch (PUD 2016). Three treatment plants treat wastewater generated in the Metro System, including the North City Water Reclamation Plant (NCWRP), South Bay Water Reclamation Plant, and the Point Loma Wastewater Treatment Plant. The NCWRP currently treats the wastewater generated by the Project Site and has a treatment capacity of 24 million gallons per day (mgd) and a peak wet weather capacity of 30 mgd. In 2015, the measured wastewater collected was 16.15 mgd, which leaves an available capacity of approximately 7.85 mgd (PUD 2016). With implementation of the Proposed Project, the number of students, student capacity, or staff capacity would not increase, and therefore the Proposed Project would not generate wastewater in a significantly greater quantity than what it generates under existing conditions wastewater within the PUD service area. Consequently, the Proposed Project would not exceed the capacity of the existing wastewater treatment provider, and impacts to wastewater treatment facilities would be less than significant.

Water service is provided to the Project Site by the PUD's Water Branch through agreements with the San Diego County Water Authority, which is a member agency of the Metropolitan Water District. According to PUD's 2015 Urban Water Management Plan, normal year water supply for 2020 will be 200,984 acre-feet per year, or

approximately 179 mgd (PUD 2016). Construction of the Proposed Project would require the use of water for activities such as dust suppression and the mixing of concrete; however, any water usage during construction would be minimal and temporary. As described above, approval of traffic control plan and/or public right-of-way permits, as required, for construction work in the public right of way associated with the proposed new irrigation water connection would be required. Operation of the Proposed Project would not increase the number of students, student capacity, or staff capacity, and would result in water usage similar to existing conditions at the site. Sufficient water supplies are available to serve the irrigation system, as the school currently has water service. Natural turf areas used for active recreation would require watering approximately three times a week. It is anticipated that the District would install a new water meter and backflow preventer to accommodate irrigation for the natural turf multi-purpose field. The City is generally responsible for the provision and cost of water used to properly maintain the fields. According to the City's Municipal Code, PRD is exempt from watering time restrictions; however, it must comply with targeted water-use restrictions, including reductions of overall water use. Active recreational turf areas throughout the District are currently irrigated three times per week. However, in the future, if watering restrictions increase, watering may decrease to comply with meeting required conservation mandates (City of San Diego 2018). In addition, irrigation is permitted any day/time for the establishment, repair, and renovation of public-use fields for schools and parks. The City's PRD has conserved water during droughts. Overall, water usage in the city decreased significantly during the last drought, beyond the mandated reduction of 16 percent. PRD is applying new watering methodologies to irrigate responsibly within San Diego's various climate zones, and PRD is prioritizing water use on athletic fields such as joint-use areas. Therefore, the Proposed Project would not represent a new source of water demand within the PUD service area, and sufficient water supplies are available to serve the Proposed Project. Impacts on water supplies would be less than significant.

As previously mentioned above in Issue 10, during construction of the Proposed Project, exposed soil could temporarily increase the amount of sediment in runoff, which would enter the existing storm drain system. The Proposed Project would be required to obtain and comply with the Construction General Permit from the SWRCB consistent with CM-2, described above. Storm water BMPs would be required to limit erosion, minimize sedimentation, and control storm water runoff water quality during construction activities. Upon completion, the Project Site would include a drainage and erosion control feature located east of the JUF and would not require any new or expanded connections to existing off-site drainage infrastructure. The Project Site would continue to drain into the existing municipal storm drain system within the Project Site. The amount of storm water runoff from the site would not change substantially after implementation of the Proposed Project. Additionally, there would be no additional source of polluted runoff. Similarly, the Proposed Project would utilize existing connections for electric power, natural gas, and telecommunications facilities. As a result, impacts on the construction or expansion of storm water drainage facilities, electric power, natural gas, or telecommunications facilities would be less than significant.

b) **Less-than-Significant Impact.** Implementation of the Proposed Project would not increase the number of students, student capacity, staff, or affect operations at the existing school. The Proposed Project would include water-efficient upgrades to plumbing fixtures in several buildings, including upgrades to restroom toilets and sinks that have the potential to reduce water consumption. As detailed above in Issue 19 (a), sufficient water supplies are available to serve the irrigation system, as the school currently has water service. The upgrades to plumbing fixtures and addition of the irrigation system would not significantly increase water demand on the Project Site, and no new or expanded wastewater treatment facilities would be required. Therefore, impacts would be less than significant with implementation of the proposed project.

c) **Less-than-Significant Impact.** Improvements proposed for the school would not increase the number of students, student capacity, staff, or affect school operations. Therefore, the Proposed Project would not generate greater demand for wastewater treatment compared with existing conditions. As such, the wastewater treatment provider that currently serves the project would have adequate capacity to meet demand, and impacts on wastewater service would be less than significant.

d) **Less-than-Significant Impact.** The waste generated during construction of the Proposed Project would mainly consist of general construction debris (including from demolition of the southwest asphalt playground, demolition of ten portable classrooms, demolition and reconfiguration of the northeast parking lot, construction of the JUF, and modernization of all building with the exception of the library) and worker personal waste. All projects within the District are required to comply with Section 01 74 19, Construction Waste Management and Disposal, of the District's Standard Construction Specifications, which states that projects must achieve a salvage/recycling rate of 75% by weight of total non-hazardous solid waste generated by construction and/or demolition. During construction, efficient waste management in the use of materials must occur and all reasonable means must be utilized to divert construction and demolition waste from landfills and incinerators. All recyclable materials must be delivered to separated recycling facilities. Per Section 01 74 19, recycling and salvage of the following demolition and construction materials would occur: asphalt paving, concrete, concrete reinforcing steel, brick, concrete masonry units, wood studs, wood joists, plywood and oriented strand board, wood paneling, wood trim, structural and miscellaneous steel, rough hardware, roofing, insulation, doors and frames, door hardware, windows, glazing, metal studs, gypsum board, acoustical tile and panels, carpet, carpet pad, demountable partitions, equipment, cabinets, plumbing fixtures, piping, supports and hangers, valves, sprinklers, mechanical equipment, refrigerants, electrical conduit, copper wiring, lighting fixtures, lamps, ballasts, electrical devices, switchgear and panelboards, and transformers.

Similar to existing conditions, construction solid waste would be taken to the closest landfill to the project site, which is the Miramar Landfill, approximately 3.7 miles northeast of the Project Site. The Miramar Landfill has a permitted throughput of 8,000 tons per day and has a remaining capacity of approximately 15,527,878 cubic yards (CalRecycle 2019). The landfill's cease operation date is anticipated to be in the year

2025. Therefore, the landfill would have sufficient capacity to accommodate the Proposed Project's disposal needs. After completion of construction, solid waste generation would not be significantly greater than what currently exists at the site, as the Proposed Project would not increase capacity or affect operations. The Project Site would continue to be served by Miramar Landfill which has sufficient permitted capacity to accommodate the school's solid waste disposal needs. As a result, impacts would be less than significant.

e) **Less-than-Significant Impact.** As previously mentioned, the Proposed Project would be served by a permitted landfill capable of accommodating the school's solid waste. During construction, non-recyclable solid waste would be taken to a permitted landfill. During operation, the Proposed Project would continue to generate municipal solid waste that would be accepted by waste haulers and landfill operators. The school would continue to comply with federal, state, and local regulations related to solid waste. Therefore, impacts would be less than significant.

References

California Department of Resources Recycling and Recovery (CalRecyle). 2019. Facility Site Summary Details: West Miramar Sanitary Landfill. Available at https://www2.calrecycle.ca.gov/swfacilities/Directory/37-AA-0020/. Accessed September 2019.

City of San Diego Public Utilities Department (PUD). 2016. City of San Diego Urban Water Management Plan.

Wildfire

Issues (and Supporting Information Sources):	*Potentially Significant Impact*	*Less Than Significant with Mitigation Incorporated*	*Less Than Significant Impact*	*No Impact*
XX. WILDFIRE — If located in or near state responsibility areas or lands classified as very high fire hazard severity zones, would the project:				
a) Substantially impair an adopted emergency response plan or emergency evacuation plan?	☐	☐	☒	☐
b) Due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to, pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?	☐	☐	☒	☐
c) Require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?	☐	☐	☒	☐
d) Expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?	☐	☐	☒	☐

Discussion

a) **Less-than-Significant Impact**. According to the California Department of Forestry and Fire Protection's (CAL FIRE) Very High Fire Hazard Severity Zones (VHFHSZ) in Local Responsibility Area Map, the school site is located within a fire hazard severity zone (CAL FIRE 2009). However, the Project Site is within a developed urban area, and the Proposed Project would not alter the existing land use. While open space areas (Tecolote Canyon Natural Park) are located in proximity to the Project Site (approximately 600 feet east), all Project activities would occur within the already developed school property. As previously discussed above in Issue 9 (f), current access to the Project Site for emergency vehicles is provided from existing parking lots and a driveway on the corner of Ute Drive and Waco Street. Construction activities would occur within the Project Site but would not restrict access for emergency vehicles traveling to the school. During reconfiguration of the northeastern parking lot, emergency access would be provided from the northwestern and central parking lots. After construction of the Project, emergency access would be similar to existing conditions. As a result, implementation of the Proposed Project would not substantially impair an adopted emergency response plan or emergency evacuation plan, and impacts are considered to be less than significant.

b) **Less-than-Significant Impact**. As detailed above in Issue 20 (a), the Project Site is within a developed urban area. According to the CAL FIRE VHFHSZ in Local Responsibility Area Map, the Project Site is located within a fire hazard severity zone (CAL FIRE 2009). While construction activities include materials that are considered flammable, such as fuels and household cleaners, the handling and storage of such materials would be conducted in accordance to applicable regulations. In addition, the Proposed Project would be designed and constructed in accordance with the California

Fire Code. After completion of construction, the modernization activities would not change the ongoing operations at the school. The Proposed Project would occur on an existing developed school site, would not exacerbate wildfire risks, and would not expose people to pollutant concentrations from a wildfire or the spread of a wildfire. Therefore, impacts would be less than significant.

c) **Less-than-Significant Impact**. Construction of the Proposed Project would utilize existing infrastructure, including roads, water sources, and power lines surrounding the Project Site. Infrastructure is already established in the area, and would not exacerbate fire risk at the Project Site. Thus, impacts would be less than significant.

d) **Less-than-Significant Impact**. As stated in Issue 7, given the very dense condition of the underlying Lindavista formation, the potential for landslides is considered low. Additionally, based on a geotechnical evaluation prepared for a previous project, evidence of landslides or slope instabilities were not observed at the Project Site (MTGL, Inc. 2002). Further, the Project Site is not located within a flood hazard zone. As detailed above in Issue 10, construction of the Proposed Project would not result in significant impacts on the existing drainage pattern due to the implementation of BMPs that would minimize flooding and runoff. After the completion of construction, the addition of the site drainage and erosion feature and JUF would increase pervious surfaces and improve drainage at the Project Site. Drainage for the site would continue to be serviced by the existing storm drain system. Therefore, the Proposed Project would not expose people or structures to significant risk including downstream flooding or landslides as a result of runoff, post-fire slope stability, or drainage changes, and impacts would be less than significant.

References

California Department of Forestry and Fire Protection (CAL FIRE). 2009. San Diego Very High Fire Hazard Severity Zones in LRA.

MTGL, Inc. 2002. Preliminary Geotechnical Investigation Marston Middle School Library Addition.

Mandatory Findings of Significance

Issues (and Supporting Information Sources):	*Potentially Significant Impact*	*Less Than Significant with Mitigation Incorporated*	*Less Than Significant Impact*	*No Impact*
XXI. MANDATORY FINDINGS OF SIGNIFICANCE —				
a) Does the project have the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?	☐	☒	☐	☐
b) Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects)?	☐	☒	☐	☐
c) Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?	☐	☒	☐	☐

Discussion

a) **Less-Than-Significant Impact with Mitigation Incorporated.** As discussed above in Issue 4, the Project Site is developed as an operating school with a majority of the campus paved or graded, with shade trees throughout. Implementation of the Proposed Project would require the removal of nine ornamental trees, which provide suitable nesting habitat for migratory birds and urban-adapted raptors. With implementation of CM-3, potential impacts to nesting birds and raptors would be less than significant. No state or federally protected wetlands are present at the Project Site, and the Proposed Project would not interfere with the movement of wildlife and/or wildlife corridors. The Project would not result in impacts on biological resources that would have potential to degrade the quality of the environment, substantially reduce the habitat of fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, or substantially reduce the number or restrict the range of rare or endangered plants or animals. As discussed in Issue 5, in the unlikely event that archaeological resources are encountered they may qualify as historical or archaeological resources pursuant to CEQA. With the incorporation of CM-4, potential impacts to archaeological resources would be reduced to a less than significant level. Additionally, as discussed in Issue 5, Marston Middle School qualifies as a historical resource pursuant to CEQA. Implementation of **Mitigation Measures CUL-1 through CUL-3** would reduce impacts related to construction activities included as part of the Proposed Project to less than significant. Further, implementation of **Mitigation Measure TRI-1** would be required to minimize potential damage or loss of tribal cultural resources during project specific ground disturbing activities, and would reduce potential impacts to less than significant. Therefore, impacts would be less than significant with mitigation incorporated.

b) **Less-Than-Significant Impact with Mitigation Incorporated.** A cumulative impact would occur if the Proposed Project would result in an incrementally considerable contribution to a significant cumulative impact in consideration of past, present, and reasonably foreseeable future projects for each resource area. The Project would have no impact on a number of environmental issues including scenic vistas and highways, agricultural and forestry resources, wetlands, wildlife corridors, local policies and ordinances protecting trees, habitat conservation plans, septic tanks, flood flows, land use and planning, mineral resources, and displacement of people or housing. For these issue areas, as the Proposed Project would have no impact, it would also not contribute to a cumulatively significant impact. The Proposed Project would result in a less than significant impact in certain environmental issue areas (aesthetics, biology, cultural resources, energy, geology, greenhouse gas emissions, hazards and hazardous materials, hydrology and water quality, noise, population and housing, public services, recreation, utilities, and wildfire) but because of the location and nature of the Proposed Project, the Proposed Project would not contribute to a cumulatively significant impact. However, the Proposed Project could contribute to cumulatively significant impacts when considered together with other past, present, or reasonably foreseeable future projects in the vicinity of Marston Middle School for those areas in which a potentially significant impact has been identified. However, with implementation of Mitigation Measures CUL-1 through CUL-3, NOI-1, and TRI-1, the Project would not result in an incrementally considerable contribution to a significant cumulative impact. Therefore, cumulative impacts would be less than significant.

c) **Less-Than-Significant Impact with Mitigation Incorporated**. As discussed above, all identified potential impacts associated with the Proposed Project would be reduced to less than significant with implementation of mitigation measures. No direct or indirect significant and unavoidable impacts would occur with implementation of the Proposed Project. As a result, the Proposed Project would not cause a substantial adverse effect on human beings, either directly, or indirectly, with implementation of mitigation measures.

Appendix A
Air Quality Appendix

ESA

Air Quality Appendix
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1. Assumptions

Franklin School Project
Assumptions

CalEEMod Inputs (Non-Default information only)

Project Location		
County	San Diego	
Air District	SCAQMD	
Climate Zone	13	
Construction Year - Phase 1	2022	
Utility Provider	SDG&E	
Source Receptor Area (SCAQMD)	N/A	
EMFAC	2017	No operational mobile sources
		Mobile sources for Construction modeled outside of CalEEMod

	Base (2009)[1,2]	2017[3]	2019[4]	2020[4]	2022[4]	2030[4]
CO intensity	720	475.2	468.55	465.23	458.58	432
% renewable	10%	44.00%	44.92%	45.38%	46.31%	50.00%

% growth per year
0.46%

[1] Table 1.2, CalEEMod 2017 User Guide Appendix D

[2] CEC 2009 SDG&E Power Content Label

[3] CEC 2017 SCE Power Content Label

[4] CEC 2019 - Renewables Portfolio Standard (RPS); https://www.energy.ca.gov/portfolio/

Note that since SDG&E already exceeds the 33% RPS scenario in 2017 it is conservatively assumed there is an even growth in renewable between the 44% in 2017 and the 50% requirement by 2030.

Franklin School Project
Assumptions

Land Use	Building SQFT	Building KFS	students	Acres	
Existing (only includes those uses to be re-developed, or renovated)					
Existing Portable	3,840	3.84		0.43	demolished
Bldg 04-05 & 05-06	6,895	6.90		1.00	demolished
Bldg 02-03, 01-01, 02-02	24,433	24.43		0.63	Modernized
Bldg 06-07	2,379				Not modeled
		35.17			
Proposed Development					
School Building	13,400	13.40		0.31	
Hardscape (Asphalt)	59,597	59.60		1.12	
Added Portables (3,4 and 5)	3,840	3.84			demolished

Note: Total site acreage is 4.

New Hardscape

77,245	sqft - Total Asphalt Area
1,258	sqft LCS building
2,911	Library
13,479	New Classroom
59,597	New Asphalt

Franklin School Project
Assumptions

Construction

Construction Schedule Source: CalEEMod defaults

Task Name	Start	End	Days	
Phase 1	1/1/2021			
Add Portable Classrooms	1/1/2021	1/20/2021	14	
Site Modernization	1/1/2021	1/20/2021	14	
Demolition (Buildings 04-05/05-06)	1/21/2021	2/17/2021	20	
Phase 2				
Grading	2/18/2021	2/24/2021	5	
Site Modernization	1/21/2021	2/24/2021	25	
Building Construction	2/25/2021	12/1/2021	200	
Architectural Coating	11/25/2021	12/8/2021	10	
Paving	11/25/2021	12/8/2021	10	
Demolition (Portable 2)	12/9/2021	12/11/2021	2	
Phase 3				
Site Modernization	2/25/2021	12/8/2021	205	244
SM - Architectural Coating	6/1/2021	10/18/2021	100	251
Demolition (Portables 1, 3, 4)	12/12/2021	12/18/2021	5	

Notes:

1 Assumes Site Modernization will occur across all three phases.

2. Construction Timing

Allowable Hours: Source: Project Description

Mon-Fri 7 am to 7 pm

3. Soil Import/export Assumed all cut and fill is balanced onsite

4. Demolition Information Source:

1 Google Earth
2 Project Specific Small Scale Plot Plan
3 CalEEMod user guide Appendix A pg 13
4 City of San Diego Construction & Demolition Debris Conversion Rate Table, 5/21/08

square foot	
62,319.55	total demolition area[1]
7696.27	Buildings[2]
54,623.28	Area of Hard scape to be demolished

Franklin School Project
Assumptions

	Phase 1	Phase 2	Phase 3
sqft building demolished	6,895	1,920	5,760
tons per square foot[3]	0.046	0.046	0.046
tons of building debris	317	88	265
square feet of asphalt to be demolished[1,2]	54,623	0	0
depth in feet of existing asphalt	0.5	0.5	0.5
cubic yards to be demolished	1,012	0	0
tons per cubic yard[4]	0.7	0.7	0.7
tons of asphalt debris	708.075926	0	0
Total tons of debris	1025	88	265

5. Construction Vehicles Source: CalEEMod Defaults

Phase 1	Worker Trips (per day)	Vendor Trips (per day)	Haul Trips (total)
Add Portable Classrooms	16	0	10
Demolition (Buildings 04-05/05-06)	13	0	205
Site Modernization	20	4	0
Phase 2			
Grading	8	0	0
Site Modernization	20	4	0
Building Construction	26	10	0
Architectural Coating	5	0	0
Paving	13	0	0
Demolition (Portable 2)	8	0	6
Phase 3			
Site Modernization	20	4	0
SM - Arch Coating	4	0	0
Demolition (Portables 1, 3, 4)	8	0	15
Trip Length (miles/trip)	10.8	7.3	20

Franklin School Project
Assumptions

Note: Construction vehicle emissions calculated outside of CalEEMod

6. Construction Equipment by Construction Phase Source: CalEEMod Defaults

New Building

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
P1 - Add Portable Classrooms	Graders	0	8.00	187	0.41
P1 - Add Portable Classrooms	Rubber Tired Dozers	0	7.00	247	0.40
P1 - Add Portable Classrooms	Tractors/Loaders/ Backhoes	0	8.00	97	0.37
P1 - Demolition (Buildings 04-05/05-06)	Concrete/Industrial Saws	1	8.00	81	0.73
P1 - Demolition (Buildings 04-05/05-06)	Rubber Tired Dozers	1	8.00	247	0.40
P1 - Demolition (Buildings 04-05/05-06)	Tractors/Loaders/ Backhoes	3	8.00	97	0.37
P2 - Grading	Graders	1	6.00	187	0.41
P2 - Grading	Rubber Tired Dozers	1	6.00	247	0.40
P2 - Grading	Tractors/Loaders/ Backhoes	1	7.00	97	0.37
P2 - Building Construction	Cranes	1	6.00	231	0.29
P2 - Building Construction	Forklifts	1	6.00	89	0.20
P2 - Building Construction	Generator Sets	1	8.00	84	0.74
P2 - Building Construction	Tractors/Loaders/ Backhoes	1	6.00	97	0.37
P2 - Building Construction	Welders	3	8.00	46	0.45
P2 - Paving	Cement and Mortar Mixers	1	6.00	9	0.56
P2 - Paving	Pavers	1	6.00	130	0.42
P2 - Paving	Paving Equipment	1	8.00	132	0.36
P2 - Paving	Rollers	1	7.00	80	0.38
P2 - Paving	Tractors/Loaders/ Backhoes	1	8.00	97	0.37
P2 - Architectural Coating	Air Compressors	1	6.00	78	0.48
P2 - Demolition (Portable 2)	Concrete/Industrial Saws	1	8.00	81	0.73
P2 - Demolition (Portable 2)	Rubber Tired Dozers	1	8.00	247	0.40
P2 - Demolition (Portable 2)	Tractors/Loaders/ Backhoes	1	8.00	97	0.37
P3 - Demolition (Portables 1, 3, and 4)	Concrete/Industrial Saws	1	8.00	81	0.73
P3 - Demolition (Portables 1, 3, and 4)	Rubber Tired Dozers	1	8.00	247	0.40
P3 - Demolition (Portables 1, 3, and 4)	Tractors/Loaders/ Backhoes	1	8.00	97	0.37

Franklin School Project
Assumptions

Modernization

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Aerial Lifts	1	4	63	0.31
Building Construction	Air Compressors	2	6	78	0.48
Building Construction	Cranes	0	4	231	0.29
Building Construction	Forklifts	0	6	89	0.2
Building Construction	Tractors/Loaders/ Backhoes	0	8	97	0.37
Architectural Coating	Air Compressors	1	6	78	0.48

Franklin School Project
Operational Assumptions

Mobile source emissions

- No New Studetns or Faculty, no new mobile source emissions.

Area source emissions

-Defaults Used

Water and Wastewater

Existing (removed):	1,407	gallons per day
	513,453	gallons per year
New Development:	536	gallons per day
	195,640	gallons per year
Remodel:	977	gallons per day
	356,722	gallons per year

*conservately assumes all water is indoor use

Information in the Utilities Section is based on City of San Diego PUD Sewer Design Guide, schools generate approximately 0.04 gallons per day (gpd) of wastewater per square foot (District 2018).

% septic	% Aerobic	% Lagoon		*No septic onsite
10.33	87.46	2.21	Default	
0	97.54	2.46	Revised	

Solid Waste

Source Utilities Section

Existing (removed):	52.75	Tons per year
New Development:	20.10	Tons per year
Remodel:	36.65	Tons per year

Information in Utilities Seciton is base on City of San Diego's Guidelines for a Waste Management Plan, the average waste generation rate for solid waste generated during ongoing use of a site is approximately 3 pounds per square foot.

Franklin School Project
Operational Assumptions

Stationary Sources

None

Energy Use

Existing:

Electricity: Historic defaults Used.
Natural Gas: Historic defaults Used.

New Building:

Electricity: Defaults Used and adjusted for Title 24 changes.
Natural Gas: Defaults Used and adjusted for Title 24 changes.

Modernization:

Electricity: Historic defaults Used, mitigated to add 5% energy efficiency for modernization efforts.
Natural Gas: Historic defaults Used, mitigated to add 5% energy efficiency for modernization efforts.

CalEEMod currently uses Title 24 efficiency standards. The project will be built post 2019 therefore as a conservative estimate of T24 efficiencies required, the emission factors are updated to account for the inclusion of 2019 Title 24 standards.

% Change between 2016 T24 (CalEEMod Default), 2013 T24 and 2019 Title 24

	T24 Electricity	**Lighting**	**T24 NG**
Non-Residential 2019	30%	0%	30%

Default	**T24 Electricity**	**Lighting**	**T24 NG**
Elementary School	1.52	2.54	5.44

Revised	New Building		
	T24E	**Lighting**	**T24 NG**
	1.064	2.54	3.808

Franklin School Project
Operational Assumptions

CalEEMod Run Titles

Operational		Date
Existing:	Franklin School -Existing Conditions	8/21/2019
Project:	Franklin School - New Classroom Building	8/21/2019
	Franklin School - Site Modernization	8/21/2019

Phase 1
Add Portable Classrooms
Demolition (Buildings 04-05/05-06)
Site Modernization
Phase 2
Grading
Site Modernization
Building Construction
Architectural Coating
Paving
Demolition (Portable 2)
Phase 3
Site Modernization
SM - Arch Coating
Demolition of Portables 1, 3, and 4

2. Unmitigated Construction Emissions

Franklin School Project

Maximum Daily Unmitigated Construction Emissions

CalEEMod 2016.3.2 Title: Construction Emissions Summary

EMFAC 2017 Mobile Construction Emissions Spreadsheet

Unmitigated - Construction

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
		Max Daily (lbs/day)					
Phase 1 - 2020							
Port. Class	Total	<1	1	<1	<1	<1	<1
Site Mod	Total	6	5	7	<1	1	<1
Demolition	Total	2	26	16	<1	3	1
Phase 2 - 2021							
Grading	Total	1	14	6	<1	6	3
Site Mod	Total	6	5	7	<1	1	<1
Building Construction	Total	2	14	14	<1	1	1
Paving	Total	1	8	9	<1	1	<1
Arch. Coat	Total	35	2	2	<1	<1	<1
Demolition (Portable 2)	Total	2	16	10	<1	1	1
Phase 3 - 2021							
Site Mod	Total	6	5	7	<1	1	<1
Site Mod - Arch Coating	Total	6	2	2	<1	<1	<1
Demolition (Portables 1, 3, and 4)	Total	2	16	10	<1	1	1
Maximum Emissions by Phase Overlap							
Phase 1 Overlap	Total	6	6	7	0	1	0
Phase 2 Overlap	Total	44	29	31	0	2	1
Phase 3 Overlap	Total	12	7	8	0	1	0
Maximum Emissions by Project Phase							
Phase 1	Total	6	6	7	<1	1	<1
Phase 2	Total	44	29	31	<1	2	1
Phase 3	Total	12	7	8	<1	1	0
	Threshold	75	250	550	520	100	55
	Exceed Threshold?	No	No	No	No	No	No

Franklin School Project

Maximum Daily Unmitigated Construction Emissions

Inputs for Health Risk

Phase	Start	End	# days	Onsite lbs/day PM10	Vendor lbs/day PM10	Haul lbs/day PM10
Add Portable Classrooms				0.000	0.000	0.009
Demolition (Buildings 04-05/05-06)				1.041	0.000	0.088
Grading				0.638	0.000	0.000
Building Construction				0.684	0.011	0.000
Architectural Coating				0.094	0.000	0.000
Paving				0.4153	0.00	0.00
Demolition (Portable 2)				0.8174	0	0
Site Modernization				0.1939	0	0
SM - Architectural Coating				0.0941	0	0
Demolition (Portables 1, 3, 4)				0.8174	0	0

Franklin School Project

Maximum Daily Unmitigated Construction Emissions

Unmitigated - Construction

		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
		(lbs/day)									
Phase 1 - 2020											
Port. Class	Total	0.02736	0.59346	0.45838	0.00305	0.25948	0.00921	0.2687	0.05734	0.00607	0.06341
	Onsite	0	0	0	0	0.0758	0	0.0758	0.00818	0	0.00818
	Offsite	0.03	0.59	0.46	0.00	0.18	0.01	0.19	0.05	0.01	0.06
Site Mod	Total	6.36012	5.16186	6.5712	0.01232	0.2239	0.29347	0.51737	0.05996	0.29214	0.35209
	Onsite	6.34	4.88	6.00	0.01	0.00	0.29	0.29	0.00	0.29	0.29
	Offsite	0.02	0.28	0.57	0.00	0.22	0.01	0.23	0.06	0.00	0.06
Demolition	Total	2.21029	25.558	16.0293	0.04472	1.75858	1.1294	2.88797	0.34484	1.02807	1.37291
	Onsite	1.99	19.70	14.49	0.02	1.11	1.04	2.15	0.17	0.97	1.14
	Offsite	0.22	5.86	1.54	0.02	0.65	0.09	0.74	0.18	0.06	0.23
Phase 2 - 2021											
Grading	Total	1.29	14.34	6.49944	0.01467	4.90034	0.63825	5.53859	2.5344	0.58722	3.12162
	Onsite	1.29	14.33	6.33	0.01	4.83	0.64	5.47	2.52	0.59	3.10
	Offsite	0.00	0.01	0.17	0.00	0.07	0.00	0.07	0.02	0.00	0.02
Site Mod	Total	6.36012	5.16186	6.5712	0.01232	0.22	0.29347	0.51737	0.05996	0.29214	0.35209
	Onsite	6.34	4.88	6.00	0.01	0.00	0.29	0.29	0.00	0.29	0.29
	Offsite	0.02	0.28	0.57	0.00	0.22	0.01	0.23	0.06	0.00	0.06
Building Construction	Total	1.85345	14.2782	13.614	0.02608	0.28079	0.69648	0.97727	0.07594	0.67076	0.7467
	Onsite	1.81	13.64	12.90	0.02	0.00	0.68	0.68	0.00	0.66	0.66
	Offsite	0.04	0.64	0.71	0.00	0.28	0.01	0.29	0.08	0.01	0.09
Paving	Total	1.07289	7.76533	9.12996	0.01443	0.10666	0.41587	0.52254	0.02828	0.38353	0.4118
	Onsite	1.07	7.74	8.86	0.01	0.00	0.42	0.42	0.00	0.38	0.38
	Offsite	0.01	0.02	0.27	0.00	0.11	0.00	0.11	0.03	0.00	0.03
Arch. Coat	Total	34.6672	1.5357	1.92262	0.00333	0.04102	0.09432	0.13534	0.01088	0.0943	0.10518
	Onsite	34.67	1.53	1.82	0.00	0.00	0.09	0.09	0.00	0.09	0.09
	Offsite	0.00	0.01	0.11	0.00	0.04	0.00	0.04	0.01	0.00	0.01
Demolition (Portable 2)	Total	1.64243	16.4842	10.2624	0.02038	1.07134	0.82626	1.8976	0.17616	0.77155	0.94771
	Onsite	1.6185	15.905	9.9721	0.0179	0.9533	0.8174	1.7707	0.1444	0.7658	0.9102
	Offsite	0.02	0.58	0.29	0.00	0.12	0.01	0.13	0.03	0.01	0.04
Phase 3 - 2021											
Site Mod	Total	6.36012	5.16186	6.5712	0.01232	0.2239	0.29347	0.51737	0.05996	0.29214	0.35209
	Onsite	6.34	4.88	6.00	0.01	0.00	0.29	0.29	0.00	0.29	0.29
	Offsite	0.02	0.28	0.57	0.00	0.22	0.01	0.23	0.06	0.00	0.06
Site Mod - Arch Coating	Total	5.88	1.53392	1.90162	0.00326	0.03282	0.09428	0.1271	0.0087	0.09426	0.10296
	Onsite	5.88	1.53	1.82	0.00	0.00	0.09	0.09	0.00	0.09	0.09
	Offsite	0.00	0.01	0.08	0.00	0.03	0.00	0.03	0.01	0.00	0.01
Demolition (Portables 1, 3, and 4)	Total	1.64	16.4842	10.2624	0.02038	1.26634	0.82626	2.0926	0.20566	0.77155	0.97721
	Onsite	1.62	15.91	9.97	0.02	1.15	0.82	1.97	0.17	0.77	0.94
	Offsite	0.02	0.58	0.29	0.00	0.12	0.01	0.13	0.03	0.01	0.04

Franklin School Project

Maximum Daily Unmitigated Construction Emissions

		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
		lbs/day									
		Phase 1									
Port. Class	Fugitive Dust					0.0758	0	0.0758	8.18E-03	0	8.18E-03
	Off-Road	0	0	0	0		0	0		0	0
	Hauling	0.02	0.56	0.12	0.00	0.05	0.01	0.06	0.01	0.01	0.02
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Worker	0.01	0.03	0.34	0.00	0.13	0.00	0.13	0.03	0.00	0.04
Site Mod	Fugitive Dust					0	0	0	0	0	0
	Off-Road	0.4565	3.354	4.1821	6.78E-03		0.1939	0.1939		0.1935	0.1935
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.01	0.24	0.07	0.00	0.03	0.00	0.03	0.01	0.00	0.01
	Worker	0.01	0.04	0.42	0.00	0.16	0.00	0.16	0.04	0.00	0.04
Demolition	Fugitive Dust					1.1104	0	1.1104	0.1682	0	0.1682
	Off-Road	1.993	19.6966	14.4925	0.0241		1.0409	1.0409		0.9715	0.9715
	Hauling	0.21	5.84	1.26	0.02	0.54	0.09	0.63	0.15	0.06	0.20
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Worker	0.01	0.02	0.27	0.00	0.11	0.00	0.11	0.03	0.00	0.03
	Phase 2										
Grading	Fugitive Dust					4.8347	0	4.8347	2.517	0	2.517
	Off-Road	1.2884	14.3307	6.3314	0.0141		0.6379	0.6379		0.5869	0.5869
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Worker	0.00	0.01	0.17	0.00	0.07	0.00	0.07	0.02	0.00	0.02
Site Mod	Fugitive Dust	0	0	0	0	0	0	0	0	0	0
	Off-Road	0.4565	3.354	4.1821	0.00678	0	0.1939	0.1939	0	0.1935	0.1935
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.01	0.24	0.07	0.00	0.03	0.00	0.03	0.01	0.00	0.01
	Worker	0.01	0.04	0.42	0.00	0.16	0.00	0.16	0.04	0.00	0.04
Building Construction	Fugitive Dust					0	0	0	0	0	0
	Off-Road	1.8125	13.6361	12.8994	0.0221		0.6843	0.6843		0.6608	0.6608
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.03	0.60	0.17	0.00	0.07	0.01	0.08	0.02	0.01	0.03
	Worker	0.01	0.05	0.55	0.00	0.21	0.00	0.21	0.06	0.00	0.06

Franklin School Project

Maximum Daily Unmitigated Construction Emissions

		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
		lbs/day									
		Phase 2									
Paving	Off-Road	0.7739	7.7422	8.8569	0.0135		0.4153	0.4153		0.383	0.383
	Paving	0.2934					0	0		0	0
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Worker	0.01	0.02	0.27	0.00	0.11	0.00	0.11	0.03	0.00	0.03
Arch. Coat	Arch. Coating	34.4462					0	0		0	0
	Off-Road	0.2189	1.5268	1.8176	2.97E-03		0.0941	0.0941		0.0941	0.0941
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Worker	0.00	0.01	0.11	0.00	0.04	0.00	0.04	0.01	0.00	0.01
Demolition (Portable 2)	Fugitive Dust					0.9533	0	0.9533	0.1444	0	0.1444
	Off-Road	1.6185	15.905	9.9721	0.0179		0.8174	0.8174		0.7658	0.7658
	Hauling	0.02	0.56	0.12	0.00	0.05	0.01	0.06	0.01	0.01	0.02
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Worker	0.00	0.01	0.17	0.00	0.07	0.00	0.07	0.02	0.00	0.02
		Phase 3									
Site Mod	Fugitive Dust	0	0	0	0	0	0	0	0	0	0
	Off-Road	0.4565	3.354	4.1821	0.00678	0	0.1939	0.1939	0	0.1935	0.1935
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.01	0.24	0.07	0.00	0.03	0.00	0.03	0.01	0.00	0.01
	Worker	0.01	0.04	0.42	0.00	0.16	0.00	0.16	0.04	0.00	0.04
SM - Arch. Coat	Arch. Coating	5.6625					0	0		0	0
	Off-Road	0.2189	1.5268	1.8176	2.97E-03		0.0941	0.0941		0.0941	0.0941
	Hauling	0	0	0	0.00E+00	0	0.00E+00	0	0.00E+00	0.00E+00	0.00E+00
	Vendor	0	0	0	0.00E+00	0	0.00E+00	0	0	0.00E+00	0
	Worker	0.001719	0.007118	0.08402	2.87E-04	0.03282	1.76E-04	0.032996	0.0087	1.62E-04	0.008862
Demolition (Portable 1,3, and 4)	Fugitive Dust					1.1483	0	1.1483	0.1739	0	0.1739
	Off-Road	1.6185	15.905	9.9721	0.0179		0.8174	0.8174		0.7658	0.7658
	Hauling	0.02	0.56	0.12	0.00	0.05	0.01	0.06	0.01	0.01	0.02
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Worker	0.00	0.01	0.17	0.00	0.07	0.00	0.07	0.02	0.00	0.02

3. Mitigated Construction Emissions

Franklin School Project

Maximum Daily Mitigated Construction Emissions - Tier 3 with DPF

CalEEMod 2016.3.2 Title: Construction Emissions Sumary - Tier 3 w/DPF

EMFAC 2017 Mobile Construction Emissions Spreadsheet

Unmitigated - Construction

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
		Max Daily (lbs/day)					
Phase 1 - 2020							
Port. Class	Total	<1	1	<1	<1	<1	<1
Site Mod	Total	6	5	7	<1	<1	<1
Demolition	Total	1	18	17	<1	1	<1
Phase 2 - 2021							
Grading	Total	<1	7	8	<1	2	1
Site Mod	Total	6	5	7	<1	<1	<1
Building Construction	Total	1	8	14	<1	<1	<1
Paving	Total	1	7	10	<1	<1	<1
Arch. Coat	Total	35	1	2	<1	<1	<1
Demolition (Portable 2)	Total	<1	9	11	<1	<1	<1
Phase 3 - 2021							
Site Mod	Total	6	5	7	<1	<1	<1
Site Mod - Arch Coating	Total	6	1	2	<1	<1	<1
Demolition (Portables 1, 3, and 4)	Total	<1	9	11	<1	1	<1
Maximum Emissions by Phase Overlap							
Phase 1 Overlap	Total	6	5	7	0	0	0
Phase 2 Overlap	Total	42	21	33	0	0	0
Phase 3 Overlap	Total	12	6	9	0	0	0
Maximum Emissions by Project Phase							
Phase 1	Total	6	5	7	<1	0	<1
Phase 2	Total	42	21	33	<1	0	0
Phase 3	Total	12	6	9	<1	0	0
	Threshold	75	250	550	520	100	55
	Exceed Threshold?	No	No	No	No	No	No

Franklin School Project

Maximum Daily Mitigated Construction Emissions - Tier 3 with DPF

Unmitigated - Construction

		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
		(lbs/day)									
Phase 1 - 2020											
Port. Class	Total	0.02736	0.59346	0.45838	0.00305	0.21608	0.00921	0.2253	0.05266	0.00607	0.05873
	Onsite	0	0	0	0	0.0324	0	0.0324	0.0035	0	0.0035
	Offsite	0.03	0.59	0.46	0.00	0.18	0.01	0.19	0.05	0.01	0.06
Site Mod	Total	5.88362	4.82396	6.706	0.01232	0.2239	0.05327	0.27717	0.05996	0.05234	0.11229
	Onsite	5.86	4.54	6.13	0.01	0.00	0.05	0.05	0.00	0.05	0.05
	Offsite	0.02	0.28	0.57	0.00	0.22	0.01	0.23	0.06	0.00	0.06
Demolition	Total	0.77939	17.9647	16.9522	0.04472	1.12288	0.1962	1.31907	0.24854	0.16427	0.41281
	Onsite	0.56	12.10	15.42	0.02	0.47	0.11	0.58	0.07	0.11	0.18
	Offsite	0.22	5.86	1.54	0.02	0.65	0.09	0.74	0.18	0.06	0.23
Phase 2 - 2021											
Grading	Total	0.35	6.92	8.25214	0.01467	2.13244	0.04695	2.17939	1.0934	0.04692	1.14032
	Onsite	0.35	6.90	8.08	0.01	2.07	0.05	2.11	1.08	0.05	1.12
	Offsite	0.00	0.01	0.17	0.00	0.07	0.00	0.07	0.02	0.00	0.02
Site Mod	Total	5.88362	4.82396	6.706	0.01232	0.2239	0.05327	0.27717	0.05996	0.05234	0.11229
	Onsite	5.86	4.54	6.13	0.01	0.00	0.05	0.05	0.00	0.05	0.05
	Offsite	0.02	0.28	0.57	0.00	0.22	0.01	0.23	0.06	0.00	0.06
Building Construction	Total	0.56275	8.17455	13.8387	0.02608	0.28079	0.09448	0.37527	0.07594	0.09226	0.1682
	Onsite	0.52	7.53	13.12	0.02	0.00	0.08	0.08	0.00	0.08	0.08
	Offsite	0.04	0.64	0.71	0.00	0.28	0.01	0.29	0.08	0.01	0.09
Paving	Total	0.66259	6.93913	10.3555	0.01443	0.10666	0.06927	0.17594	0.02828	0.06923	0.0975
	Onsite	0.66	6.92	10.08	0.01	0.00	0.07	0.07	0.00	0.07	0.07
	Offsite	0.01	0.02	0.27	0.00	0.11	0.00	0.11	0.03	0.00	0.03
Arch. Coat	Total	34.5077	1.3659	1.93742	0.00333	0.04102	0.01452	0.05554	0.01088	0.0145	0.02538
	Onsite	34.51	1.36	1.83	0.00	0.00	0.01	0.01	0.00	0.01	0.01
	Offsite	0.00	0.01	0.11	0.00	0.04	0.00	0.04	0.01	0.00	0.01
Demolition (Portable 2)	Total	0.41192	8.64172	10.8153	0.01819	0.44032	0.07148	0.5118	0.0704	0.07146	0.14186
	Onsite	0.4102	8.6346	10.7313	0.0179	0.4075	0.0713	0.4788	0.0617	0.0713	0.133
	Offsite	0.00	0.01	0.08	0.00	0.03	0.00	0.03	0.01	0.00	0.01
Phase 3 - 2021											
Site Mod	Total	5.88362	4.82396	6.706	0.01232	0.2239	0.05327	0.27717	0.05996	0.05234	0.11229
	Onsite	5.86	4.54	6.13	0.01	0.00	0.05	0.05	0.00	0.05	0.05
	Offsite	0.02	0.28	0.57	0.00	0.22	0.01	0.23	0.06	0.00	0.06
Site Mod - Arch Coating	Total	5.72	1.36412	1.91642	0.00326	0.03282	0.01448	0.0473	0.0087	0.01446	0.02316
	Onsite	5.72	1.36	1.83	0.00	0.00	0.01	0.01	0.00	0.01	0.01
	Offsite	0.00	0.01	0.08	0.00	0.03	0.00	0.03	0.01	0.00	0.01
Demolition (Portables 1, 3, and 4)	Total	0.43	9.21383	11.0216	0.02038	0.59224	0.08016	0.6724	0.10356	0.07705	0.18061
	Onsite	0.41	8.63	10.73	0.02	0.47	0.07	0.55	0.07	0.07	0.14
	Offsite	0.02	0.58	0.29	0.00	0.12	0.01	0.13	0.03	0.01	0.04

Franklin School Project

Maximum Daily Mitigated Construction Emissions - Tier 3 with DPF

		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
		lbs/day									
		Phase 1									
Port. Class	Fugitive Dust					0.0324	0	0.0324	3.50E-03	0	3.50E-03
	Off-Road	0	0	0	0		0	0		0	0
	Hauling	0.02	0.56	0.12	0.00	0.05	0.01	0.06	0.01	0.01	0.02
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Worker	0.01	0.03	0.34	0.00	0.13	0.00	0.13	0.03	0.00	0.04
Site Mod	Fugitive Dust										
	Off-Road	0.1395	3.1859	4.3021	6.78E-03		0.0335	0.0335		0.0335	0.0335
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.01	0.24	0.07	0.00	0.03	0.00	0.03	0.01	0.00	0.01
	Worker	0.01	0.04	0.42	0.00	0.16	0.00	0.16	0.04	0.00	0.04
Demolition	Fugitive Dust					0.4747	0	0.4747	0.0719	0	0.0719
	Off-Road	0.5621	12.1033	15.4154	0.0241		0.1077	0.1077		0.1077	0.1077
	Hauling	0.21	5.84	1.26	0.02	0.54	0.09	0.63	0.15	0.06	0.20
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Worker	0.01	0.02	0.27	0.00	0.11	0.00	0.11	0.03	0.00	0.03
Phase 2											
Grading	Fugitive Dust					2.0668	0	2.0668	1.076	0	1.076
	Off-Road	0.345	6.9025	8.0841	0.0141		0.0466	0.0466		0.0466	0.0466
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Worker	0.00	0.01	0.17	0.00	0.07	0.00	0.07	0.02	0.00	0.02
Site Mod	Fugitive Dust	0	0	0	0	0	0	0	0	0	0
	Off-Road	0.1395	3.1859	4.3021	0.00678	0	0.0335	0.0335	0	0.0335	0.0335
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.01	0.24	0.07	0.00	0.03	0.00	0.03	0.01	0.00	0.01
	Worker	0.01	0.04	0.42	0.00	0.16	0.00	0.16	0.04	0.00	0.04
Building Construction	Fugitive Dust					0	0	0	0	0	0
	Off-Road	0.5218	7.5324	13.1241	0.0221		0.0823	0.0823		0.0823	0.0823
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.03	0.60	0.17	0.00	0.07	0.01	0.08	0.02	0.01	0.03
	Worker	0.01	0.05	0.55	0.00	0.21	0.00	0.21	0.06	0.00	0.06
		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
		lbs/day									
		Phase 2									
Paving	Off-Road	0.3636	6.916	10.0824	0.0135		0.0687	0.0687		0.0687	0.0687
	Paving	0.2934					0	0		0	0
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Worker	0.01	0.02	0.27	0.00	0.11	0.00	0.11	0.03	0.00	0.03

Franklin School Project

Maximum Daily Mitigated Construction Emissions - Tier 3 with DPF

Arch. Coat	Arch. Coating	34.4462					0	0		0	0
	Off-Road	0.0594	1.357	1.8324	2.97E-03		1.43E-02	1.43E-02		1.43E-02	1.43E-02
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Worker	0.00	0.01	0.11	0.00	0.04	0.00	0.04	0.01	0.00	0.01
Demolition (Portable 2)	Fugitive Dust					0.4075	0	0.4075	6.17E-02	0	6.17E-02
	Off-Road	0.4102	8.6346	10.7313	0.0179		0.0713	0.0713		0.0713	0.0713
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Worker	0.00	0.01	0.08	0.00	0.03	0.00	0.03	0.01	0.00	0.01
Phase 3											
Site Mod	Fugitive Dust	0	0	0	0	0	0	0	0	0	0
	Off-Road	0.1395	3.1859	4.3021	0.00678	0	0.0335	0.0335	0	0.0335	0.0335
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.01	0.24	0.07	0.00	0.03	0.00	0.03	0.01	0.00	0.01
	Worker	0.01	0.04	0.42	0.00	0.16	0.00	0.16	0.04	0.00	0.04
SM - Arch. Coat	Arch. Coating	5.6625					0	0		0	0
	Off-Road	0.0594	1.357	1.8324	2.97E-03		0.0143	0.0143		0.0143	0.0143
	Hauling	0	0	0	0.00E+00	0	0.00E+00	0	0.00E+00	0.00E+00	0.00E+00
	Vendor	0	0	0	0.00E+00	0	0.00E+00	0	0	0.00E+00	0
	Worker	0.001719	0.007118	0.08402	2.87E-04	0.03282	1.76E-04	0.032996	0.0087	1.62E-04	0.008862
Demolition (Portable 1,3, and 4)	Fugitive Dust					0.4742	0	0.4742	0.0718	0	0.0718
	Off-Road	0.4102	8.6346	10.7313	0.0179		0.0713	0.0713		0.0713	0.0713
	Hauling	0.02	0.56	0.12	0.00	0.05	0.01	0.06	0.01	0.01	0.02
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Worker	0.00	0.01	0.17	0.00	0.07	0.00	0.07	0.02	0.00	0.02

4. Unmitigated Operational Emissions

Franklin School Project
Unmitigated Operational Impacts

CalEEMod 2016.3.2

Title: Franklin School -Existing Conditions — Date: 8/21/2019
Franklin School - New Classroom Building — 8/21/2019
Franklin School - Site Modernization — 8/21/2019

Unmitigated Emissions - Net Emissions (Project minus Existing)

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
			Max (Lbs/day)			
Area	*0.10*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
Energy	*0.00*	*-0.01*	*0.00*	*0.00*	*0.00*	*0.00*
Mobile	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
Total	***0***	***-0.01***	***0.00***	***0.00***	***0.00***	***0.00***
Thresholds						
Exceeds Thresholds?						

Franklin School Project
Unmitigated Operational Impacts - Existing

Unmitigated Emissions - Max Existing

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
			Max (Lbs/day)			
Area	*0.98*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
Energy	*0.01*	*0.07*	*0.05*	*0.00*	*0.00*	*0.00*
Mobile	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
Total	***0.98***	***0.07***	***0.06***	***0.00***	***0.00***	***0.00***

0.00003

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
					Winter (lbs/day)					
Area	0.9763	3.00E-05	3.63E-03	0		1.00E-05	1.00E-05		1.00E-05	1.00E-05
Energy	7.15E-03	0.065	0.0546	3.90E-04		4.94E-03	4.94E-03		4.94E-03	4.94E-03
Mobile	0	0	0	0	0	0	0	0	0	0
Total	**0.9834**	**0.065**	**0.0582**	**3.90E-04**	**0**	**4.95E-03**	**4.95E-03**	**0**	**4.95E-03**	**4.95E-03**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
					Summer (lbs/day)					
Area	0.9763	3.00E-05	3.63E-03	0		1.00E-05	1.00E-05		1.00E-05	1.00E-05
Energy	7.15E-03	0.065	0.0546	3.90E-04		4.94E-03	4.94E-03		4.94E-03	4.94E-03
Mobile	0	0	0	0	0	0	0	0	0	0
Total	**0.9834**	**0.065**	**0.0582**	**3.90E-04**	**0**	**4.95E-03**	**4.95E-03**	**0**	**4.95E-03**	**4.95E-03**

Franklin School Project
Unmitigated Operational Impacts - Project

Unmitigated Emissions - Max Project

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
	Max (Lbs/day)					
Area	*1.08*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
Energy	*0.01*	*0.06*	*0.05*	*0.00*	*0.00*	*0.00*
Mobile	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
Total	***1.08***	***0.06***	***0.05***	***0.00***	***0.00***	***0.00***

Note: Modernization emissions are taken from the "Mitigated" Scenario to account for increased energy efficiency.

New Building

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
	Winter (lbs/day)									
Area	0.3986	1.00E-05	1.48E-03	0		1.00E-05	1.00E-05		1.00E-05	1.00E-05
Energy	1.70E-03	0.0154	0.013	9.00E-05		1.17E-03	1.17E-03		1.17E-03	1.17E-03
Mobile	0	0	0	0	0	0	0	0	0	0
Total	**0.4003**	**0.0155**	**0.0145**	**9.00E-05**	**0**	**1.18E-03**	**1.18E-03**	**0**	**1.18E-03**	**1.18E-03**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
	Summer (lbs/day)									
Area	0.3986	1.00E-05	1.48E-03	0		1.00E-05	1.00E-05		1.00E-05	1.00E-05
Energy	1.70E-03	0.0154	0.013	9.00E-05		1.17E-03	1.17E-03		1.17E-03	1.17E-03
Mobile	0	0	0	0	0	0	0	0	0	0
Total	**0.4003**	**0.0155**	**0.0145**	**9.00E-05**	**0**	**1.18E-03**	**1.18E-03**	**0**	**1.18E-03**	**1.18E-03**

Site Modernization

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
	Winter (lbs/day)									
Area	0.6782	2.00E-05	2.50E-03	0		1.00E-05	1.00E-05		1.00E-05	1.00E-05
Energy	4.87E-03	0.0443	0.0372	2.70E-04		3.37E-03	3.37E-03		3.37E-03	3.37E-03
Mobile	0	0	0	0	0	0	0	0	0	0
Total	**0.6831**	**0.0443**	**0.0397**	**2.70E-04**	**0**	**3.38E-03**	**3.38E-03**	**0**	**3.38E-03**	**3.38E-03**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
	Summer (lbs/day)									
Area	0.6782	2.00E-05	2.50E-03	0		1.00E-05	1.00E-05		1.00E-05	1.00E-05
Energy	4.87E-03	0.0443	0.0372	2.70E-04		3.37E-03	3.37E-03		3.37E-03	3.37E-03
Mobile	0	0	0	0	0	0	0	0	0	0
Total	**0.6831**	**0.0443**	**0.0397**	**2.70E-04**	**0**	**3.38E-03**	**3.38E-03**	**0**	**3.38E-03**	**3.38E-03**

5. CalEEMod Output

5. CalEEMod Output
a. New Building Construction

Franklin School - New Construction - San Diego County, Summer

Franklin School - New Construction

San Diego County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	13.40	1000sqft	0.31	13,400.00	0
Other Asphalt Surfaces	1.12	Acre	1.12	48,787.20	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	40
Climate Zone	13			**Operational Year**	2022
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	458.58	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - See assumptions

Land Use -

Construction Phase - See assumptions

Off-road Equipment - See assumptions

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - See assumptions

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - See assumptions

Trips and VMT - See assumptions

Demolition -

Vehicle Trips - See assumptions

Energy Use - See assumptions

Water And Wastewater - See assumptions

Solid Waste - See assumptions

Construction Off-road Equipment Mitigation - See assumptions

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	20.00	2.00
tblConstructionPhase	NumDays	20.00	5.00
tblConstructionPhase	NumDays	4.00	5.00
tblConstructionPhase	NumDays	2.00	14.00
tblEnergyUse	T24E	1.52	1.06
tblEnergyUse	T24NG	5.44	3.81
tblGrading	AcresOfGrading	1.88	1.50
tblGrading	AcresOfGrading	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	720.49	458.58

tblSolidWaste	SolidWasteGenerationRate	17.42	20.10
tblTripsAndVMT	HaulingTripNumber	101.00	0.00
tblTripsAndVMT	HaulingTripNumber	9.00	0.00
tblTripsAndVMT	HaulingTripNumber	25.00	0.00
tblTripsAndVMT	VendorTripNumber	10.00	0.00
tblTripsAndVMT	WorkerTripNumber	13.00	0.00
tblTripsAndVMT	WorkerTripNumber	8.00	0.00
tblTripsAndVMT	WorkerTripNumber	26.00	0.00
tblTripsAndVMT	WorkerTripNumber	13.00	0.00
tblTripsAndVMT	WorkerTripNumber	5.00	0.00
tblTripsAndVMT	WorkerTripNumber	8.00	0.00
tblTripsAndVMT	WorkerTripNumber	8.00	0.00
tblVehicleTrips	WD_TR	15.43	0.00
tblWater	AerobicPercent	87.46	97.54
tblWater	AerobicPercent	87.46	97.54
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	2.46
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	2.46
tblWater	IndoorWaterUseRate	388,558.69	195,640.00
tblWater	OutdoorWaterUseRate	999,150.92	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	37.5449	22.9051	23.5738	0.0386	4.8347	1.1938	5.4726	2.5170	1.1378	3.1039	0.0000	3,579.5345	3,579.5345	0.7877	0.0000	3,599.2269
Maximum	**37.5449**	**22.9051**	**23.5738**	**0.0386**	**4.8347**	**1.1938**	**5.4726**	**2.5170**	**1.1378**	**3.1039**	**0.0000**	**3,579.5345**	**3,579.5345**	**0.7877**	**0.0000**	**3,599.2269**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	35.6844	15.8054	25.0390	0.0386	2.0668	0.1653	2.1134	1.0760	0.1653	1.1226	0.0000	3,579.5345	3,579.5345	0.7877	0.0000	3,599.2269
Maximum	**35.6844**	**15.8054**	**25.0390**	**0.0386**	**2.0668**	**0.1653**	**2.1134**	**1.0760**	**0.1653**	**1.1226**	**0.0000**	**3,579.5345**	**3,579.5345**	**0.7877**	**0.0000**	**3,599.2269**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**4.96**	**31.00**	**-6.22**	**0.00**	**57.25**	**86.16**	**61.38**	**57.25**	**85.48**	**63.83**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.3986	1.0000e-005	1.4800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.1800e-003	3.1800e-003	1.0000e-005		3.3900e-003
Energy	1.7000e-003	0.0154	0.0130	9.0000e-005		1.1700e-003	1.1700e-003		1.1700e-003	1.1700e-003		18.5289	18.5289	3.6000e-004	3.4000e-004	18.6390
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.4003**	**0.0155**	**0.0145**	**9.0000e-005**	**0.0000**	**1.1800e-003**	**1.1800e-003**	**0.0000**	**1.1800e-003**	**1.1800e-003**		**18.5321**	**18.5321**	**3.7000e-004**	**3.4000e-004**	**18.6424**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.3986	1.0000e-005	1.4800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.1800e-003	3.1800e-003	1.0000e-005		3.3900e-003
Energy	1.7000e-003	0.0154	0.0130	9.0000e-005		1.1700e-003	1.1700e-003		1.1700e-003	1.1700e-003		18.5289	18.5289	3.6000e-004	3.4000e-004	18.6390
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.4003**	**0.0155**	**0.0145**	**9.0000e-005**	**0.0000**	**1.1800e-003**	**1.1800e-003**	**0.0000**	**1.1800e-003**	**1.1800e-003**		**18.5321**	**18.5321**	**3.7000e-004**	**3.4000e-004**	**18.6424**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	P1 - Add Portable Classrooms	Site Preparation	1/1/2021	1/20/2021	5	14	
2	P1 - Demolition (Buildings 04-05/05-06)	Demolition	1/21/2021	2/17/2021	5	20	
3	P2 - Grading	Grading	2/18/2021	2/24/2021	5	5	
4	P2 - Building Construction	Building Construction	2/25/2021	12/1/2021	5	200	
5	P2 - Paving	Paving	11/25/2021	12/8/2021	5	10	
6	P2 - Architectural Coating	Architectural Coating	11/25/2021	12/8/2021	5	10	
7	P2 - Demolition (Portable 2)	Demolition	12/9/2021	12/11/2021	5	2	
8	P3 - Demolition (Portables 1, 3, and 4)	Demolition	12/13/2021	12/17/2021	5	5	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 1.12

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 20,100; Non-Residential Outdoor: 6,700; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
P1 - Add Portable Classrooms	Graders	0	8.00	187	0.41
P1 - Add Portable Classrooms	Rubber Tired Dozers	0	7.00	247	0.40
P1 - Add Portable Classrooms	Tractors/Loaders/Backhoes	0	8.00	97	0.37
P1 - Demolition (Buildings 04-05/05-06)	Concrete/Industrial Saws	1	8.00	81	0.73
P1 - Demolition (Buildings 04-05/05-06)	Rubber Tired Dozers	1	8.00	247	0.40
P1 - Demolition (Buildings 04-05/05-06)	Tractors/Loaders/Backhoes	3	8.00	97	0.37
P2 - Grading	Graders	1	6.00	187	0.41
P2 - Grading	Rubber Tired Dozers	1	6.00	247	0.40
P2 - Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
P2 - Building Construction	Cranes	1	6.00	231	0.29

P2 - Building Construction	Forklifts	1	6.00	89	0.20
P2 - Building Construction	Generator Sets	1	8.00	84	0.74
P2 - Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
P2 - Building Construction	Welders	3	8.00	46	0.45
P2 - Paving	Cement and Mortar Mixers	1	6.00	9	0.56
P2 - Paving	Pavers	1	6.00	130	0.42
P2 - Paving	Paving Equipment	1	8.00	132	0.36
P2 - Paving	Rollers	1	7.00	80	0.38
P2 - Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
P2 - Architectural Coating	Air Compressors	1	6.00	78	0.48
P2 - Demolition (Portable 2)	Concrete/Industrial Saws	1	8.00	81	0.73
P2 - Demolition (Portable 2)	Rubber Tired Dozers	1	8.00	247	0.40
P2 - Demolition (Portable 2)	Tractors/Loaders/Backhoes	1	8.00	97	0.37
P3 - Demolition (Portables 1, 3, and 4)	Concrete/Industrial Saws	1	8.00	81	0.73
P3 - Demolition (Portables 1, 3, and 4)	Rubber Tired Dozers	1	8.00	247	0.40
P3 - Demolition (Portables 1, 3, and 4)	Tractors/Loaders/Backhoes	1	8.00	97	0.37

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use DPF for Construction Equipment

Use Soil Stabilizer

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 P1 - Add Portable Classrooms - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0758	0.0000	0.0758	8.1800e-003	0.0000	8.1800e-003			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0758**	**0.0000**	**0.0758**	**8.1800e-003**	**0.0000**	**8.1800e-003**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0324	0.0000	0.0324	3.5000e-003	0.0000	3.5000e-003			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0324**	**0.0000**	**0.0324**	**3.5000e-003**	**0.0000**	**3.5000e-003**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**

3.3 P1 - Demolition (Buildings 04-05/05-06) - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.1104	0.0000	1.1104	0.1682	0.0000	0.1682			0.0000			0.0000
Off-Road	1.9930	19.6966	14.4925	0.0241		1.0409	1.0409		0.9715	0.9715		2,322.7171	2,322.7171	0.5940		2,337.5658
Total	**1.9930**	**19.6966**	**14.4925**	**0.0241**	**1.1104**	**1.0409**	**2.1513**	**0.1682**	**0.9715**	**1.1396**		**2,322.7171**	**2,322.7171**	**0.5940**		**2,337.5658**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.4747	0.0000	0.4747	0.0719	0.0000	0.0719			0.0000			0.0000
Off-Road	0.5621	12.1033	15.4154	0.0241		0.1077	0.1077		0.1077	0.1077	0.0000	2,322.7171	2,322.7171	0.5940		2,337.5658
Total	**0.5621**	**12.1033**	**15.4154**	**0.0241**	**0.4747**	**0.1077**	**0.5824**	**0.0719**	**0.1077**	**0.1796**	**0.0000**	**2,322.7171**	**2,322.7171**	**0.5940**		**2,337.5658**

3.4 P2 - Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.8347	0.0000	4.8347	2.5170	0.0000	2.5170			0.0000			0.0000
Off-Road	1.2884	14.3307	6.3314	0.0141		0.6379	0.6379		0.5869	0.5869		1,365.0648	1,365.0648	0.4415		1,376.1020
Total	**1.2884**	**14.3307**	**6.3314**	**0.0141**	**4.8347**	**0.6379**	**5.4726**	**2.5170**	**0.5869**	**3.1039**		**1,365.0648**	**1,365.0648**	**0.4415**		**1,376.1020**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.0668	0.0000	2.0668	1.0760	0.0000	1.0760			0.0000			0.0000
Off-Road	0.3450	6.9025	8.0841	0.0141		0.0466	0.0466		0.0466	0.0466	0.0000	1,365.0648	1,365.0648	0.4415		1,376.1020
Total	**0.3450**	**6.9025**	**8.0841**	**0.0141**	**2.0668**	**0.0466**	**2.1134**	**1.0760**	**0.0466**	**1.1226**	**0.0000**	**1,365.0648**	**1,365.0648**	**0.4415**		**1,376.1020**

3.5 P2 - Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8125	13.6361	12.8994	0.0221		0.6843	0.6843		0.6608	0.6608		2,001.2200	2,001.2200	0.3573		2,010.1517
Total	**1.8125**	**13.6361**	**12.8994**	**0.0221**		**0.6843**	**0.6843**		**0.6608**	**0.6608**		**2,001.2200**	**2,001.2200**	**0.3573**		**2,010.1517**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5218	7.5324	13.1241	0.0221		0.0823	0.0823		0.0823	0.0823	0.0000	2,001.2200	2,001.2200	0.3573		2,010.1517
Total	**0.5218**	**7.5324**	**13.1241**	**0.0221**		**0.0823**	**0.0823**		**0.0823**	**0.0823**	**0.0000**	**2,001.2200**	**2,001.2200**	**0.3573**		**2,010.1517**

3.6 P2 - Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7739	7.7422	8.8569	0.0135		0.4153	0.4153		0.3830	0.3830		1,296.8664	1,296.8664	0.4111		1,307.1442
Paving	0.2934					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0673**	**7.7422**	**8.8569**	**0.0135**		**0.4153**	**0.4153**		**0.3830**	**0.3830**		**1,296.8664**	**1,296.8664**	**0.4111**		**1,307.1442**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3636	6.9160	10.0824	0.0135		0.0687	0.0687		0.0687	0.0687	0.0000	1,296.8664	1,296.8664	0.4111		1,307.1442
Paving	0.2934					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.6570**	**6.9160**	**10.0824**	**0.0135**		**0.0687**	**0.0687**		**0.0687**	**0.0687**	**0.0000**	**1,296.8664**	**1,296.8664**	**0.4111**		**1,307.1442**

3.7 P2 - Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	34.4462					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	**34.6651**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**		**281.4481**	**281.4481**	**0.0193**		**281.9309**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	34.4462					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0143	0.0143		0.0143	0.0143	0.0000	281.4481	281.4481	0.0193		281.9309
Total	**34.5056**	**1.3570**	**1.8324**	**2.9700e-003**		**0.0143**	**0.0143**		**0.0143**	**0.0143**	**0.0000**	**281.4481**	**281.4481**	**0.0193**		**281.9309**

3.8 P2 - Demolition (Portable 2) - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.9533	0.0000	0.9533	0.1444	0.0000	0.1444			0.0000			0.0000
Off-Road	1.6185	15.9050	9.9721	0.0179		0.8174	0.8174		0.7658	0.7658		1,720.9169	1,720.9169	0.3993		1,730.8998
Total	**1.6185**	**15.9050**	**9.9721**	**0.0179**	**0.9533**	**0.8174**	**1.7707**	**0.1444**	**0.7658**	**0.9102**		**1,720.9169**	**1,720.9169**	**0.3993**		**1,730.8998**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.4075	0.0000	0.4075	0.0617	0.0000	0.0617			0.0000			0.0000
Off-Road	0.4102	8.6346	10.7313	0.0179		0.0713	0.0713		0.0713	0.0713	0.0000	1,720.9169	1,720.9169	0.3993		1,730.8998
Total	**0.4102**	**8.6346**	**10.7313**	**0.0179**	**0.4075**	**0.0713**	**0.4788**	**0.0617**	**0.0713**	**0.1330**	**0.0000**	**1,720.9169**	**1,720.9169**	**0.3993**		**1,730.8998**

3.9 P3 - Demolition (Portables 1, 3, and 4) - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.1093	0.0000	1.1093	0.1680	0.0000	0.1680			0.0000			0.0000
Off-Road	1.6185	15.9050	9.9721	0.0179		0.8174	0.8174		0.7658	0.7658		1,720.9169	1,720.9169	0.3993		1,730.8998
Total	**1.6185**	**15.9050**	**9.9721**	**0.0179**	**1.1093**	**0.8174**	**1.9267**	**0.1680**	**0.7658**	**0.9338**		**1,720.9169**	**1,720.9169**	**0.3993**		**1,730.8998**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.4742	0.0000	0.4742	0.0718	0.0000	0.0718			0.0000			0.0000
Off-Road	0.4102	8.6346	10.7313	0.0179		0.0713	0.0713		0.0713	0.0713	0.0000	1,720.9169	1,720.9169	0.3993		1,730.8998
Total	**0.4102**	**8.6346**	**10.7313**	**0.0179**	**0.4742**	**0.0713**	**0.5455**	**0.0718**	**0.0713**	**0.1431**	**0.0000**	**1,720.9169**	**1,720.9169**	**0.3993**		**1,730.8998**

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	1.7000e-003	0.0154	0.0130	9.0000e-005		1.1700e-003	1.1700e-003		1.1700e-003	1.1700e-003		18.5289	18.5289	3.6000e-004	3.4000e-004	18.6390
NaturalGas Unmitigated	1.7000e-003	0.0154	0.0130	9.0000e-005		1.1700e-003	1.1700e-003		1.1700e-003	1.1700e-003		18.5289	18.5289	3.6000e-004	3.4000e-004	18.6390

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Elementary School	157.496	1.7000e-003	0.0154	0.0130	9.0000e-005		1.1700e-003	1.1700e-003		1.1700e-003	1.1700e-003		18.5289	18.5289	3.6000e-004	3.4000e-004	18.6390
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**1.7000e-003**	**0.0154**	**0.0130**	**9.0000e-005**		**1.1700e-003**	**1.1700e-003**		**1.1700e-003**	**1.1700e-003**		**18.5289**	**18.5289**	**3.6000e-004**	**3.4000e-004**	**18.6390**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Elementary School	0.157496	1.7000e-003	0.0154	0.0130	9.0000e-005		1.1700e-003	1.1700e-003		1.1700e-003	1.1700e-003		18.5289	18.5289	3.6000e-004	3.4000e-004	18.6390
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**1.7000e-003**	**0.0154**	**0.0130**	**9.0000e-005**		**1.1700e-003**	**1.1700e-003**		**1.1700e-003**	**1.1700e-003**		**18.5289**	**18.5289**	**3.6000e-004**	**3.4000e-004**	**18.6390**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.3986	1.0000e-005	1.4800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.1800e-003	3.1800e-003	1.0000e-005		3.3900e-003
Unmitigated	0.3986	1.0000e-005	1.4800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.1800e-003	3.1800e-003	1.0000e-005		3.3900e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0944					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.3040					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.4000e-004	1.0000e-005	1.4800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.1800e-003	3.1800e-003	1.0000e-005		3.3900e-003
Total	**0.3986**	**1.0000e-005**	**1.4800e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**		**3.1800e-003**	**3.1800e-003**	**1.0000e-005**		**3.3900e-003**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0944					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.3040					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.4000e-004	1.0000e-005	1.4800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.1800e-003	3.1800e-003	1.0000e-005		3.3900e-003
Total	**0.3986**	**1.0000e-005**	**1.4800e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**		**3.1800e-003**	**3.1800e-003**	**1.0000e-005**		**3.3900e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

Franklin School - New Construction - San Diego County, Winter

Franklin School - New Construction

San Diego County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	13.40	1000sqft	0.31	13,400.00	0
Other Asphalt Surfaces	1.12	Acre	1.12	48,787.20	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	40
Climate Zone	13			**Operational Year**	2022
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	458.58	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - See assumptions

Land Use -

Construction Phase - See assumptions

Off-road Equipment - See assumptions

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - See assumptions

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - See assumptions

Trips and VMT - See assumptions

Demolition -

Vehicle Trips - See assumptions

Energy Use - See assumptions

Water And Wastewater - See assumptions

Solid Waste - See assumptions

Construction Off-road Equipment Mitigation - See assumptions

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	20.00	2.00
tblConstructionPhase	NumDays	20.00	5.00
tblConstructionPhase	NumDays	4.00	5.00
tblConstructionPhase	NumDays	2.00	14.00
tblEnergyUse	T24E	1.52	1.06
tblEnergyUse	T24NG	5.44	3.81
tblGrading	AcresOfGrading	1.88	1.50
tblGrading	AcresOfGrading	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	720.49	458.58

tblSolidWaste	SolidWasteGenerationRate	17.42	20.10
tblTripsAndVMT	HaulingTripNumber	101.00	0.00
tblTripsAndVMT	HaulingTripNumber	9.00	0.00
tblTripsAndVMT	HaulingTripNumber	25.00	0.00
tblTripsAndVMT	VendorTripNumber	10.00	0.00
tblTripsAndVMT	WorkerTripNumber	13.00	0.00
tblTripsAndVMT	WorkerTripNumber	8.00	0.00
tblTripsAndVMT	WorkerTripNumber	26.00	0.00
tblTripsAndVMT	WorkerTripNumber	13.00	0.00
tblTripsAndVMT	WorkerTripNumber	5.00	0.00
tblTripsAndVMT	WorkerTripNumber	8.00	0.00
tblTripsAndVMT	WorkerTripNumber	8.00	0.00
tblVehicleTrips	WD_TR	15.43	0.00
tblWater	AerobicPercent	87.46	97.54
tblWater	AerobicPercent	87.46	97.54
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	2.46
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	2.46
tblWater	IndoorWaterUseRate	388,558.69	195,640.00
tblWater	OutdoorWaterUseRate	999,150.92	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	37.5449	22.9051	23.5738	0.0386	4.8347	1.1938	5.4726	2.5170	1.1378	3.1039	0.0000	3,579.5345	3,579.5345	0.7877	0.0000	3,599.2269
Maximum	**37.5449**	**22.9051**	**23.5738**	**0.0386**	**4.8347**	**1.1938**	**5.4726**	**2.5170**	**1.1378**	**3.1039**	**0.0000**	**3,579.5345**	**3,579.5345**	**0.7877**	**0.0000**	**3,599.2269**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	35.6844	15.8054	25.0390	0.0386	2.0668	0.1653	2.1134	1.0760	0.1653	1.1226	0.0000	3,579.5345	3,579.5345	0.7877	0.0000	3,599.2269
Maximum	**35.6844**	**15.8054**	**25.0390**	**0.0386**	**2.0668**	**0.1653**	**2.1134**	**1.0760**	**0.1653**	**1.1226**	**0.0000**	**3,579.5345**	**3,579.5345**	**0.7877**	**0.0000**	**3,599.2269**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**4.96**	**31.00**	**-6.22**	**0.00**	**57.25**	**86.16**	**61.38**	**57.25**	**85.48**	**63.83**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.3986	1.0000e-005	1.4800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.1800e-003	3.1800e-003	1.0000e-005		3.3900e-003
Energy	1.7000e-003	0.0154	0.0130	9.0000e-005		1.1700e-003	1.1700e-003		1.1700e-003	1.1700e-003		18.5289	18.5289	3.6000e-004	3.4000e-004	18.6390
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.4003**	**0.0155**	**0.0145**	**9.0000e-005**	**0.0000**	**1.1800e-003**	**1.1800e-003**	**0.0000**	**1.1800e-003**	**1.1800e-003**		**18.5321**	**18.5321**	**3.7000e-004**	**3.4000e-004**	**18.6424**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.3986	1.0000e-005	1.4800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.1800e-003	3.1800e-003	1.0000e-005		3.3900e-003
Energy	1.7000e-003	0.0154	0.0130	9.0000e-005		1.1700e-003	1.1700e-003		1.1700e-003	1.1700e-003		18.5289	18.5289	3.6000e-004	3.4000e-004	18.6390
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.4003**	**0.0155**	**0.0145**	**9.0000e-005**	**0.0000**	**1.1800e-003**	**1.1800e-003**	**0.0000**	**1.1800e-003**	**1.1800e-003**		**18.5321**	**18.5321**	**3.7000e-004**	**3.4000e-004**	**18.6424**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	P1 - Add Portable Classrooms	Site Preparation	1/1/2021	1/20/2021	5	14	
2	P1 - Demolition (Buildings 04-05/05-06)	Demolition	1/21/2021	2/17/2021	5	20	
3	P2 - Grading	Grading	2/18/2021	2/24/2021	5	5	
4	P2 - Building Construction	Building Construction	2/25/2021	12/1/2021	5	200	
5	P2 - Paving	Paving	11/25/2021	12/8/2021	5	10	
6	P2 - Architectural Coating	Architectural Coating	11/25/2021	12/8/2021	5	10	
7	P2 - Demolition (Portable 2)	Demolition	12/9/2021	12/11/2021	5	2	
8	P3 - Demolition (Portables 1, 3, and 4)	Demolition	12/13/2021	12/17/2021	5	5	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 1.12

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 20,100; Non-Residential Outdoor: 6,700; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
P1 - Add Portable Classrooms	Graders	0	8.00	187	0.41
P1 - Add Portable Classrooms	Rubber Tired Dozers	0	7.00	247	0.40
P1 - Add Portable Classrooms	Tractors/Loaders/Backhoes	0	8.00	97	0.37
P1 - Demolition (Buildings 04-05/05-06)	Concrete/Industrial Saws	1	8.00	81	0.73
P1 - Demolition (Buildings 04-05/05-06)	Rubber Tired Dozers	1	8.00	247	0.40
P1 - Demolition (Buildings 04-05/05-06)	Tractors/Loaders/Backhoes	3	8.00	97	0.37
P2 - Grading	Graders	1	6.00	187	0.41
P2 - Grading	Rubber Tired Dozers	1	6.00	247	0.40
P2 - Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
P2 - Building Construction	Cranes	1	6.00	231	0.29

P2 - Building Construction	Forklifts	1	6.00	89	0.20
P2 - Building Construction	Generator Sets	1	8.00	84	0.74
P2 - Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
P2 - Building Construction	Welders	3	8.00	46	0.45
P2 - Paving	Cement and Mortar Mixers	1	6.00	9	0.56
P2 - Paving	Pavers	1	6.00	130	0.42
P2 - Paving	Paving Equipment	1	8.00	132	0.36
P2 - Paving	Rollers	1	7.00	80	0.38
P2 - Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
P2 - Architectural Coating	Air Compressors	1	6.00	78	0.48
P2 - Demolition (Portable 2)	Concrete/Industrial Saws	1	8.00	81	0.73
P2 - Demolition (Portable 2)	Rubber Tired Dozers	1	8.00	247	0.40
P2 - Demolition (Portable 2)	Tractors/Loaders/Backhoes	1	8.00	97	0.37
P3 - Demolition (Portables 1, 3, and 4)	Concrete/Industrial Saws	1	8.00	81	0.73
P3 - Demolition (Portables 1, 3, and 4)	Rubber Tired Dozers	1	8.00	247	0.40
P3 - Demolition (Portables 1, 3, and 4)	Tractors/Loaders/Backhoes	1	8.00	97	0.37

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use DPF for Construction Equipment

Use Soil Stabilizer

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 P1 - Add Portable Classrooms - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0758	0.0000	0.0758	8.1800e-003	0.0000	8.1800e-003			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0758**	**0.0000**	**0.0758**	**8.1800e-003**	**0.0000**	**8.1800e-003**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0324	0.0000	0.0324	3.5000e-003	0.0000	3.5000e-003			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0324**	**0.0000**	**0.0324**	**3.5000e-003**	**0.0000**	**3.5000e-003**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**

3.3 P1 - Demolition (Buildings 04-05/05-06) - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.1104	0.0000	1.1104	0.1682	0.0000	0.1682			0.0000			0.0000
Off-Road	1.9930	19.6966	14.4925	0.0241		1.0409	1.0409		0.9715	0.9715		2,322.7171	2,322.7171	0.5940		2,337.5658
Total	**1.9930**	**19.6966**	**14.4925**	**0.0241**	**1.1104**	**1.0409**	**2.1513**	**0.1682**	**0.9715**	**1.1396**		**2,322.7171**	**2,322.7171**	**0.5940**		**2,337.5658**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.4747	0.0000	0.4747	0.0719	0.0000	0.0719			0.0000			0.0000
Off-Road	0.5621	12.1033	15.4154	0.0241		0.1077	0.1077		0.1077	0.1077	0.0000	2,322.7171	2,322.7171	0.5940		2,337.5658
Total	**0.5621**	**12.1033**	**15.4154**	**0.0241**	**0.4747**	**0.1077**	**0.5824**	**0.0719**	**0.1077**	**0.1796**	**0.0000**	**2,322.7171**	**2,322.7171**	**0.5940**		**2,337.5658**

3.4 P2 - Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.8347	0.0000	4.8347	2.5170	0.0000	2.5170			0.0000			0.0000
Off-Road	1.2884	14.3307	6.3314	0.0141		0.6379	0.6379		0.5869	0.5869		1,365.0648	1,365.0648	0.4415		1,376.1020
Total	**1.2884**	**14.3307**	**6.3314**	**0.0141**	**4.8347**	**0.6379**	**5.4726**	**2.5170**	**0.5869**	**3.1039**		**1,365.0648**	**1,365.0648**	**0.4415**		**1,376.1020**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.0668	0.0000	2.0668	1.0760	0.0000	1.0760			0.0000			0.0000
Off-Road	0.3450	6.9025	8.0841	0.0141		0.0466	0.0466		0.0466	0.0466	0.0000	1,365.0648	1,365.0648	0.4415		1,376.1020
Total	**0.3450**	**6.9025**	**8.0841**	**0.0141**	**2.0668**	**0.0466**	**2.1134**	**1.0760**	**0.0466**	**1.1226**	**0.0000**	**1,365.0648**	**1,365.0648**	**0.4415**		**1,376.1020**

3.5 P2 - Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8125	13.6361	12.8994	0.0221		0.6843	0.6843		0.6608	0.6608		2,001.2200	2,001.2200	0.3573		2,010.1517
Total	**1.8125**	**13.6361**	**12.8994**	**0.0221**		**0.6843**	**0.6843**		**0.6608**	**0.6608**		**2,001.2200**	**2,001.2200**	**0.3573**		**2,010.1517**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5218	7.5324	13.1241	0.0221		0.0823	0.0823		0.0823	0.0823	0.0000	2,001.2200	2,001.2200	0.3573		2,010.1517
Total	**0.5218**	**7.5324**	**13.1241**	**0.0221**		**0.0823**	**0.0823**		**0.0823**	**0.0823**	**0.0000**	**2,001.2200**	**2,001.2200**	**0.3573**		**2,010.1517**

3.6 P2 - Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7739	7.7422	8.8569	0.0135		0.4153	0.4153		0.3830	0.3830		1,296.8664	1,296.8664	0.4111		1,307.1442
Paving	0.2934					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0673**	**7.7422**	**8.8569**	**0.0135**		**0.4153**	**0.4153**		**0.3830**	**0.3830**		**1,296.8664**	**1,296.8664**	**0.4111**		**1,307.1442**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3636	6.9160	10.0824	0.0135		0.0687	0.0687		0.0687	0.0687	0.0000	1,296.8664	1,296.8664	0.4111		1,307.1442
Paving	0.2934					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.6570**	**6.9160**	**10.0824**	**0.0135**		**0.0687**	**0.0687**		**0.0687**	**0.0687**	**0.0000**	**1,296.8664**	**1,296.8664**	**0.4111**		**1,307.1442**

3.7 P2 - Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	34.4462					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	**34.6651**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**		**281.4481**	**281.4481**	**0.0193**		**281.9309**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	34.4462					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0143	0.0143		0.0143	0.0143	0.0000	281.4481	281.4481	0.0193		281.9309
Total	**34.5056**	**1.3570**	**1.8324**	**2.9700e-003**		**0.0143**	**0.0143**		**0.0143**	**0.0143**	**0.0000**	**281.4481**	**281.4481**	**0.0193**		**281.9309**

3.8 P2 - Demolition (Portable 2) - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.9533	0.0000	0.9533	0.1444	0.0000	0.1444			0.0000			0.0000
Off-Road	1.6185	15.9050	9.9721	0.0179		0.8174	0.8174		0.7658	0.7658		1,720.9169	1,720.9169	0.3993		1,730.8998
Total	**1.6185**	**15.9050**	**9.9721**	**0.0179**	**0.9533**	**0.8174**	**1.7707**	**0.1444**	**0.7658**	**0.9102**		**1,720.9169**	**1,720.9169**	**0.3993**		**1,730.8998**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.4075	0.0000	0.4075	0.0617	0.0000	0.0617			0.0000			0.0000
Off-Road	0.4102	8.6346	10.7313	0.0179		0.0713	0.0713		0.0713	0.0713	0.0000	1,720.9169	1,720.9169	0.3993		1,730.8998
Total	**0.4102**	**8.6346**	**10.7313**	**0.0179**	**0.4075**	**0.0713**	**0.4788**	**0.0617**	**0.0713**	**0.1330**	**0.0000**	**1,720.9169**	**1,720.9169**	**0.3993**		**1,730.8998**

3.9 P3 - Demolition (Portables 1, 3, and 4) - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.1093	0.0000	1.1093	0.1680	0.0000	0.1680			0.0000			0.0000
Off-Road	1.6185	15.9050	9.9721	0.0179		0.8174	0.8174		0.7658	0.7658		1,720.9169	1,720.9169	0.3993		1,730.8998
Total	**1.6185**	**15.9050**	**9.9721**	**0.0179**	**1.1093**	**0.8174**	**1.9267**	**0.1680**	**0.7658**	**0.9338**		**1,720.9169**	**1,720.9169**	**0.3993**		**1,730.8998**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.4742	0.0000	0.4742	0.0718	0.0000	0.0718			0.0000			0.0000
Off-Road	0.4102	8.6346	10.7313	0.0179		0.0713	0.0713		0.0713	0.0713	0.0000	1,720.9169	1,720.9169	0.3993		1,730.8998
Total	**0.4102**	**8.6346**	**10.7313**	**0.0179**	**0.4742**	**0.0713**	**0.5455**	**0.0718**	**0.0713**	**0.1431**	**0.0000**	**1,720.9169**	**1,720.9169**	**0.3993**		**1,730.8998**

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	1.7000e-003	0.0154	0.0130	9.0000e-005		1.1700e-003	1.1700e-003		1.1700e-003	1.1700e-003		18.5289	18.5289	3.6000e-004	3.4000e-004	18.6390
NaturalGas Unmitigated	1.7000e-003	0.0154	0.0130	9.0000e-005		1.1700e-003	1.1700e-003		1.1700e-003	1.1700e-003		18.5289	18.5289	3.6000e-004	3.4000e-004	18.6390

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Elementary School	157.496	1.7000e-003	0.0154	0.0130	9.0000e-005		1.1700e-003	1.1700e-003		1.1700e-003	1.1700e-003		18.5289	18.5289	3.6000e-004	3.4000e-004	18.6390
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**1.7000e-003**	**0.0154**	**0.0130**	**9.0000e-005**		**1.1700e-003**	**1.1700e-003**		**1.1700e-003**	**1.1700e-003**		**18.5289**	**18.5289**	**3.6000e-004**	**3.4000e-004**	**18.6390**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Elementary School	0.157496	1.7000e-003	0.0154	0.0130	9.0000e-005		1.1700e-003	1.1700e-003		1.1700e-003	1.1700e-003		18.5289	18.5289	3.6000e-004	3.4000e-004	18.6390
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**1.7000e-003**	**0.0154**	**0.0130**	**9.0000e-005**		**1.1700e-003**	**1.1700e-003**		**1.1700e-003**	**1.1700e-003**		**18.5289**	**18.5289**	**3.6000e-004**	**3.4000e-004**	**18.6390**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.3986	1.0000e-005	1.4800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.1800e-003	3.1800e-003	1.0000e-005		3.3900e-003
Unmitigated	0.3986	1.0000e-005	1.4800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.1800e-003	3.1800e-003	1.0000e-005		3.3900e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0944					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.3040					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.4000e-004	1.0000e-005	1.4800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.1800e-003	3.1800e-003	1.0000e-005		3.3900e-003
Total	**0.3986**	**1.0000e-005**	**1.4800e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**		**3.1800e-003**	**3.1800e-003**	**1.0000e-005**		**3.3900e-003**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0944					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.3040					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.4000e-004	1.0000e-005	1.4800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.1800e-003	3.1800e-003	1.0000e-005		3.3900e-003
Total	**0.3986**	**1.0000e-005**	**1.4800e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**		**3.1800e-003**	**3.1800e-003**	**1.0000e-005**		**3.3900e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

5. CalEEMod Output
b. Modernization Construction

Franklin School - Modernization

San Diego County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	24.43	1000sqft	0.63	24,433.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	40
Climate Zone	13			**Operational Year**	2022
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	458.58	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - See Assumptions

Land Use - See Assumptions

Construction Phase - See Assumptions

Off-road Equipment -

Off-road Equipment - See Assumptions

Trips and VMT - Modeled outside of CalEEMod

Demolition -

Grading -

Vehicle Trips - no new mobile source trips

Energy Use - See Assumptions

Water And Wastewater - See Assumptions

Solid Waste - See Assumptions

Construction Off-road Equipment Mitigation - See Assumptions

Energy Mitigation - See Assumptions

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	5.00	100.00
tblConstructionPhase	NumDays	100.00	244.00
tblLandUse	LandUseSquareFeet	24,430.00	24,433.00
tblLandUse	LotAcreage	0.56	0.63
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	720.49	458.58
tblSolidWaste	SolidWasteGenerationRate	31.76	36.65
tblTripsAndVMT	VendorTripNumber	4.00	0.00
tblTripsAndVMT	WorkerTripNumber	10.00	0.00
tblTripsAndVMT	WorkerTripNumber	2.00	0.00
tblVehicleTrips	WD_TR	15.43	0.00
tblWater	AerobicPercent	87.46	97.54
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	2.46
tblWater	IndoorWaterUseRate	708,394.69	356,722.00
tblWater	OutdoorWaterUseRate	1,821,586.34	0.00
tblWater	SepticTankPercent	10.33	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	6.3379	4.8808	5.9997	9.7500e-003	0.0000	0.2880	0.2880	0.0000	0.2876	0.2876	0.0000	925.6541	925.6541	0.0842	0.0000	927.7601
Maximum	**6.3379**	**4.8808**	**5.9997**	**9.7500e-003**	**0.0000**	**0.2880**	**0.2880**	**0.0000**	**0.2876**	**0.2876**	**0.0000**	**925.6541**	**925.6541**	**0.0842**	**0.0000**	**927.7601**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	5.8614	4.5428	6.1345	9.7500e-003	0.0000	0.0478	0.0478	0.0000	0.0478	0.0478	0.0000	925.6541	925.6541	0.0842	0.0000	927.7601
Maximum	**5.8614**	**4.5428**	**6.1345**	**9.7500e-003**	**0.0000**	**0.0478**	**0.0478**	**0.0000**	**0.0478**	**0.0478**	**0.0000**	**925.6541**	**925.6541**	**0.0842**	**0.0000**	**927.7601**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**7.52**	**6.93**	**-2.25**	**0.00**	**0.00**	**83.42**	**83.42**	**0.00**	**83.39**	**83.39**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.6782	2.0000e-005	2.5000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.3500e-003	5.3500e-003	1.0000e-005		5.7000e-003
Energy	4.9700e-003	0.0452	0.0379	2.7000e-004		3.4300e-003	3.4300e-003		3.4300e-003	3.4300e-003		54.1818	54.1818	1.0400e-003	9.9000e-004	54.5038
Total	**0.6832**	**0.0452**	**0.0404**	**2.7000e-004**	**0.0000**	**3.4400e-003**	**3.4400e-003**	**0.0000**	**3.4400e-003**	**3.4400e-003**		**54.1872**	**54.1872**	**1.0500e-003**	**9.9000e-004**	**54.5095**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.6782	2.0000e-005	2.5000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.3500e-003	5.3500e-003	1.0000e-005		5.7000e-003
Energy	4.8700e-003	0.0443	0.0372	2.7000e-004		3.3700e-003	3.3700e-003		3.3700e-003	3.3700e-003		53.1738	53.1738	1.0200e-003	9.7000e-004	53.4898
Total	**0.6831**	**0.0443**	**0.0397**	**2.7000e-004**	**0.0000**	**3.3800e-003**	**3.3800e-003**	**0.0000**	**3.3800e-003**	**3.3800e-003**		**53.1791**	**53.1791**	**1.0300e-003**	**9.7000e-004**	**53.4955**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.01**	**1.86**	**1.76**	**0.00**	**0.00**	**1.74**	**1.74**	**0.00**	**1.74**	**1.74**	**0.00**	**1.86**	**1.86**	**1.90**	**2.02**	**1.86**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	1/1/2021	12/8/2021	5	244	
2	Architectural Coating	Architectural Coating	6/1/2021	10/18/2021	5	100	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 36,650; Non-Residential Outdoor: 12,217; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Aerial Lifts	1	4.00	63	0.31
Building Construction	Air Compressors	2	6.00	78	0.48
Building Construction	Cranes	0	4.00	231	0.29
Building Construction	Forklifts	0	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use DPF for Construction Equipment

3.2 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4565	3.3540	4.1821	6.7800e-003		0.1939	0.1939		0.1935	0.1935		644.2060	644.2060	0.0649		645.8292
Total	**0.4565**	**3.3540**	**4.1821**	**6.7800e-003**		**0.1939**	**0.1939**		**0.1935**	**0.1935**		**644.2060**	**644.2060**	**0.0649**		**645.8292**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1395	3.1859	4.3021	6.7800e-003		0.0335	0.0335		0.0335	0.0335	0.0000	644.2060	644.2060	0.0649		645.8292
Total	**0.1395**	**3.1859**	**4.3021**	**6.7800e-003**		**0.0335**	**0.0335**		**0.0335**	**0.0335**	**0.0000**	**644.2060**	**644.2060**	**0.0649**		**645.8292**

3.3 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	5.6625					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	**5.8814**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**		**281.4481**	**281.4481**	**0.0193**		**281.9309**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	5.6625					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0143	0.0143		0.0143	0.0143	0.0000	281.4481	281.4481	0.0193		281.9309
Total	**5.7219**	**1.3570**	**1.8324**	**2.9700e-003**		**0.0143**	**0.0143**		**0.0143**	**0.0143**	**0.0000**	**281.4481**	**281.4481**	**0.0193**		**281.9309**

5.0 Energy Detail

Historical Energy Use: Y

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	4.8700e-003	0.0443	0.0372	2.7000e-004		3.3700e-003	3.3700e-003		3.3700e-003	3.3700e-003		53.1738	53.1738	1.0200e-003	9.7000e-004	53.4898
NaturalGas Unmitigated	4.9700e-003	0.0452	0.0379	2.7000e-004		3.4300e-003	3.4300e-003		3.4300e-003	3.4300e-003		54.1818	54.1818	1.0400e-003	9.9000e-004	54.5038

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Elementary School	460.545	4.9700e-003	0.0452	0.0379	2.7000e-004		3.4300e-003	3.4300e-003		3.4300e-003	3.4300e-003		54.1818	54.1818	1.0400e-003	9.9000e-004	54.5038
Total		**4.9700e-003**	**0.0452**	**0.0379**	**2.7000e-004**		**3.4300e-003**	**3.4300e-003**		**3.4300e-003**	**3.4300e-003**		**54.1818**	**54.1818**	**1.0400e-003**	**9.9000e-004**	**54.5038**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Elementary School	0.451977	4.8700e-003	0.0443	0.0372	2.7000e-004		3.3700e-003	3.3700e-003		3.3700e-003	3.3700e-003		53.1738	53.1738	1.0200e-003	9.7000e-004	53.4898
Total		**4.8700e-003**	**0.0443**	**0.0372**	**2.7000e-004**		**3.3700e-003**	**3.3700e-003**		**3.3700e-003**	**3.3700e-003**		**53.1738**	**53.1738**	**1.0200e-003**	**9.7000e-004**	**53.4898**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.6782	2.0000e-005	2.5000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.3500e-003	5.3500e-003	1.0000e-005		5.7000e-003
Unmitigated	0.6782	2.0000e-005	2.5000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.3500e-003	5.3500e-003	1.0000e-005		5.7000e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1551					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5229					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.3000e-004	2.0000e-005	2.5000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.3500e-003	5.3500e-003	1.0000e-005		5.7000e-003
Total	**0.6782**	**2.0000e-005**	**2.5000e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**		**5.3500e-003**	**5.3500e-003**	**1.0000e-005**		**5.7000e-003**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1551					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5229					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.3000e-004	2.0000e-005	2.5000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.3500e-003	5.3500e-003	1.0000e-005		5.7000e-003
Total	**0.6782**	**2.0000e-005**	**2.5000e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**		**5.3500e-003**	**5.3500e-003**	**1.0000e-005**		**5.7000e-003**

Franklin School - Modernization

San Diego County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	24.43	1000sqft	0.63	24,433.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	40
Climate Zone	13			**Operational Year**	2022
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	458.58	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - See Assumptions

Land Use - See Assumptions

Construction Phase - See Assumptions

Off-road Equipment -

Off-road Equipment - See Assumptions

Trips and VMT - Modeled outside of CalEEMod

Demolition -

Grading -

Vehicle Trips - no new mobile source trips

Energy Use - See Assumptions

Water And Wastewater - See Assumptions

Solid Waste - See Assumptions

Construction Off-road Equipment Mitigation - See Assumptions

Energy Mitigation - See Assumptions

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	5.00	100.00
tblConstructionPhase	NumDays	100.00	244.00
tblLandUse	LandUseSquareFeet	24,430.00	24,433.00
tblLandUse	LotAcreage	0.56	0.63
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	720.49	458.58
tblSolidWaste	SolidWasteGenerationRate	31.76	36.65
tblTripsAndVMT	VendorTripNumber	4.00	0.00
tblTripsAndVMT	WorkerTripNumber	10.00	0.00
tblTripsAndVMT	WorkerTripNumber	2.00	0.00
tblVehicleTrips	WD_TR	15.43	0.00
tblWater	AerobicPercent	87.46	97.54
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	2.46
tblWater	IndoorWaterUseRate	708,394.69	356,722.00
tblWater	OutdoorWaterUseRate	1,821,586.34	0.00
tblWater	SepticTankPercent	10.33	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	6.3379	4.8808	5.9997	9.7500e-003	0.0000	0.2880	0.2880	0.0000	0.2876	0.2876	0.0000	925.6541	925.6541	0.0842	0.0000	927.7601
Maximum	**6.3379**	**4.8808**	**5.9997**	**9.7500e-003**	**0.0000**	**0.2880**	**0.2880**	**0.0000**	**0.2876**	**0.2876**	**0.0000**	**925.6541**	**925.6541**	**0.0842**	**0.0000**	**927.7601**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	5.8614	4.5428	6.1345	9.7500e-003	0.0000	0.0478	0.0478	0.0000	0.0478	0.0478	0.0000	925.6541	925.6541	0.0842	0.0000	927.7601
Maximum	**5.8614**	**4.5428**	**6.1345**	**9.7500e-003**	**0.0000**	**0.0478**	**0.0478**	**0.0000**	**0.0478**	**0.0478**	**0.0000**	**925.6541**	**925.6541**	**0.0842**	**0.0000**	**927.7601**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**7.52**	**6.93**	**-2.25**	**0.00**	**0.00**	**83.42**	**83.42**	**0.00**	**83.39**	**83.39**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.6782	2.0000e-005	2.5000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.3500e-003	5.3500e-003	1.0000e-005		5.7000e-003
Energy	4.9700e-003	0.0452	0.0379	2.7000e-004		3.4300e-003	3.4300e-003		3.4300e-003	3.4300e-003		54.1818	54.1818	1.0400e-003	9.9000e-004	54.5038
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.6832**	**0.0452**	**0.0404**	**2.7000e-004**	**0.0000**	**3.4400e-003**	**3.4400e-003**	**0.0000**	**3.4400e-003**	**3.4400e-003**		**54.1872**	**54.1872**	**1.0500e-003**	**9.9000e-004**	**54.5095**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.6782	2.0000e-005	2.5000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.3500e-003	5.3500e-003	1.0000e-005		5.7000e-003
Energy	4.8700e-003	0.0443	0.0372	2.7000e-004		3.3700e-003	3.3700e-003		3.3700e-003	3.3700e-003		53.1738	53.1738	1.0200e-003	9.7000e-004	53.4898
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.6831**	**0.0443**	**0.0397**	**2.7000e-004**	**0.0000**	**3.3800e-003**	**3.3800e-003**	**0.0000**	**3.3800e-003**	**3.3800e-003**		**53.1791**	**53.1791**	**1.0300e-003**	**9.7000e-004**	**53.4955**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.01**	**1.86**	**1.76**	**0.00**	**0.00**	**1.74**	**1.74**	**0.00**	**1.74**	**1.74**	**0.00**	**1.86**	**1.86**	**1.90**	**2.02**	**1.86**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	1/1/2021	12/8/2021	5	244	
2	Architectural Coating	Architectural Coating	6/1/2021	10/18/2021	5	100	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 36,650; Non-Residential Outdoor: 12,217; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Aerial Lifts	1	4.00	63	0.31
Building Construction	Air Compressors	2	6.00	78	0.48
Building Construction	Cranes	0	4.00	231	0.29
Building Construction	Forklifts	0	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use DPF for Construction Equipment

3.2 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4565	3.3540	4.1821	6.7800e-003		0.1939	0.1939		0.1935	0.1935		644.2060	644.2060	0.0649		645.8292
Total	**0.4565**	**3.3540**	**4.1821**	**6.7800e-003**		**0.1939**	**0.1939**		**0.1935**	**0.1935**		**644.2060**	**644.2060**	**0.0649**		**645.8292**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1395	3.1859	4.3021	6.7800e-003		0.0335	0.0335		0.0335	0.0335	0.0000	644.2060	644.2060	0.0649		645.8292
Total	**0.1395**	**3.1859**	**4.3021**	**6.7800e-003**		**0.0335**	**0.0335**		**0.0335**	**0.0335**	**0.0000**	**644.2060**	**644.2060**	**0.0649**		**645.8292**

3.3 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	5.6625					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	**5.8814**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**		**281.4481**	**281.4481**	**0.0193**		**281.9309**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	5.6625					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0143	0.0143		0.0143	0.0143	0.0000	281.4481	281.4481	0.0193		281.9309
Total	**5.7219**	**1.3570**	**1.8324**	**2.9700e-003**		**0.0143**	**0.0143**		**0.0143**	**0.0143**	**0.0000**	**281.4481**	**281.4481**	**0.0193**		**281.9309**

5.0 Energy Detail

Historical Energy Use: Y

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	4.8700e-003	0.0443	0.0372	2.7000e-004		3.3700e-003	3.3700e-003		3.3700e-003	3.3700e-003		53.1738	53.1738	1.0200e-003	9.7000e-004	53.4898
NaturalGas Unmitigated	4.9700e-003	0.0452	0.0379	2.7000e-004		3.4300e-003	3.4300e-003		3.4300e-003	3.4300e-003		54.1818	54.1818	1.0400e-003	9.9000e-004	54.5038

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Elementary School	460.545	4.9700e-003	0.0452	0.0379	2.7000e-004		3.4300e-003	3.4300e-003		3.4300e-003	3.4300e-003		54.1818	54.1818	1.0400e-003	9.9000e-004	54.5038
Total		**4.9700e-003**	**0.0452**	**0.0379**	**2.7000e-004**		**3.4300e-003**	**3.4300e-003**		**3.4300e-003**	**3.4300e-003**		**54.1818**	**54.1818**	**1.0400e-003**	**9.9000e-004**	**54.5038**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Elementary School	0.451977	4.8700e-003	0.0443	0.0372	2.7000e-004		3.3700e-003	3.3700e-003		3.3700e-003	3.3700e-003		53.1738	53.1738	1.0200e-003	9.7000e-004	53.4898
Total		**4.8700e-003**	**0.0443**	**0.0372**	**2.7000e-004**		**3.3700e-003**	**3.3700e-003**		**3.3700e-003**	**3.3700e-003**		**53.1738**	**53.1738**	**1.0200e-003**	**9.7000e-004**	**53.4898**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.6782	2.0000e-005	2.5000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.3500e-003	5.3500e-003	1.0000e-005		5.7000e-003
Unmitigated	0.6782	2.0000e-005	2.5000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.3500e-003	5.3500e-003	1.0000e-005		5.7000e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1551					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5229					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.3000e-004	2.0000e-005	2.5000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.3500e-003	5.3500e-003	1.0000e-005		5.7000e-003
Total	**0.6782**	**2.0000e-005**	**2.5000e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**		**5.3500e-003**	**5.3500e-003**	**1.0000e-005**		**5.7000e-003**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1551					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5229					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.3000e-004	2.0000e-005	2.5000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.3500e-003	5.3500e-003	1.0000e-005		5.7000e-003
Total	**0.6782**	**2.0000e-005**	**2.5000e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**		**5.3500e-003**	**5.3500e-003**	**1.0000e-005**		**5.7000e-003**

5. CalEEMod Output
c. Existing Operation

Franklin School - Existing Conditions - San Diego County, Winter

Franklin School - Existing Conditions

San Diego County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	35.17	1000sqft	4.00	35,170.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	40
Climate Zone	13			**Operational Year**	2019
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	468.55	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - See Assumptions

Land Use - See Assumptions

Construction Phase - No Construction

Off-road Equipment - no construction

Trips and VMT - no construction

Vehicle Trips - no new trips

Energy Use - Historical data used due to age of buildings

Water And Wastewater - See Assumptions

Solid Waste - See Assumptions

Table Name	Column Name	Default Value	New Value
tblLandUse	LotAcreage	0.81	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	720.49	468.55
tblSolidWaste	SolidWasteGenerationRate	45.72	52.75
tblTripsAndVMT	WorkerTripNumber	3.00	0.00
tblVehicleTrips	WD_TR	15.43	0.00
tblWater	AerobicPercent	87.46	97.54
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	2.46
tblWater	IndoorWaterUseRate	1,019,821.58	513,453.00
tblWater	OutdoorWaterUseRate	2,622,398.34	0.00
tblWater	SepticTankPercent	10.33	0.00

2.0 Emissions Summary

No Construction

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.9763	3.0000e-005	3.6300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		7.7000e-003	7.7000e-003	2.0000e-005		8.2200e-003
Energy	7.1500e-003	0.0650	0.0546	3.9000e-004		4.9400e-003	4.9400e-003		4.9400e-003	4.9400e-003		77.9918	77.9918	1.4900e-003	1.4300e-003	78.4553
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.9834**	**0.0650**	**0.0582**	**3.9000e-004**	**0.0000**	**4.9500e-003**	**4.9500e-003**	**0.0000**	**4.9500e-003**	**4.9500e-003**		**77.9995**	**77.9995**	**1.5100e-003**	**1.4300e-003**	**78.4635**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.9763	3.0000e-005	3.6300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		7.7000e-003	7.7000e-003	2.0000e-005		8.2200e-003
Energy	7.1500e-003	0.0650	0.0546	3.9000e-004		4.9400e-003	4.9400e-003		4.9400e-003	4.9400e-003		77.9918	77.9918	1.4900e-003	1.4300e-003	78.4553
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.9834**	**0.0650**	**0.0582**	**3.9000e-004**	**0.0000**	**4.9500e-003**	**4.9500e-003**	**0.0000**	**4.9500e-003**	**4.9500e-003**		**77.9995**	**77.9995**	**1.5100e-003**	**1.4300e-003**	**78.4635**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

No Construction

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Elementary School	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Elementary School	9.50	7.30	7.30	65.00	30.00	5.00	63	25	12

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Elementary School	0.581689	0.044135	0.186694	0.113515	0.018244	0.005600	0.015197	0.022573	0.001888	0.002088	0.006279	0.000742	0.001357

5.0 Energy Detail

Historical Energy Use: Y

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	7.1500e-003	0.0650	0.0546	3.9000e-004		4.9400e-003	4.9400e-003		4.9400e-003	4.9400e-003		77.9918	77.9918	1.4900e-003	1.4300e-003	78.4553
NaturalGas Unmitigated	7.1500e-003	0.0650	0.0546	3.9000e-004		4.9400e-003	4.9400e-003		4.9400e-003	4.9400e-003		77.9918	77.9918	1.4900e-003	1.4300e-003	78.4553

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Elementary School	662.93	7.1500e-003	0.0650	0.0546	3.9000e-004		4.9400e-003	4.9400e-003		4.9400e-003	4.9400e-003		77.9918	77.9918	1.4900e-003	1.4300e-003	78.4553
Total		**7.1500e-003**	**0.0650**	**0.0546**	**3.9000e-004**		**4.9400e-003**	**4.9400e-003**		**4.9400e-003**	**4.9400e-003**		**77.9918**	**77.9918**	**1.4900e-003**	**1.4300e-003**	**78.4553**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Elementary School	0.66293	7.1500e-003	0.0650	0.0546	3.9000e-004		4.9400e-003	4.9400e-003		4.9400e-003	4.9400e-003		77.9918	77.9918	1.4900e-003	1.4300e-003	78.4553
Total		**7.1500e-003**	**0.0650**	**0.0546**	**3.9000e-004**		**4.9400e-003**	**4.9400e-003**		**4.9400e-003**	**4.9400e-003**		**77.9918**	**77.9918**	**1.4900e-003**	**1.4300e-003**	**78.4553**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.9763	3.0000e-005	3.6300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		7.7000e-003	7.7000e-003	2.0000e-005		8.2200e-003
Unmitigated	0.9763	3.0000e-005	3.6300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		7.7000e-003	7.7000e-003	2.0000e-005		8.2200e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2233					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.7526					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.4000e-004	3.0000e-005	3.6300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		7.7000e-003	7.7000e-003	2.0000e-005		8.2200e-003
Total	**0.9763**	**3.0000e-005**	**3.6300e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**		**7.7000e-003**	**7.7000e-003**	**2.0000e-005**		**8.2200e-003**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

SubCategory	lb/day										lb/day					
Architectural Coating	0.2233					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.7526					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.4000e-004	3.0000e-005	3.6300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		7.7000e-003	7.7000e-003	2.0000e-005		8.2200e-003
Total	**0.9763**	**3.0000e-005**	**3.6300e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**		**7.7000e-003**	**7.7000e-003**	**2.0000e-005**		**8.2200e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Franklin School - Existing Conditions

San Diego County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	35.17	1000sqft	4.00	35,170.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	40
Climate Zone	13			**Operational Year**	2019
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	468.55	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - See Assumptions

Land Use - See Assumptions

Construction Phase - No Construction

Off-road Equipment - no construction

Trips and VMT - no construction

Vehicle Trips - no new trips

Energy Use - Historical data used due to age of buildings

Water And Wastewater - See Assumptions

Solid Waste - See Assumptions

Table Name	Column Name	Default Value	New Value
tblLandUse	LotAcreage	0.81	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	720.49	468.55
tblSolidWaste	SolidWasteGenerationRate	45.72	52.75
tblTripsAndVMT	WorkerTripNumber	3.00	0.00
tblVehicleTrips	WD_TR	15.43	0.00
tblWater	AerobicPercent	87.46	97.54
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	2.46
tblWater	IndoorWaterUseRate	1,019,821.58	513,453.00
tblWater	OutdoorWaterUseRate	2,622,398.34	0.00
tblWater	SepticTankPercent	10.33	0.00

2.0 Emissions Summary

No Construction

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.9763	3.0000e-005	3.6300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		7.7000e-003	7.7000e-003	2.0000e-005		8.2200e-003
Energy	7.1500e-003	0.0650	0.0546	3.9000e-004		4.9400e-003	4.9400e-003		4.9400e-003	4.9400e-003		77.9918	77.9918	1.4900e-003	1.4300e-003	78.4553
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.9834**	**0.0650**	**0.0582**	**3.9000e-004**	**0.0000**	**4.9500e-003**	**4.9500e-003**	**0.0000**	**4.9500e-003**	**4.9500e-003**		**77.9995**	**77.9995**	**1.5100e-003**	**1.4300e-003**	**78.4635**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.9763	3.0000e-005	3.6300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		7.7000e-003	7.7000e-003	2.0000e-005		8.2200e-003
Energy	7.1500e-003	0.0650	0.0546	3.9000e-004		4.9400e-003	4.9400e-003		4.9400e-003	4.9400e-003		77.9918	77.9918	1.4900e-003	1.4300e-003	78.4553
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.9834**	**0.0650**	**0.0582**	**3.9000e-004**	**0.0000**	**4.9500e-003**	**4.9500e-003**	**0.0000**	**4.9500e-003**	**4.9500e-003**		**77.9995**	**77.9995**	**1.5100e-003**	**1.4300e-003**	**78.4635**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

No Construction

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Elementary School	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-...	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Elementary School	9.50	7.30	7.30	65.00	30.00	5.00	63	25	12

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Elementary School	0.581689	0.044135	0.186694	0.113515	0.018244	0.005600	0.015197	0.022573	0.001888	0.002088	0.006279	0.000742	0.001357

5.0 Energy Detail

Historical Energy Use: Y

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	7.1500e-003	0.0650	0.0546	3.9000e-004		4.9400e-003	4.9400e-003		4.9400e-003	4.9400e-003		77.9918	77.9918	1.4900e-003	1.4300e-003	78.4553

NaturalGas Unmitigated	7.1500e-003	0.0650	0.0546	3.9000e-004		4.9400e-003	4.9400e-003		4.9400e-003	4.9400e-003		77.9918	77.9918	1.4900e-003	1.4300e-003	78.4553

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Elementary School	662.93	7.1500e-003	0.0650	0.0546	3.9000e-004		4.9400e-003	4.9400e-003		4.9400e-003	4.9400e-003		77.9918	77.9918	1.4900e-003	1.4300e-003	78.4553
Total		**7.1500e-003**	**0.0650**	**0.0546**	**3.9000e-004**		**4.9400e-003**	**4.9400e-003**		**4.9400e-003**	**4.9400e-003**		**77.9918**	**77.9918**	**1.4900e-003**	**1.4300e-003**	**78.4553**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Elementary School	0.66293	7.1500e-003	0.0650	0.0546	3.9000e-004		4.9400e-003	4.9400e-003		4.9400e-003	4.9400e-003		77.9918	77.9918	1.4900e-003	1.4300e-003	78.4553
Total		**7.1500e-003**	**0.0650**	**0.0546**	**3.9000e-004**		**4.9400e-003**	**4.9400e-003**		**4.9400e-003**	**4.9400e-003**		**77.9918**	**77.9918**	**1.4900e-003**	**1.4300e-003**	**78.4553**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.9763	3.0000e-005	3.6300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		7.7000e-003	7.7000e-003	2.0000e-005		8.2200e-003
Unmitigated	0.9763	3.0000e-005	3.6300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		7.7000e-003	7.7000e-003	2.0000e-005		8.2200e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2233					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.7526					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.4000e-004	3.0000e-005	3.6300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		7.7000e-003	7.7000e-003	2.0000e-005		8.2200e-003
Total	**0.9763**	**3.0000e-005**	**3.6300e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**		**7.7000e-003**	**7.7000e-003**	**2.0000e-005**		**8.2200e-003**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

SubCategory	lb/day										lb/day					
Architectural Coating	0.2233					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.7526					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.4000e-004	3.0000e-005	3.6300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		7.7000e-003	7.7000e-003	2.0000e-005		8.2200e-003
Total	**0.9763**	**3.0000e-005**	**3.6300e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**		**7.7000e-003**	**7.7000e-003**	**2.0000e-005**		**8.2200e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

6. EMFAC2017
a. Construction On-Road Emissions 2020

Franklin School

2021 Total On-Road Emissions

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Idling per Day (minutes)
P1 - Portable Classrooms					
Total Haul Trips	10				
Hauling	3	14	8	20	15
Vendor	0	14	8	7.3	15
Worker	16	14	8	10.8	0
P1 - Site Mod					
Total Haul Trips	0				
Hauling	0	14	8	20	15
Vendor	4	14	8	7.3	15
Worker	20	14	8	10.8	0
P1 - Demolition					
Total Haul Trips	205				
Hauling	31	20	8	20	15
Vendor	0	20	8	7.3	15
Worker	13	20	8	10.8	0
P2 - Grading					
Total Haul Trips	0				
Hauling	0	5	8	20	15
Vendor	0	5	8	7.3	15
Worker	8	5	8	10.8	0
P2 - Site Mod					
Total Haul Trips	0				
Hauling	0	25	8	20	15
Vendor	4	25	8	7.3	15
Worker	20	25	8	10.8	0
P2 - Buliding Construction					
Total Haul Trips	0				
Hauling	0	200	8	20	15
Vendor	10	200	8	7.3	15
Worker	26	200	8	10.8	0
P2 - Paving					
Total Haul Trips	0				
Hauling	0	10	8	20	15
Vendor	0	10	8	7.3	15
Worker	13	10	8	10.8	0
P2 - Architectural Coating					
Total Haul Trips	0				
Hauling	0	10	8	20	15
Vendor	0	10	8	7.3	15
Worker	5	10	8	10.8	0
P2 - Demolition (Portable 2)					
Total Haul Trips	6				
Hauling	3	2	8	20	15
Vendor	0	2	8	7.3	15
Worker	8	2	8	10.8	0
P3 - Site Mod					
Total Haul Trips	0				
Hauling	0	205	8	20	15
Vendor	4	205	8	7.3	15
Worker	20	205	8	10.8	0
P3 - Site Mod Arch Coating					
Total Haul Trips	0				
Hauling	0	100	8	20	15
Vendor	0	100	8	7.3	15
Worker	4	100	8	10.8	0
P3 - Demolition (Portables 1, 3, 4, and 5)					
Total Haul Trips	15				
Hauling	3	5	8	20	15
Vendor	0	5	8	7.3	15
Worker	8	5	8	10.8	0

Franklin School

2021 Total On-Road Emissions

Construction Phase	Regional Emissions (pounds/day)										(MT/yr)
	ROG	NOX	CO	SO2	PM10 Dust	PM10 Exh	Total PM10	PM2.5 Dust	PM2.5 Exh	Total PM2.5	Total CO2e
P1 - Portable Classrooms											
Total Haul Trips											
Hauling	2.05E-02	5.65E-01	1.22E-01	1.91E-03	5.24E-02	8.51E-03	6.09E-02	1.44E-02	5.42E-03	1.98E-02	1.39E+00
Vendor	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Worker	6.88E-03	2.85E-02	3.36E-01	1.15E-03	1.31E-01	7.05E-04	1.32E-01	3.48E-02	6.49E-04	3.54E-02	7.41E-01
P1 - Site Mod											
Total Haul Trips											
Hauling	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Vendor	1.19E-02	2.38E-01	6.74E-02	8.46E-04	2.70E-02	4.41E-03	3.14E-02	7.76E-03	3.56E-03	1.13E-02	6.03E-01
Worker	8.60E-03	3.56E-02	4.20E-01	1.43E-03	1.64E-01	8.81E-04	1.65E-01	4.35E-02	8.11E-04	4.43E-02	9.26E-01
P1 - Demolition											
Total Haul Trips											
Hauling	2.12E-01	5.84E+00	1.26E+00	1.97E-02	5.42E-01	8.79E-02	6.29E-01	1.48E-01	5.60E-02	2.04E-01	2.05E+01
Vendor	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Worker	5.59E-03	2.31E-02	2.73E-01	9.32E-04	1.07E-01	5.72E-04	1.07E-01	2.83E-02	5.27E-04	2.88E-02	8.60E-01
P2 - Grading											
Total Haul Trips											
Hauling	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Vendor	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Worker	3.44E-03	1.42E-02	1.68E-01	5.73E-04	6.56E-02	3.52E-04	6.60E-02	1.74E-02	3.24E-04	1.77E-02	1.32E-01
P2 - Site Mod											
Total Haul Trips											
Hauling	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Vendor	1.19E-02	2.38E-01	6.74E-02	8.46E-04	2.70E-02	4.41E-03	3.14E-02	7.76E-03	3.56E-03	1.13E-02	1.08E+00
Worker	8.60E-03	3.56E-02	4.20E-01	1.43E-03	1.64E-01	8.81E-04	1.65E-01	4.35E-02	8.11E-04	4.43E-02	1.65E+00
P2 - Buliding Construction											
Total Haul Trips											
Hauling	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Vendor	2.98E-02	5.96E-01	1.68E-01	2.12E-03	6.75E-02	1.10E-02	7.85E-02	1.94E-02	8.90E-03	2.83E-02	2.15E+01
Worker	1.12E-02	4.63E-02	5.46E-01	1.86E-03	2.13E-01	1.14E-03	2.14E-01	5.66E-02	1.05E-03	5.76E-02	1.72E+01
P2 - Paving											
Total Haul Trips											
Hauling	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Vendor	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Worker	5.59E-03	2.31E-02	2.73E-01	9.32E-04	1.07E-01	5.72E-04	1.07E-01	2.83E-02	5.27E-04	2.88E-02	4.30E-01
P2 - Architectural Coating											
Total Haul Trips											
Hauling	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Vendor	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Worker	2.15E-03	8.90E-03	1.05E-01	3.58E-04	4.10E-02	2.20E-04	4.12E-02	1.09E-02	2.03E-04	1.11E-02	1.65E-01
P2 - Demolition (Portable 2)											
Total Haul Trips											
Hauling	2.05E-02	5.65E-01	1.22E-01	1.91E-03	5.24E-02	8.51E-03	6.09E-02	1.44E-02	5.42E-03	1.98E-02	1.99E-01
Vendor	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Worker	3.44E-03	1.42E-02	1.68E-01	5.73E-04	6.56E-02	3.52E-04	6.60E-02	1.74E-02	3.24E-04	1.77E-02	5.29E-02
P3 - Site Mod											
Total Haul Trips											
Hauling	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Vendor	1.19E-02	2.38E-01	6.74E-02	8.46E-04	2.70E-02	4.41E-03	3.14E-02	7.76E-03	3.56E-03	1.13E-02	8.83E+00
Worker	8.60E-03	3.56E-02	4.20E-01	1.43E-03	1.64E-01	8.81E-04	1.65E-01	4.35E-02	8.11E-04	4.43E-02	1.36E+01
P3 - Site Mod Arch Coating											
Total Haul Trips											
Hauling	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Vendor	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Worker	1.72E-03	7.12E-03	8.40E-02	2.87E-04	3.28E-02	1.76E-04	3.30E-02	8.70E-03	1.62E-04	8.86E-03	1.32E+00
P3 - Demolition (Portables 1, 3, 4											
Total Haul Trips											
Hauling	2.05E-02	5.65E-01	1.22E-01	1.91E-03	5.24E-02	8.51E-03	6.09E-02	1.44E-02	5.42E-03	1.98E-02	4.97E-01
Vendor	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Worker	3.44E-03	1.42E-02	1.68E-01	5.73E-04	6.56E-02	3.52E-04	6.60E-02	1.74E-02	3.24E-04	1.77E-02	1.32E-01

Franklin School
2021 Running Emissions

	Running Emissions Factor (grams/mile)					
	ROG	**NOX**	**CO**	**SO2**	**PM10**	**PM2.5**
Hauling	0.14116338	4.084471031	0.7454088	0.01408842	0.06403219	0.04071654
Vendor	0.16521431	3.416108421	0.78445173	0.01268151	0.06808103	0.05485915
Worker	0.01804962	0.07473613	0.88219509	0.0030099	0.00184949	0.0017034
GWP	N/A	N/A	N/A	N/A	N/A	N/A

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Regional Emissions (pounds/day)					
					ROG	**NOX**	**CO**	**SO2**	**PM10**	**PM2.5**
P1 - Portable Classrooms										
Total Haul Trips	10									
Hauling	3	14	8	20	0.02	0.54	0.10	0.00	0.01	0.01
Vendor	0	14	8	7.3	0.00	0.00	0.00	0.00	0.00	0.00
Worker	16	14	8	10.8	0.01	0.03	0.34	0.00	0.00	0.00
P1 - Site Mod										
Total Haul Trips	0									
Hauling	0	14	8	20	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	4	14	8	7.3	0.01	0.22	0.05	0.00	0.00	0.00
Worker	20	14	8	10.8	0.01	0.04	0.42	0.00	0.00	0.00
P1 - Demolition										
Total Haul Trips	205									
Hauling	31	20	8	20	0.19	5.58	1.02	0.02	0.09	0.06
Vendor	0	20	8	7.3	0.00	0.00	0.00	0.00	0.00	0.00
Worker	13	20	8	10.8	0.01	0.02	0.27	0.00	0.00	0.00
P2 - Grading										
Total Haul Trips	0									
Hauling	0	5	8	20	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	5	8	7.3	0.00	0.00	0.00	0.00	0.00	0.00
Worker	8	5	8	10.8	0.00	0.01	0.17	0.00	0.00	0.00

Franklin School
2021 Running Emissions

	Running Emissions Factor (grams/mile)					
	ROG	NOX	CO	SO2	PM10	PM2.5
Hauling	0.14116338	4.084471031	0.7454088	0.01408842	0.06403219	0.04071654
Vendor	0.16521431	3.416108421	0.78445173	0.01268151	0.06808103	0.05485915
Worker	0.01804962	0.07473613	0.88219509	0.0030099	0.00184949	0.0017034
GWP	N/A	N/A	N/A	N/A	N/A	N/A

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Regional Emissions (pounds/day)					
					ROG	NOX	CO	SO2	PM10	PM2.5
P2 - Site Mod										
Total Haul Trips	0									
Hauling	0	25	8	20	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	4	25	8	7.3	0.01	0.22	0.05	0.00	0.00	0.00
Worker	20	25	8	10.8	0.01	0.04	0.42	0.00	0.00	0.00
P2 - Buliding Construction										
Total Haul Trips	0									
Hauling	0	200	8	20	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	10	200	8	7.3	0.03	0.55	0.13	0.00	0.01	0.01
Worker	26	200	8	10.8	0.01	0.05	0.55	0.00	0.00	0.00
P2 - Paving										
Total Haul Trips	0									
Hauling	0	10	8	20	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	10	8	7.3	0.00	0.00	0.00	0.00	0.00	0.00
Worker	13	10	8	10.8	0.01	0.02	0.27	0.00	0.00	0.00
P2 - Architectural Coating										
Total Haul Trips	0									
Hauling	0	10	8	20	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	10	8	7.3	0.00	0.00	0.00	0.00	0.00	0.00
Worker	5	10	8	10.8	0.00	0.01	0.11	0.00	0.00	0.00

Franklin School
2021 Running Emissions

	Running Emissions Factor (grams/mile)					
	ROG	NOX	CO	SO2	PM10	PM2.5
Hauling	0.14116338	4.084471031	0.7454088	0.01408842	0.06403219	0.04071654
Vendor	0.16521431	3.416108421	0.78445173	0.01268151	0.06808103	0.05485915
Worker	0.01804962	0.07473613	0.88219509	0.0030099	0.00184949	0.0017034
GWP	N/A	N/A	N/A	N/A	N/A	N/A

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Regional Emissions (pounds/day) ROG	NOX	CO	SO2	PM10	PM2.5
P2 - Demolition (Portable 2)										
Total Haul Trips	6									
Hauling	3	2	8	20	0.02	0.54	0.10	0.00	0.01	0.01
Vendor	0	2	8	7.3	0.00	0.00	0.00	0.00	0.00	0.00
Worker	8	2	8	10.8	0.00	0.01	0.17	0.00	0.00	0.00
P3 - Site Mod										
Total Haul Trips	0									
Hauling	0	205	8	20	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	4	205	8	7.3	0.01	0.22	0.05	0.00	0.00	0.00
Worker	20	205	8	10.8	0.01	0.04	0.42	0.00	0.00	0.00
P3 - Site Mod Arch Coating										
Total Haul Trips	0									
Hauling	0	100	8	20	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	100	8	7.3	0.00	0.00	0.00	0.00	0.00	0.00
Worker	4	100	8	10.8	0.00	0.01	0.08	0.00	0.00	0.00
P3 - Demolition (Portables 1, 3, 4, and 5)										
Total Haul Trips	15									
Hauling	3	5	8	20	0.02	0.54	0.10	0.00	0.01	0.01
Vendor	0	5	8	7.3	0.00	0.00	0.00	0.00	0.00	0.00
Worker	8	5	8	10.8	0.00	0.01	0.17	0.00	0.00	0.00

Franklin School
2021 Running Emissions

	Running Emissions Factor (grams/mile)		
	CO2	CH4	N2O
Hauling	1546.96313	0.07388885	0.24557044
Vendor	1363.94864	0.0424745	0.19704638
Worker	304.239994	0.00431097	0.00670332
GWP	1	25	290

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Regional Emissions (MT/year) CO2	CH4	N2O	CO2e
P1 - Portable Classrooms								
Total Haul Trips	10							
Hauling	3	14	8	20	1.30	0.00	0.06	1.36
Vendor	0	14	8	7.3	0.00	0.00	0.00	0.00
Worker	16	14	8	10.8	0.74	0.00	0.00	0.74
P1 - Site Mod								
Total Haul Trips	0							
Hauling	0	14	8	20	0.00	0.00	0.00	0.00
Vendor	4	14	8	7.3	0.56	0.00	0.02	0.58
Worker	20	14	8	10.8	0.92	0.00	0.01	0.93
P1 - Demolition								
Total Haul Trips	205							
Hauling	31	20	8	20	19.18	0.02	0.88	20.09
Vendor	0	20	8	7.3	0.00	0.00	0.00	0.00
Worker	13	20	8	10.8	0.85	0.00	0.01	0.86
P2 - Grading								
Total Haul Trips	0							
Hauling	0	5	8	20	0.00	0.00	0.00	0.00
Vendor	0	5	8	7.3	0.00	0.00	0.00	0.00
Worker	8	5	8	10.8	0.13	0.00	0.00	0.13

Franklin School
2021 Running Emissions

	Running Emissions Factor (grams/mile)		
	CO2	CH4	N2O
Hauling	1546.96313	0.07388885	0.24557044
Vendor	1363.94864	0.0424745	0.19704638
Worker	304.239994	0.00431097	0.00670332
GWP	1	25	290

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Regional Emissions (MT/year) CO2	CH4	N2O	CO2e
P2 - Site Mod								
Total Haul Trips	0							
Hauling	0	25	8	20	0.00	0.00	0.00	0.00
Vendor	4	25	8	7.3	1.00	0.00	0.04	1.04
Worker	20	25	8	10.8	1.64	0.00	0.01	1.65
P2 - Buliding Construction								
Total Haul Trips	0							
Hauling	0	200	8	20	0.00	0.00	0.00	0.00
Vendor	10	200	8	7.3	19.91	0.02	0.83	20.76
Worker	26	200	8	10.8	17.09	0.01	0.11	17.20
P2 - Paving								
Total Haul Trips	0							
Hauling	0	10	8	20	0.00	0.00	0.00	0.00
Vendor	0	10	8	7.3	0.00	0.00	0.00	0.00
Worker	13	10	8	10.8	0.43	0.00	0.00	0.43
P2 - Architectural Coating								
Total Haul Trips	0							
Hauling	0	10	8	20	0.00	0.00	0.00	0.00
Vendor	0	10	8	7.3	0.00	0.00	0.00	0.00
Worker	5	10	8	10.8	0.16	0.00	0.00	0.17

Franklin School
2021 Running Emissions

	Running Emissions Factor (grams/mile)		
	CO2	CH4	N2O
Hauling	1546.96313	0.07388885	0.24557044
Vendor	1363.94864	0.0424745	0.19704638
Worker	304.239994	0.00431097	0.00670332
GWP	1	25	290

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Regional Emissions (MT/year) CO2	CH4	N2O	CO2e
P2 - Demolition (Portable 2)								
Total Haul Trips	6							
Hauling	3	2	8	20	0.19	0.00	0.01	0.19
Vendor	0	2	8	7.3	0.00	0.00	0.00	0.00
Worker	8	2	8	10.8	0.05	0.00	0.00	0.05
P3 - Site Mod								
Total Haul Trips	0							
Hauling	0	205	8	20	0.00	0.00	0.00	0.00
Vendor	4	205	8	7.3	8.16	0.01	0.34	8.51
Worker	20	205	8	10.8	13.47	0.00	0.09	13.56
P3 - Site Mod Arch Coating								
Total Haul Trips	0							
Hauling	0	100	8	20	0.00	0.00	0.00	0.00
Vendor	0	100	8	7.3	0.00	0.00	0.00	0.00
Worker	4	100	8	10.8	1.31	0.00	0.01	1.32
P3 - Demolition (Portables 1, 3, 4, and 5)								
Total Haul Trips	15							
Hauling	3	5	8	20	0.46	0.00	0.02	0.49
Vendor	0	5	8	7.3	0.00	0.00	0.00	0.00
Worker	8	5	8	10.8	0.13	0.00	0.00	0.13

Franklin School
2021 Idling Emissions

	Idling Emissions Factor (grams/minute)					
	ROG	**NOX**	**CO**	**SO2**	**PM10**	**PM2.5**
Hauling	0.01829615	0.249054753	0.23890001	0.00042228	0.00039153	0.0003746
Vendor	0.00962411	0.139414096	0.12759777	0.0002273	0.00023854	0.00022822
Worker	0	0.000000	0	0	0	0
GWP	N/A	N/A	N/A	N/A	N/A	N/A

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	Idling minutes per Day (miles)	Regional Emissions (pounds/day)					
					ROG	**NOX**	**CO**	**SO2**	**PM10**	**PM2.5**
P1 - Portable Classrooms										
Total Haul Trips	10									
Hauling	3	14	8	15	0.00	0.02	0.02	0.00	0.00	0.00
Vendor	0	14	8	15	0.00	0.00	0.00	0.00	0.00	0.00
Worker	16	14	8	0	0.00	0.00	0.00	0.00	0.00	0.00
P1 - Site Mod										
Total Haul Trips	0									
Hauling	0	14	8	15	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	4	14	8	15	0.00	0.02	0.02	0.00	0.00	0.00
Worker	20	14	8	0	0.00	0.00	0.00	0.00	0.00	0.00
P1 - Demolition										
Total Haul Trips	205									
Hauling	31	20	8	15	0.02	0.26	0.24	0.00	0.00	0.00
Vendor	0	20	8	15	0.00	0.00	0.00	0.00	0.00	0.00
Worker	13	20	8	0	0.00	0.00	0.00	0.00	0.00	0.00
P2 - Grading										
Total Haul Trips	0									
Hauling	0	5	8	15	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	5	8	15	0.00	0.00	0.00	0.00	0.00	0.00
Worker	8	5	8	0	0.00	0.00	0.00	0.00	0.00	0.00

Franklin School
2021 Idling Emissions

	Idling Emissions Factor (grams/minute)					
	ROG	**NOX**	**CO**	**SO2**	**PM10**	**PM2.5**
Hauling	0.01829615	0.249054753	0.23890001	0.00042228	0.00039153	0.0003746
Vendor	0.00962411	0.139414096	0.12759777	0.0002273	0.00023854	0.00022822
Worker	0	0.000000	0	0	0	0
GWP	N/A	N/A	N/A	N/A	N/A	N/A

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	Idling minutes per Day (miles)	Regional Emissions (pounds/day)					
					ROG	**NOX**	**CO**	**SO2**	**PM10**	**PM2.5**
P2 - Site Mod										
Total Haul Trips	0									
Hauling	0	25	8	15	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	4	25	8	15	0.00	0.02	0.02	0.00	0.00	0.00
Worker	20	25	8	0	0.00	0.00	0.00	0.00	0.00	0.00
P2 - Buliding Construction										
Total Haul Trips	0									
Hauling	0	200	8	15	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	10	200	8	15	0.00	0.05	0.04	0.00	0.00	0.00
Worker	26	200	8	0	0.00	0.00	0.00	0.00	0.00	0.00
P2 - Paving										
Total Haul Trips	0									
Hauling	0	10	8	15	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	10	8	15	0.00	0.00	0.00	0.00	0.00	0.00
Worker	13	10	8	0	0.00	0.00	0.00	0.00	0.00	0.00
P2 - Architectural Coating										
Total Haul Trips	0									
Hauling	0	10	8	15	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	10	8	15	0.00	0.00	0.00	0.00	0.00	0.00
Worker	5	10	8	0	0.00	0.00	0.00	0.00	0.00	0.00

Franklin School
2021 Idling Emissions

	Idling Emissions Factor (grams/minute)					
	ROG	**NOX**	**CO**	**SO2**	**PM10**	**PM2.5**
Hauling	0.01829615	0.249054753	0.23890001	0.00042228	0.00039153	0.0003746
Vendor	0.00962411	0.139414096	0.12759777	0.0002273	0.00023854	0.00022822
Worker	0	0.000000	0	0	0	0
GWP	N/A	N/A	N/A	N/A	N/A	N/A

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	Idling minutes per Day (miles)	Regional Emissions (pounds/day)					
					ROG	**NOX**	**CO**	**SO2**	**PM10**	**PM2.5**
P2 - Demolition (Portable 2)										
Total Haul Trips	6									
Hauling	3	2	8	15	0.00	0.02	0.02	0.00	0.00	0.00
Vendor	0	2	8	15	0.00	0.00	0.00	0.00	0.00	0.00
Worker	8	2	8	0	0.00	0.00	0.00	0.00	0.00	0.00
P3 - Site Mod										
Total Haul Trips	0									
Hauling	0	205	8	15	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	4	205	8	15	0.00	0.02	0.02	0.00	0.00	0.00
Worker	20	205	8	0	0.00	0.00	0.00	0.00	0.00	0.00
P3 - Site Mod Arch Coating										
Total Haul Trips	0									
Hauling	0	100	8	15	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	100	8	15	0.00	0.00	0.00	0.00	0.00	0.00
Worker	4	100	8	0	0.00	0.00	0.00	0.00	0.00	0.00
P3 - Demolition (Portables 1, 3, 4, and 5)										
Total Haul Trips	15									
Hauling	3	5	8	15	0.00	0.02	0.02	0.00	0.00	0.00
Vendor	0	5	8	15	0.00	0.00	0.00	0.00	0.00	0.00
Worker	8	5	8	0	0.00	0.00	0.00	0.00	0.00	0.00

Franklin School
2021 Idling Emissions

	Idling Emissions Factor (grams/minute)		
	CO2	CH4	N2O
Hauling	45.5057164	0.00112086	0.00719059
Vendor	24.4560228	0.00064112	0.00384123
Worker	0	0	0
GWP	1	25	290

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	Idling minutes per Day (miles)	Regional Emissions (MT/year) CO2	CH4	N2O	CO2e
P1 - Portable Classrooms								
Total Haul Trips	10							
Hauling	3	14	8	15	0.03	0.00	0.00	0.03
Vendor	0	14	8	15	0.00	0.00	0.00	0.00
Worker	16	14	8	0	0.00	0.00	0.00	0.00
P1 - Site Mod								
Total Haul Trips	0							
Hauling	0	14	8	15	0.00	0.00	0.00	0.00
Vendor	4	14	8	15	0.02	0.00	0.00	0.02
Worker	20	14	8	0	0.00	0.00	0.00	0.00
P1 - Demolition								
Total Haul Trips	205							
Hauling	31	20	8	15	0.42	0.00	0.02	0.44
Vendor	0	20	8	15	0.00	0.00	0.00	0.00
Worker	13	20	8	0	0.00	0.00	0.00	0.00
P2 - Grading								
Total Haul Trips	0							
Hauling	0	5	8	15	0.00	0.00	0.00	0.00
Vendor	0	5	8	15	0.00	0.00	0.00	0.00
Worker	8	5	8	0	0.00	0.00	0.00	0.00

Franklin School
2021 Idling Emissions

	Idling Emissions Factor (grams/minute)		
	CO2	CH4	N2O
Hauling	45.5057164	0.00112086	0.00719059
Vendor	24.4560228	0.00064112	0.00384123
Worker	0	0	0
GWP	1	25	290

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	Idling minutes per Day (miles)	Regional Emissions (MT/year) CO2	CH4	N2O	CO2e
P2 - Site Mod								
Total Haul Trips	0							
Hauling	0	25	8	15	0.00	0.00	0.00	0.00
Vendor	4	25	8	15	0.04	0.00	0.00	0.04
Worker	20	25	8	0	0.00	0.00	0.00	0.00
P2 - Buliding Construction								
Total Haul Trips	0							
Hauling	0	200	8	15	0.00	0.00	0.00	0.00
Vendor	10	200	8	15	0.73	0.00	0.03	0.77
Worker	26	200	8	0	0.00	0.00	0.00	0.00
P2 - Paving								
Total Haul Trips	0							
Hauling	0	10	8	15	0.00	0.00	0.00	0.00
Vendor	0	10	8	15	0.00	0.00	0.00	0.00
Worker	13	10	8	0	0.00	0.00	0.00	0.00
P2 - Architectural Coating								
Total Haul Trips	0							
Hauling	0	10	8	15	0.00	0.00	0.00	0.00
Vendor	0	10	8	15	0.00	0.00	0.00	0.00
Worker	5	10	8	0	0.00	0.00	0.00	0.00

Franklin School
2021 Idling Emissions

	Idling Emissions Factor (grams/minute)		
	CO2	CH4	N2O
Hauling	45.5057164	0.00112086	0.00719059
Vendor	24.4560228	0.00064112	0.00384123
Worker	0	0	0
GWP	1	25	290

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	Idling minutes per Day (miles)	Regional Emissions (MT/year) CO2	CH4	N2O	CO2e
P2 - Demolition (Portable 2)								
Total Haul Trips	6							
Hauling	3	2	8	15	0.00	0.00	0.00	0.00
Vendor	0	2	8	15	0.00	0.00	0.00	0.00
Worker	8	2	8	0	0.00	0.00	0.00	0.00
P3 - Site Mod								
Total Haul Trips	0							
Hauling	0	205	8	15	0.00	0.00	0.00	0.00
Vendor	4	205	8	15	0.30	0.00	0.01	0.31
Worker	20	205	8	0	0.00	0.00	0.00	0.00
P3 - Site Mod Arch Coating								
Total Haul Trips	0							
Hauling	0	100	8	15	0.00	0.00	0.00	0.00
Vendor	0	100	8	15	0.00	0.00	0.00	0.00
Worker	4	100	8	0	0.00	0.00	0.00	0.00
P3 - Demolition (Portables 1, 3, 4, and 5)								
Total Haul Trips	15							
Hauling	3	5	8	15	0.01	0.00	0.00	0.01
Vendor	0	5	8	15	0.00	0.00	0.00	0.00
Worker	8	5	8	0	0.00	0.00	0.00	0.00

Franklin School
2021 Road Dust, Break Wear, and Tire wear Emissions

	Emission Factors (grams/mile)					
	PM10			PM2.5		
	RD	BW	TW	RD	BW	TW
Hauling	3.00E-01	0.06085398	0.03546617	7.36E-02	0.02608028	0.00886654
Vendor	3.00E-01	0.095597009	0.02373309	7.36E-02	0.04097015	0.00593327
Worker	3.00E-01	0.036750011	0.008	7.36E-02	0.01575	0.002

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Regional Emissions (pounds/day) PM10 RD	PM10 BW	PM10 TW	PM2.5 RD	PM2.5 BW	PM2.5 TW
P1 - Portable Classrooms										
Total Haul Trips	10									
Hauling	3	14	8	20	0.04	0.01	0.00	0.01	0.00	0.00
Vendor	0	14	8	7.3	0.00	0.00	0.00	0.00	0.00	0.00
Worker	16	14	8	10.8	0.11	0.01	0.00	0.03	0.01	0.00
P1 - Site Mod										
Total Haul Trips	0									
Hauling	0	14	8	20	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	4	14	8	7.3	0.02	0.01	0.00	0.00	0.00	0.00
Worker	20	14	8	10.8	0.14	0.02	0.00	0.04	0.01	0.00
P1 - Demolition										
Total Haul Trips	205									
Hauling	31	20	8	20	0.41	0.08	0.05	0.10	0.04	0.01
Vendor	0	20	8	7.3	0.00	0.00	0.00	0.00	0.00	0.00
Worker	13	20	8	10.8	0.09	0.01	0.00	0.02	0.00	0.00
P2 - Grading										
Total Haul Trips	0									
Hauling	0	5	8	20	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	5	8	7.3	0.00	0.00	0.00	0.00	0.00	0.00
Worker	8	5	8	10.8	0.06	0.01	0.00	0.01	0.00	0.00

Franklin School
2021 Road Dust, Break Wear, and Tire wear Emissions

	Emission Factors (grams/mile)					
	PM10			PM2.5		
	RD	BW	TW	RD	BW	TW
Hauling	3.00E-01	0.06085398	0.03546617	7.36E-02	0.02608028	0.00886654
Vendor	3.00E-01	0.095597009	0.02373309	7.36E-02	0.04097015	0.00593327
Worker	3.00E-01	0.036750011	0.008	7.36E-02	0.01575	0.002

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Regional Emissions (pounds/day)					
					PM10			PM2.5		
					RD	BW	TW	RD	BW	TW
P2 - Site Mod										
Total Haul Trips	0									
Hauling	0	25	8	20	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	4	25	8	7.3	0.02	0.01	0.00	0.00	0.00	0.00
Worker	20	25	8	10.8	0.14	0.02	0.00	0.04	0.01	0.00
P2 - Buliding Construction										
Total Haul Trips	0									
Hauling	0	200	8	20	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	10	200	8	7.3	0.05	0.02	0.00	0.01	0.01	0.00
Worker	26	200	8	10.8	0.19	0.02	0.00	0.05	0.01	0.00
P2 - Paving										
Total Haul Trips	0									
Hauling	0	10	8	20	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	10	8	7.3	0.00	0.00	0.00	0.00	0.00	0.00
Worker	13	10	8	10.8	0.09	0.01	0.00	0.02	0.00	0.00
P2 - Architectural Coating										
Total Haul Trips	0									
Hauling	0	10	8	20	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	10	8	7.3	0.00	0.00	0.00	0.00	0.00	0.00
Worker	5	10	8	10.8	0.04	0.00	0.00	0.01	0.00	0.00

Franklin School
2021 Road Dust, Break Wear, and Tire wear Emissions

	Emission Factors (grams/mile)					
	PM10			PM2.5		
	RD	BW	TW	RD	BW	TW
Hauling	3.00E-01	0.06085398	0.03546617	7.36E-02	0.02608028	0.00886654
Vendor	3.00E-01	0.095597009	0.02373309	7.36E-02	0.04097015	0.00593327
Worker	3.00E-01	0.036750011	0.008	7.36E-02	0.01575	0.002

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Regional Emissions (pounds/day) PM10 RD	PM10 BW	PM10 TW	PM2.5 RD	PM2.5 BW	PM2.5 TW
P2 - Demolition (Portable 2)										
Total Haul Trips	6									
Hauling	3	2	8	20	0.04	0.01	0.00	0.01	0.00	0.00
Vendor	0	2	8	7.3	0.00	0.00	0.00	0.00	0.00	0.00
Worker	8	2	8	10.8	0.06	0.01	0.00	0.01	0.00	0.00
P3 - Site Mod										
Total Haul Trips	0									
Hauling	0	205	8	20	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	4	205	8	7.3	0.02	0.01	0.00	0.00	0.00	0.00
Worker	20	205	8	10.8	0.14	0.02	0.00	0.04	0.01	0.00
P3 - Site Mod Arch Coating										
Total Haul Trips	0									
Hauling	0	100	8	20	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	100	8	7.3	0.00	0.00	0.00	0.00	0.00	0.00
Worker	4	100	8	10.8	0.03	0.00	0.00	0.01	0.00	0.00
P3 - Demolition (Portables 1, 3, 4, and 5)										
Total Haul Trips	15									
Hauling	3	5	8	20	0.04	0.01	0.00	0.01	0.00	0.00
Vendor	0	5	8	7.3	0.00	0.00	0.00	0.00	0.00	0.00
Worker	8	5	8	10.8	0.06	0.01	0.00	0.01	0.00	0.00

Franklin School
2021 Road Dust

Paved Road Dust Emission Factors (Assumes No Precipitation)

Formula: $EF_{Dust,P} = (k\ (sL)^{0.91} \times (W)^{1.02})$

Where:

$EF_{Dust,P}$ =	Paved Road Dust Emission Factor (having the same units as k)
k =	particle size multiplier
sL =	road surface silt loading (g/m^2)
W =	average fleet vehicle weight (tons) (CARB uses 2.4 tons as a fleet average vehicle weight factor)

	Emission Factor (grams per VMT)	
	PM10	PM2.5
k	0.9979	0.2449
sL	0.1	0.1
W	2.4	2.4
$EF_{Dust,P}$	3.00E-01	7.36E-02

Unpaved Road Dust Emission Factors (Assumes No Precipitation)

Formula: $EF_{Dust,U} = (k\ (\ s / 12)^{1} \times (Sp / 30)^{0.5} / (M / 0.5)^{0.2}) - C)$

Where:

$EF_{Dust,U}$ =	Unpaved Road Dust Emission Factor (having the same units as k)
k =	particle size multiplier
s =	surface material silt content (%)
Sp =	mean vehicle speed (mph)
M =	surface material moisture content (%)
C =	Emission Factor for 1980s vehicle fleet exhaust, brake wear, and tire wear

	Emission Factor (grams per VMT)	
	PM10	PM2.5
k	816.47	81.65
s	4.3%	4.3%
Sp	15	15
M	0.5%	0.5%
C	0.00047	0.00036
$EF_{Dust,U}$	5.20E+00	5.19E-01

Sources:

SCAQMD, CalEEMod, Version 2011.1.

CARB, *Entrained Dust from Paved Road Travel: Emission Estimation Methodology Background Document* , (1997).

USEPA, *AP-42* , Fifth Edition, Volume I, Chapter 13.2.1 - Paved Roads, (2011).

PCR Services Corporation, 2013.

7. Construction Health Risk

7. Construction Health Risk
a.Methodology & Figure

HEALTH RISK ASSESSMENT (HRA) METHODOLOGY

The greatest potential for TAC emissions would be related to diesel particulate matter (DPM) emissions associated with heavy equipment operations during demolition, grading and excavation, and building construction activities. The cancer risk values for DPM considers exposure via the inhalation pathway. The potential exposure through other pathways (e.g., ingestion) requires substance and site-specific data, and the specific parameters for DPM are not known for these pathways.[1] The OEHHA guidelines recommends the incorporation of several factors to quantify the carcinogenic compound dose via the inhalation pathway. Once determined, the dose is multiplied by the compound-specific inhalation cancer potency factor to derive the cancer risk estimate. The dose takes into account the concentration at a sensitive receptor. The cancer potency factor is compound-specific. In performing health risk calculations, carcinogenic compounds are not considered to have threshold levels (i.e., dose levels below which there are no risks). Any exposure, therefore, will have some associated risk. Incremental health risks associated with exposure to carcinogenic compounds is defined in terms of the probability of developing cancer as a result of exposure to a chemical at a given concentration. Under a deterministic approach (i.e., point estimate methodology), the cancer risk probability is determined by multiplying the chemical's annual concentration by its unit risk factor (URF). The URF for DPM recommended by the Scientific Review Panel[2] is 3.0 x 10-4 per microgram per cubic meter ($\mu g/m^3$). This value corresponds to a Cancer Potency Factor (CPF) of 1.1 per milligram/kilogram (body weight) per day (mg/kg(bw)-day). The URF for DPM means that for receptors with an annual average concentration of 1 $\mu g/m^3$ in the ambient air, the probability of contracting cancer over a 70-year lifetime of exposure is 300 in 1 million. The URF also assumes that a person is exposed continuously for a 70 year lifetime. This approach for calculating cancer risk is intended to result in conservative (i.e., health protective) estimates of health impacts and is used for assessing risks to sensitive receptors. The estimation of cancer risk generally uses the following algorithms:

$$\text{Risk} = \text{Dose inhalation} \times \text{Inhalation CPF} \times \text{ASF} \qquad \text{(Equation 1)}$$

Where:

$$\text{Dose inhalation} = C_{AIR} \times \text{DBR} \times \text{A} \times \text{EF} \times \text{ED} \times \text{FAH} / \text{AT} \qquad \text{(Equation 2)}$$

Inhalation CPF = inhalation cancer potency factor

ASF = age sensitivity factor

Where:

C_{AIR} = concentration of compound in air in micrograms per cubic meter ($\mu g/m^3$)

DBR = breathing rate in liter per kilogram of body weight per day (L/kg-body weight/day)

A = inhalation absorption factor (1 for DPM)

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1 California Air Resources Board, Report to the Air Resources Board on the Proposed Identification of Diesel Exhaust as a Toxic Air Contaminant, Part A Exposure *Assessment*, Approved by the Scientific Review Panel, (1998).

2 The Scientific Review Panel is charged with evaluating the risk assessments of substances proposed for identification as toxic air contaminants by CARB, OEHHA, and the Department of Pesticide Regulation (DPR), and the review of guidelines prepared by OEHHA.

EF = exposure frequency in days per year (day/year)

ED = exposure duration in years (year)

FAH = fraction of time at home

AT = averaging time period over which exposure is averaged in days (day)

The OEHHA recommended values for the parameters listed above were used in the HRA analysis. The daily breathing rate (DBR) used in the analysis was based on was based on OEHHA recommendations which vary depending on age, as shown in the assumptions for each risk scenario. The recommended exposure frequency (EF) is 350 days per year which is equivalent to 0.96 (350 days / 365 days a year). The inhalation absorption factor (A) is assumed to be 1 for inhalation based risk assessment. As indicated in Equation 1 above, each age group has different exposure parameters which require cancer risk to be calculated separately for each age group. Values for fraction of time at home (FAH) also vary depending on age, as shown in the assumptions for each risk scenario. Once dose is calculated, cancer risk is calculated by accounting for cancer potency of the specific pollutant, and the age sensitivity factor (ASF), which also varies by age as shown in the assumptions for each risk scenario.

The HRA includes three separate components: 1) Emissions inventory; 2) Dispersion Modeling; and 3) Health Risk Calculations. Each of these components is discussed in detail in below.

EMISSIONS INVENTORY

Emissions analyzed in the HRA were based on the air quality and greenhouse gas sections of the MND. The MND analyzed construction emissions using the approved California Emissions Estimator Model (CalEEMod) model for onsite sources and Emission Factors (EMFAC) 2017 for offsite sources. The air quality analysis prepared for the MND estimated maximum daily emissions for each construction phase. The construction emissions utilized for this HRA assumed the same construction schedule and equipment types as the analysis contained in the DEIR. Specifically, the emissions estimate assumes three consecutive construction phases with completion anticipated by December 2021.

The emissions estimates provided in the MND represent the maximum daily emissions from each phase that would be expected from construction of the project utilizing maximum daily heavy-duty construction equipment activity levels.

DISPERSION MODELING

Dispersion modeling predicts the air pollutant concentrations due to emissions from a source at defined receptor point locations. Dispersion modeling was performed using the USEPA approved AMS/EPA Regulatory Model (AERMOD) with meteorological data from San Diego International Airport.[3] Emission sources were located on the Franklin School site corresponding to the areas of construction activity. Volume line sources were used to represent the emission sources on the project site. Construction emissions would not be generated during the nighttime hours; therefore, the dispersion modeling allocates the emissions during the active daytime construction hours. Sensitive receptors identified for modeling

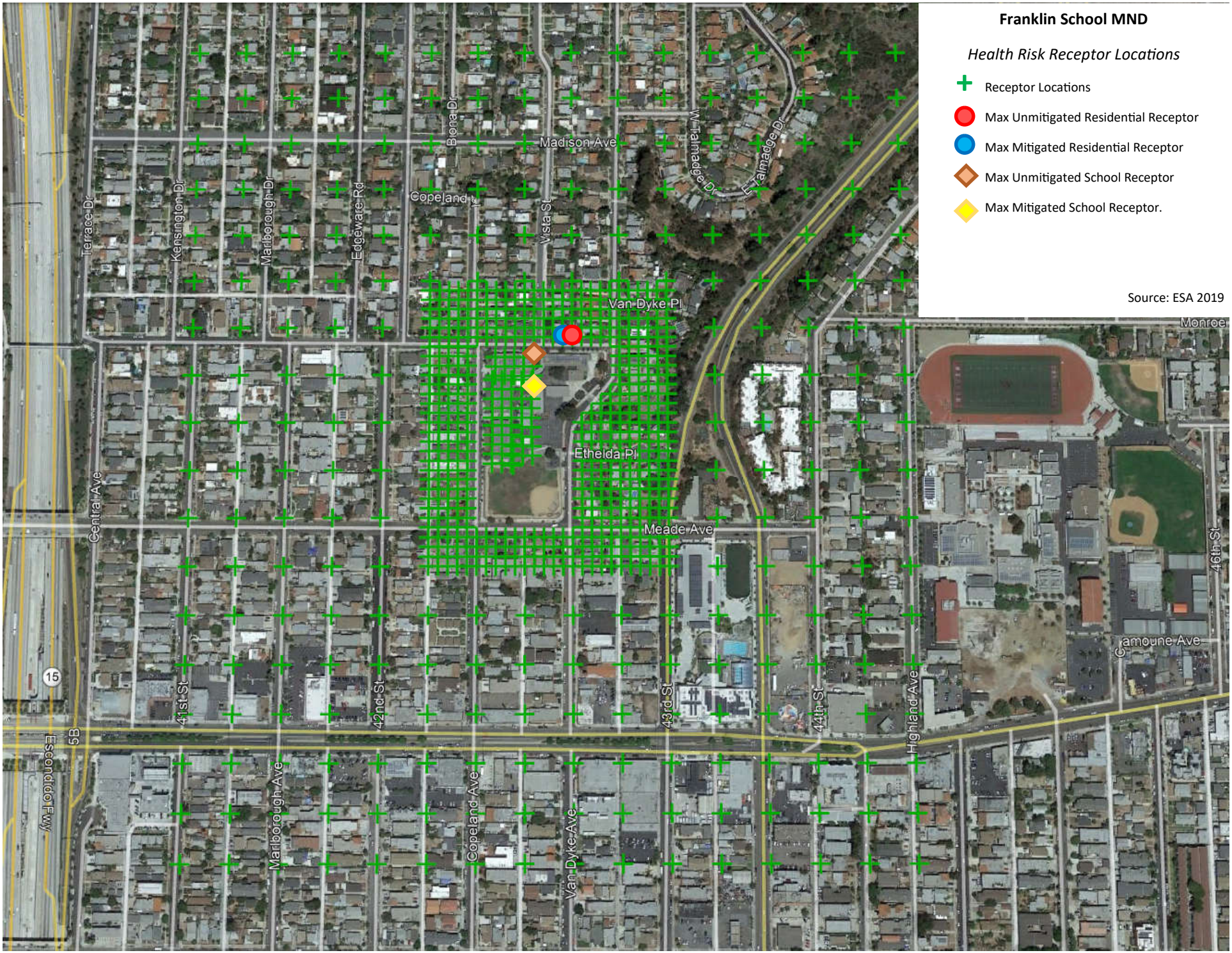
[3] https://www.arb.ca.gov/toxics/harp/metfiles2.htm#metlist

were placed at the location of nearby sensitive land uses and onsite buildings. Sensitive receptors off-site include residential land uses to the north, east, south, and west of the project site with the directly across the street in any direction. Sensitive receptors, including the maximum residential and maximum school receptors are included in the figure below.

HEALTH RISK CALCULATIONS

The resulting health risk calculations were performed using a spreadsheet tool consistent with the OEHHA guidance. The spreadsheet tool incorporates the algorithms, equations, and a variable described above as well as in the OEHHA guidance, and incorporates the results of the AERMOD dispersion model. The risk calculations are included in the following risk scenarios

- Unmitigated Residential Risk
- Unmitigated School Risk
- Mitigated Constructional Risk
- Mitigated School Risk.


Franklin School MND
Health Risk Receptor Locations
Receptor Locations
Max Unmitigated Residential Receptor
Max Mitigated Residential Receptor
Max Unmitigated School Receptor
Max Mitigated School Receptor.
Source: ESA 2019
Madison Ave
Copeland
Van Dyke Pl
Ethelda Pl
Meade Ave
Monroe
Terrace Dr
Kensington Dr
Marlborough Dr
Edgeware Rd
Biona Dr
Vista St
W Talmadge Dr
Talmadge Dr
Central Ave
41st St
42nd St
43rd St
44th St
46th St
Highland Ave
Gramoune Ave
Marlborough Ave
Copeland Ave
Van Dyke Ave
Escondido Fwy
5B
15

7. Construction Health Risk

b. Risk Summary

Franklin School Project
Health Risk Summary

Incremental Increase in Carcinogenic Risk and Hazardous Index

Sensitive Receptor	Maximum Cancer Risk (# in one million) [a]	Chronic Risk Hazard Index (HI)[b]	Receptor
Unmitigated Risk			
Residential	53.76	0.49	666 / 547
School	11.31	0.51	865 / 820
Maximum Individual Cancer Risk Threshold[c]	1	1	
Exceeds Threshold?	**Yes**	No	
Mitigated Risk			
Residential	6.58	0.05	666 / 547
School	1.47	0.06	865 / 820
Maximum Individual Cancer Risk Threshold[c]	10	1	
Exceeds Threshold?	No	No	

SOURCE: ESA, 2019.

7. Construction Health Risk
c. Unmitigated Residential Risk

Construction Health Risk
Unmitigated Residential - Assumptions and Risk Summary

Franklin School Project

Unmitigated Residential - Construction Health Risk Assumptions

	3rd	0-2	2-16	>16	Units
DBR	361	1090	631	261	L/kg
A	1	1	1	1	no units
EF	0.95890411	0.958904	0.958904	0.958904	years
Constant 1	0.000001	0.000001	0.000001	0.000001	no units
CPF	1.1	1.1	1.1	1.1	mg/kg-day-1
ASF	10	10	3	1	no units
Modernization Const	0.00	0.668	0.00	0.00	years
Modernization AC	0.00	0.274	0.00	0.00	years
Portable Set-up	0.00	0.038	0.00	0.00	years
New Building Demo	0.00	0.055	0.00	0.00	years
New Building Grading	0.00	0.014	0.00	0.00	years
New Building Const	0.00	0.548	0.00	0.00	years
New Building AC	0.00	0.027	0.00	0.00	years
New Building Paving	0.00	0.027	0.00	0.00	years
New Building Demo (Port. 2)	0.00	0.005	0.00	0.00	years
New Building Demo (Port. 1,3,4)	0.00	0.014	0.00	0.00	years
AT	70	70	70	70	years
FAH	1	1	1	0.73	day
Constant 2	1,000,000	1,000,000	1,000,000	1,000,000	no units
Dose Constants:	0.00034616	0.001045	0.000605	0.00025	no units
Risk Constants:	0.15714286	0.157143	0.047143	0.011471	no units

Dose = (Cair X DBR X A X EF X Constant 1)

Cancer Risk = Dose X CPF x ASF x (ED/AT) X FAH

Risk per Million = Cancer Risk X Constant 2

Non-Cancer Hazard Quotent = Average Annual Concentration x Chronic Inhalation REL

Onsite	lbs/day	g/day	g/sec
	Birth to 2 years		
Modernization Const	0.1939	87.951561	0.0020359
Modernization AC	0.0941	42.683042	0.000988
Portable Set-up	0	0	0
New Building Demo	1.0409	472.1443	0.0109293
New Building Grading	0.6379	289.34657	0.0066978
New Building Const	0.6843	310.39326	0.007185
New Building AC	0.0941	42.683042	0.000988
New Building Paving	0.4153	188.37691	0.0043606
New Building Demo (Port. 2)	0.8174	370.7664	0.0085826
New Building Demo (Port. 1,3,4)	0.8174	370.7664	0.0085826

Offsite

	Source	Miles	lbs/day	g/day	gr/sec
Mod - Building					
	Haul 1A	0.04256385	2.3323E-05	0.010579	2.45E-07
	Haul 2A	0.13434019	7.3611E-05	0.0333894	7.73E-07
	Haul B	0.27576401	0.0001511	0.0685394	1.59E-06
	Haul C	0.02963935	1.6241E-05	0.0073667	1.71E-07
NB - BC					
	Haul 1A	0.04256385	7.5799E-05	0.0343817	7.96E-07
	Haul 2A	0.13434019	0.00023924	0.1085156	2.51E-06
	Haul B	0.27576401	0.00049109	0.2227531	5.16E-06
	Haul C	0.02963935	5.2782E-05	0.0239417	5.54E-07
Portable Classrooms					
	Haul 1A	0.04256385	1.8111E-05	0.008215	1.9E-07
	Haul 2A	0.13434019	5.7162E-05	0.0259281	6E-07
	Haul B	0.27576401	0.00011734	0.0532234	1.23E-06
	Haul C	0.02963935	1.2612E-05	0.0057205	1.32E-07
NB - Demo					
	Haul 1A	0.04256385	0.00018728	0.0849492	1.97E-06
	Haul 2A	0.13434019	0.0005911	0.268117	6.21E-06
	Haul B	0.27576401	0.00121336	0.5503716	1.27E-05
	Haul C	0.02963935	0.00013041	0.0591544	1.37E-06
NB-Demo (Port. 2)					
	Haul 1A	0.04256385	1.8111E-05	0.008215	1.9E-07
	Haul 2A	0.13434019	5.7162E-05	0.0259281	6E-07
	Haul B	0.27576401	0.00011734	0.0532234	1.23E-06
	Haul C	0.02963935	1.2612E-05	0.0057205	1.32E-07
NB-Demo (Port. 1,3,4)					
	Haul 1A	0.04256385	1.8111E-05	0.008215	1.9E-07
	Haul 2A	0.13434019	5.7162E-05	0.0259281	6E-07
	Haul B	0.27576401	0.00011734	0.0532234	1.23E-06
	Haul C	0.02963935	1.2612E-05	0.0057205	1.32E-07

Franklin School Project

Unmitigated Residential - Construction Health Risk Assumptions

Source Name	Description
Haul1A	Haul Route: Copeland from Site to Meade
HaulB	Haul Route: Copeland from Meade Ave to El Cajon Blvd
HaulC	Haul Route: El Cajon Blvd from Site to I-15
Haul2A	Haul Route: Maede form Site to Copeland
MOD	Modernization activities for Buildings 01-01, 02-02, and 02-03
NB1	New Building Demolition and Grading areas
NB2	Building Construction and Architectural Coating Areas
NB3	Paving areas

Construction activities can occur between 7 am and 7 pm Monday through Friday.

Receptor Designations

Residential #43 to 806

RES50 #1 to 272 - Residential receptors with 50 meter spacing

RES10 #273 to #806 - Residential receptors with 10 meter spacing

School

LL #807 to 820 - Onsite receptrs for the library and LLC building - Impacted by all phases

02-02 #821 to 835 - Onsite receptors for building 02-02. Impacted by all but 1/3 of Modernization.

01-01 #836 to 850 - Onsite receptors for building 01-01. Impacted by all but 1/3 of Modernization.

02-03 #851 to 865 - Onsite receptors for building 02-03. Impacted by all but 1/3 of Modernization.

Port #866 to 872 - Onsite receptors for portable buildings. Impacts vary by building

School receptors: Risk for onsite receptors is determined by conservately assuming that all onsite receptors are exposed for the duration of the construction project. However, because modernization requires painting and repairs to classrooms, it is anticipated that students sould be located in the portable classrooms during the time the reparis to their classrooms are occurring. As the portable classrooms are located on the other side of the campus from the new building construction (greatest risk source) risk to students would be similar or lower at the portable classrooms than they would in the library or building 02-03. Also, as a conservative estimate of onsite risk, the Assembly and Administrative building (building 02-03) is evaluated as if it were regular classrooms.

Franklin School Project
Unmitigated Residential - Emissions

Onsite

Phase	Start	End	# days	lbs/day PM10	Source		
Mod - Building	1/1/2021	12/08/21	244	0.1939	MOD	Const. Hours	12
Mod - AC	06/01/21	10/18/21	100	0.0941	MOD		
Portable Classrooms	1/1/2021	1/20/2021	14	0.0000	-		
NB - Demo	01/21/19	02/17/21	20	1.0409	NB1		
NB - Grading	02/18/21	02/24/21	5	0.6379	NB1		
NB - BC	02/25/21	12/01/21	200	0.6843	NB2		
NB - AC	11/25/21	12/08/21	10	0.0941	NB2		
NB - Paving	11/25/21	12/08/21	10	0.4153	NB3		
NB-Demo (Port. 2)	12/09/21	12/11/21	2	0.8174	NB1		
NB-Demo (Port. 1,3,4)	12/13/21	12/17/21	5	0.8174	NB1		

Offsite

	Daily Vendor Trips	miles/trip	lbs/day	lbs/day/mile	Haul Trips	miles/trip	lbs/day	lbs/day/mile
Mod - Building	4	7.30	0.004	0.00054795	0	20.00		
Mod - AC	0	7.30			0	20.00		
Portable Classrooms	0	7.30			10	20.00	8.51E-03	0.000426
NB - Demo	0	7.30			205	20.00	0.088	0.004400
NB - Grading	0	7.30			0	20.00		
NB - BC	12	7.30	0.013	0.00178082	0	20.00		
NB - AC	0	7.30			0	20.00		
NB - Paving	0	7.30			0	20.00		
NB-Demo (Port. 2)	0	7.30			6	20.00	8.51E-03	0.000426
NB-Demo (Port. 1,3,4)	0	7.30			15	20.00	8.51E-03	0.000426

Source	Meters	Miles
Haul 1A	68.50	0.04
Haul 2A	216.20	0.13
Haul B	443.80	0.28
Haul C	47.70	0.03

Franklin School Project

Unmitigated Residential - Residential Construction Cancer Risk Summary

666	Receptor
53.76	Max

Receptor #	X	Y	Total	Mod BC	Mod AC	Port	Demo	Grad	BC	0.00	Pav	Demo-Port. 2	Demo-Port. 1,3,4
1	489960	3624026	0.21	0.05	0.01	0.00	0.02	0.00	0.12	0.00	0.00	0.00	0.00
2	490010	3624026	0.23	0.06	0.01	0.00	0.02	0.00	0.13	0.00	0.00	0.00	0.00
3	490060	3624026	0.25	0.06	0.01	0.00	0.02	0.00	0.14	0.00	0.00	0.00	0.00
4	490110	3624026	0.27	0.07	0.01	0.00	0.03	0.00	0.15	0.00	0.01	0.00	0.01
5	490160	3624026	0.30	0.07	0.01	0.00	0.03	0.00	0.16	0.00	0.01	0.00	0.01
6	490210	3624026	0.32	0.08	0.02	0.00	0.03	0.00	0.17	0.00	0.01	0.00	0.01
7	490260	3624026	0.34	0.08	0.02	0.00	0.03	0.00	0.19	0.00	0.01	0.00	0.01
8	490310	3624026	0.36	0.09	0.02	0.00	0.03	0.01	0.19	0.00	0.01	0.00	0.01
9	490360	3624026	0.38	0.09	0.02	0.00	0.04	0.01	0.21	0.00	0.01	0.00	0.01
10	490410	3624026	0.40	0.10	0.02	0.00	0.04	0.01	0.22	0.00	0.01	0.00	0.01
11	490460	3624026	0.43	0.11	0.02	0.00	0.04	0.01	0.23	0.00	0.01	0.00	0.01
12	490510	3624026	0.46	0.11	0.02	0.00	0.04	0.01	0.25	0.00	0.01	0.00	0.01
13	490560	3624026	0.48	0.12	0.02	0.00	0.05	0.01	0.26	0.00	0.01	0.00	0.01
14	490610	3624026	0.50	0.12	0.02	0.00	0.05	0.01	0.27	0.00	0.01	0.00	0.01
15	490660	3624026	0.52	0.12	0.02	0.00	0.05	0.01	0.29	0.00	0.01	0.00	0.01
16	490710	3624026	0.52	0.12	0.02	0.00	0.05	0.01	0.29	0.00	0.01	0.00	0.01
17	489960	3624076	0.24	0.06	0.01	0.00	0.02	0.00	0.13	0.00	0.00	0.00	0.00
18	490010	3624076	0.26	0.07	0.01	0.00	0.02	0.00	0.14	0.00	0.01	0.00	0.00
19	490060	3624076	0.29	0.07	0.01	0.00	0.03	0.00	0.16	0.00	0.01	0.00	0.01
20	490110	3624076	0.32	0.08	0.02	0.00	0.03	0.00	0.17	0.00	0.01	0.00	0.01
21	490160	3624076	0.35	0.09	0.02	0.00	0.03	0.01	0.19	0.00	0.01	0.00	0.01
22	490210	3624076	0.38	0.10	0.02	0.00	0.04	0.01	0.21	0.00	0.01	0.00	0.01
23	490260	3624076	0.41	0.10	0.02	0.00	0.04	0.01	0.22	0.00	0.01	0.00	0.01
24	490310	3624076	0.44	0.11	0.02	0.00	0.04	0.01	0.24	0.00	0.01	0.00	0.01
25	490360	3624076	0.47	0.12	0.02	0.00	0.05	0.01	0.25	0.00	0.01	0.00	0.01
26	490410	3624076	0.50	0.13	0.03	0.00	0.05	0.01	0.27	0.00	0.01	0.00	0.01
27	490460	3624076	0.54	0.14	0.03	0.00	0.05	0.01	0.29	0.00	0.01	0.00	0.01
28	490510	3624076	0.58	0.14	0.03	0.00	0.06	0.01	0.31	0.00	0.01	0.00	0.01
29	490560	3624076	0.61	0.15	0.03	0.00	0.06	0.01	0.33	0.00	0.01	0.00	0.01
30	490610	3624076	0.64	0.15	0.03	0.00	0.06	0.01	0.35	0.00	0.01	0.01	0.01
31	490660	3624076	0.65	0.15	0.03	0.00	0.07	0.01	0.36	0.00	0.01	0.01	0.01
32	490710	3624076	0.64	0.14	0.03	0.00	0.06	0.01	0.36	0.00	0.01	0.01	0.01
33	489960	3624126	0.27	0.07	0.01	0.00	0.02	0.00	0.15	0.00	0.01	0.00	0.00
34	490010	3624126	0.30	0.08	0.02	0.00	0.03	0.00	0.16	0.00	0.01	0.00	0.01
35	490060	3624126	0.34	0.09	0.02	0.00	0.03	0.00	0.18	0.00	0.01	0.00	0.01
36	490110	3624126	0.38	0.10	0.02	0.00	0.04	0.01	0.20	0.00	0.01	0.00	0.01
37	490160	3624126	0.43	0.11	0.02	0.00	0.04	0.01	0.23	0.00	0.01	0.00	0.01
38	490210	3624126	0.47	0.12	0.02	0.00	0.05	0.01	0.25	0.00	0.01	0.00	0.01
39	490260	3624126	0.52	0.13	0.03	0.00	0.05	0.01	0.27	0.00	0.01	0.00	0.01
40	490310	3624126	0.56	0.14	0.03	0.00	0.05	0.01	0.29	0.00	0.01	0.00	0.01
41	490360	3624126	0.60	0.16	0.03	0.00	0.06	0.01	0.31	0.00	0.01	0.00	0.01
42	490410	3624126	0.65	0.17	0.03	0.00	0.06	0.01	0.34	0.00	0.01	0.00	0.01
43	490460	3624126	0.71	0.18	0.04	0.00	0.07	0.01	0.37	0.00	0.01	0.01	0.01
44	490510	3624126	0.76	0.19	0.04	0.00	0.08	0.01	0.40	0.00	0.02	0.01	0.02

Franklin School Project

Unmitigated Residential - Residential Construction Cancer Risk Summary

666	Receptor
53.76	Max

Receptor #	X	Y	Total	Mod BC	Mod AC	Port	Demo	Grad	BC	0.00	Pav	Demo-Port. 2	Demo-Port. 1,3,4
45	490560	3624126	0.80	0.20	0.04	0.00	0.08	0.01	0.43	0.00	0.02	0.01	0.02
46	490610	3624126	0.82	0.19	0.04	0.00	0.08	0.01	0.45	0.00	0.02	0.01	0.02
47	490660	3624126	0.82	0.19	0.04	0.00	0.08	0.01	0.46	0.00	0.02	0.01	0.02
48	490710	3624126	0.80	0.17	0.03	0.00	0.08	0.01	0.46	0.00	0.02	0.01	0.02
49	489960	3624176	0.30	0.08	0.02	0.00	0.03	0.00	0.16	0.00	0.01	0.00	0.01
50	490010	3624176	0.35	0.09	0.02	0.00	0.03	0.00	0.19	0.00	0.01	0.00	0.01
51	490060	3624176	0.40	0.10	0.02	0.00	0.04	0.01	0.21	0.00	0.01	0.00	0.01
52	490110	3624176	0.46	0.12	0.02	0.00	0.04	0.01	0.24	0.00	0.01	0.00	0.01
53	490160	3624176	0.53	0.14	0.03	0.00	0.05	0.01	0.27	0.00	0.01	0.00	0.01
54	490210	3624176	0.60	0.16	0.03	0.00	0.06	0.01	0.31	0.00	0.01	0.00	0.01
55	490260	3624176	0.66	0.18	0.03	0.00	0.06	0.01	0.34	0.00	0.01	0.01	0.01
56	490310	3624176	0.73	0.20	0.04	0.00	0.07	0.01	0.37	0.00	0.01	0.01	0.01
57	490360	3624176	0.79	0.22	0.04	0.00	0.08	0.01	0.40	0.00	0.02	0.01	0.02
58	490410	3624176	0.87	0.24	0.05	0.00	0.09	0.01	0.44	0.00	0.02	0.01	0.02
59	490460	3624176	0.97	0.26	0.05	0.00	0.10	0.02	0.50	0.00	0.02	0.01	0.02
60	490510	3624176	1.03	0.26	0.05	0.00	0.11	0.02	0.54	0.00	0.02	0.01	0.02
61	490560	3624176	1.07	0.26	0.05	0.00	0.11	0.02	0.57	0.00	0.02	0.01	0.02
62	490610	3624176	1.07	0.25	0.05	0.00	0.11	0.02	0.59	0.00	0.02	0.01	0.02
63	490660	3624176	1.04	0.23	0.04	0.00	0.11	0.02	0.59	0.00	0.02	0.01	0.02
64	490710	3624176	0.98	0.20	0.04	0.00	0.10	0.02	0.57	0.00	0.02	0.01	0.02
65	489960	3624226	0.34	0.09	0.02	0.00	0.03	0.00	0.18	0.00	0.01	0.00	0.01
66	490010	3624226	0.40	0.11	0.02	0.00	0.04	0.01	0.21	0.00	0.01	0.00	0.01
67	490060	3624226	0.47	0.13	0.03	0.00	0.04	0.01	0.25	0.00	0.01	0.00	0.01
68	490110	3624226	0.56	0.16	0.03	0.00	0.05	0.01	0.29	0.00	0.01	0.00	0.01
69	490160	3624226	0.66	0.19	0.04	0.00	0.06	0.01	0.34	0.00	0.01	0.00	0.01
70	490210	3624226	0.78	0.22	0.04	0.00	0.07	0.01	0.39	0.00	0.02	0.01	0.01
71	490260	3624226	0.89	0.25	0.05	0.00	0.09	0.01	0.44	0.00	0.02	0.01	0.02
72	490310	3624226	1.00	0.29	0.06	0.00	0.10	0.02	0.49	0.00	0.02	0.01	0.02
73	490360	3624226	1.12	0.32	0.06	0.00	0.11	0.02	0.54	0.00	0.02	0.01	0.02
74	490410	3624226	1.27	0.36	0.07	0.00	0.13	0.02	0.62	0.00	0.03	0.01	0.03
75	490460	3624226	1.39	0.37	0.07	0.00	0.15	0.02	0.70	0.00	0.03	0.01	0.03
76	490510	3624226	1.46	0.36	0.07	0.00	0.16	0.02	0.76	0.01	0.03	0.01	0.03
77	490560	3624226	1.46	0.34	0.07	0.00	0.16	0.02	0.80	0.01	0.03	0.01	0.03
78	490610	3624226	1.41	0.31	0.06	0.00	0.15	0.02	0.80	0.01	0.03	0.01	0.03
79	490660	3624226	1.31	0.27	0.05	0.00	0.13	0.02	0.76	0.01	0.03	0.01	0.03
80	490710	3624226	1.19	0.24	0.05	0.00	0.12	0.02	0.71	0.00	0.02	0.01	0.02
81	489960	3624276	0.38	0.10	0.02	0.00	0.03	0.01	0.20	0.00	0.01	0.00	0.01
82	490010	3624276	0.46	0.13	0.02	0.00	0.04	0.01	0.24	0.00	0.01	0.00	0.01
83	490060	3624276	0.56	0.16	0.03	0.00	0.05	0.01	0.29	0.00	0.01	0.00	0.01
84	490110	3624276	0.70	0.20	0.04	0.00	0.06	0.01	0.35	0.00	0.01	0.00	0.01
85	490160	3624276	0.86	0.25	0.05	0.00	0.08	0.01	0.42	0.00	0.02	0.01	0.02
86	490210	3624276	1.05	0.32	0.06	0.00	0.10	0.02	0.50	0.00	0.02	0.01	0.02
87	490260	3624276	1.27	0.38	0.08	0.00	0.13	0.02	0.60	0.00	0.03	0.01	0.02
88	490310	3624276	1.49	0.45	0.09	0.00	0.15	0.02	0.69	0.00	0.03	0.01	0.03

Franklin School Project

Unmitigated Residential - Residential Construction Cancer Risk Summary

666	Receptor
53.76	Max

Receptor #	X	Y	Total	Mod BC	Mod AC	Port	Demo	Grad	BC	0.00	Pav	Demo-Port. 2	Demo-Port. 1,3,4
89	490360	3624276	1.71	0.53	0.10	0.00	0.18	0.03	0.78	0.01	0.04	0.01	0.03
90	490410	3624276	1.96	0.56	0.11	0.00	0.22	0.03	0.93	0.01	0.04	0.02	0.04
91	490460	3624276	2.08	0.55	0.11	0.00	0.23	0.04	1.04	0.01	0.05	0.02	0.05
92	490510	3624276	2.11	0.50	0.10	0.00	0.23	0.04	1.12	0.01	0.05	0.02	0.05
93	490560	3624276	2.01	0.44	0.09	0.00	0.22	0.03	1.13	0.01	0.04	0.02	0.04
94	490610	3624276	1.84	0.37	0.07	0.00	0.19	0.03	1.07	0.01	0.04	0.02	0.04
95	490660	3624276	1.62	0.31	0.06	0.00	0.16	0.03	0.97	0.01	0.03	0.01	0.03
96	490710	3624276	1.40	0.26	0.05	0.00	0.14	0.02	0.86	0.01	0.03	0.01	0.03
97	489960	3624326	0.43	0.11	0.02	0.00	0.04	0.01	0.23	0.00	0.01	0.00	0.01
98	490010	3624326	0.53	0.15	0.03	0.00	0.05	0.01	0.27	0.00	0.01	0.00	0.01
99	490060	3624326	0.67	0.19	0.04	0.00	0.06	0.01	0.34	0.00	0.01	0.00	0.01
100	490110	3624326	0.87	0.26	0.05	0.00	0.08	0.01	0.42	0.00	0.02	0.01	0.02
101	490160	3624326	1.14	0.36	0.07	0.00	0.10	0.02	0.53	0.00	0.02	0.01	0.02
102	490210	3624326	1.52	0.51	0.10	0.00	0.14	0.02	0.68	0.00	0.03	0.01	0.03
103	490260	3624326	2.00	0.67	0.13	0.00	0.20	0.03	0.87	0.01	0.04	0.01	0.04
104	490310	3624326	2.50	0.85	0.17	0.00	0.26	0.04	1.06	0.01	0.05	0.02	0.05
105	490360	3624326	2.95	0.98	0.19	0.00	0.33	0.05	1.23	0.01	0.07	0.03	0.06
106	490410	3624326	3.27	0.94	0.19	0.00	0.39	0.06	1.49	0.01	0.08	0.03	0.08
107	490460	3624326	3.29	0.81	0.16	0.00	0.39	0.06	1.67	0.01	0.08	0.03	0.08
108	490510	3624326	3.10	0.66	0.13	0.00	0.35	0.05	1.72	0.01	0.07	0.03	0.07
109	490560	3624326	2.74	0.53	0.11	0.00	0.29	0.04	1.61	0.01	0.06	0.02	0.06
110	490610	3624326	2.32	0.42	0.08	0.00	0.24	0.04	1.42	0.01	0.05	0.02	0.05
111	490660	3624326	1.92	0.34	0.07	0.00	0.19	0.03	1.20	0.01	0.04	0.02	0.04
112	490710	3624326	1.59	0.27	0.05	0.00	0.15	0.02	1.01	0.01	0.03	0.01	0.03
113	489960	3624376	0.47	0.13	0.03	0.00	0.04	0.01	0.25	0.00	0.01	0.00	0.01
114	490010	3624376	0.59	0.17	0.03	0.00	0.05	0.01	0.31	0.00	0.01	0.00	0.01
115	490060	3624376	0.78	0.23	0.05	0.00	0.07	0.01	0.39	0.00	0.01	0.01	0.01
116	490110	3624376	1.07	0.34	0.07	0.00	0.09	0.01	0.51	0.00	0.02	0.01	0.02
117	490160	3624376	1.54	0.53	0.11	0.00	0.13	0.02	0.68	0.00	0.03	0.01	0.03
118	490410	3624376	5.94	1.53	0.30	0.00	0.83	0.13	2.74	0.02	0.17	0.06	0.16
119	490460	3624376	5.35	1.11	0.22	0.00	0.66	0.10	2.93	0.02	0.13	0.05	0.13
120	490510	3624376	4.50	0.81	0.16	0.00	0.50	0.08	2.70	0.02	0.10	0.04	0.10
121	490560	3624376	3.57	0.60	0.12	0.00	0.37	0.06	2.24	0.02	0.07	0.03	0.07
122	490610	3624376	2.78	0.45	0.09	0.00	0.28	0.04	1.78	0.01	0.05	0.02	0.05
123	490660	3624376	2.16	0.35	0.07	0.00	0.21	0.03	1.40	0.01	0.04	0.02	0.04
124	490710	3624376	1.70	0.27	0.05	0.00	0.16	0.02	1.11	0.01	0.03	0.01	0.03
125	489960	3624426	0.50	0.14	0.03	0.00	0.04	0.01	0.26	0.00	0.01	0.00	0.01
126	490010	3624426	0.65	0.18	0.04	0.00	0.06	0.01	0.34	0.00	0.01	0.00	0.01
127	490060	3624426	0.88	0.27	0.05	0.00	0.07	0.01	0.44	0.00	0.02	0.01	0.01
128	490110	3624426	1.27	0.42	0.08	0.00	0.11	0.02	0.60	0.00	0.02	0.01	0.02
129	490160	3624426	1.98	0.72	0.14	0.00	0.16	0.02	0.84	0.01	0.04	0.01	0.03
130	490410	3624426	11.40	2.16	0.43	0.00	1.67	0.26	6.06	0.04	0.32	0.13	0.33
131	490460	3624426	8.62	1.33	0.26	0.00	0.99	0.15	5.39	0.04	0.19	0.08	0.19
132	490510	3624426	6.05	0.87	0.17	0.00	0.62	0.10	3.98	0.03	0.12	0.05	0.12

Franklin School Project

Unmitigated Residential - Residential Construction Cancer Risk Summary

666	Receptor
53.76	Max

Receptor #	X	Y	Total	Mod BC	Mod AC	Port	Demo	Grad	BC	0.00	Pav	Demo-Port. 2	Demo-Port. 1,3,4
133	490560	3624426	4.29	0.61	0.12	0.00	0.42	0.06	2.86	0.02	0.08	0.03	0.08
134	490610	3624426	3.05	0.44	0.09	0.00	0.29	0.04	2.04	0.01	0.05	0.02	0.06
135	490660	3624426	2.24	0.33	0.07	0.00	0.21	0.03	1.50	0.01	0.04	0.02	0.04
136	490710	3624426	1.69	0.26	0.05	0.00	0.16	0.02	1.13	0.01	0.03	0.01	0.03
137	489960	3624476	0.52	0.14	0.03	0.00	0.04	0.01	0.28	0.00	0.01	0.00	0.01
138	490010	3624476	0.68	0.19	0.04	0.00	0.06	0.01	0.36	0.00	0.01	0.00	0.01
139	490060	3624476	0.94	0.28	0.06	0.00	0.08	0.01	0.47	0.00	0.02	0.01	0.02
140	490110	3624476	1.41	0.46	0.09	0.00	0.11	0.02	0.67	0.00	0.02	0.01	0.02
141	490160	3624476	2.28	0.83	0.17	0.00	0.17	0.03	1.00	0.01	0.04	0.01	0.03
142	490410	3624476	21.91	2.31	0.46	0.00	2.47	0.38	15.05	0.10	0.45	0.19	0.49
143	490460	3624476	12.21	1.29	0.26	0.00	1.19	0.18	8.68	0.06	0.22	0.09	0.23
144	490510	3624476	7.02	0.81	0.16	0.00	0.65	0.10	4.95	0.03	0.12	0.05	0.13
145	490560	3624476	4.49	0.56	0.11	0.00	0.41	0.06	3.13	0.02	0.08	0.03	0.08
146	490610	3624476	2.98	0.40	0.08	0.00	0.27	0.04	2.05	0.01	0.05	0.02	0.05
147	490660	3624476	2.12	0.30	0.06	0.00	0.19	0.03	1.44	0.01	0.04	0.02	0.04
148	490710	3624476	1.57	0.23	0.05	0.00	0.14	0.02	1.05	0.01	0.03	0.01	0.03
149	489960	3624526	0.52	0.14	0.03	0.00	0.04	0.01	0.28	0.00	0.01	0.00	0.01
150	490010	3624526	0.68	0.19	0.04	0.00	0.06	0.01	0.36	0.00	0.01	0.00	0.01
151	490060	3624526	0.95	0.28	0.05	0.00	0.08	0.01	0.49	0.00	0.02	0.01	0.02
152	490110	3624526	1.41	0.44	0.09	0.00	0.11	0.02	0.70	0.00	0.02	0.01	0.02
153	490160	3624526	2.33	0.80	0.16	0.00	0.17	0.03	1.08	0.01	0.04	0.01	0.03
154	490410	3624526	44.96	2.09	0.42	0.00	3.77	0.58	36.17	0.25	0.65	0.30	0.74
155	490460	3624526	13.02	1.09	0.22	0.00	1.12	0.17	9.85	0.07	0.20	0.09	0.22
156	490510	3624526	6.26	0.67	0.13	0.00	0.55	0.08	4.55	0.03	0.10	0.04	0.11
157	490560	3624526	3.97	0.48	0.09	0.00	0.35	0.05	2.81	0.02	0.07	0.03	0.07
158	490610	3624526	2.61	0.34	0.07	0.00	0.23	0.04	1.81	0.01	0.04	0.02	0.05
159	490660	3624526	1.84	0.26	0.05	0.00	0.16	0.03	1.26	0.01	0.03	0.01	0.03
160	490710	3624526	1.37	0.20	0.04	0.00	0.12	0.02	0.92	0.01	0.02	0.01	0.02
161	489960	3624576	0.48	0.13	0.03	0.00	0.04	0.01	0.25	0.00	0.01	0.00	0.01
162	490010	3624576	0.63	0.18	0.04	0.00	0.05	0.01	0.33	0.00	0.01	0.00	0.01
163	490060	3624576	0.86	0.25	0.05	0.00	0.07	0.01	0.45	0.00	0.01	0.01	0.01
164	490110	3624576	1.29	0.38	0.08	0.00	0.10	0.02	0.67	0.00	0.02	0.01	0.02
165	490160	3624576	2.10	0.66	0.13	0.00	0.15	0.02	1.04	0.01	0.03	0.01	0.03
166	490210	3624576	3.90	1.36	0.27	0.00	0.26	0.04	1.83	0.01	0.06	0.02	0.05
167	490260	3624576	9.15	3.44	0.68	0.00	0.54	0.08	4.10	0.03	0.12	0.04	0.11
168	490310	3624576	22.90	5.22	1.04	0.00	1.47	0.23	14.14	0.10	0.29	0.12	0.29
169	490360	3624576	36.53	2.75	0.55	0.00	2.41	0.37	29.16	0.20	0.43	0.19	0.47
170	490410	3624576	20.56	1.43	0.29	0.00	1.57	0.24	16.21	0.11	0.28	0.12	0.31
171	490460	3624576	9.21	0.85	0.17	0.00	0.76	0.12	6.91	0.05	0.14	0.06	0.15
172	490510	3624576	4.58	0.52	0.10	0.00	0.40	0.06	3.29	0.02	0.07	0.03	0.08
173	490560	3624576	2.93	0.37	0.07	0.00	0.26	0.04	2.06	0.01	0.05	0.02	0.05
174	490610	3624576	2.15	0.29	0.06	0.00	0.19	0.03	1.48	0.01	0.04	0.01	0.04
175	490660	3624576	1.54	0.22	0.04	0.00	0.14	0.02	1.04	0.01	0.03	0.01	0.03
176	490710	3624576	1.16	0.18	0.04	0.00	0.10	0.02	0.78	0.01	0.02	0.01	0.02

Franklin School Project

Unmitigated Residential - Residential Construction Cancer Risk Summary

666	Receptor
53.76	Max

Receptor #	X	Y	Total	Mod BC	Mod AC	Port	Demo	Grad	BC	0.00	Pav	Demo-Port. 2	Demo-Port. 1,3,4
177	489960	3624626	0.45	0.12	0.02	0.00	0.04	0.01	0.24	0.00	0.01	0.00	0.01
178	490010	3624626	0.58	0.16	0.03	0.00	0.05	0.01	0.31	0.00	0.01	0.00	0.01
179	490060	3624626	0.76	0.22	0.04	0.00	0.06	0.01	0.40	0.00	0.01	0.00	0.01
180	490110	3624626	1.14	0.31	0.06	0.00	0.09	0.01	0.61	0.00	0.02	0.01	0.02
181	490160	3624626	1.71	0.49	0.10	0.00	0.13	0.02	0.91	0.01	0.03	0.01	0.03
182	490210	3624626	2.76	0.82	0.16	0.00	0.20	0.03	1.45	0.01	0.04	0.02	0.04
183	490260	3624626	4.83	1.34	0.27	0.00	0.34	0.05	2.65	0.02	0.07	0.03	0.07
184	490310	3624626	8.05	1.68	0.33	0.00	0.57	0.09	5.08	0.03	0.11	0.04	0.11
185	490360	3624626	10.48	1.40	0.28	0.00	0.77	0.12	7.51	0.05	0.14	0.06	0.15
186	490410	3624626	8.71	0.95	0.19	0.00	0.68	0.10	6.44	0.04	0.13	0.05	0.13
187	490460	3624626	5.73	0.64	0.13	0.00	0.48	0.07	4.16	0.03	0.09	0.04	0.09
188	490510	3624626	3.64	0.45	0.09	0.00	0.31	0.05	2.58	0.02	0.06	0.02	0.06
189	490560	3624626	2.27	0.31	0.06	0.00	0.20	0.03	1.57	0.01	0.04	0.02	0.04
190	490610	3624626	1.74	0.25	0.05	0.00	0.16	0.02	1.18	0.01	0.03	0.01	0.03
191	490660	3624626	1.31	0.20	0.04	0.00	0.12	0.02	0.88	0.01	0.02	0.01	0.02
192	490710	3624626	1.00	0.16	0.03	0.00	0.09	0.01	0.67	0.00	0.02	0.01	0.02
193	489960	3624676	0.43	0.11	0.02	0.00	0.03	0.01	0.24	0.00	0.01	0.00	0.01
194	490010	3624676	0.55	0.14	0.03	0.00	0.04	0.01	0.30	0.00	0.01	0.00	0.01
195	490060	3624676	0.72	0.18	0.04	0.00	0.06	0.01	0.40	0.00	0.01	0.00	0.01
196	490110	3624676	0.97	0.25	0.05	0.00	0.08	0.01	0.54	0.00	0.02	0.01	0.02
197	490160	3624676	1.35	0.36	0.07	0.00	0.10	0.02	0.74	0.01	0.02	0.01	0.02
198	490210	3624676	1.97	0.52	0.10	0.00	0.15	0.02	1.10	0.01	0.03	0.01	0.03
199	490260	3624676	2.95	0.71	0.14	0.00	0.22	0.03	1.72	0.01	0.05	0.02	0.04
200	490310	3624676	4.14	0.84	0.17	0.00	0.31	0.05	2.60	0.02	0.06	0.02	0.06
201	490360	3624676	4.95	0.80	0.16	0.00	0.38	0.06	3.36	0.02	0.07	0.03	0.07
202	490410	3624676	4.61	0.63	0.13	0.00	0.37	0.06	3.23	0.02	0.07	0.03	0.07
203	490460	3624676	3.45	0.46	0.09	0.00	0.29	0.04	2.42	0.02	0.05	0.02	0.06
204	490510	3624676	2.58	0.35	0.07	0.00	0.22	0.03	1.79	0.01	0.04	0.02	0.04
205	490560	3624676	1.89	0.27	0.05	0.00	0.17	0.03	1.29	0.01	0.03	0.01	0.03
206	490610	3624676	1.36	0.20	0.04	0.00	0.12	0.02	0.92	0.01	0.02	0.01	0.02
207	490660	3624676	1.13	0.17	0.03	0.00	0.10	0.02	0.75	0.01	0.02	0.01	0.02
208	490710	3624676	0.89	0.14	0.03	0.00	0.08	0.01	0.59	0.00	0.02	0.01	0.02
209	489960	3624726	0.41	0.10	0.02	0.00	0.03	0.01	0.23	0.00	0.01	0.00	0.01
210	490010	3624726	0.50	0.12	0.02	0.00	0.04	0.01	0.28	0.00	0.01	0.00	0.01
211	490060	3624726	0.62	0.15	0.03	0.00	0.05	0.01	0.35	0.00	0.01	0.00	0.01
212	490110	3624726	0.80	0.20	0.04	0.00	0.06	0.01	0.45	0.00	0.01	0.01	0.01
213	490160	3624726	1.06	0.27	0.05	0.00	0.08	0.01	0.60	0.00	0.02	0.01	0.02
214	490210	3624726	1.45	0.36	0.07	0.00	0.11	0.02	0.84	0.01	0.02	0.01	0.02
215	490260	3624726	1.99	0.45	0.09	0.00	0.15	0.02	1.19	0.01	0.03	0.01	0.03
216	490310	3624726	2.52	0.51	0.10	0.00	0.20	0.03	1.58	0.01	0.04	0.02	0.04
217	490360	3624726	2.88	0.51	0.10	0.00	0.23	0.03	1.89	0.01	0.04	0.02	0.04
218	490410	3624726	2.83	0.44	0.09	0.00	0.23	0.04	1.92	0.01	0.04	0.02	0.05
219	490460	3624726	2.53	0.37	0.07	0.00	0.21	0.03	1.73	0.01	0.04	0.02	0.04
220	490510	3624726	2.08	0.30	0.06	0.00	0.18	0.03	1.42	0.01	0.03	0.01	0.03

Franklin School Project

Unmitigated Residential - Residential Construction Cancer Risk Summary

666	Receptor
53.76	Max

Receptor #	X	Y	Total	Mod BC	Mod AC	Port	Demo	Grad	BC	0.00	Pav	Demo-Port. 2	Demo-Port. 1,3,4
221	490560	3624726	1.63	0.24	0.05	0.00	0.14	0.02	1.10	0.01	0.03	0.01	0.03
222	490610	3624726	1.16	0.18	0.04	0.00	0.10	0.02	0.78	0.01	0.02	0.01	0.02
223	490660	3624726	0.92	0.14	0.03	0.00	0.08	0.01	0.61	0.00	0.02	0.01	0.02
224	490710	3624726	0.80	0.13	0.03	0.00	0.07	0.01	0.53	0.00	0.01	0.01	0.01
225	489960	3624776	0.37	0.09	0.02	0.00	0.03	0.00	0.21	0.00	0.01	0.00	0.01
226	490010	3624776	0.44	0.11	0.02	0.00	0.04	0.01	0.25	0.00	0.01	0.00	0.01
227	490060	3624776	0.54	0.13	0.03	0.00	0.04	0.01	0.31	0.00	0.01	0.00	0.01
228	490110	3624776	0.67	0.16	0.03	0.00	0.05	0.01	0.39	0.00	0.01	0.00	0.01
229	490160	3624776	0.85	0.21	0.04	0.00	0.07	0.01	0.49	0.00	0.01	0.01	0.01
230	490210	3624776	1.10	0.26	0.05	0.00	0.09	0.01	0.65	0.00	0.02	0.01	0.02
231	490260	3624776	1.40	0.31	0.06	0.00	0.11	0.02	0.85	0.01	0.02	0.01	0.02
232	490310	3624776	1.70	0.34	0.07	0.00	0.14	0.02	1.06	0.01	0.03	0.01	0.03
233	490360	3624776	1.91	0.35	0.07	0.00	0.15	0.02	1.23	0.01	0.03	0.01	0.03
234	490410	3624776	1.94	0.33	0.07	0.00	0.16	0.02	1.28	0.01	0.03	0.01	0.03
235	490460	3624776	1.82	0.29	0.06	0.00	0.15	0.02	1.22	0.01	0.03	0.01	0.03
236	490510	3624776	1.59	0.25	0.05	0.00	0.14	0.02	1.06	0.01	0.03	0.01	0.03
237	490560	3624776	1.33	0.21	0.04	0.00	0.12	0.02	0.88	0.01	0.02	0.01	0.02
238	490610	3624776	1.08	0.17	0.03	0.00	0.10	0.01	0.72	0.00	0.02	0.01	0.02
239	490660	3624776	0.81	0.13	0.03	0.00	0.07	0.01	0.53	0.00	0.01	0.01	0.01
240	490710	3624776	0.66	0.11	0.02	0.00	0.06	0.01	0.43	0.00	0.01	0.00	0.01
241	489960	3624826	0.33	0.08	0.02	0.00	0.03	0.00	0.19	0.00	0.01	0.00	0.01
242	490010	3624826	0.39	0.09	0.02	0.00	0.03	0.00	0.22	0.00	0.01	0.00	0.01
243	490060	3624826	0.46	0.11	0.02	0.00	0.04	0.01	0.27	0.00	0.01	0.00	0.01
244	490110	3624826	0.56	0.13	0.03	0.00	0.05	0.01	0.32	0.00	0.01	0.00	0.01
245	490160	3624826	0.69	0.16	0.03	0.00	0.06	0.01	0.40	0.00	0.01	0.00	0.01
246	490210	3624826	0.85	0.19	0.04	0.00	0.07	0.01	0.50	0.00	0.01	0.01	0.01
247	490260	3624826	1.04	0.23	0.04	0.00	0.08	0.01	0.63	0.00	0.02	0.01	0.02
248	490310	3624826	1.23	0.25	0.05	0.00	0.10	0.02	0.76	0.01	0.02	0.01	0.02
249	490360	3624826	1.35	0.26	0.05	0.00	0.11	0.02	0.86	0.01	0.02	0.01	0.02
250	490410	3624826	1.39	0.25	0.05	0.00	0.12	0.02	0.90	0.01	0.02	0.01	0.02
251	490460	3624826	1.35	0.23	0.05	0.00	0.11	0.02	0.88	0.01	0.02	0.01	0.02
252	490510	3624826	1.23	0.20	0.04	0.00	0.10	0.02	0.81	0.01	0.02	0.01	0.02
253	490560	3624826	1.08	0.18	0.03	0.00	0.09	0.01	0.71	0.00	0.02	0.01	0.02
254	490610	3624826	0.92	0.15	0.03	0.00	0.08	0.01	0.60	0.00	0.02	0.01	0.02
255	490660	3624826	0.76	0.12	0.02	0.00	0.07	0.01	0.50	0.00	0.01	0.01	0.01
256	490710	3624826	0.59	0.10	0.02	0.00	0.05	0.01	0.39	0.00	0.01	0.00	0.01
257	489960	3624876	0.29	0.07	0.01	0.00	0.02	0.00	0.17	0.00	0.01	0.00	0.00
258	490010	3624876	0.34	0.08	0.02	0.00	0.03	0.00	0.20	0.00	0.01	0.00	0.01
259	490060	3624876	0.40	0.09	0.02	0.00	0.03	0.01	0.23	0.00	0.01	0.00	0.01
260	490110	3624876	0.48	0.11	0.02	0.00	0.04	0.01	0.28	0.00	0.01	0.00	0.01
261	490160	3624876	0.57	0.13	0.03	0.00	0.05	0.01	0.34	0.00	0.01	0.00	0.01
262	490210	3624876	0.68	0.15	0.03	0.00	0.06	0.01	0.41	0.00	0.01	0.00	0.01
263	490260	3624876	0.81	0.17	0.03	0.00	0.07	0.01	0.49	0.00	0.01	0.01	0.01
264	490310	3624876	0.93	0.19	0.04	0.00	0.08	0.01	0.57	0.00	0.02	0.01	0.01

Franklin School Project

Unmitigated Residential - Residential Construction Cancer Risk Summary

666	Receptor
53.76	Max

Receptor #	X	Y	Total	Mod BC	Mod AC	Port	Demo	Grad	BC	0.00	Pav	Demo-Port. 2	Demo-Port. 1,3,4
265	490360	3624876	1.01	0.19	0.04	0.00	0.08	0.01	0.64	0.00	0.02	0.01	0.02
266	490410	3624876	1.05	0.19	0.04	0.00	0.09	0.01	0.67	0.00	0.02	0.01	0.02
267	490460	3624876	1.03	0.18	0.04	0.00	0.09	0.01	0.67	0.00	0.02	0.01	0.02
268	490510	3624876	0.97	0.17	0.03	0.00	0.08	0.01	0.63	0.00	0.02	0.01	0.02
269	490560	3624876	0.88	0.15	0.03	0.00	0.08	0.01	0.57	0.00	0.01	0.01	0.01
270	490610	3624876	0.78	0.13	0.03	0.00	0.07	0.01	0.51	0.00	0.01	0.01	0.01
271	490660	3624876	0.67	0.11	0.02	0.00	0.06	0.01	0.43	0.00	0.01	0.00	0.01
272	490710	3624876	0.54	0.09	0.02	0.00	0.05	0.01	0.35	0.00	0.01	0.00	0.01
273	490210	3624326	1.52	0.51	0.10	0.00	0.14	0.02	0.68	0.00	0.03	0.01	0.03
274	490220	3624326	1.60	0.54	0.11	0.00	0.15	0.02	0.71	0.00	0.03	0.01	0.03
275	490230	3624326	1.69	0.57	0.11	0.00	0.16	0.02	0.74	0.00	0.03	0.01	0.03
276	490240	3624326	1.79	0.60	0.12	0.00	0.17	0.03	0.78	0.01	0.04	0.01	0.03
277	490250	3624326	1.89	0.64	0.13	0.00	0.18	0.03	0.83	0.01	0.04	0.01	0.03
278	490260	3624326	2.00	0.67	0.13	0.00	0.20	0.03	0.87	0.01	0.04	0.01	0.04
279	490270	3624326	2.10	0.70	0.14	0.00	0.21	0.03	0.91	0.01	0.04	0.02	0.04
280	490280	3624326	2.19	0.74	0.14	0.00	0.22	0.03	0.94	0.01	0.05	0.02	0.04
281	490290	3624326	2.29	0.78	0.15	0.00	0.23	0.03	0.98	0.01	0.05	0.02	0.04
282	490300	3624326	2.40	0.81	0.16	0.00	0.25	0.04	1.02	0.01	0.05	0.02	0.05
283	490310	3624326	2.50	0.85	0.17	0.00	0.26	0.04	1.06	0.01	0.05	0.02	0.05
284	490320	3624326	2.59	0.88	0.17	0.00	0.27	0.04	1.08	0.01	0.06	0.02	0.05
285	490330	3624326	2.68	0.92	0.18	0.00	0.28	0.04	1.11	0.01	0.06	0.02	0.05
286	490340	3624326	2.77	0.94	0.19	0.00	0.30	0.04	1.15	0.01	0.06	0.02	0.06
287	490350	3624326	2.87	0.96	0.19	0.00	0.31	0.05	1.20	0.01	0.07	0.02	0.06
288	490360	3624326	2.95	0.98	0.19	0.00	0.33	0.05	1.23	0.01	0.07	0.03	0.06
289	490370	3624326	3.03	0.98	0.20	0.00	0.35	0.05	1.28	0.01	0.07	0.03	0.07
290	490380	3624326	3.13	0.98	0.19	0.00	0.36	0.06	1.35	0.01	0.08	0.03	0.07
291	490390	3624326	3.20	0.97	0.19	0.00	0.38	0.06	1.41	0.01	0.08	0.03	0.07
292	490400	3624326	3.24	0.96	0.19	0.00	0.39	0.06	1.45	0.01	0.08	0.03	0.08
293	490410	3624326	3.27	0.94	0.19	0.00	0.39	0.06	1.49	0.01	0.08	0.03	0.08
294	490420	3624326	3.29	0.92	0.18	0.00	0.40	0.06	1.53	0.01	0.08	0.03	0.08
295	490430	3624326	3.30	0.89	0.18	0.00	0.40	0.06	1.57	0.01	0.08	0.03	0.08
296	490440	3624326	3.31	0.87	0.17	0.00	0.40	0.06	1.61	0.01	0.08	0.03	0.08
297	490450	3624326	3.30	0.84	0.17	0.00	0.40	0.06	1.64	0.01	0.08	0.03	0.08
298	490460	3624326	3.29	0.81	0.16	0.00	0.39	0.06	1.67	0.01	0.08	0.03	0.08
299	490210	3624336	1.65	0.56	0.11	0.00	0.15	0.02	0.72	0.00	0.03	0.01	0.03
300	490220	3624336	1.75	0.60	0.12	0.00	0.16	0.02	0.76	0.01	0.03	0.01	0.03
301	490230	3624336	1.85	0.64	0.13	0.00	0.17	0.03	0.80	0.01	0.04	0.01	0.03
302	490240	3624336	1.97	0.68	0.13	0.00	0.19	0.03	0.84	0.01	0.04	0.01	0.04
303	490250	3624336	2.06	0.72	0.14	0.00	0.20	0.03	0.87	0.01	0.04	0.02	0.04
304	490260	3624336	2.18	0.76	0.15	0.00	0.21	0.03	0.91	0.01	0.05	0.02	0.04
305	490270	3624336	2.30	0.81	0.16	0.00	0.23	0.03	0.96	0.01	0.05	0.02	0.04
306	490280	3624336	2.42	0.85	0.17	0.00	0.24	0.04	1.00	0.01	0.05	0.02	0.05
307	490290	3624336	2.54	0.90	0.18	0.00	0.26	0.04	1.05	0.01	0.05	0.02	0.05
308	490300	3624336	2.66	0.94	0.19	0.00	0.27	0.04	1.08	0.01	0.06	0.02	0.05

Franklin School Project

Unmitigated Residential - Residential Construction Cancer Risk Summary

666	Receptor
53.76	Max

Receptor #	X	Y	Total	Mod BC	Mod AC	Port	Demo	Grad	BC	0.00	Pav	Demo-Port. 2	Demo-Port. 1,3,4
309	490310	3624336	2.79	0.99	0.19	0.00	0.29	0.04	1.13	0.01	0.06	0.02	0.06
310	490320	3624336	2.94	1.03	0.20	0.00	0.31	0.05	1.19	0.01	0.06	0.02	0.06
311	490330	3624336	3.04	1.07	0.21	0.00	0.32	0.05	1.23	0.01	0.07	0.02	0.06
312	490340	3624336	3.15	1.10	0.22	0.00	0.34	0.05	1.27	0.01	0.07	0.03	0.07
313	490350	3624336	3.26	1.12	0.22	0.00	0.36	0.05	1.32	0.01	0.08	0.03	0.07
314	490360	3624336	3.34	1.13	0.22	0.00	0.38	0.06	1.36	0.01	0.08	0.03	0.07
315	490370	3624336	3.43	1.12	0.22	0.00	0.40	0.06	1.42	0.01	0.08	0.03	0.08
316	490380	3624336	3.53	1.11	0.22	0.00	0.42	0.06	1.49	0.01	0.09	0.03	0.08
317	490390	3624336	3.60	1.10	0.22	0.00	0.44	0.07	1.57	0.01	0.09	0.03	0.09
318	490400	3624336	3.64	1.07	0.21	0.00	0.45	0.07	1.62	0.01	0.09	0.04	0.09
319	490410	3624336	3.66	1.04	0.21	0.00	0.45	0.07	1.66	0.01	0.09	0.04	0.09
320	490420	3624336	3.67	1.01	0.20	0.00	0.45	0.07	1.71	0.01	0.09	0.04	0.09
321	490430	3624336	3.68	0.98	0.19	0.00	0.45	0.07	1.75	0.01	0.09	0.04	0.09
322	490440	3624336	3.67	0.94	0.19	0.00	0.45	0.07	1.80	0.01	0.09	0.04	0.09
323	490450	3624336	3.65	0.90	0.18	0.00	0.44	0.07	1.83	0.01	0.09	0.03	0.09
324	490460	3624336	3.62	0.87	0.17	0.00	0.44	0.07	1.86	0.01	0.09	0.03	0.09
325	490210	3624346	1.79	0.63	0.12	0.00	0.16	0.02	0.77	0.01	0.04	0.01	0.03
326	490220	3624346	1.91	0.68	0.13	0.00	0.17	0.03	0.81	0.01	0.04	0.01	0.03
327	490230	3624346	2.04	0.73	0.14	0.00	0.19	0.03	0.86	0.01	0.04	0.01	0.04
328	490240	3624346	2.19	0.78	0.15	0.00	0.21	0.03	0.91	0.01	0.04	0.02	0.04
329	490250	3624346	2.29	0.83	0.16	0.00	0.22	0.03	0.94	0.01	0.05	0.02	0.04
330	490260	3624346	2.44	0.88	0.17	0.00	0.23	0.04	0.99	0.01	0.05	0.02	0.05
331	490270	3624346	2.58	0.94	0.19	0.00	0.25	0.04	1.04	0.01	0.05	0.02	0.05
332	490280	3624346	2.69	0.99	0.20	0.00	0.26	0.04	1.06	0.01	0.06	0.02	0.05
333	490290	3624346	2.84	1.05	0.21	0.00	0.28	0.04	1.11	0.01	0.06	0.02	0.06
334	490300	3624346	3.03	1.11	0.22	0.00	0.31	0.05	1.19	0.01	0.07	0.02	0.06
335	490310	3624346	3.18	1.16	0.23	0.00	0.33	0.05	1.24	0.01	0.07	0.03	0.06
336	490320	3624346	3.32	1.22	0.24	0.00	0.35	0.05	1.28	0.01	0.08	0.03	0.07
337	490330	3624346	3.49	1.26	0.25	0.00	0.38	0.06	1.36	0.01	0.08	0.03	0.07
338	490340	3624346	3.60	1.29	0.25	0.00	0.40	0.06	1.40	0.01	0.08	0.03	0.08
339	490350	3624346	3.73	1.30	0.26	0.00	0.43	0.06	1.47	0.01	0.09	0.03	0.08
340	490360	3624346	3.82	1.30	0.26	0.00	0.45	0.07	1.52	0.01	0.09	0.03	0.09
341	490370	3624346	3.91	1.29	0.26	0.00	0.47	0.07	1.59	0.01	0.10	0.04	0.09
342	490380	3624346	4.01	1.26	0.25	0.00	0.50	0.08	1.67	0.01	0.10	0.04	0.10
343	490390	3624346	4.08	1.23	0.24	0.00	0.51	0.08	1.75	0.01	0.11	0.04	0.10
344	490400	3624346	4.10	1.19	0.24	0.00	0.52	0.08	1.81	0.01	0.11	0.04	0.10
345	490410	3624346	4.11	1.15	0.23	0.00	0.52	0.08	1.87	0.01	0.11	0.04	0.10
346	490420	3624346	4.11	1.11	0.22	0.00	0.52	0.08	1.92	0.01	0.11	0.04	0.10
347	490430	3624346	4.10	1.06	0.21	0.00	0.52	0.08	1.97	0.01	0.10	0.04	0.10
348	490440	3624346	4.08	1.02	0.20	0.00	0.51	0.08	2.01	0.01	0.10	0.04	0.10
349	490450	3624346	4.04	0.97	0.19	0.00	0.50	0.08	2.05	0.01	0.10	0.04	0.10
350	490460	3624346	3.99	0.93	0.18	0.00	0.49	0.07	2.07	0.01	0.10	0.04	0.10
351	490210	3624356	1.95	0.70	0.14	0.00	0.17	0.03	0.82	0.01	0.04	0.01	0.03
352	490220	3624356	2.10	0.76	0.15	0.00	0.19	0.03	0.87	0.01	0.04	0.01	0.04

Franklin School Project

Unmitigated Residential - Residential Construction Cancer Risk Summary

666	Receptor
53.76	Max

Receptor #	X	Y	Total	Mod BC	Mod AC	Port	Demo	Grad	BC	0.00	Pav	Demo-Port. 2	Demo-Port. 1,3,4
353	490230	3624356	2.26	0.83	0.16	0.00	0.21	0.03	0.93	0.01	0.04	0.02	0.04
354	490240	3624356	2.39	0.90	0.18	0.00	0.22	0.03	0.96	0.01	0.05	0.02	0.04
355	490250	3624356	2.56	0.96	0.19	0.00	0.24	0.04	1.01	0.01	0.05	0.02	0.05
356	490260	3624356	2.75	1.03	0.20	0.00	0.26	0.04	1.07	0.01	0.06	0.02	0.05
357	490270	3624356	2.89	1.10	0.22	0.00	0.28	0.04	1.11	0.01	0.06	0.02	0.05
358	490280	3624356	3.08	1.18	0.23	0.00	0.30	0.05	1.17	0.01	0.07	0.02	0.06
359	490290	3624356	3.26	1.25	0.25	0.00	0.32	0.05	1.22	0.01	0.07	0.03	0.06
360	490300	3624356	3.50	1.33	0.26	0.00	0.36	0.05	1.31	0.01	0.08	0.03	0.07
361	490310	3624356	3.68	1.40	0.28	0.00	0.38	0.06	1.37	0.01	0.08	0.03	0.07
362	490320	3624356	3.84	1.46	0.29	0.00	0.41	0.06	1.42	0.01	0.09	0.03	0.08
363	490330	3624356	4.05	1.50	0.30	0.00	0.44	0.07	1.51	0.01	0.09	0.03	0.09
364	490340	3624356	4.17	1.52	0.30	0.00	0.47	0.07	1.57	0.01	0.10	0.04	0.09
365	490350	3624356	4.30	1.52	0.30	0.00	0.50	0.08	1.64	0.01	0.11	0.04	0.10
366	490360	3624356	4.40	1.51	0.30	0.00	0.54	0.08	1.71	0.01	0.11	0.04	0.10
367	490370	3624356	4.49	1.48	0.29	0.00	0.56	0.09	1.79	0.01	0.12	0.04	0.11
368	490380	3624356	4.59	1.43	0.28	0.00	0.59	0.09	1.89	0.01	0.12	0.05	0.12
369	490390	3624356	4.64	1.38	0.27	0.00	0.61	0.09	1.98	0.01	0.12	0.05	0.12
370	490400	3624356	4.65	1.33	0.26	0.00	0.61	0.09	2.04	0.01	0.12	0.05	0.12
371	490410	3624356	4.64	1.27	0.25	0.00	0.61	0.09	2.11	0.01	0.12	0.05	0.12
372	490420	3624356	4.61	1.21	0.24	0.00	0.60	0.09	2.17	0.01	0.12	0.05	0.12
373	490430	3624356	4.58	1.16	0.23	0.00	0.59	0.09	2.22	0.02	0.12	0.05	0.12
374	490440	3624356	4.53	1.10	0.22	0.00	0.57	0.09	2.27	0.02	0.11	0.05	0.11
375	490450	3624356	4.48	1.05	0.21	0.00	0.56	0.09	2.30	0.02	0.11	0.04	0.11
376	490460	3624356	4.40	0.99	0.20	0.00	0.54	0.08	2.32	0.02	0.11	0.04	0.11
377	490210	3624366	2.13	0.79	0.16	0.00	0.19	0.03	0.87	0.01	0.04	0.01	0.04
378	490220	3624366	2.31	0.87	0.17	0.00	0.20	0.03	0.93	0.01	0.04	0.02	0.04
379	490230	3624366	2.51	0.96	0.19	0.00	0.22	0.03	0.99	0.01	0.05	0.02	0.04
380	490240	3624366	2.68	1.04	0.21	0.00	0.24	0.04	1.03	0.01	0.05	0.02	0.05
381	490250	3624366	2.90	1.14	0.23	0.00	0.26	0.04	1.10	0.01	0.06	0.02	0.05
382	490370	3624366	5.19	1.69	0.34	0.00	0.69	0.10	2.03	0.01	0.14	0.05	0.13
383	490380	3624366	5.27	1.63	0.32	0.00	0.71	0.11	2.14	0.01	0.15	0.06	0.14
384	490390	3624366	5.30	1.55	0.31	0.00	0.72	0.11	2.24	0.02	0.15	0.06	0.14
385	490400	3624366	5.28	1.47	0.29	0.00	0.72	0.11	2.32	0.02	0.15	0.06	0.14
386	490410	3624366	5.24	1.40	0.28	0.00	0.71	0.11	2.40	0.02	0.14	0.06	0.14
387	490420	3624366	5.19	1.32	0.26	0.00	0.69	0.11	2.46	0.02	0.14	0.05	0.14
388	490430	3624366	5.13	1.25	0.25	0.00	0.67	0.10	2.52	0.02	0.13	0.05	0.13
389	490440	3624366	5.05	1.18	0.23	0.00	0.65	0.10	2.56	0.02	0.13	0.05	0.13
390	490450	3624366	4.96	1.12	0.22	0.00	0.62	0.10	2.59	0.02	0.12	0.05	0.12
391	490460	3624366	4.86	1.05	0.21	0.00	0.60	0.09	2.61	0.02	0.12	0.05	0.12
392	490210	3624376	2.33	0.89	0.18	0.00	0.20	0.03	0.93	0.01	0.04	0.02	0.04
393	490220	3624376	2.55	0.99	0.20	0.00	0.22	0.03	0.99	0.01	0.05	0.02	0.04
394	490230	3624376	2.79	1.11	0.22	0.00	0.24	0.04	1.06	0.01	0.05	0.02	0.05
395	490240	3624376	3.02	1.23	0.24	0.00	0.26	0.04	1.11	0.01	0.06	0.02	0.05
396	490250	3624376	3.30	1.36	0.27	0.00	0.29	0.04	1.19	0.01	0.07	0.02	0.06

Franklin School Project

Unmitigated Residential - Residential Construction Cancer Risk Summary

666	Receptor
53.76	Max

Receptor #	X	Y	Total	Mod BC	Mod AC	Port	Demo	Grad	BC	0.00	Pav	Demo-Port. 2	Demo-Port. 1,3,4
397	490370	3624376	6.04	1.94	0.38	0.00	0.85	0.13	2.31	0.02	0.17	0.07	0.17
398	490380	3624376	6.09	1.84	0.36	0.00	0.87	0.13	2.45	0.02	0.18	0.07	0.17
399	490390	3624376	6.08	1.73	0.34	0.00	0.87	0.13	2.57	0.02	0.18	0.07	0.17
400	490400	3624376	6.02	1.63	0.32	0.00	0.85	0.13	2.66	0.02	0.17	0.07	0.17
401	490410	3624376	5.94	1.53	0.30	0.00	0.83	0.13	2.74	0.02	0.17	0.06	0.16
402	490420	3624376	5.85	1.44	0.29	0.00	0.80	0.12	2.81	0.02	0.16	0.06	0.16
403	490430	3624376	5.74	1.35	0.27	0.00	0.76	0.12	2.87	0.02	0.15	0.06	0.15
404	490440	3624376	5.62	1.26	0.25	0.00	0.73	0.11	2.91	0.02	0.14	0.06	0.14
405	490450	3624376	5.50	1.18	0.24	0.00	0.69	0.11	2.93	0.02	0.14	0.05	0.14
406	490460	3624376	5.35	1.11	0.22	0.00	0.66	0.10	2.93	0.02	0.13	0.05	0.13
407	490210	3624386	2.55	1.00	0.20	0.00	0.21	0.03	0.99	0.01	0.05	0.02	0.04
408	490220	3624386	2.80	1.13	0.22	0.00	0.23	0.04	1.05	0.01	0.05	0.02	0.05
409	490230	3624386	3.10	1.28	0.25	0.00	0.26	0.04	1.13	0.01	0.06	0.02	0.05
410	490240	3624386	3.43	1.45	0.29	0.00	0.29	0.04	1.22	0.01	0.06	0.02	0.05
411	490250	3624386	3.77	1.64	0.33	0.00	0.31	0.05	1.28	0.01	0.07	0.02	0.06
412	490370	3624386	7.07	2.21	0.44	0.00	1.07	0.16	2.65	0.02	0.22	0.08	0.21
413	490380	3624386	7.06	2.07	0.41	0.00	1.08	0.16	2.81	0.02	0.22	0.08	0.21
414	490390	3624386	7.01	1.93	0.38	0.00	1.06	0.16	2.96	0.02	0.21	0.08	0.21
415	490400	3624386	6.89	1.79	0.36	0.00	1.02	0.16	3.07	0.02	0.20	0.08	0.20
416	490410	3624386	6.75	1.67	0.33	0.00	0.97	0.15	3.16	0.02	0.19	0.08	0.19
417	490420	3624386	6.61	1.55	0.31	0.00	0.92	0.14	3.24	0.02	0.18	0.07	0.18
418	490430	3624386	6.45	1.44	0.29	0.00	0.87	0.13	3.29	0.02	0.17	0.07	0.17
419	490440	3624386	6.26	1.34	0.27	0.00	0.81	0.12	3.31	0.02	0.16	0.06	0.16
420	490450	3624386	6.09	1.25	0.25	0.00	0.77	0.12	3.32	0.02	0.15	0.06	0.15
421	490460	3624386	5.90	1.17	0.23	0.00	0.72	0.11	3.31	0.02	0.14	0.06	0.14
422	490210	3624396	2.79	1.13	0.22	0.00	0.23	0.03	1.05	0.01	0.05	0.02	0.04
423	490220	3624396	3.10	1.30	0.26	0.00	0.25	0.04	1.13	0.01	0.06	0.02	0.05
424	490230	3624396	3.47	1.50	0.30	0.00	0.28	0.04	1.21	0.01	0.06	0.02	0.05
425	490240	3624396	3.90	1.73	0.34	0.00	0.31	0.05	1.30	0.01	0.07	0.02	0.06
426	490250	3624396	4.42	2.02	0.40	0.00	0.35	0.05	1.41	0.01	0.08	0.03	0.07
427	490370	3624396	8.40	2.50	0.50	0.00	1.39	0.21	3.12	0.02	0.28	0.11	0.27
428	490380	3624396	8.27	2.31	0.46	0.00	1.35	0.21	3.28	0.02	0.27	0.11	0.27
429	490390	3624396	8.11	2.12	0.42	0.00	1.29	0.20	3.45	0.02	0.25	0.10	0.25
430	490400	3624396	7.90	1.95	0.39	0.00	1.21	0.18	3.57	0.02	0.24	0.09	0.24
431	490410	3624396	7.69	1.80	0.36	0.00	1.13	0.17	3.68	0.03	0.22	0.09	0.22
432	490420	3624396	7.47	1.66	0.33	0.00	1.05	0.16	3.75	0.03	0.20	0.08	0.21
433	490430	3624396	7.24	1.53	0.30	0.00	0.98	0.15	3.80	0.03	0.19	0.08	0.19
434	490440	3624396	6.99	1.41	0.28	0.00	0.91	0.14	3.80	0.03	0.18	0.07	0.18
435	490450	3624396	6.74	1.31	0.26	0.00	0.84	0.13	3.78	0.03	0.16	0.07	0.17
436	490460	3624396	6.49	1.22	0.24	0.00	0.79	0.12	3.73	0.03	0.15	0.06	0.15
437	490210	3624406	3.05	1.27	0.25	0.00	0.24	0.04	1.12	0.01	0.06	0.02	0.05
438	490220	3624406	3.43	1.48	0.29	0.00	0.27	0.04	1.21	0.01	0.06	0.02	0.05
439	490230	3624406	3.90	1.75	0.35	0.00	0.30	0.04	1.30	0.01	0.07	0.02	0.06
440	490240	3624406	4.45	2.07	0.41	0.00	0.33	0.05	1.40	0.01	0.08	0.03	0.06

Franklin School Project

Unmitigated Residential - Residential Construction Cancer Risk Summary

666	Receptor
53.76	Max

Receptor #	X	Y	Total	Mod BC	Mod AC	Port	Demo	Grad	BC	0.00	Pav	Demo-Port. 2	Demo-Port. 1,3,4
441	490250	3624406	5.21	2.53	0.50	0.00	0.38	0.06	1.53	0.01	0.09	0.03	0.07
442	490370	3624406	10.07	2.80	0.56	0.00	1.84	0.28	3.70	0.03	0.36	0.14	0.36
443	490380	3624406	9.73	2.55	0.51	0.00	1.71	0.26	3.87	0.03	0.33	0.13	0.33
444	490390	3624406	9.40	2.32	0.46	0.00	1.56	0.24	4.06	0.03	0.30	0.12	0.31
445	490400	3624406	9.08	2.11	0.42	0.00	1.42	0.22	4.20	0.03	0.28	0.11	0.28
446	490410	3624406	8.76	1.93	0.38	0.00	1.30	0.20	4.31	0.03	0.25	0.10	0.26
447	490420	3624406	8.45	1.77	0.35	0.00	1.19	0.18	4.37	0.03	0.23	0.09	0.23
448	490430	3624406	8.15	1.62	0.32	0.00	1.09	0.17	4.40	0.03	0.21	0.09	0.21
449	490440	3624406	7.82	1.49	0.30	0.00	1.01	0.15	4.37	0.03	0.19	0.08	0.20
450	490450	3624406	7.47	1.36	0.27	0.00	0.93	0.14	4.31	0.03	0.18	0.07	0.18
451	490460	3624406	7.14	1.26	0.25	0.00	0.86	0.13	4.22	0.03	0.16	0.07	0.17
452	490210	3624416	3.32	1.42	0.28	0.00	0.25	0.04	1.19	0.01	0.06	0.02	0.05
453	490220	3624416	3.79	1.69	0.33	0.00	0.28	0.04	1.29	0.01	0.07	0.02	0.06
454	490230	3624416	4.40	2.05	0.41	0.00	0.32	0.05	1.40	0.01	0.08	0.02	0.06
455	490240	3624416	5.14	2.51	0.50	0.00	0.36	0.05	1.52	0.01	0.09	0.03	0.07
456	490250	3624416	6.21	3.20	0.64	0.00	0.42	0.06	1.66	0.01	0.10	0.03	0.08
457	490370	3624416	12.08	3.10	0.62	0.00	2.42	0.37	4.42	0.03	0.46	0.19	0.47
458	490380	3624416	11.46	2.79	0.55	0.00	2.13	0.33	4.64	0.03	0.41	0.17	0.42
459	490390	3624416	10.90	2.51	0.50	0.00	1.87	0.29	4.84	0.03	0.36	0.15	0.37
460	490400	3624416	10.42	2.27	0.45	0.00	1.66	0.25	4.99	0.03	0.32	0.13	0.33
461	490410	3624416	9.99	2.05	0.41	0.00	1.48	0.23	5.09	0.03	0.29	0.12	0.29
462	490420	3624416	9.57	1.86	0.37	0.00	1.34	0.21	5.13	0.04	0.26	0.11	0.26
463	490430	3624416	9.17	1.70	0.34	0.00	1.22	0.19	5.12	0.04	0.23	0.10	0.24
464	490440	3624416	8.74	1.55	0.31	0.00	1.11	0.17	5.05	0.03	0.21	0.09	0.22
465	490450	3624416	8.29	1.41	0.28	0.00	1.01	0.15	4.92	0.03	0.19	0.08	0.20
466	490460	3624416	7.85	1.30	0.26	0.00	0.92	0.14	4.77	0.03	0.18	0.07	0.18
467	490210	3624426	3.59	1.56	0.31	0.00	0.27	0.04	1.27	0.01	0.06	0.02	0.05
468	490220	3624426	4.15	1.89	0.37	0.00	0.30	0.05	1.38	0.01	0.07	0.02	0.06
469	490230	3624426	4.86	2.32	0.46	0.00	0.34	0.05	1.51	0.01	0.08	0.03	0.07
470	490240	3624426	5.87	2.98	0.59	0.00	0.39	0.06	1.65	0.01	0.10	0.03	0.08
471	490250	3624426	7.43	4.03	0.80	0.00	0.45	0.07	1.82	0.01	0.11	0.04	0.09
472	490370	3624426	14.41	3.38	0.67	0.00	3.10	0.47	5.32	0.04	0.58	0.24	0.61
473	490380	3624426	13.40	3.00	0.60	0.00	2.58	0.39	5.60	0.04	0.49	0.20	0.51
474	490390	3624426	12.61	2.68	0.53	0.00	2.19	0.33	5.82	0.04	0.42	0.17	0.43
475	490400	3624426	11.97	2.40	0.48	0.00	1.90	0.29	5.98	0.04	0.36	0.15	0.37
476	490410	3624426	11.40	2.16	0.43	0.00	1.67	0.26	6.06	0.04	0.32	0.13	0.33
477	490420	3624426	10.86	1.95	0.39	0.00	1.49	0.23	6.06	0.04	0.28	0.12	0.29
478	490430	3624426	10.31	1.76	0.35	0.00	1.34	0.21	5.99	0.04	0.25	0.11	0.26
479	490440	3624426	9.76	1.60	0.32	0.00	1.21	0.19	5.85	0.04	0.23	0.09	0.24
480	490450	3624426	9.21	1.46	0.29	0.00	1.10	0.17	5.65	0.04	0.21	0.09	0.21
481	490460	3624426	8.62	1.33	0.26	0.00	0.99	0.15	5.39	0.04	0.19	0.08	0.19
482	490210	3624436	3.85	1.70	0.34	0.00	0.28	0.04	1.34	0.01	0.07	0.02	0.05
483	490220	3624436	4.51	2.09	0.41	0.00	0.31	0.05	1.47	0.01	0.08	0.02	0.06
484	490230	3624436	5.37	2.62	0.52	0.00	0.36	0.05	1.62	0.01	0.09	0.03	0.07

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Unmitigated Residential - Residential Construction Cancer Risk Summary

666	Receptor
53.76	Max

Receptor #	X	Y	Total	Mod BC	Mod AC	Port	Demo	Grad	BC	0.00	Pav	Demo-Port. 2	Demo-Port. 1,3,4
485	490240	3624436	6.68	3.49	0.69	0.00	0.42	0.06	1.79	0.01	0.10	0.03	0.08
486	490250	3624436	8.75	4.93	0.98	0.00	0.49	0.07	2.00	0.01	0.13	0.04	0.10
487	490370	3624436	16.90	3.63	0.72	0.00	3.71	0.57	6.52	0.04	0.69	0.29	0.73
488	490380	3624436	15.57	3.20	0.64	0.00	2.99	0.46	6.85	0.05	0.56	0.23	0.59
489	490390	3624436	14.56	2.83	0.56	0.00	2.49	0.38	7.10	0.05	0.47	0.20	0.49
490	490400	3624436	13.76	2.52	0.50	0.00	2.13	0.33	7.24	0.05	0.40	0.17	0.42
491	490410	3624436	13.02	2.25	0.45	0.00	1.86	0.29	7.27	0.05	0.35	0.15	0.37
492	490420	3624436	12.32	2.02	0.40	0.00	1.65	0.25	7.20	0.05	0.31	0.13	0.32
493	490430	3624436	11.59	1.81	0.36	0.00	1.46	0.22	7.00	0.05	0.28	0.11	0.29
494	490440	3624436	10.88	1.64	0.33	0.00	1.31	0.20	6.76	0.05	0.25	0.10	0.26
495	490450	3624436	10.18	1.49	0.30	0.00	1.18	0.18	6.45	0.04	0.22	0.09	0.23
496	490460	3624436	9.46	1.35	0.27	0.00	1.06	0.16	6.08	0.04	0.20	0.08	0.21
497	490210	3624446	4.11	1.83	0.36	0.00	0.29	0.04	1.43	0.01	0.07	0.02	0.06
498	490220	3624446	4.87	2.28	0.45	0.00	0.33	0.05	1.58	0.01	0.08	0.03	0.06
499	490230	3624446	5.94	2.95	0.59	0.00	0.38	0.06	1.75	0.01	0.10	0.03	0.07
500	490240	3624446	7.54	4.02	0.80	0.00	0.44	0.07	1.96	0.01	0.11	0.03	0.09
501	490250	3624446	10.01	5.75	1.14	0.00	0.53	0.08	2.20	0.02	0.14	0.04	0.10
502	490370	3624446	19.56	3.85	0.77	0.00	4.18	0.64	8.14	0.06	0.78	0.33	0.82
503	490380	3624446	18.00	3.36	0.67	0.00	3.34	0.51	8.52	0.06	0.62	0.26	0.65
504	490390	3624446	16.85	2.95	0.59	0.00	2.77	0.42	8.77	0.06	0.52	0.22	0.54
505	490400	3624446	15.86	2.61	0.52	0.00	2.36	0.36	8.86	0.06	0.44	0.19	0.46
506	490410	3624446	14.93	2.32	0.46	0.00	2.05	0.31	8.78	0.06	0.38	0.16	0.40
507	490420	3624446	14.00	2.07	0.41	0.00	1.79	0.27	8.56	0.06	0.34	0.14	0.35
508	490430	3624446	13.05	1.85	0.37	0.00	1.58	0.24	8.22	0.06	0.30	0.12	0.31
509	490440	3624446	12.12	1.67	0.33	0.00	1.40	0.22	7.80	0.05	0.26	0.11	0.28
510	490450	3624446	11.20	1.51	0.30	0.00	1.25	0.19	7.33	0.05	0.23	0.10	0.25
511	490460	3624446	10.30	1.36	0.27	0.00	1.12	0.17	6.82	0.05	0.21	0.09	0.22
512	490210	3624456	4.34	1.94	0.39	0.00	0.30	0.05	1.51	0.01	0.07	0.02	0.06
513	490220	3624456	5.18	2.43	0.48	0.00	0.34	0.05	1.68	0.01	0.08	0.03	0.07
514	490230	3624456	6.33	3.16	0.63	0.00	0.40	0.06	1.87	0.01	0.10	0.03	0.08
515	490240	3624456	8.17	4.38	0.87	0.00	0.47	0.07	2.12	0.01	0.12	0.04	0.09
516	490250	3624456	11.02	6.37	1.27	0.00	0.56	0.09	2.41	0.02	0.16	0.04	0.11
517	490370	3624456	22.65	4.04	0.80	0.00	4.54	0.70	10.40	0.07	0.84	0.36	0.89
518	490380	3624456	21.05	3.51	0.70	0.00	3.68	0.56	10.84	0.07	0.68	0.29	0.72
519	490390	3624456	19.69	3.06	0.61	0.00	3.05	0.47	11.02	0.08	0.57	0.24	0.60
520	490400	3624456	18.42	2.68	0.53	0.00	2.59	0.40	10.96	0.08	0.48	0.20	0.51
521	490410	3624456	17.19	2.37	0.47	0.00	2.23	0.34	10.68	0.07	0.41	0.18	0.44
522	490420	3624456	15.96	2.10	0.42	0.00	1.95	0.30	10.23	0.07	0.36	0.15	0.38
523	490430	3624456	14.69	1.87	0.37	0.00	1.70	0.26	9.64	0.07	0.32	0.13	0.33
524	490440	3624456	13.46	1.68	0.33	0.00	1.50	0.23	8.97	0.06	0.28	0.12	0.29
525	490450	3624456	12.27	1.51	0.30	0.00	1.32	0.20	8.27	0.06	0.24	0.10	0.26
526	490460	3624456	11.11	1.36	0.27	0.00	1.16	0.18	7.55	0.05	0.22	0.09	0.23
527	490210	3624466	4.55	2.03	0.40	0.00	0.31	0.05	1.59	0.01	0.07	0.02	0.06
528	490220	3624466	5.47	2.57	0.51	0.00	0.35	0.05	1.78	0.01	0.09	0.03	0.07

Franklin School Project

Unmitigated Residential - Residential Construction Cancer Risk Summary

666	Receptor
53.76	Max

Receptor #	X	Y	Total	Mod BC	Mod AC	Port	Demo	Grad	BC	0.00	Pav	Demo-Port. 2	Demo-Port. 1,3,4
529	490230	3624466	6.78	3.39	0.67	0.00	0.41	0.06	2.01	0.01	0.11	0.03	0.08
530	490240	3624466	8.78	4.70	0.93	0.00	0.49	0.07	2.30	0.02	0.13	0.04	0.10
531	490250	3624466	11.86	6.82	1.36	0.00	0.59	0.09	2.65	0.02	0.17	0.05	0.12
532	490370	3624466	26.66	4.19	0.83	0.00	4.92	0.75	13.61	0.09	0.91	0.39	0.97
533	490380	3624466	24.93	3.61	0.72	0.00	4.03	0.62	14.01	0.10	0.74	0.32	0.79
534	490390	3624466	23.11	3.11	0.62	0.00	3.32	0.51	13.94	0.10	0.61	0.26	0.65
535	490400	3624466	21.30	2.70	0.54	0.00	2.78	0.43	13.49	0.09	0.51	0.22	0.55
536	490410	3624466	19.59	2.36	0.47	0.00	2.38	0.36	12.83	0.09	0.44	0.19	0.47
537	490420	3624466	17.94	2.09	0.42	0.00	2.06	0.32	12.03	0.08	0.38	0.16	0.40
538	490430	3624466	16.31	1.86	0.37	0.00	1.79	0.27	11.11	0.08	0.33	0.14	0.35
539	490440	3624466	14.78	1.67	0.33	0.00	1.57	0.24	10.17	0.07	0.29	0.12	0.31
540	490450	3624466	13.24	1.49	0.30	0.00	1.37	0.21	9.18	0.06	0.25	0.11	0.27
541	490460	3624466	11.80	1.34	0.27	0.00	1.19	0.18	8.22	0.06	0.22	0.09	0.23
542	490210	3624476	4.72	2.09	0.42	0.00	0.31	0.05	1.67	0.01	0.08	0.02	0.06
543	490220	3624476	5.71	2.67	0.53	0.00	0.36	0.06	1.89	0.01	0.09	0.03	0.07
544	490230	3624476	7.18	3.57	0.71	0.00	0.43	0.07	2.16	0.01	0.11	0.03	0.08
545	490240	3624476	9.28	4.94	0.98	0.00	0.51	0.08	2.48	0.02	0.14	0.04	0.10
546	490250	3624476	12.49	7.11	1.41	0.00	0.62	0.09	2.89	0.02	0.18	0.05	0.12
547	490370	3624476	32.32	4.28	0.85	0.00	5.49	0.84	18.22	0.13	1.00	0.43	1.08
548	490380	3624476	29.99	3.65	0.73	0.00	4.43	0.68	18.36	0.13	0.81	0.35	0.87
549	490390	3624476	27.53	3.13	0.62	0.00	3.63	0.56	17.82	0.12	0.66	0.28	0.71
550	490400	3624476	24.96	2.69	0.54	0.00	3.01	0.46	16.76	0.12	0.55	0.24	0.59
551	490410	3624476	21.91	2.31	0.46	0.00	2.47	0.38	15.05	0.10	0.45	0.19	0.49
552	490420	3624476	19.47	2.02	0.40	0.00	2.10	0.32	13.58	0.09	0.38	0.16	0.41
553	490430	3624476	17.49	1.80	0.36	0.00	1.82	0.28	12.32	0.08	0.33	0.14	0.36
554	490440	3624476	15.58	1.61	0.32	0.00	1.58	0.24	11.04	0.08	0.29	0.12	0.31
555	490450	3624476	13.85	1.44	0.29	0.00	1.38	0.21	9.84	0.07	0.25	0.11	0.27
556	490460	3624476	12.21	1.29	0.26	0.00	1.19	0.18	8.68	0.06	0.22	0.09	0.23
557	490210	3624486	4.84	2.13	0.42	0.00	0.32	0.05	1.75	0.01	0.08	0.02	0.06
558	490220	3624486	5.89	2.73	0.54	0.00	0.37	0.06	1.99	0.01	0.09	0.03	0.07
559	490230	3624486	7.41	3.65	0.73	0.00	0.43	0.07	2.29	0.02	0.11	0.03	0.08
560	490240	3624486	9.65	5.07	1.01	0.00	0.52	0.08	2.67	0.02	0.14	0.04	0.10
561	490250	3624486	12.94	7.26	1.44	0.00	0.63	0.10	3.14	0.02	0.18	0.05	0.12
562	490380	3624486	37.62	3.69	0.73	0.00	5.03	0.77	24.95	0.17	0.90	0.39	0.99
563	490390	3624486	33.96	3.14	0.62	0.00	4.07	0.62	23.48	0.16	0.73	0.32	0.80
564	490400	3624486	29.49	2.67	0.53	0.00	3.28	0.50	20.89	0.14	0.59	0.26	0.64
565	490410	3624486	23.71	2.19	0.43	0.00	2.49	0.38	16.97	0.12	0.45	0.20	0.49
566	490420	3624486	20.53	1.90	0.38	0.00	2.08	0.32	14.80	0.10	0.37	0.16	0.41
567	490430	3624486	17.90	1.68	0.33	0.00	1.77	0.27	12.95	0.09	0.32	0.14	0.35
568	490440	3624486	15.68	1.50	0.30	0.00	1.52	0.23	11.36	0.08	0.27	0.12	0.30
569	490450	3624486	13.75	1.35	0.27	0.00	1.31	0.20	9.95	0.07	0.24	0.10	0.26
570	490460	3624486	12.23	1.22	0.24	0.00	1.15	0.18	8.84	0.06	0.21	0.09	0.23
571	490210	3624496	4.95	2.15	0.43	0.00	0.32	0.05	1.82	0.01	0.08	0.03	0.06
572	490220	3624496	6.07	2.78	0.55	0.00	0.37	0.06	2.09	0.01	0.09	0.03	0.07

Franklin School Project

Unmitigated Residential - Residential Construction Cancer Risk Summary

666	Receptor
53.76	Max

Receptor #	X	Y	Total	Mod BC	Mod AC	Port	Demo	Grad	BC	0.00	Pav	Demo-Port. 2	Demo-Port. 1,3,4
573	490230	3624496	7.58	3.68	0.73	0.00	0.44	0.07	2.41	0.02	0.11	0.03	0.09
574	490240	3624496	9.89	5.12	1.02	0.00	0.53	0.08	2.85	0.02	0.14	0.04	0.10
575	490250	3624496	13.24	7.29	1.45	0.00	0.64	0.10	3.37	0.02	0.18	0.05	0.13
576	490390	3624496	42.99	3.13	0.62	0.00	4.66	0.71	31.55	0.22	0.82	0.37	0.91
577	490400	3624496	36.17	2.66	0.53	0.00	3.71	0.57	26.85	0.18	0.65	0.29	0.73
578	490410	3624496	29.09	2.23	0.44	0.00	2.87	0.44	21.66	0.15	0.51	0.23	0.56
579	490420	3624496	24.46	1.94	0.39	0.00	2.35	0.36	18.23	0.13	0.42	0.18	0.46
580	490430	3624496	20.47	1.70	0.34	0.00	1.93	0.30	15.23	0.10	0.35	0.15	0.38
581	490440	3624496	17.01	1.48	0.29	0.00	1.58	0.24	12.60	0.09	0.28	0.12	0.31
582	490450	3624496	14.38	1.31	0.26	0.00	1.33	0.20	10.60	0.07	0.24	0.10	0.26
583	490460	3624496	12.24	1.16	0.23	0.00	1.12	0.17	8.98	0.06	0.20	0.09	0.22
584	490210	3624506	4.99	2.14	0.43	0.00	0.32	0.05	1.88	0.01	0.08	0.03	0.06
585	490220	3624506	6.13	2.77	0.55	0.00	0.37	0.06	2.17	0.01	0.09	0.03	0.07
586	490230	3624506	7.71	3.69	0.73	0.00	0.44	0.07	2.54	0.02	0.11	0.03	0.09
587	490240	3624506	9.96	5.05	1.00	0.00	0.53	0.08	2.99	0.02	0.14	0.04	0.10
588	490250	3624506	13.38	7.23	1.44	0.00	0.64	0.10	3.59	0.02	0.18	0.05	0.13
589	490400	3624506	45.81	2.64	0.53	0.00	4.38	0.67	35.39	0.24	0.76	0.34	0.86
590	490410	3624506	37.18	2.28	0.45	0.00	3.47	0.53	28.68	0.20	0.61	0.27	0.68
591	490420	3624506	29.97	1.99	0.40	0.00	2.75	0.42	23.02	0.16	0.48	0.22	0.54
592	490430	3624506	23.72	1.72	0.34	0.00	2.15	0.33	18.09	0.12	0.38	0.17	0.42
593	490440	3624506	19.36	1.51	0.30	0.00	1.74	0.27	14.65	0.10	0.31	0.14	0.34
594	490450	3624506	15.78	1.32	0.26	0.00	1.41	0.22	11.84	0.08	0.25	0.11	0.28
595	490460	3624506	12.90	1.16	0.23	0.00	1.15	0.18	9.59	0.07	0.21	0.09	0.23
596	490210	3624516	4.99	2.10	0.42	0.00	0.32	0.05	1.93	0.01	0.08	0.02	0.06
597	490220	3624516	6.12	2.71	0.54	0.00	0.37	0.06	2.24	0.02	0.09	0.03	0.07
598	490230	3624516	7.63	3.56	0.71	0.00	0.44	0.07	2.61	0.02	0.11	0.03	0.09
599	490240	3624516	9.85	4.88	0.97	0.00	0.52	0.08	3.11	0.02	0.14	0.04	0.10
600	490250	3624516	13.23	6.99	1.39	0.00	0.63	0.10	3.75	0.03	0.17	0.05	0.12
601	490410	3624516	42.02	2.20	0.44	0.00	3.71	0.57	33.21	0.23	0.64	0.29	0.73
602	490420	3624516	32.32	1.91	0.38	0.00	2.83	0.43	25.32	0.17	0.50	0.22	0.56
603	490430	3624516	25.12	1.67	0.33	0.00	2.19	0.34	19.47	0.13	0.39	0.17	0.43
604	490440	3624516	20.13	1.47	0.29	0.00	1.76	0.27	15.45	0.11	0.31	0.14	0.34
605	490450	3624516	16.35	1.29	0.26	0.00	1.43	0.22	12.43	0.09	0.26	0.11	0.28
606	490460	3624516	13.32	1.14	0.23	0.00	1.16	0.18	10.02	0.07	0.21	0.09	0.23
607	490210	3624526	4.91	2.02	0.40	0.00	0.31	0.05	1.96	0.01	0.07	0.02	0.06
608	490220	3624526	6.01	2.59	0.52	0.00	0.36	0.06	2.28	0.02	0.09	0.03	0.07
609	490230	3624526	7.47	3.39	0.67	0.00	0.43	0.07	2.67	0.02	0.11	0.03	0.08
610	490240	3624526	9.57	4.60	0.91	0.00	0.51	0.08	3.18	0.02	0.13	0.04	0.10
611	490250	3624526	12.78	6.56	1.30	0.00	0.61	0.09	3.85	0.03	0.16	0.05	0.12
612	490410	3624526	44.96	2.09	0.42	0.00	3.77	0.58	36.17	0.25	0.65	0.30	0.74
613	490420	3624526	33.32	1.82	0.36	0.00	2.80	0.43	26.46	0.18	0.49	0.22	0.55
614	490430	3624526	25.33	1.59	0.32	0.00	2.14	0.33	19.86	0.14	0.38	0.17	0.42
615	490440	3624526	20.01	1.40	0.28	0.00	1.70	0.26	15.50	0.11	0.30	0.13	0.33
616	490450	3624526	16.13	1.24	0.25	0.00	1.38	0.21	12.34	0.08	0.25	0.11	0.27

Franklin School Project

Unmitigated Residential - Residential Construction Cancer Risk Summary

666	Receptor
53.76	Max

Receptor #	X	Y	Total	Mod BC	Mod AC	Port	Demo	Grad	BC	0.00	Pav	Demo-Port. 2	Demo-Port. 1,3,4
617	490460	3624526	13.02	1.09	0.22	0.00	1.12	0.17	9.85	0.07	0.20	0.09	0.22
618	490210	3624536	4.78	1.91	0.38	0.00	0.31	0.05	1.97	0.01	0.07	0.02	0.06
619	490220	3624536	5.78	2.41	0.48	0.00	0.35	0.05	2.28	0.02	0.08	0.03	0.07
620	490230	3624536	7.17	3.15	0.63	0.00	0.42	0.06	2.69	0.02	0.10	0.03	0.08
621	490240	3624536	9.05	4.19	0.83	0.00	0.49	0.07	3.19	0.02	0.12	0.04	0.10
622	490250	3624536	11.97	5.91	1.17	0.00	0.59	0.09	3.87	0.03	0.15	0.05	0.12
623	490410	3624536	44.10	1.97	0.39	0.00	3.55	0.54	35.81	0.25	0.61	0.28	0.70
624	490420	3624536	31.97	1.72	0.34	0.00	2.60	0.40	25.56	0.18	0.45	0.20	0.51
625	490430	3624536	24.22	1.51	0.30	0.00	1.99	0.31	19.09	0.13	0.35	0.16	0.39
626	490440	3624536	19.12	1.33	0.26	0.00	1.59	0.24	14.87	0.10	0.28	0.12	0.31
627	490450	3624536	15.55	1.19	0.24	0.00	1.30	0.20	11.95	0.08	0.23	0.10	0.26
628	490460	3624536	12.66	1.05	0.21	0.00	1.07	0.16	9.61	0.07	0.19	0.08	0.21
629	490210	3624546	4.61	1.79	0.36	0.00	0.30	0.05	1.96	0.01	0.07	0.02	0.06
630	490220	3624546	5.50	2.22	0.44	0.00	0.34	0.05	2.26	0.02	0.08	0.03	0.07
631	490230	3624546	6.72	2.83	0.56	0.00	0.40	0.06	2.65	0.02	0.09	0.03	0.08
632	490240	3624546	8.41	3.71	0.74	0.00	0.47	0.07	3.15	0.02	0.11	0.04	0.09
633	490250	3624546	10.90	5.09	1.01	0.00	0.56	0.09	3.83	0.03	0.14	0.04	0.11
634	490410	3624546	38.87	1.84	0.37	0.00	3.05	0.47	31.56	0.22	0.53	0.24	0.60
635	490420	3624546	28.75	1.61	0.32	0.00	2.29	0.35	22.99	0.16	0.40	0.18	0.45
636	490430	3624546	22.14	1.42	0.28	0.00	1.79	0.27	17.45	0.12	0.32	0.14	0.35
637	490440	3624546	17.67	1.26	0.25	0.00	1.45	0.22	13.74	0.09	0.26	0.11	0.28
638	490450	3624546	14.44	1.12	0.22	0.00	1.20	0.18	11.10	0.08	0.21	0.09	0.24
639	490460	3624546	12.02	1.01	0.20	0.00	1.01	0.15	9.13	0.06	0.18	0.08	0.20
640	490210	3624556	4.39	1.64	0.33	0.00	0.29	0.04	1.93	0.01	0.07	0.02	0.06
641	490220	3624556	5.21	2.02	0.40	0.00	0.33	0.05	2.23	0.02	0.08	0.03	0.06
642	490230	3624556	6.29	2.53	0.50	0.00	0.38	0.06	2.61	0.02	0.09	0.03	0.07
643	490240	3624556	7.74	3.23	0.64	0.00	0.45	0.07	3.10	0.02	0.10	0.03	0.09
644	490250	3624556	9.74	4.25	0.84	0.00	0.53	0.08	3.74	0.03	0.12	0.04	0.10
645	490410	3624556	31.79	1.70	0.34	0.00	2.45	0.38	25.65	0.18	0.43	0.19	0.48
646	490420	3624556	24.67	1.50	0.30	0.00	1.94	0.30	19.63	0.13	0.34	0.15	0.38
647	490430	3624556	19.59	1.33	0.26	0.00	1.57	0.24	15.37	0.11	0.28	0.12	0.31
648	490440	3624556	15.94	1.18	0.24	0.00	1.30	0.20	12.36	0.08	0.23	0.10	0.25
649	490450	3624556	13.21	1.06	0.21	0.00	1.09	0.17	10.12	0.07	0.19	0.09	0.21
650	490460	3624556	11.10	0.96	0.19	0.00	0.92	0.14	8.41	0.06	0.17	0.07	0.18
651	490210	3624566	4.17	1.51	0.30	0.00	0.28	0.04	1.89	0.01	0.06	0.02	0.05
652	490220	3624566	4.91	1.83	0.36	0.00	0.31	0.05	2.18	0.02	0.07	0.02	0.06
653	490230	3624566	5.84	2.24	0.44	0.00	0.36	0.06	2.55	0.02	0.08	0.03	0.07
654	490240	3624566	7.06	2.77	0.55	0.00	0.42	0.06	3.01	0.02	0.10	0.03	0.08
655	490250	3624566	8.64	3.49	0.69	0.00	0.50	0.08	3.61	0.02	0.11	0.04	0.10
656	490260	3624566	10.71	4.42	0.88	0.00	0.59	0.09	4.40	0.03	0.14	0.05	0.12
657	490270	3624566	13.40	5.56	1.11	0.00	0.72	0.11	5.51	0.04	0.16	0.06	0.14
658	490280	3624566	16.70	6.72	1.34	0.00	0.90	0.14	7.12	0.05	0.20	0.07	0.18
659	490290	3624566	20.47	7.55	1.50	0.00	1.14	0.17	9.49	0.07	0.24	0.09	0.22
660	490300	3624566	25.00	7.80	1.55	0.00	1.48	0.23	13.15	0.09	0.30	0.12	0.29

Franklin School Project

Unmitigated Residential - Residential Construction Cancer Risk Summary

666	Receptor
53.76	Max

Receptor #	X	Y	Total	Mod BC	Mod AC	Port	Demo	Grad	BC	0.00	Pav	Demo-Port. 2	Demo-Port. 1,3,4
661	490310	3624566	30.42	7.42	1.48	0.00	1.91	0.29	18.30	0.13	0.37	0.15	0.38
662	490320	3624566	36.93	6.51	1.30	0.00	2.41	0.37	25.06	0.17	0.45	0.19	0.47
663	490330	3624566	43.83	5.45	1.08	0.00	2.84	0.44	32.49	0.22	0.52	0.22	0.56
664	490340	3624566	49.84	4.53	0.90	0.00	3.17	0.49	39.04	0.27	0.57	0.25	0.62
665	490350	3624566	53.23	3.78	0.75	0.00	3.36	0.52	43.00	0.30	0.60	0.26	0.66
666	490360	3624566	53.76	3.18	0.63	0.00	3.42	0.52	44.16	0.30	0.60	0.27	0.67
667	490370	3624566	51.49	2.71	0.54	0.00	3.35	0.51	42.59	0.29	0.59	0.26	0.66
668	490380	3624566	46.65	2.34	0.46	0.00	3.15	0.48	38.53	0.26	0.55	0.25	0.62
669	490390	3624566	39.50	2.03	0.40	0.00	2.80	0.43	32.35	0.22	0.49	0.22	0.55
670	490400	3624566	31.87	1.77	0.35	0.00	2.36	0.36	25.77	0.18	0.41	0.19	0.46
671	490410	3624566	25.46	1.56	0.31	0.00	1.95	0.30	20.33	0.14	0.34	0.15	0.38
672	490420	3624566	20.67	1.39	0.28	0.00	1.62	0.25	16.30	0.11	0.29	0.13	0.32
673	490430	3624566	16.94	1.24	0.25	0.00	1.35	0.21	13.20	0.09	0.24	0.11	0.27
674	490440	3624566	14.11	1.11	0.22	0.00	1.14	0.17	10.87	0.07	0.20	0.09	0.22
675	490450	3624566	11.89	1.00	0.20	0.00	0.98	0.15	9.06	0.06	0.18	0.08	0.19
676	490460	3624566	10.15	0.90	0.18	0.00	0.84	0.13	7.66	0.05	0.15	0.07	0.17
677	490210	3624576	3.90	1.36	0.27	0.00	0.26	0.04	1.83	0.01	0.06	0.02	0.05
678	490220	3624576	4.53	1.61	0.32	0.00	0.30	0.05	2.09	0.01	0.07	0.02	0.06
679	490230	3624576	5.34	1.94	0.39	0.00	0.34	0.05	2.43	0.02	0.08	0.03	0.07
680	490240	3624576	6.31	2.34	0.47	0.00	0.39	0.06	2.84	0.02	0.09	0.03	0.08
681	490250	3624576	7.59	2.84	0.57	0.00	0.46	0.07	3.40	0.02	0.10	0.04	0.09
682	490260	3624576	9.15	3.44	0.68	0.00	0.54	0.08	4.10	0.03	0.12	0.04	0.11
683	490270	3624576	11.04	4.11	0.82	0.00	0.64	0.10	5.02	0.03	0.14	0.05	0.13
684	490280	3624576	13.40	4.75	0.95	0.00	0.79	0.12	6.37	0.04	0.17	0.06	0.15
685	490290	3624576	16.12	5.21	1.04	0.00	0.97	0.15	8.23	0.06	0.20	0.08	0.19
686	490300	3624576	19.19	5.39	1.07	0.00	1.19	0.18	10.72	0.07	0.24	0.09	0.23
687	490310	3624576	22.90	5.22	1.04	0.00	1.47	0.23	14.14	0.10	0.29	0.12	0.29
688	490320	3624576	26.96	4.79	0.95	0.00	1.77	0.27	18.23	0.13	0.34	0.14	0.35
689	490330	3624576	30.81	4.22	0.84	0.00	2.03	0.31	22.32	0.15	0.38	0.16	0.40
690	490340	3624576	34.14	3.68	0.73	0.00	2.24	0.34	25.94	0.18	0.41	0.18	0.44
691	490350	3624576	36.09	3.18	0.63	0.00	2.37	0.36	28.27	0.19	0.43	0.19	0.46
692	490360	3624576	36.53	2.75	0.55	0.00	2.41	0.37	29.16	0.20	0.43	0.19	0.47
693	490370	3624576	35.31	2.39	0.47	0.00	2.38	0.36	28.44	0.20	0.42	0.19	0.47
694	490380	3624576	32.63	2.09	0.42	0.00	2.26	0.35	26.32	0.18	0.40	0.18	0.44
695	490390	3624576	28.81	1.83	0.36	0.00	2.07	0.32	23.14	0.16	0.37	0.16	0.41
696	490400	3624576	24.54	1.62	0.32	0.00	1.82	0.28	19.55	0.13	0.32	0.14	0.36
697	490410	3624576	20.56	1.43	0.29	0.00	1.57	0.24	16.21	0.11	0.28	0.12	0.31
698	490420	3624576	17.30	1.28	0.26	0.00	1.35	0.21	13.50	0.09	0.24	0.11	0.27
699	490430	3624576	14.60	1.15	0.23	0.00	1.16	0.18	11.27	0.08	0.21	0.09	0.23
700	490440	3624576	12.42	1.04	0.21	0.00	1.00	0.15	9.49	0.07	0.18	0.08	0.20
701	490450	3624576	10.64	0.94	0.19	0.00	0.87	0.13	8.05	0.06	0.16	0.07	0.17
702	490460	3624576	9.21	0.85	0.17	0.00	0.76	0.12	6.91	0.05	0.14	0.06	0.15
703	490210	3624586	3.65	1.22	0.24	0.00	0.25	0.04	1.76	0.01	0.05	0.02	0.05
704	490220	3624586	4.21	1.44	0.29	0.00	0.28	0.04	2.01	0.01	0.06	0.02	0.06

Franklin School Project

Unmitigated Residential - Residential Construction Cancer Risk Summary

666	Receptor
53.76	Max

Receptor #	X	Y	Total	Mod BC	Mod AC	Port	Demo	Grad	BC	0.00	Pav	Demo-Port. 2	Demo-Port. 1,3,4
705	490230	3624586	4.87	1.68	0.34	0.00	0.32	0.05	2.31	0.02	0.07	0.02	0.06
706	490240	3624586	5.68	1.99	0.39	0.00	0.36	0.06	2.68	0.02	0.08	0.03	0.07
707	490250	3624586	6.68	2.34	0.47	0.00	0.42	0.06	3.16	0.02	0.09	0.03	0.08
708	490260	3624586	7.92	2.75	0.55	0.00	0.49	0.08	3.79	0.03	0.11	0.04	0.10
709	490270	3624586	9.37	3.17	0.63	0.00	0.58	0.09	4.59	0.03	0.13	0.05	0.11
710	490280	3624586	11.15	3.55	0.71	0.00	0.69	0.11	5.71	0.04	0.15	0.05	0.14
711	490290	3624586	13.08	3.83	0.76	0.00	0.83	0.13	7.09	0.05	0.17	0.06	0.16
712	490300	3624586	15.34	3.95	0.79	0.00	0.99	0.15	8.92	0.06	0.20	0.08	0.19
713	490310	3624586	17.73	3.89	0.77	0.00	1.17	0.18	11.09	0.08	0.23	0.09	0.23
714	490320	3624586	20.40	3.67	0.73	0.00	1.36	0.21	13.70	0.09	0.26	0.11	0.27
715	490330	3624586	22.80	3.35	0.67	0.00	1.53	0.23	16.20	0.11	0.29	0.12	0.30
716	490340	3624586	24.74	3.02	0.60	0.00	1.67	0.26	18.31	0.13	0.31	0.13	0.33
717	490350	3624586	25.93	2.68	0.53	0.00	1.75	0.27	19.75	0.14	0.32	0.14	0.34
718	490360	3624586	26.30	2.37	0.47	0.00	1.79	0.27	20.43	0.14	0.32	0.14	0.35
719	490370	3624586	25.70	2.10	0.42	0.00	1.78	0.27	20.19	0.14	0.32	0.14	0.35
720	490380	3624586	24.22	1.86	0.37	0.00	1.71	0.26	19.10	0.13	0.31	0.13	0.34
721	490390	3624586	22.02	1.65	0.33	0.00	1.60	0.24	17.35	0.12	0.29	0.13	0.31
722	490400	3624586	19.42	1.47	0.29	0.00	1.45	0.22	15.23	0.10	0.26	0.11	0.28
723	490410	3624586	16.85	1.32	0.26	0.00	1.29	0.20	13.11	0.09	0.23	0.10	0.25
724	490420	3624586	14.64	1.19	0.24	0.00	1.14	0.18	11.29	0.08	0.21	0.09	0.22
725	490430	3624586	12.64	1.07	0.21	0.00	1.01	0.15	9.67	0.07	0.18	0.08	0.20
726	490440	3624586	10.95	0.97	0.19	0.00	0.89	0.14	8.30	0.06	0.16	0.07	0.17
727	490450	3624586	9.52	0.88	0.18	0.00	0.78	0.12	7.15	0.05	0.14	0.06	0.15
728	490460	3624586	8.34	0.81	0.16	0.00	0.69	0.11	6.22	0.04	0.13	0.05	0.14
729	490210	3624596	3.42	1.11	0.22	0.00	0.24	0.04	1.69	0.01	0.05	0.02	0.05
730	490220	3624596	3.90	1.28	0.25	0.00	0.26	0.04	1.92	0.01	0.06	0.02	0.05
731	490230	3624596	4.46	1.47	0.29	0.00	0.30	0.05	2.19	0.02	0.07	0.02	0.06
732	490240	3624596	5.15	1.70	0.34	0.00	0.34	0.05	2.53	0.02	0.07	0.03	0.07
733	490250	3624596	5.95	1.96	0.39	0.00	0.39	0.06	2.94	0.02	0.08	0.03	0.08
734	490260	3624596	6.92	2.24	0.44	0.00	0.45	0.07	3.48	0.02	0.10	0.04	0.09
735	490270	3624596	8.07	2.52	0.50	0.00	0.52	0.08	4.17	0.03	0.11	0.04	0.10
736	490280	3624596	9.41	2.77	0.55	0.00	0.61	0.09	5.06	0.03	0.13	0.05	0.12
737	490290	3624596	10.81	2.95	0.59	0.00	0.71	0.11	6.08	0.04	0.15	0.06	0.14
738	490300	3624596	12.46	3.04	0.60	0.00	0.83	0.13	7.42	0.05	0.17	0.06	0.16
739	490310	3624596	14.12	3.03	0.60	0.00	0.95	0.15	8.89	0.06	0.19	0.07	0.19
740	490320	3624596	15.90	2.91	0.58	0.00	1.08	0.17	10.59	0.07	0.21	0.08	0.21
741	490330	3624596	17.53	2.72	0.54	0.00	1.20	0.18	12.24	0.08	0.23	0.09	0.24
742	490340	3624596	18.75	2.51	0.50	0.00	1.29	0.20	13.56	0.09	0.24	0.10	0.25
743	490350	3624596	19.54	2.28	0.45	0.00	1.35	0.21	14.52	0.10	0.25	0.11	0.27
744	490360	3624596	19.88	2.06	0.41	0.00	1.39	0.21	15.07	0.10	0.25	0.11	0.27
745	490370	3624596	19.63	1.85	0.37	0.00	1.39	0.21	15.07	0.10	0.25	0.11	0.27
746	490380	3624596	18.80	1.66	0.33	0.00	1.35	0.21	14.52	0.10	0.25	0.11	0.27
747	490390	3624596	17.45	1.49	0.30	0.00	1.28	0.20	13.50	0.09	0.23	0.10	0.25
748	490400	3624596	15.75	1.34	0.27	0.00	1.18	0.18	12.15	0.08	0.21	0.09	0.23

Franklin School Project

Unmitigated Residential - Residential Construction Cancer Risk Summary

666	Receptor
53.76	Max

Receptor #	X	Y	Total	Mod BC	Mod AC	Port	Demo	Grad	BC	0.00	Pav	Demo-Port. 2	Demo-Port. 1,3,4
749	490410	3624596	14.02	1.21	0.24	0.00	1.08	0.17	10.76	0.07	0.19	0.08	0.21
750	490420	3624596	12.42	1.10	0.22	0.00	0.97	0.15	9.48	0.07	0.18	0.08	0.19
751	490430	3624596	10.95	1.00	0.20	0.00	0.87	0.13	8.29	0.06	0.16	0.07	0.17
752	490440	3624596	9.65	0.91	0.18	0.00	0.78	0.12	7.26	0.05	0.14	0.06	0.15
753	490450	3624596	8.52	0.83	0.17	0.00	0.70	0.11	6.36	0.04	0.13	0.05	0.14
754	490460	3624596	7.56	0.76	0.15	0.00	0.63	0.10	5.60	0.04	0.11	0.05	0.12
755	490210	3624606	3.19	1.00	0.20	0.00	0.22	0.03	1.61	0.01	0.05	0.02	0.04
756	490220	3624606	3.59	1.13	0.23	0.00	0.25	0.04	1.81	0.01	0.05	0.02	0.05
757	490230	3624606	4.07	1.29	0.26	0.00	0.28	0.04	2.06	0.01	0.06	0.02	0.05
758	490240	3624606	4.64	1.46	0.29	0.00	0.31	0.05	2.35	0.02	0.07	0.02	0.06
759	490250	3624606	5.32	1.66	0.33	0.00	0.36	0.05	2.73	0.02	0.08	0.03	0.07
760	490260	3624606	6.10	1.86	0.37	0.00	0.41	0.06	3.18	0.02	0.09	0.03	0.08
761	490270	3624606	6.99	2.05	0.41	0.00	0.47	0.07	3.75	0.03	0.10	0.04	0.09
762	490280	3624606	8.02	2.22	0.44	0.00	0.54	0.08	4.45	0.03	0.11	0.04	0.11
763	490290	3624606	9.11	2.35	0.47	0.00	0.61	0.09	5.25	0.04	0.13	0.05	0.12
764	490300	3624606	10.30	2.42	0.48	0.00	0.70	0.11	6.21	0.04	0.14	0.05	0.14
765	490310	3624606	11.49	2.43	0.48	0.00	0.79	0.12	7.25	0.05	0.16	0.06	0.15
766	490320	3624606	12.73	2.37	0.47	0.00	0.88	0.13	8.40	0.06	0.17	0.07	0.17
767	490330	3624606	13.88	2.26	0.45	0.00	0.97	0.15	9.55	0.07	0.18	0.08	0.19
768	490340	3624606	14.73	2.12	0.42	0.00	1.03	0.16	10.45	0.07	0.20	0.08	0.20
769	490350	3624606	15.31	1.96	0.39	0.00	1.08	0.17	11.13	0.08	0.20	0.08	0.21
770	490360	3624606	15.63	1.80	0.36	0.00	1.11	0.17	11.60	0.08	0.21	0.09	0.22
771	490370	3624606	15.58	1.64	0.33	0.00	1.12	0.17	11.72	0.08	0.21	0.09	0.22
772	490380	3624606	15.12	1.49	0.30	0.00	1.10	0.17	11.47	0.08	0.20	0.09	0.22
773	490390	3624606	14.25	1.36	0.27	0.00	1.06	0.16	10.85	0.07	0.19	0.08	0.21
774	490400	3624606	13.03	1.23	0.24	0.00	0.99	0.15	9.90	0.07	0.18	0.08	0.19
775	490410	3624606	11.84	1.11	0.22	0.00	0.91	0.14	8.97	0.06	0.17	0.07	0.18
776	490420	3624606	10.69	1.02	0.20	0.00	0.84	0.13	8.06	0.06	0.15	0.07	0.16
777	490430	3624606	9.58	0.93	0.18	0.00	0.77	0.12	7.19	0.05	0.14	0.06	0.15
778	490440	3624606	8.58	0.85	0.17	0.00	0.69	0.11	6.39	0.04	0.13	0.05	0.14
779	490450	3624606	7.67	0.78	0.16	0.00	0.63	0.10	5.68	0.04	0.12	0.05	0.12
780	490460	3624606	6.88	0.72	0.14	0.00	0.57	0.09	5.06	0.03	0.10	0.04	0.11
781	490210	3624616	2.97	0.90	0.18	0.00	0.21	0.03	1.53	0.01	0.05	0.02	0.04
782	490220	3624616	3.32	1.01	0.20	0.00	0.23	0.04	1.71	0.01	0.05	0.02	0.05
783	490230	3624616	3.73	1.14	0.23	0.00	0.26	0.04	1.93	0.01	0.06	0.02	0.05
784	490240	3624616	4.21	1.27	0.25	0.00	0.29	0.04	2.20	0.02	0.06	0.02	0.06
785	490250	3624616	4.78	1.42	0.28	0.00	0.33	0.05	2.52	0.02	0.07	0.03	0.06
786	490260	3624616	5.41	1.57	0.31	0.00	0.37	0.06	2.91	0.02	0.08	0.03	0.07
787	490270	3624616	6.13	1.71	0.34	0.00	0.42	0.06	3.37	0.02	0.09	0.03	0.08
788	490280	3624616	6.94	1.83	0.36	0.00	0.48	0.07	3.94	0.03	0.10	0.04	0.09
789	490290	3624616	7.77	1.93	0.38	0.00	0.53	0.08	4.56	0.03	0.11	0.04	0.10
790	490300	3624616	8.64	1.98	0.39	0.00	0.60	0.09	5.25	0.04	0.12	0.05	0.12
791	490310	3624616	9.54	2.00	0.40	0.00	0.67	0.10	6.02	0.04	0.13	0.05	0.13
792	490320	3624616	10.45	1.97	0.39	0.00	0.73	0.11	6.85	0.05	0.14	0.06	0.14

Franklin School Project

Unmitigated Residential - Residential Construction Cancer Risk Summary

666	Receptor
53.76	**Max**

Receptor #	X	Y	Total	Mod BC	Mod AC	Port	Demo	Grad	BC	0.00	Pav	Demo-Port. 2	Demo-Port. 1,3,4
793	490330	3624616	11.28	1.90	0.38	0.00	0.80	0.12	7.66	0.05	0.15	0.06	0.16
794	490340	3624616	11.89	1.81	0.36	0.00	0.85	0.13	8.29	0.06	0.16	0.07	0.17
795	490350	3624616	12.37	1.70	0.34	0.00	0.89	0.14	8.84	0.06	0.17	0.07	0.17
796	490360	3624616	12.66	1.58	0.31	0.00	0.92	0.14	9.22	0.06	0.17	0.07	0.18
797	490370	3624616	12.69	1.46	0.29	0.00	0.93	0.14	9.38	0.06	0.17	0.07	0.18
798	490380	3624616	12.41	1.34	0.27	0.00	0.92	0.14	9.26	0.06	0.17	0.07	0.18
799	490390	3624616	11.83	1.23	0.24	0.00	0.89	0.14	8.86	0.06	0.16	0.07	0.17
800	490400	3624616	10.95	1.12	0.22	0.00	0.84	0.13	8.20	0.06	0.15	0.07	0.16
801	490410	3624616	10.11	1.03	0.20	0.00	0.78	0.12	7.56	0.05	0.14	0.06	0.15
802	490420	3624616	9.29	0.94	0.19	0.00	0.73	0.11	6.93	0.05	0.13	0.06	0.14
803	490430	3624616	8.46	0.87	0.17	0.00	0.68	0.10	6.28	0.04	0.12	0.05	0.13
804	490440	3624616	7.67	0.80	0.16	0.00	0.62	0.10	5.67	0.04	0.11	0.05	0.12
805	490450	3624616	6.94	0.74	0.15	0.00	0.57	0.09	5.10	0.04	0.10	0.04	0.11
806	490460	3624616	6.27	0.68	0.14	0.00	0.52	0.08	4.58	0.03	0.10	0.04	0.10

Franklin School Project

Unmitigated Residential - Residential Construction Health Impact Assessment

547	Receptor
0.49	Max

Receptor #	Max	Mod BC	Mod AC	Port	Demo	Grad	BC	AC	Paving	Demo-Port. 2	Demo-Port. 1,3,4
1	1.99E-03	9.29E-05	4.49E-05	2.27E-07	0.000434	0.000264	0.000258	3.54E-05	0.000177	0.000339118	0.000339118
2	2.19E-03	0.000102	4.95E-05	2.59E-07	0.000478	0.000291	0.000282	3.87E-05	0.000195	0.000373771	0.000373771
3	2.40E-03	0.000112	5.43E-05	2.89E-07	0.000526	0.000321	0.000308	4.22E-05	0.000214	0.000411033	0.000411033
4	2.62E-03	0.000122	5.92E-05	3.17E-07	0.000576	0.000351	0.000334	4.58E-05	0.000235	0.000450231	0.000450231
5	2.85E-03	0.000132	6.39E-05	3.41E-07	0.000627	0.000382	0.000361	4.94E-05	0.000255	0.000489959	0.000489959
6	3.07E-03	0.000142	6.83E-05	3.6E-07	0.000676	0.000412	0.000386	5.29E-05	0.000275	0.00052829	0.00052829
7	3.29E-03	0.000151	7.27E-05	3.72E-07	0.000726	0.000442	0.000412	5.64E-05	0.000295	0.000567215	0.000567215
8	3.47E-03	0.00016	7.69E-05	3.77E-07	0.000767	0.000468	0.000433	5.93E-05	0.000312	0.000599543	0.000599543
9	3.69E-03	0.000169	8.17E-05	3.83E-07	0.000815	0.000497	0.000457	6.27E-05	0.000332	0.000637432	0.000637432
10	3.89E-03	0.00018	8.69E-05	3.94E-07	0.000858	0.000524	0.000478	6.56E-05	0.00035	0.000671327	0.000671327
11	4.19E-03	0.000192	9.29E-05	4.07E-07	0.000927	0.000566	0.000512	7.01E-05	0.000378	0.000725101	0.000725101
12	4.49E-03	0.000204	9.85E-05	4.13E-07	0.000996	0.000608	0.000547	7.5E-05	0.000405	0.0007794	0.0007794
13	4.76E-03	0.000213	0.000103	4.08E-07	0.001056	0.000645	0.000579	7.94E-05	0.000429	0.00082672	0.00082672
14	4.98E-03	0.000219	0.000106	3.92E-07	0.001106	0.000675	0.000608	8.34E-05	0.000448	0.000865805	0.000865805
15	5.13E-03	0.000221	0.000107	3.66E-07	0.001141	0.000697	0.000633	8.69E-05	0.000461	0.000893639	0.000893639
16	5.20E-03	0.000218	0.000105	3.35E-07	0.001155	0.000705	0.00065	8.92E-05	0.000465	0.000904353	0.000904353
17	2.23E-03	0.000106	5.14E-05	3.64E-07	0.000488	0.000297	0.000289	3.96E-05	0.000199	0.000380846	0.000380846
18	2.49E-03	0.000119	5.75E-05	4.07E-07	0.000546	0.000332	0.00032	4.38E-05	0.000223	0.000425759	0.000425759
19	2.77E-03	0.000133	6.41E-05	4.5E-07	0.000609	0.00037	0.000353	4.83E-05	0.000249	0.000474687	0.000474687
20	3.08E-03	0.000147	7.09E-05	4.91E-07	0.000677	0.000412	0.000388	5.31E-05	0.000276	0.000527992	0.000527992
21	3.39E-03	0.000161	7.77E-05	5.3E-07	0.000747	0.000455	0.000424	5.8E-05	0.000305	0.000583148	0.000583148
22	3.71E-03	0.000175	8.42E-05	5.58E-07	0.000818	0.000498	0.000459	6.28E-05	0.000334	0.000638156	0.000638156
23	4.02E-03	0.000188	9.05E-05	5.62E-07	0.000888	0.000541	0.000494	6.77E-05	0.000362	0.000693517	0.000693517
24	4.29E-03	0.000201	9.67E-05	5.37E-07	0.000948	0.000578	0.000524	7.18E-05	0.000387	0.00074092	0.00074092
25	4.60E-03	0.000216	0.000104	5.34E-07	0.001017	0.00062	0.000558	7.64E-05	0.000416	0.000794884	0.000794884
26	4.90E-03	0.000232	0.000112	5.5E-07	0.001085	0.000662	0.00059	8.08E-05	0.000444	0.000848455	0.000848455
27	5.35E-03	0.000249	0.00012	5.64E-07	0.001189	0.000725	0.000639	8.75E-05	0.000485	0.000929694	0.000929694
28	5.78E-03	0.000264	0.000127	5.58E-07	0.001287	0.000785	0.000689	9.44E-05	0.000524	0.001006622	0.001006622
29	6.13E-03	0.000274	0.000132	5.32E-07	0.001366	0.000834	0.000732	0.0001	0.000555	0.001069214	0.001069214
30	6.38E-03	0.000277	0.000134	4.89E-07	0.001421	0.000868	0.00077	0.000106	0.000575	0.001112754	0.001112754
31	6.49E-03	0.000273	0.000132	4.38E-07	0.001446	0.000883	0.000797	0.000109	0.000582	0.001132392	0.001132392
32	6.45E-03	0.000264	0.000128	3.87E-07	0.001435	0.000877	0.000808	0.000111	0.000575	0.001124186	0.001124186
33	2.51E-03	0.000122	5.9E-05	3.49E-07	0.000548	0.000334	0.000324	4.43E-05	0.000224	0.000428018	0.000428018
34	2.85E-03	0.000139	6.72E-05	4.95E-07	0.000623	0.000378	0.000363	4.96E-05	0.000255	0.000485444	0.000485444
35	3.23E-03	0.000158	7.65E-05	4.15E-07	0.000706	0.00043	0.000406	5.56E-05	0.00029	0.000551621	0.000551621
36	3.65E-03	0.000179	8.64E-05	4.74E-07	0.000801	0.000488	0.000454	6.21E-05	0.000329	0.000625421	0.000625421
37	4.10E-03	0.0002	9.66E-05	5.4E-07	0.000902	0.00055	0.000504	6.9E-05	0.000371	0.000704756	0.000704756
38	4.56E-03	0.000222	0.000106	5.96E-07	0.001005	0.000612	0.000554	7.58E-05	0.000413	0.000785299	0.000785299
39	5.04E-03	0.000245	0.000116	6.9E-07	0.001113	0.000678	0.000605	8.28E-05	0.000456	0.000869245	0.000869245
40	5.46E-03	0.000263	0.000126	7.92E-07	0.001209	0.000736	0.000651	8.9E-05	0.000495	0.000943843	0.000943843
41	5.90E-03	0.000285	0.000137	7.83E-07	0.001308	0.000797	0.000697	9.54E-05	0.000537	0.001021884	0.001021884
42	6.41E-03	0.00031	0.000149	8.12E-07	0.001422	0.000866	0.000747	0.000102	0.000585	0.001111034	0.001111034
43	7.11E-03	0.000334	0.000162	8.09E-07	0.001586	0.000967	0.000824	0.000113	0.000648	0.001239684	0.001239684
44	7.70E-03	0.000351	0.00017	7.61E-07	0.00172	0.001049	0.000892	0.000122	0.000701	0.001345218	0.001345218

Franklin School Project

Unmitigated Residential - Residential Construction Health Impact Assessment

547	Receptor
0.49	Max

Receptor #	Max	Mod BC	Mod AC	Port	Demo	Grad	BC	AC	Paving	Demo-Port. 2	Demo-Port. 1,3,4
45	8.12E-03	0.000357	0.000173	6.83E-07	0.001816	0.001109	0.000952	0.00013	0.000737	0.001421337	0.001421337
46	8.32E-03	0.000352	0.000171	5.94E-07	0.001861	0.001137	0.000997	0.000137	0.000751	0.001457243	0.001457243
47	8.27E-03	0.000338	0.000164	5.08E-07	0.001848	0.001129	0.001018	0.00014	0.000741	0.001447355	0.001447355
48	8.00E-03	0.000316	0.000153	4.3E-07	0.001784	0.00109	0.001012	0.000139	0.000712	0.001397721	0.001397721
49	2.83E-03	0.00014	6.79E-05	3.59E-07	0.000616	0.000375	0.000363	4.97E-05	0.000253	0.000481188	0.000481188
50	3.26E-03	0.000164	7.91E-05	5.13E-07	0.000712	0.000433	0.000413	5.65E-05	0.000293	0.000555598	0.000555598
51	3.78E-03	0.000191	9.24E-05	4.64E-07	0.000826	0.000503	0.000471	6.45E-05	0.000341	0.0006451	0.0006451
52	4.38E-03	0.000223	0.000107	5.59E-07	0.00096	0.000585	0.000537	7.35E-05	0.000397	0.000749542	0.000749542
53	5.05E-03	0.000256	0.000123	6.84E-07	0.001111	0.000676	0.000609	8.33E-05	0.000459	0.000867231	0.000867231
54	5.77E-03	0.000293	0.000139	8.19E-07	0.001272	0.000775	0.000683	9.35E-05	0.000526	0.000993358	0.000993358
55	6.49E-03	0.000325	0.000155	9.96E-07	0.001438	0.000875	0.000758	0.000104	0.000593	0.001121997	0.001121997
56	7.14E-03	0.000359	0.000171	1.18E-06	0.001583	0.000963	0.000824	0.000113	0.000652	0.001234938	0.001234938
57	7.86E-03	0.000395	0.00019	1.26E-06	0.001747	0.001063	0.000895	0.000122	0.000721	0.001363311	0.001363311
58	8.75E-03	0.000435	0.00021	1.28E-06	0.00195	0.001187	0.000979	0.000134	0.000806	0.00152216	0.00152216
59	9.91E-03	0.000467	0.000226	1.18E-06	0.002221	0.001354	0.001105	0.000151	0.000909	0.001735855	0.001735855
60	1.07E-02	0.000479	0.000232	1.02E-06	0.002395	0.001461	0.0012	0.000164	0.000975	0.001873631	0.001873631
61	1.10E-02	0.000471	0.000228	8.46E-07	0.002481	0.001515	0.001276	0.000175	0.001003	0.001942168	0.001942168
62	1.10E-02	0.000447	0.000217	6.89E-07	0.002466	0.001507	0.001317	0.000181	0.00099	0.001931421	0.001931421
63	1.06E-02	0.000413	0.0002	5.6E-07	0.002362	0.001444	0.001312	0.00018	0.000942	0.001850718	0.001850718
64	9.86E-03	0.000373	0.000181	4.55E-07	0.002198	0.001344	0.001267	0.000174	0.000872	0.001722957	0.001722957
65	3.18E-03	0.000162	7.81E-05	4.02E-07	0.000691	0.000421	0.000407	5.57E-05	0.000285	0.000539558	0.000539558
66	3.74E-03	0.000193	9.35E-05	4.77E-07	0.000814	0.000496	0.000471	6.45E-05	0.000337	0.000636136	0.000636136
67	4.45E-03	0.000234	0.000113	5.86E-07	0.00097	0.000591	0.00055	7.53E-05	0.000403	0.000757808	0.000757808
68	5.32E-03	0.000282	0.000136	7.52E-07	0.001163	0.000708	0.000642	8.79E-05	0.000484	0.000907859	0.000907859
69	6.35E-03	0.000338	0.000163	1.01E-06	0.001393	0.000847	0.000748	0.000102	0.000581	0.001086752	0.001086752
70	7.52E-03	0.000401	0.000191	1.37E-06	0.001659	0.001008	0.000864	0.000118	0.000691	0.001293249	0.001293249
71	8.76E-03	0.00046	0.000219	1.77E-06	0.001944	0.00118	0.000983	0.000134	0.000807	0.001513603	0.001513603
72	9.90E-03	0.00052	0.000248	2.16E-06	0.002204	0.001337	0.001091	0.000149	0.000914	0.001715717	0.001715717
73	1.12E-02	0.000587	0.000283	2.33E-06	0.00251	0.001523	0.001211	0.000165	0.001043	0.001954466	0.001954466
74	1.31E-02	0.00065	0.000314	2.1E-06	0.002939	0.001788	0.001381	0.000189	0.001212	0.002292745	0.002292745
75	1.45E-02	0.000676	0.000327	1.67E-06	0.00329	0.002005	0.001547	0.000212	0.001346	0.002571292	0.002571292
76	1.53E-02	0.000664	0.000322	1.29E-06	0.003475	0.002121	0.001686	0.000231	0.001409	0.002719346	0.002719346
77	1.53E-02	0.00062	0.0003	9.75E-07	0.003455	0.002111	0.001767	0.000242	0.001388	0.002706231	0.002706231
78	1.45E-02	0.000559	0.000271	7.46E-07	0.00327	0.001999	0.001769	0.000243	0.001303	0.00256257	0.00256257
79	1.33E-02	0.000493	0.000239	5.79E-07	0.002986	0.001826	0.001699	0.000233	0.001182	0.002340956	0.002340956
80	1.19E-02	0.000428	0.000208	4.57E-07	0.002655	0.001624	0.001575	0.000216	0.001046	0.002081743	0.002081743
81	3.55E-03	0.000185	8.95E-05	3.31E-07	0.000768	0.000469	0.000454	6.22E-05	0.000319	0.000601007	0.000601007
82	4.28E-03	0.000228	0.00011	4.22E-07	0.000927	0.000565	0.000537	7.36E-05	0.000386	0.00072491	0.00072491
83	5.25E-03	0.000287	0.000139	5.73E-07	0.001138	0.000694	0.000643	8.81E-05	0.000477	0.000889915	0.000889915
84	6.51E-03	0.000365	0.000177	8.41E-07	0.001416	0.000862	0.000774	0.000106	0.000596	0.001105845	0.001105845
85	8.12E-03	0.000464	0.000224	1.37E-06	0.001776	0.001079	0.000933	0.000128	0.000749	0.001384534	0.001384534
86	1.02E-02	0.000582	0.000279	2.46E-06	0.002238	0.001356	0.001122	0.000153	0.000942	0.001740169	0.001740169
87	1.25E-02	0.000701	0.000335	4.2E-06	0.002781	0.001677	0.001327	0.00018	0.001163	0.002153684	0.002153684
88	1.50E-02	0.000827	0.000397	5.53E-06	0.003358	0.002023	0.001536	0.000208	0.0014	0.002597871	0.002597871

Franklin School Project

Unmitigated Residential - Residential Construction Health Impact Assessment

547	Receptor
0.49	Max

Receptor #	Max	Mod BC	Mod AC	Port	Demo	Grad	BC	AC	Paving	Demo-Port. 2	Demo-Port. 1,3,4
89	1.76E-02	0.00096	0.000463	4.76E-06	0.003964	0.002399	0.001744	0.000237	0.001659	0.003079083	0.003079083
90	2.10E-02	0.001029	0.000498	3.23E-06	0.00479	0.002915	0.002058	0.000281	0.001975	0.003738739	0.003738739
91	2.27E-02	0.001002	0.000485	2.13E-06	0.0052	0.003173	0.002304	0.000316	0.002117	0.004068094	0.004068094
92	2.28E-02	0.000913	0.000443	1.44E-06	0.005191	0.003172	0.002484	0.000341	0.002085	0.004066037	0.004066037
93	2.13E-02	0.000795	0.000385	1.01E-06	0.004815	0.002945	0.002509	0.000344	0.001913	0.003774111	0.003774111
94	1.89E-02	0.000675	0.000327	7.4E-07	0.004258	0.002605	0.002384	0.000327	0.001678	0.003338273	0.003338273
95	1.64E-02	0.000566	0.000274	5.57E-07	0.003657	0.002238	0.002166	0.000298	0.001433	0.002868126	0.002868126
96	1.39E-02	0.000473	0.000229	4.32E-07	0.003098	0.001896	0.001914	0.000263	0.001209	0.002429432	0.002429432
97	3.91E-03	0.000208	0.000101	3.07E-07	0.000843	0.000515	0.000502	6.88E-05	0.000351	0.000660151	0.000660151
98	4.83E-03	0.000266	0.000129	4.09E-07	0.001042	0.000636	0.000608	8.33E-05	0.000437	0.000815735	0.000815735
99	6.14E-03	0.000352	0.00017	5.94E-07	0.001324	0.000807	0.00075	0.000103	0.000559	0.001035153	0.001035153
100	7.96E-03	0.000478	0.000231	9.66E-07	0.001719	0.001048	0.000937	0.000128	0.000733	0.001343261	0.001343261
101	1.05E-02	0.000662	0.00032	1.9E-06	0.002286	0.001389	0.001181	0.000161	0.000981	0.001782006	0.001782006
102	1.43E-02	0.000922	0.000444	5.26E-06	0.003137	0.001889	0.001506	0.000204	0.001344	0.002426051	0.002426051
103	1.94E-02	0.001223	0.000586	1.98E-05	0.0044	0.002571	0.001931	0.000254	0.001826	0.003314235	0.003314235
104	2.54E-02	0.001545	0.000742	2.22E-05	0.005808	0.003418	0.002345	0.00031	0.002409	0.004402525	0.004402525
105	3.18E-02	0.001783	0.000862	8.77E-06	0.007283	0.004407	0.002732	0.000371	0.003066	0.005656402	0.005656402
106	3.77E-02	0.001711	0.000829	4.04E-06	0.008773	0.005351	0.003312	0.000453	0.003595	0.006860572	0.006860572
107	3.76E-02	0.001473	0.000714	2.23E-06	0.00871	0.005324	0.003713	0.000509	0.003496	0.006823936	0.006823936
108	3.40E-02	0.00121	0.000586	1.39E-06	0.007777	0.004757	0.003827	0.000525	0.003076	0.006097085	0.006097085
109	2.88E-02	0.000969	0.00047	9.41E-07	0.006513	0.003986	0.003587	0.000493	0.00255	0.005108059	0.005108059
110	2.36E-02	0.000772	0.000374	6.73E-07	0.005294	0.00324	0.003152	0.000433	0.002061	0.004152484	0.004152484
111	1.91E-02	0.000617	0.000299	5.03E-07	0.004253	0.002603	0.002667	0.000366	0.00165	0.003336525	0.003336525
112	1.55E-02	0.000497	0.000241	3.88E-07	0.003438	0.002105	0.002234	0.000307	0.00133	0.002697096	0.002697096
113	4.24E-03	0.00023	0.000112	2.91E-07	0.000912	0.000557	0.000549	7.53E-05	0.000381	0.000714051	0.000714051
114	5.38E-03	0.000305	0.000148	3.97E-07	0.001155	0.000705	0.000681	9.34E-05	0.000487	0.000903814	0.000903814
115	7.06E-03	0.000424	0.000205	5.89E-07	0.001511	0.000922	0.000866	0.000119	0.000644	0.00118227	0.00118227
116	9.61E-03	0.00062	0.0003	9.85E-07	0.002054	0.001253	0.00113	0.000155	0.000888	0.001606095	0.001606095
117	1.37E-02	0.000968	0.000469	2.05E-06	0.002931	0.001783	0.001511	0.000207	0.00129	0.002287036	0.002287036
118	7.69E-02	0.002788	0.001351	3.53E-06	0.018407	0.011258	0.006092	0.000836	0.007335	0.014429642	0.014429642
119	6.27E-02	0.002025	0.000982	1.89E-06	0.014621	0.008948	0.006521	0.000896	0.005723	0.011468206	0.011468206
120	4.85E-02	0.001477	0.000716	1.18E-06	0.011064	0.006773	0.005998	0.000824	0.004282	0.008679858	0.008679858
121	3.66E-02	0.00109	0.000529	7.99E-07	0.008215	0.005029	0.004981	0.000684	0.003161	0.006445543	0.006445543
122	2.75E-02	0.000821	0.000398	5.76E-07	0.006122	0.003748	0.003955	0.000544	0.002351	0.004803169	0.004803169
123	2.10E-02	0.000632	0.000306	4.35E-07	0.004632	0.002836	0.003102	0.000426	0.001778	0.003634495	0.003634495
124	1.63E-02	0.000496	0.00024	3.39E-07	0.003581	0.002192	0.002458	0.000338	0.001374	0.002809547	0.002809547
125	4.48E-03	0.000247	0.00012	2.7E-07	0.000958	0.000585	0.000588	8.07E-05	0.000403	0.000750094	0.000750094
126	5.80E-03	0.000335	0.000163	3.66E-07	0.001238	0.000756	0.000745	0.000102	0.000523	0.000969439	0.000969439
127	7.79E-03	0.000483	0.000234	5.29E-07	0.001656	0.001011	0.000973	0.000133	0.000709	0.001296632	0.001296632
128	1.11E-02	0.000757	0.000367	8.48E-07	0.002337	0.001427	0.001324	0.000182	0.001021	0.001829207	0.001829207
129	1.68E-02	0.001316	0.000638	1.53E-06	0.00351	0.002141	0.001874	0.000257	0.001578	0.002745542	0.002745542
130	1.54E-01	0.003931	0.001907	2.38E-06	0.037207	0.022786	0.013463	0.00185	0.014191	0.029200768	0.029200768
131	9.57E-02	0.00242	0.001174	1.43E-06	0.022026	0.013489	0.011983	0.001647	0.00834	0.017286421	0.017286421
132	6.16E-02	0.001579	0.000766	9.26E-07	0.013825	0.008467	0.008834	0.001214	0.005219	0.010849878	0.010849878

Franklin School Project

Unmitigated Residential - Residential Construction Health Impact Assessment

547	Receptor
0.49	Max

Receptor #	Max	Mod BC	Mod AC	Port	Demo	Grad	BC	AC	Paving	Demo-Port. 2	Demo-Port. 1,3,4
133	4.20E-02	0.001113	0.00054	6.6E-07	0.009296	0.005693	0.006353	0.000873	0.003515	0.007295163	0.007295163
134	2.92E-02	0.000805	0.00039	4.86E-07	0.006418	0.00393	0.004526	0.000622	0.002434	0.005036489	0.005036489
135	2.12E-02	0.000604	0.000293	3.73E-07	0.004642	0.002842	0.003323	0.000457	0.001765	0.003642518	0.003642518
136	1.59E-02	0.000467	0.000227	2.95E-07	0.003467	0.002123	0.002501	0.000344	0.001323	0.002720604	0.002720604
137	4.62E-03	0.000256	0.000124	2.45E-07	0.000985	0.000602	0.000616	8.46E-05	0.000413	0.000771645	0.000771645
138	6.04E-03	0.000351	0.00017	3.24E-07	0.001283	0.000784	0.000791	0.000109	0.000542	0.001005495	0.001005495
139	8.21E-03	0.000513	0.000249	4.45E-07	0.001734	0.00106	0.001053	0.000145	0.000743	0.001358206	0.001358206
140	1.20E-02	0.000833	0.000404	6.6E-07	0.002497	0.001526	0.001484	0.000204	0.001094	0.001956521	0.001956521
141	1.87E-02	0.001513	0.000734	1.01E-06	0.003838	0.002345	0.002212	0.000304	0.001738	0.003006434	0.003006434
142	2.39E-01	0.004208	0.002041	1.55E-06	0.054979	0.033683	0.033453	0.004599	0.019969	0.043162703	0.043162703
143	1.19E-01	0.00235	0.00114	1.05E-06	0.026491	0.016228	0.019289	0.002652	0.00969	0.020795763	0.020795763
144	6.64E-02	0.001476	0.000716	7.43E-07	0.014552	0.008913	0.011011	0.001514	0.005378	0.011422253	0.011422253
145	4.20E-02	0.001025	0.000497	5.55E-07	0.009151	0.005605	0.006956	0.000956	0.003414	0.007182249	0.007182249
146	2.77E-02	0.00073	0.000354	4.18E-07	0.006025	0.003689	0.004557	0.000626	0.002266	0.004727982	0.004727982
147	1.96E-02	0.000545	0.000264	3.26E-07	0.004258	0.002607	0.003209	0.000441	0.001611	0.003341172	0.003341172
148	1.45E-02	0.000421	0.000204	2.61E-07	0.003137	0.001921	0.002343	0.000322	0.001193	0.002461618	0.002461618
149	4.61E-03	0.000253	0.000123	2.17E-07	0.000978	0.000598	0.000627	8.61E-05	0.000411	0.000766605	0.000766605
150	5.93E-03	0.000344	0.000167	2.75E-07	0.00125	0.000764	0.000807	0.000111	0.000528	0.000979579	0.000979579
151	8.17E-03	0.000503	0.000244	3.64E-07	0.001715	0.001049	0.001087	0.000149	0.000731	0.001343946	0.001343946
152	1.18E-02	0.0008	0.000388	4.98E-07	0.002453	0.0015	0.001548	0.000213	0.001069	0.001922527	0.001922527
153	1.86E-02	0.001458	0.000707	7.03E-07	0.003787	0.002316	0.002393	0.000329	0.001697	0.002968963	0.002968963
154	3.93E-01	0.003814	0.00185	1.1E-06	0.08385	0.051379	0.08037	0.011051	0.028967	0.065837872	0.065837872
155	1.16E-01	0.001986	0.000964	8.2E-07	0.024833	0.015213	0.021886	0.003009	0.008919	0.01949522	0.01949522
156	5.65E-02	0.001214	0.000589	6.04E-07	0.012161	0.007449	0.010104	0.001389	0.004462	0.009545556	0.009545556
157	3.61E-02	0.00087	0.000422	4.76E-07	0.007783	0.004767	0.006243	0.000858	0.002893	0.006108836	0.006108836
158	2.38E-02	0.000628	0.000304	3.69E-07	0.005151	0.003155	0.004025	0.000553	0.001934	0.004042546	0.004042546
159	1.68E-02	0.000473	0.00023	2.92E-07	0.003632	0.002224	0.002792	0.000384	0.001375	0.002850232	0.002850232
160	1.25E-02	0.000369	0.000179	2.36E-07	0.002706	0.001657	0.002046	0.000281	0.00103	0.00212332	0.00212332
161	4.19E-03	0.00024	0.000116	1.88E-07	0.000887	0.000542	0.00056	7.69E-05	0.000374	0.000695117	0.000695117
162	5.41E-03	0.000322	0.000156	2.32E-07	0.001134	0.000694	0.000736	0.000101	0.000484	0.000889093	0.000889093
163	7.24E-03	0.000454	0.00022	2.93E-07	0.001504	0.00092	0.000997	0.000137	0.000648	0.001178867	0.001178867
164	1.07E-02	0.000692	0.000335	3.82E-07	0.002207	0.00135	0.001479	0.000203	0.000948	0.001730523	0.001730523
165	1.69E-02	0.001204	0.000584	5.16E-07	0.003439	0.002104	0.002316	0.000318	0.001495	0.00269664	0.00269664
166	2.94E-02	0.002478	0.001202	6.81E-07	0.00582	0.003562	0.004064	0.000558	0.002595	0.004565382	0.004565382
167	6.32E-02	0.006274	0.003044	8.36E-07	0.012009	0.007354	0.009103	0.001251	0.005361	0.009424568	0.009424568
168	1.67E-01	0.009515	0.004617	9.2E-07	0.032745	0.020061	0.031432	0.004322	0.01285	0.025707133	0.025707133
169	2.71E-01	0.005003	0.002428	8.98E-07	0.053644	0.032869	0.064796	0.00891	0.019174	0.042119395	0.042119395
170	1.68E-01	0.002612	0.001267	7.9E-07	0.034888	0.021375	0.036022	0.004953	0.012393	0.027391072	0.027391072
171	7.99E-02	0.001556	0.000755	6.49E-07	0.016971	0.010397	0.015346	0.00211	0.006159	0.013322732	0.013322732
172	4.10E-02	0.000952	0.000462	4.95E-07	0.008803	0.005391	0.007314	0.001005	0.003253	0.006909075	0.006909075
173	2.66E-02	0.000677	0.000329	3.94E-07	0.005735	0.003512	0.004571	0.000628	0.002142	0.004501001	0.004501001
174	1.96E-02	0.000532	0.000258	3.28E-07	0.004224	0.002587	0.003285	0.000452	0.001591	0.00331498	0.00331498
175	1.41E-02	0.000408	0.000198	2.65E-07	0.00305	0.001867	0.00232	0.000319	0.001158	0.002393202	0.002393202
176	1.07E-02	0.000322	0.000156	2.17E-07	0.002307	0.001413	0.001728	0.000237	0.000881	0.001810381	0.001810381

Franklin School Project

Unmitigated Residential - Residential Construction Health Impact Assessment

547	Receptor
0.49	Max

Receptor #	Max	Mod BC	Mod AC	Port	Demo	Grad	BC	AC	Paving	Demo-Port. 2	Demo-Port. 1,3,4
177	3.90E-03	0.000222	0.000107	1.63E-07	0.000824	0.000504	0.000533	7.32E-05	0.000347	0.000646189	0.000646189
178	4.96E-03	0.000289	0.00014	1.97E-07	0.001042	0.000637	0.000683	9.38E-05	0.000441	0.000816518	0.000816518
179	6.43E-03	0.000392	0.00019	2.41E-07	0.001344	0.000822	0.000879	0.000121	0.000572	0.001053596	0.001053596
180	9.52E-03	0.000568	0.000275	3.05E-07	0.001978	0.001211	0.001365	0.000188	0.000833	0.001551499	0.001551499
181	1.40E-02	0.000895	0.000434	3.91E-07	0.002867	0.001755	0.002014	0.000277	0.001219	0.002248608	0.002248608
182	2.18E-02	0.001487	0.000722	4.84E-07	0.004413	0.002702	0.003221	0.000443	0.001889	0.003462292	0.003462292
183	3.73E-02	0.002439	0.001183	5.7E-07	0.007501	0.004593	0.005898	0.000811	0.00314	0.005886092	0.005886092
184	6.28E-02	0.003054	0.001482	6.23E-07	0.012681	0.007767	0.01128	0.001551	0.005028	0.009953744	0.009953744
185	8.35E-02	0.002546	0.001235	6.26E-07	0.017067	0.010455	0.016684	0.002294	0.006418	0.013398098	0.013398098
186	7.25E-02	0.001725	0.000837	5.79E-07	0.015099	0.00925	0.014304	0.001967	0.005572	0.011853054	0.011853054
187	4.98E-02	0.001174	0.000569	5.07E-07	0.010562	0.006469	0.009242	0.001271	0.003908	0.008290449	0.008290449
188	3.26E-02	0.000816	0.000396	4.25E-07	0.006988	0.00428	0.005727	0.000787	0.002606	0.005484746	0.005484746
189	2.07E-02	0.000559	0.000271	3.36E-07	0.004476	0.002741	0.00349	0.00048	0.001684	0.00351273	0.00351273
190	1.59E-02	0.000448	0.000217	2.88E-07	0.003445	0.002109	0.002627	0.000361	0.001304	0.002703363	0.002703363
191	1.21E-02	0.000356	0.000173	2.41E-07	0.002615	0.001601	0.001956	0.000269	0.000996	0.002052072	0.002052072
192	9.27E-03	0.000285	0.000138	2E-07	0.00201	0.00123	0.001479	0.000203	0.00077	0.001576678	0.001576678
193	3.65E-03	0.0002	9.69E-05	1.42E-07	0.000764	0.000468	0.000527	7.24E-05	0.00032	0.000599325	0.000599325
194	4.66E-03	0.000254	0.000123	1.69E-07	0.000976	0.000597	0.000676	9.28E-05	0.000407	0.00076508	0.00076508
195	6.16E-03	0.000334	0.000162	2.03E-07	0.001294	0.000791	0.000895	0.000123	0.000537	0.001014318	0.001014318
196	8.16E-03	0.000458	0.000222	2.49E-07	0.001703	0.001042	0.00119	0.000163	0.000709	0.001335763	0.001335763
197	1.12E-02	0.000652	0.000316	3.04E-07	0.002311	0.001415	0.001649	0.000227	0.000967	0.001812854	0.001812854
198	1.61E-02	0.000946	0.000459	3.62E-07	0.003303	0.002022	0.002434	0.000335	0.00138	0.002591504	0.002591504
199	2.39E-02	0.001301	0.000631	4.15E-07	0.004894	0.002997	0.00382	0.000525	0.002003	0.003840576	0.003840576
200	3.36E-02	0.001534	0.000744	4.49E-07	0.006904	0.004228	0.005788	0.000796	0.002742	0.005418634	0.005418634
201	4.08E-02	0.001456	0.000706	4.57E-07	0.008448	0.005174	0.007458	0.001025	0.003253	0.006630498	0.006630498
202	3.90E-02	0.001156	0.000561	4.33E-07	0.008169	0.005003	0.007178	0.000987	0.003089	0.00641186	0.00641186
203	3.02E-02	0.000837	0.000406	3.84E-07	0.006405	0.003923	0.005375	0.000739	0.002412	0.005026998	0.005026998
204	2.31E-02	0.000638	0.000309	3.39E-07	0.004952	0.003032	0.003978	0.000547	0.001868	0.003886006	0.003886006
205	1.72E-02	0.000487	0.000236	2.92E-07	0.003707	0.00227	0.002867	0.000394	0.001404	0.002908799	0.002908799
206	1.25E-02	0.000368	0.000179	2.42E-07	0.002717	0.001664	0.002038	0.00028	0.001034	0.002131909	0.002131909
207	1.04E-02	0.000314	0.000152	2.16E-07	0.002266	0.001387	0.001675	0.00023	0.000865	0.001777612	0.001777612
208	8.27E-03	0.000257	0.000125	1.84E-07	0.001794	0.001098	0.001306	0.00018	0.000689	0.001407758	0.001407758
209	3.54E-03	0.000178	8.63E-05	1.25E-07	0.000749	0.000458	0.000516	7.09E-05	0.000306	0.000587052	0.000587052
210	4.33E-03	0.000221	0.000107	1.46E-07	0.000914	0.000559	0.000632	8.68E-05	0.000378	0.000716652	0.000716652
211	5.39E-03	0.00028	0.000136	1.73E-07	0.001135	0.000695	0.000788	0.000108	0.000467	0.000890287	0.000890287
212	6.84E-03	0.000365	0.000177	2.05E-07	0.001433	0.000877	0.001008	0.000139	0.000592	0.001123885	0.001123885
213	8.94E-03	0.000486	0.000236	2.43E-07	0.001864	0.001141	0.001334	0.000183	0.000772	0.001461921	0.001461921
214	1.21E-02	0.000647	0.000314	2.82E-07	0.002522	0.001544	0.001857	0.000255	0.001038	0.001978784	0.001978784
215	1.65E-02	0.000814	0.000395	3.16E-07	0.003428	0.002099	0.002645	0.000364	0.001386	0.002690071	0.002690071
216	2.10E-02	0.00092	0.000446	3.38E-07	0.004364	0.002672	0.003515	0.000483	0.001731	0.00342428	0.00342428
217	2.42E-02	0.00092	0.000446	3.45E-07	0.005059	0.003098	0.004203	0.000578	0.00197	0.003970327	0.003970327
218	2.42E-02	0.000809	0.000392	3.35E-07	0.005104	0.003126	0.004259	0.000585	0.001959	0.004005487	0.004005487
219	2.21E-02	0.000679	0.00033	3.16E-07	0.004679	0.002866	0.003842	0.000528	0.001784	0.003672449	0.003672449
220	1.85E-02	0.000553	0.000268	2.9E-07	0.003951	0.00242	0.003152	0.000433	0.001504	0.003100772	0.003100772

Franklin School Project

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547	Receptor
0.49	Max

Receptor #	Max	Mod BC	Mod AC	Port	Demo	Grad	BC	AC	Paving	Demo-Port. 2	Demo-Port. 1,3,4
221	1.47E-02	0.000439	0.000213	2.57E-07	0.003167	0.001939	0.002449	0.000337	0.001207	0.002484958	0.002484958
222	1.07E-02	0.000325	0.000157	2.12E-07	0.002307	0.001412	0.001725	0.000237	0.000882	0.001810101	0.001810101
223	8.49E-03	0.000263	0.000128	1.84E-07	0.001841	0.001127	0.001349	0.000185	0.000706	0.001444559	0.001444559
224	7.42E-03	0.000234	0.000113	1.68E-07	0.00161	0.000986	0.001167	0.00016	0.000619	0.001263126	0.001263126
225	3.24E-03	0.000158	7.66E-05	1.11E-07	0.000687	0.000421	0.00047	6.46E-05	0.000281	0.000538975	0.000538975
226	3.86E-03	0.000191	9.28E-05	1.28E-07	0.000817	0.0005	0.000564	7.75E-05	0.000334	0.000640867	0.000640867
227	4.67E-03	0.000236	0.000114	1.48E-07	0.000986	0.000603	0.000687	9.44E-05	0.000404	0.000773368	0.000773368
228	5.78E-03	0.000296	0.000144	1.72E-07	0.001215	0.000744	0.000856	0.000118	0.000499	0.000952922	0.000952922
229	7.29E-03	0.000375	0.000182	1.99E-07	0.00153	0.000936	0.001094	0.00015	0.000628	0.001199886	0.001199886
230	9.37E-03	0.000469	0.000227	2.26E-07	0.001962	0.001201	0.001437	0.000197	0.000799	0.00153882	0.00153882
231	1.19E-02	0.000561	0.000272	2.49E-07	0.002487	0.001522	0.001881	0.000259	0.001002	0.001950841	0.001950841
232	1.44E-02	0.000626	0.000304	2.65E-07	0.003024	0.001851	0.002363	0.000325	0.001202	0.002372673	0.002372673
233	1.63E-02	0.000638	0.00031	2.72E-07	0.003418	0.002093	0.002732	0.000376	0.00134	0.002682372	0.002682372
234	1.67E-02	0.000598	0.00029	2.69E-07	0.003535	0.002165	0.002847	0.000391	0.00137	0.002773893	0.002773893
235	1.59E-02	0.000531	0.000257	2.58E-07	0.00338	0.00207	0.002704	0.000372	0.001302	0.002652766	0.002652766
236	1.41E-02	0.000452	0.000219	2.41E-07	0.003012	0.001844	0.002365	0.000325	0.001156	0.00236343	0.00236343
237	1.19E-02	0.000376	0.000182	2.2E-07	0.002561	0.001568	0.001966	0.00027	0.000982	0.002009344	0.002009344
238	9.81E-03	0.000309	0.00015	1.96E-07	0.002117	0.001296	0.001589	0.000218	0.000813	0.001660955	0.001660955
239	7.43E-03	0.000237	0.000115	1.63E-07	0.001609	0.000985	0.001178	0.000162	0.000619	0.001262228	0.001262228
240	6.16E-03	0.000199	9.63E-05	1.44E-07	0.001337	0.000818	0.000964	0.000133	0.000515	0.001048847	0.001048847
241	2.87E-03	0.000138	6.69E-05	9.75E-08	0.00061	0.000373	0.000422	5.8E-05	0.00025	0.000478146	0.000478146
242	3.39E-03	0.000165	7.98E-05	1.11E-07	0.00072	0.000441	0.000498	6.84E-05	0.000293	0.00056462	0.00056462
243	4.03E-03	0.000198	9.62E-05	1.28E-07	0.000853	0.000522	0.000595	8.17E-05	0.000348	0.000669309	0.000669309
244	4.85E-03	0.000241	0.000117	1.46E-07	0.001023	0.000626	0.000719	9.88E-05	0.000418	0.0008021	0.0008021
245	5.97E-03	0.000295	0.000143	1.66E-07	0.001258	0.00077	0.000896	0.000123	0.000513	0.000986336	0.000986336
246	7.33E-03	0.000355	0.000172	1.85E-07	0.001542	0.000944	0.001119	0.000154	0.000626	0.001209433	0.001209433
247	8.96E-03	0.000411	0.0002	2.02E-07	0.001885	0.001154	0.001404	0.000193	0.000758	0.001478753	0.001478753
248	1.05E-02	0.000452	0.000219	2.14E-07	0.002216	0.001357	0.001692	0.000233	0.000881	0.001738936	0.001738936
249	1.17E-02	0.000466	0.000226	2.19E-07	0.002462	0.001508	0.001914	0.000263	0.000969	0.001932015	0.001932015
250	1.21E-02	0.000451	0.000219	2.19E-07	0.002565	0.00157	0.002009	0.000276	0.001001	0.002012467	0.002012467
251	1.18E-02	0.000415	0.000201	2.12E-07	0.002511	0.001538	0.001963	0.00027	0.000974	0.001970458	0.001970458
252	1.09E-02	0.000369	0.000179	2.02E-07	0.002329	0.001426	0.0018	0.000247	0.0009	0.00182717	0.00182717
253	9.67E-03	0.000319	0.000155	1.88E-07	0.002073	0.001269	0.001579	0.000217	0.0008	0.001626668	0.001626668
254	8.33E-03	0.000273	0.000132	1.72E-07	0.001794	0.001098	0.001342	0.000184	0.000692	0.001407453	0.001407453
255	6.94E-03	0.000227	0.00011	1.53E-07	0.0015	0.000918	0.001102	0.000151	0.000579	0.001176718	0.001176718
256	5.48E-03	0.00018	8.75E-05	1.3E-07	0.001187	0.000727	0.000856	0.000118	0.000459	0.000931303	0.000931303
257	2.60E-03	0.000122	5.93E-05	8.72E-08	0.000553	0.000338	0.00038	5.22E-05	0.000224	0.000433335	0.000433335
258	2.99E-03	0.000142	6.91E-05	9.8E-08	0.000636	0.000389	0.00044	6.04E-05	0.000259	0.000498865	0.000498865
259	3.50E-03	0.000169	8.18E-05	1.11E-07	0.000743	0.000455	0.000517	7.1E-05	0.000302	0.000582832	0.000582832
260	4.16E-03	0.000201	9.74E-05	1.25E-07	0.00088	0.000538	0.000617	8.48E-05	0.000358	0.000689922	0.000689922
261	4.97E-03	0.000238	0.000116	1.4E-07	0.00105	0.000643	0.000745	0.000102	0.000427	0.000823482	0.000823482
262	5.93E-03	0.000278	0.000135	1.55E-07	0.001253	0.000767	0.000904	0.000124	0.000507	0.000982926	0.000982926
263	7.02E-03	0.000315	0.000153	1.67E-07	0.001482	0.000907	0.00109	0.00015	0.000595	0.001162417	0.001162417
264	8.04E-03	0.000342	0.000166	1.76E-07	0.001698	0.00104	0.001274	0.000175	0.000676	0.001332326	0.001332326

Franklin School Project

Unmitigated Residential - Residential Construction Health Impact Assessment

547	Receptor
0.49	Max

Receptor #	Max	Mod BC	Mod AC	Port	Demo	Grad	BC	AC	Paving	Demo-Port. 2	Demo-Port. 1,3,4
265	8.79E-03	0.000354	0.000171	1.81E-07	0.00186	0.001139	0.001415	0.000194	0.000734	0.001459249	0.001459249
266	9.14E-03	0.000349	0.000169	1.81E-07	0.00194	0.001188	0.001487	0.000204	0.00076	0.001522263	0.001522263
267	9.06E-03	0.00033	0.00016	1.77E-07	0.001929	0.001181	0.001479	0.000203	0.000752	0.001513522	0.001513522
268	8.60E-03	0.000302	0.000147	1.7E-07	0.001837	0.001125	0.0014	0.000192	0.000713	0.001441284	0.001441284
269	7.87E-03	0.00027	0.000131	1.61E-07	0.001687	0.001033	0.001272	0.000175	0.000654	0.001323625	0.001323625
270	7.01E-03	0.000238	0.000115	1.5E-07	0.001509	0.000924	0.001123	0.000154	0.000584	0.001183581	0.001183581
271	6.09E-03	0.000204	9.91E-05	1.37E-07	0.001313	0.000804	0.000964	0.000132	0.000508	0.001030198	0.001030198
272	4.94E-03	0.000166	8.06E-05	1.18E-07	0.001069	0.000655	0.000772	0.000106	0.000414	0.000839012	0.000839012
273	1.43E-02	0.000922	0.000444	5.26E-06	0.003137	0.001889	0.001506	0.000204	0.001344	0.002426051	0.002426051
274	1.51E-02	0.000979	0.00047	6.76E-06	0.003333	0.002	0.001576	0.000213	0.001422	0.002569513	0.002569513
275	1.61E-02	0.00104	0.000498	8.87E-06	0.003556	0.002123	0.001653	0.000222	0.001509	0.002729508	0.002729508
276	1.71E-02	0.0011	0.000526	1.18E-05	0.003804	0.002257	0.001737	0.000232	0.001603	0.002903319	0.002903319
277	1.82E-02	0.00116	0.000557	1.56E-05	0.004098	0.002413	0.001834	0.000243	0.001714	0.003107277	0.003107277
278	1.94E-02	0.001223	0.000586	1.98E-05	0.0044	0.002571	0.001931	0.000254	0.001826	0.003314235	0.003314235
279	2.05E-02	0.001284	0.000615	2.31E-05	0.004673	0.002718	0.002018	0.000264	0.001927	0.003505313	0.003505313
280	2.16E-02	0.001349	0.000644	2.5E-05	0.004937	0.002867	0.002098	0.000274	0.00203	0.003699154	0.003699154
281	2.28E-02	0.001415	0.000676	2.57E-05	0.005207	0.003028	0.002177	0.000285	0.002142	0.003906119	0.003906119
282	2.40E-02	0.00148	0.000709	2.48E-05	0.005498	0.003212	0.002259	0.000296	0.00227	0.00414026	0.00414026
283	2.54E-02	0.001545	0.000742	2.22E-05	0.005808	0.003418	0.002345	0.00031	0.002409	0.004402525	0.004402525
284	2.65E-02	0.001609	0.000774	1.89E-05	0.006041	0.003583	0.002406	0.00032	0.002524	0.004609561	0.004609561
285	2.77E-02	0.001668	0.000804	1.55E-05	0.006313	0.00377	0.002477	0.000332	0.002653	0.004846689	0.004846689
286	2.91E-02	0.001719	0.00083	1.27E-05	0.00662	0.003976	0.002557	0.000344	0.002789	0.005107809	0.005107809
287	3.06E-02	0.001757	0.000849	1.05E-05	0.00699	0.004217	0.002657	0.000359	0.002939	0.005414198	0.005414198
288	3.18E-02	0.001783	0.000862	8.77E-06	0.007283	0.004407	0.002732	0.000371	0.003066	0.005656402	0.005656402
289	3.34E-02	0.001794	0.000868	7.39E-06	0.007677	0.004658	0.002847	0.000387	0.003215	0.005975763	0.005975763
290	3.51E-02	0.00179	0.000866	6.27E-06	0.008092	0.004919	0.002996	0.000408	0.003365	0.006309953	0.006309953
291	3.63E-02	0.001773	0.000858	5.37E-06	0.008416	0.005123	0.003125	0.000427	0.003481	0.006570563	0.006570563
292	3.72E-02	0.001747	0.000846	4.64E-06	0.00863	0.005259	0.00322	0.00044	0.003553	0.00674411	0.00674411
293	3.77E-02	0.001711	0.000829	4.04E-06	0.008773	0.005351	0.003312	0.000453	0.003595	0.006860572	0.006860572
294	3.80E-02	0.001667	0.000808	3.53E-06	0.008846	0.005399	0.003399	0.000465	0.003608	0.006921276	0.006921276
295	3.82E-02	0.001624	0.000787	3.12E-06	0.00889	0.005428	0.003491	0.000478	0.003611	0.006958923	0.006958923
296	3.82E-02	0.001576	0.000764	2.78E-06	0.008879	0.005424	0.003576	0.00049	0.003591	0.006952776	0.006952776
297	3.80E-02	0.001525	0.000739	2.48E-06	0.008813	0.005385	0.003649	0.0005	0.003551	0.00690313	0.00690313
298	3.76E-02	0.001473	0.000714	2.23E-06	0.00871	0.005324	0.003713	0.000509	0.003496	0.006823936	0.006823936
299	1.54E-02	0.001024	0.000493	5.99E-06	0.003367	0.002026	0.001604	0.000217	0.00145	0.002601781	0.002601781
300	1.64E-02	0.001094	0.000526	8.01E-06	0.003594	0.002152	0.001683	0.000227	0.001539	0.002765481	0.002765481
301	1.74E-02	0.001168	0.00056	1.11E-05	0.003858	0.002294	0.001772	0.000237	0.00164	0.002950387	0.002950387
302	1.87E-02	0.001243	0.000595	1.58E-05	0.004162	0.002451	0.001874	0.000249	0.001752	0.003155924	0.003155924
303	1.98E-02	0.001315	0.000634	5.65E-06	0.004365	0.002639	0.001926	0.000262	0.001888	0.003387353	0.003387353
304	2.12E-02	0.001393	0.000671	8.04E-06	0.004698	0.002828	0.002027	0.000274	0.002023	0.003632025	0.003632025
305	2.25E-02	0.001468	0.000707	1.17E-05	0.00502	0.003002	0.002124	0.000285	0.002143	0.003858861	0.003858861
306	2.39E-02	0.001551	0.000744	1.7E-05	0.005376	0.003187	0.002231	0.000297	0.00227	0.004100534	0.004100534
307	2.53E-02	0.001634	0.000784	1.74E-05	0.005713	0.003391	0.002324	0.00031	0.002413	0.004362319	0.004362319
308	2.68E-02	0.001714	0.000825	1.28E-05	0.006041	0.00362	0.002405	0.000323	0.002573	0.004652044	0.004652044

Franklin School Project

Unmitigated Residential - Residential Construction Health Impact Assessment

547	Receptor
0.49	Max

Receptor #	Max	Mod BC	Mod AC	Port	Demo	Grad	BC	AC	Paving	Demo-Port. 2	Demo-Port. 1,3,4
309	2.85E-02	0.001795	0.000866	9.71E-06	0.006421	0.003874	0.002503	0.000339	0.002744	0.004973445	0.004973445
310	3.02E-02	0.001881	0.000905	2.51E-05	0.006905	0.004072	0.002652	0.00035	0.002885	0.005243524	0.005243524
311	3.16E-02	0.001947	0.000939	1.9E-05	0.007214	0.004301	0.002723	0.000364	0.003042	0.005530024	0.005530024
312	3.32E-02	0.001999	0.000965	1.47E-05	0.007591	0.004559	0.002813	0.000378	0.003211	0.005856052	0.005856052
313	3.53E-02	0.002033	0.000983	1.16E-05	0.008086	0.004882	0.002939	0.000397	0.003407	0.006267237	0.006267237
314	3.68E-02	0.00205	0.000992	9.43E-06	0.008465	0.005128	0.003031	0.000411	0.003565	0.006580213	0.006580213
315	3.86E-02	0.002049	0.000991	7.77E-06	0.00892	0.005417	0.003158	0.00043	0.003735	0.006949016	0.006949016
316	4.04E-02	0.00203	0.000983	6.5E-06	0.009386	0.005711	0.003321	0.000453	0.003901	0.007324034	0.007324034
317	4.19E-02	0.001995	0.000966	5.49E-06	0.009752	0.005942	0.003478	0.000475	0.004026	0.007619233	0.007619233
318	4.27E-02	0.00195	0.000944	4.7E-06	0.009967	0.006079	0.003589	0.000491	0.004091	0.007793641	0.007793641
319	4.31E-02	0.001895	0.000918	4.05E-06	0.010078	0.00615	0.003695	0.000506	0.004115	0.007884915	0.007884915
320	4.33E-02	0.001835	0.000889	3.52E-06	0.010107	0.006171	0.003796	0.00052	0.004107	0.007911405	0.007911405
321	4.32E-02	0.001776	0.000861	3.1E-06	0.010096	0.006167	0.003899	0.000534	0.004084	0.007905783	0.007905783
322	4.29E-02	0.001713	0.00083	2.75E-06	0.010011	0.006118	0.003989	0.000547	0.004033	0.007842139	0.007842139
323	4.24E-02	0.001647	0.000798	2.45E-06	0.00987	0.006033	0.004066	0.000558	0.00396	0.007733114	0.007733114
324	4.17E-02	0.001582	0.000767	2.19E-06	0.00969	0.005924	0.004129	0.000567	0.003873	0.007593686	0.007593686
325	1.66E-02	0.001142	0.000551	6.62E-06	0.003618	0.002175	0.00171	0.000231	0.001568	0.002794012	0.002794012
326	1.77E-02	0.00123	0.000592	9.19E-06	0.003886	0.002323	0.001801	0.000242	0.001674	0.002985943	0.002985943
327	1.90E-02	0.001325	0.000636	1.34E-05	0.004203	0.002491	0.001908	0.000255	0.001796	0.003205247	0.003205247
328	2.05E-02	0.001416	0.000681	2.08E-05	0.004582	0.002676	0.002032	0.000267	0.001929	0.003449988	0.003449988
329	2.18E-02	0.00151	0.00073	6.61E-06	0.004792	0.002895	0.002078	0.000282	0.002088	0.003715908	0.003715908
330	2.35E-02	0.001609	0.000777	1E-05	0.0052	0.003123	0.002198	0.000297	0.002252	0.004012248	0.004012248
331	2.51E-02	0.001707	0.000823	1.6E-05	0.005606	0.003334	0.002317	0.000309	0.002398	0.004288176	0.004288176
332	2.65E-02	0.001802	0.000871	1.83E-06	0.005845	0.00357	0.002359	0.000323	0.002563	0.004576758	0.004576758
333	2.83E-02	0.001912	0.000922	1.56E-06	0.006264	0.003829	0.002466	0.000338	0.002744	0.004907741	0.004907741
334	3.05E-02	0.002021	0.000974	1.59E-05	0.006883	0.004117	0.002643	0.000354	0.002945	0.005291311	0.005291311
335	3.26E-02	0.002122	0.001025	1.11E-05	0.007354	0.004437	0.002752	0.000372	0.003161	0.005696138	0.005696138
336	3.43E-02	0.002215	0.001071	8.25E-06	0.007745	0.004694	0.002842	0.000386	0.003341	0.006023025	0.006023025
337	3.66E-02	0.002296	0.001108	2.26E-05	0.008374	0.004989	0.003018	0.000402	0.003542	0.006415565	0.006415565
338	3.86E-02	0.002345	0.001133	1.63E-05	0.008835	0.005311	0.003116	0.000419	0.003752	0.006821781	0.006821781
339	4.11E-02	0.002367	0.001145	1.24E-05	0.009467	0.005723	0.003266	0.000442	0.003998	0.007345614	0.007345614
340	4.31E-02	0.002368	0.001146	9.81E-06	0.009968	0.006046	0.003383	0.00046	0.004197	0.0077577	0.0077577
341	4.51E-02	0.002346	0.001136	7.96E-06	0.0105	0.006384	0.003526	0.00048	0.004392	0.008188453	0.008188453
342	4.72E-02	0.002303	0.001115	6.56E-06	0.011033	0.00672	0.003719	0.000508	0.004574	0.008617459	0.008617459
343	4.87E-02	0.002244	0.001087	5.5E-06	0.011412	0.006959	0.003896	0.000533	0.004695	0.008922705	0.008922705
344	4.94E-02	0.002174	0.001053	4.67E-06	0.011593	0.007075	0.004024	0.000551	0.004739	0.009070402	0.009070402
345	4.95E-02	0.002096	0.001016	4E-06	0.011639	0.007107	0.004145	0.000568	0.004731	0.009111038	0.009111038
346	4.94E-02	0.002017	0.000977	3.47E-06	0.011595	0.007084	0.004262	0.000584	0.00469	0.009080795	0.009080795
347	4.90E-02	0.001938	0.000939	3.04E-06	0.011488	0.007021	0.004375	0.0006	0.004625	0.008999348	0.008999348
348	4.83E-02	0.001856	0.0009	2.69E-06	0.011302	0.00691	0.004471	0.000613	0.004531	0.008856504	0.008856504
349	4.74E-02	0.001774	0.00086	2.39E-06	0.01106	0.006763	0.00455	0.000624	0.004417	0.008668385	0.008668385
350	4.63E-02	0.001695	0.000821	2.14E-06	0.01078	0.006593	0.00461	0.000633	0.004289	0.008450411	0.008450411
351	1.79E-02	0.001279	0.000617	7E-06	0.003879	0.002333	0.001821	0.000246	0.001694	0.002996132	0.002996132
352	1.93E-02	0.001392	0.000671	9.97E-06	0.004205	0.002513	0.001931	0.00026	0.001828	0.003230715	0.003230715

Franklin School Project

Unmitigated Residential - Residential Construction Health Impact Assessment

547	Receptor
0.49	Max

Receptor #	Max	Mod BC	Mod AC	Port	Demo	Grad	BC	AC	Paving	Demo-Port. 2	Demo-Port. 1,3,4
353	2.09E-02	0.001515	0.000728	1.52E-05	0.004586	0.002714	0.002056	0.000274	0.001976	0.00349336	0.00349336
354	2.23E-02	0.001632	0.000787	5.46E-06	0.004847	0.002936	0.002124	0.000289	0.002138	0.003767347	0.003767347
355	2.41E-02	0.001755	0.000849	7.27E-06	0.005275	0.003187	0.002248	0.000305	0.002321	0.004090485	0.004090485
356	2.62E-02	0.001885	0.000911	1.15E-05	0.005769	0.003463	0.002387	0.000322	0.002521	0.004448773	0.004448773
357	2.79E-02	0.002009	0.000973	1.02E-06	0.006113	0.00374	0.002459	0.000338	0.002717	0.00479352	0.00479352
358	3.01E-02	0.002145	0.001036	2.62E-06	0.006634	0.004049	0.00259	0.000355	0.002935	0.005190693	0.005190693
359	3.24E-02	0.002282	0.001102	2.01E-06	0.007171	0.004382	0.002715	0.000372	0.003167	0.005616578	0.005616578
360	3.52E-02	0.002422	0.001169	1.82E-05	0.007924	0.004741	0.002917	0.000391	0.003417	0.006093422	0.006093422
361	3.77E-02	0.002548	0.001231	1.18E-05	0.008492	0.005129	0.003034	0.00041	0.003679	0.006584194	0.006584194
362	4.01E-02	0.002655	0.001285	8.5E-06	0.009045	0.005489	0.00315	0.000428	0.003926	0.007041975	0.007041975
363	4.29E-02	0.002738	0.001322	2.5E-05	0.009853	0.00588	0.003359	0.000447	0.004187	0.007559728	0.007559728
364	4.55E-02	0.002774	0.001341	1.71E-05	0.010471	0.006309	0.003478	0.000468	0.004461	0.008100831	0.008100831
365	4.85E-02	0.002773	0.001342	1.26E-05	0.011217	0.006794	0.003638	0.000493	0.004751	0.008718234	0.008718234
366	5.11E-02	0.002744	0.001329	9.84E-06	0.011905	0.007233	0.003794	0.000516	0.005009	0.009278704	0.009278704
367	5.35E-02	0.002689	0.001303	7.89E-06	0.012555	0.007644	0.003968	0.000541	0.005235	0.009802853	0.009802853
368	5.58E-02	0.002612	0.001265	6.46E-06	0.013141	0.008012	0.004199	0.000574	0.005425	0.010273463	0.010273463
369	5.71E-02	0.002521	0.001221	5.39E-06	0.013486	0.008231	0.004391	0.000601	0.005521	0.010552024	0.010552024
370	5.75E-02	0.002421	0.001173	4.55E-06	0.013589	0.008299	0.004541	0.000622	0.005525	0.010638718	0.010638718
371	5.72E-02	0.002315	0.001122	3.9E-06	0.013518	0.00826	0.004681	0.000641	0.005465	0.010587921	0.010587921
372	5.66E-02	0.00221	0.001071	3.38E-06	0.01335	0.00816	0.004815	0.00066	0.00537	0.010459452	0.010459452
373	5.56E-02	0.002107	0.001021	2.95E-06	0.013091	0.008004	0.004935	0.000677	0.005242	0.01025897	0.01025897
374	5.44E-02	0.002004	0.000971	2.6E-06	0.012762	0.007804	0.005035	0.000691	0.005089	0.010002964	0.010002964
375	5.29E-02	0.001904	0.000923	2.31E-06	0.012385	0.007575	0.005111	0.000702	0.00492	0.009708892	0.009708892
376	5.14E-02	0.001808	0.000877	2.07E-06	0.011974	0.007325	0.005163	0.000709	0.00474	0.009388519	0.009388519
377	1.92E-02	0.001437	0.000694	7.01E-06	0.004146	0.002497	0.001938	0.000262	0.001828	0.003206179	0.003206179
378	2.09E-02	0.001582	0.000763	1E-05	0.004529	0.002712	0.002065	0.000278	0.00199	0.003485136	0.003485136
379	2.28E-02	0.001741	0.000838	1.53E-05	0.004973	0.00295	0.002207	0.000295	0.00217	0.003796078	0.003796078
380	2.46E-02	0.001898	0.000918	4.92E-06	0.005299	0.003216	0.00229	0.000312	0.002368	0.00412631	0.00412631
381	2.68E-02	0.002071	0.001001	7.33E-06	0.005823	0.003522	0.002437	0.000331	0.002596	0.004520788	0.004520788
382	6.45E-02	0.003083	0.001494	7.56E-06	0.015277	0.009314	0.004503	0.000615	0.006334	0.011942896	0.011942896
383	6.66E-02	0.00296	0.001435	6.19E-06	0.015842	0.009669	0.00476	0.000651	0.006499	0.012396366	0.012396366
384	6.75E-02	0.002826	0.00137	5.16E-06	0.016093	0.00983	0.004984	0.000682	0.006544	0.01260104	0.01260104
385	6.73E-02	0.002687	0.001302	4.36E-06	0.016029	0.009796	0.00516	0.000707	0.006473	0.012556352	0.012556352
386	6.63E-02	0.002548	0.001235	3.74E-06	0.015769	0.00964	0.005323	0.00073	0.006333	0.012356576	0.012356576
387	6.49E-02	0.002412	0.001169	3.24E-06	0.015383	0.009407	0.005471	0.00075	0.006148	0.012056768	0.012056768
388	6.31E-02	0.00228	0.001105	2.83E-06	0.014912	0.009121	0.005596	0.000768	0.005934	0.011689801	0.011689801
389	6.11E-02	0.002154	0.001044	2.5E-06	0.01439	0.008803	0.005695	0.000782	0.005704	0.011282534	0.011282534
390	5.90E-02	0.002034	0.000986	2.22E-06	0.013837	0.008466	0.005763	0.000791	0.005465	0.010849902	0.010849902
391	5.68E-02	0.001919	0.000931	1.99E-06	0.013262	0.008115	0.005797	0.000796	0.005221	0.010400096	0.010400096
392	2.08E-02	0.001622	0.000784	6.7E-06	0.004445	0.002682	0.002069	0.000281	0.001982	0.003443039	0.003443039
393	2.27E-02	0.001807	0.000873	9.39E-06	0.004866	0.002922	0.002206	0.000298	0.002166	0.003754008	0.003754008
394	2.48E-02	0.002015	0.000972	1.39E-05	0.005364	0.003199	0.002362	0.000317	0.002378	0.004113438	0.004113438
395	2.70E-02	0.002236	0.00108	4.72E-06	0.00578	0.003512	0.002469	0.000337	0.002617	0.004505168	0.004505168
396	2.99E-02	0.002473	0.001197	6.78E-06	0.006414	0.003888	0.00264	0.000359	0.002903	0.004988249	0.004988249

Franklin School Project

Unmitigated Residential - Residential Construction Health Impact Assessment

547	Receptor
0.49	Max

Receptor #	Max	Mod BC	Mod AC	Port	Demo	Grad	BC	AC	Paving	Demo-Port. 2	Demo-Port. 1,3,4
397	7.89E-02	0.003529	0.00171	7.03E-06	0.018907	0.011542	0.005136	0.000702	0.007774	0.014797105	0.014797105
398	8.06E-02	0.003345	0.001621	5.79E-06	0.019371	0.011834	0.005439	0.000745	0.007876	0.015170308	0.015170308
399	8.06E-02	0.003155	0.00153	4.85E-06	0.019379	0.011845	0.005702	0.000781	0.007811	0.01518356	0.01518356
400	7.91E-02	0.002968	0.001439	4.11E-06	0.019	0.011618	0.005907	0.00081	0.007609	0.014890934	0.014890934
401	7.69E-02	0.002788	0.001351	3.53E-06	0.018407	0.011258	0.006092	0.000836	0.007335	0.014429642	0.014429642
402	7.44E-02	0.002617	0.001269	3.07E-06	0.017714	0.010837	0.006252	0.000858	0.007029	0.013888974	0.013888974
403	7.15E-02	0.002453	0.001189	2.69E-06	0.016949	0.01037	0.006377	0.000875	0.006699	0.013290543	0.013290543
404	6.86E-02	0.0023	0.001115	2.37E-06	0.016167	0.009893	0.006465	0.000888	0.006368	0.012678912	0.012678912
405	6.56E-02	0.002158	0.001047	2.11E-06	0.015395	0.009421	0.006515	0.000895	0.006044	0.012074371	0.012074371
406	6.27E-02	0.002025	0.000982	1.89E-06	0.014621	0.008948	0.006521	0.000896	0.005723	0.011468206	0.011468206
407	2.23E-02	0.001829	0.000885	6.08E-06	0.004722	0.002855	0.002198	0.000299	0.002128	0.003664399	0.003664399
408	2.43E-02	0.002057	0.000995	8.14E-06	0.00517	0.003117	0.002343	0.000318	0.002331	0.004002287	0.004002287
409	2.69E-02	0.00233	0.001127	1.14E-05	0.005722	0.003435	0.002513	0.000339	0.002578	0.004412428	0.004412428
410	2.98E-02	0.002642	0.001276	1.65E-05	0.00637	0.003799	0.002701	0.000362	0.002862	0.004885039	0.004885039
411	3.29E-02	0.002991	0.001447	5.65E-06	0.00697	0.004235	0.002841	0.000387	0.003202	0.005432831	0.005432831
412	9.83E-02	0.004026	0.001952	6.36E-06	0.023881	0.014595	0.005895	0.000807	0.009701	0.018708299	0.018708299
413	9.86E-02	0.003763	0.001825	5.31E-06	0.023986	0.014666	0.006245	0.000856	0.009639	0.018797789	0.018797789
414	9.68E-02	0.003507	0.0017	4.48E-06	0.023508	0.014378	0.006577	0.000902	0.009375	0.018428394	0.018428394
415	9.34E-02	0.003263	0.001582	3.83E-06	0.022589	0.013819	0.006821	0.000936	0.008962	0.017711631	0.017711631
416	8.93E-02	0.003034	0.001471	3.3E-06	0.021493	0.013151	0.007026	0.000964	0.008493	0.016854466	0.016854466
417	8.52E-02	0.002825	0.00137	2.88E-06	0.020376	0.012469	0.007198	0.000988	0.008023	0.015980084	0.015980084
418	8.09E-02	0.002627	0.001274	2.53E-06	0.019225	0.011766	0.007314	0.001004	0.007545	0.015079286	0.015079286
419	7.66E-02	0.00244	0.001183	2.24E-06	0.018077	0.011064	0.007366	0.001012	0.007072	0.014179746	0.014179746
420	7.26E-02	0.002276	0.001104	2E-06	0.017041	0.010431	0.007385	0.001014	0.006647	0.01336782	0.01336782
421	6.88E-02	0.002124	0.00103	1.8E-06	0.016045	0.009821	0.007349	0.00101	0.006241	0.012586672	0.012586672
422	2.39E-02	0.002064	0.000999	5.36E-06	0.005016	0.00304	0.002339	0.000319	0.002288	0.003900832	0.003900832
423	2.64E-02	0.002361	0.001143	6.89E-06	0.005532	0.003347	0.002506	0.000341	0.002532	0.004295097	0.004295097
424	2.93E-02	0.002723	0.001318	9.09E-06	0.00615	0.003712	0.002694	0.000365	0.002824	0.004764997	0.004764997
425	3.28E-02	0.003154	0.001526	1.21E-05	0.006873	0.004135	0.002898	0.000392	0.003162	0.005311218	0.005311218
426	3.70E-02	0.003688	0.001784	1.61E-05	0.007769	0.00466	0.003133	0.000422	0.003584	0.00598689	0.00598689
427	1.25E-01	0.004553	0.002208	5.64E-06	0.030976	0.018947	0.006932	0.00095	0.012354	0.024284352	0.024284352
428	1.22E-01	0.004202	0.002037	4.78E-06	0.030086	0.018407	0.007285	0.000999	0.011908	0.023591912	0.023591912
429	1.17E-01	0.003867	0.001875	4.09E-06	0.028605	0.017504	0.007664	0.001052	0.011269	0.02243389	0.02243389
430	1.10E-01	0.00356	0.001726	3.52E-06	0.026814	0.01641	0.007943	0.00109	0.01053	0.021031488	0.021031488
431	1.04E-01	0.003282	0.001592	3.07E-06	0.025023	0.015316	0.008171	0.001122	0.0098	0.019628315	0.019628315
432	9.72E-02	0.003027	0.001468	2.69E-06	0.023305	0.014265	0.008337	0.001145	0.009103	0.01828173	0.01828173
433	9.12E-02	0.002795	0.001356	2.38E-06	0.021698	0.013282	0.008434	0.001158	0.008452	0.017022029	0.017022029
434	8.53E-02	0.002576	0.001249	2.11E-06	0.020137	0.012327	0.008438	0.001159	0.007822	0.015798436	0.015798436
435	8.01E-02	0.002385	0.001157	1.88E-06	0.018765	0.011488	0.008394	0.001153	0.00727	0.014722615	0.014722615
436	7.52E-02	0.002214	0.001074	1.7E-06	0.017515	0.010723	0.008296	0.00114	0.00677	0.013741975	0.013741975
437	2.56E-02	0.00232	0.001124	4.62E-06	0.005314	0.003228	0.002489	0.00034	0.002454	0.004140384	0.004140384
438	2.85E-02	0.002702	0.001309	5.73E-06	0.0059	0.003579	0.00268	0.000365	0.002741	0.004592248	0.004592248
439	3.20E-02	0.003188	0.001544	7.67E-06	0.006606	0.004	0.002895	0.000394	0.003088	0.005132879	0.005132879
440	3.60E-02	0.003773	0.001828	8.98E-06	0.007411	0.004485	0.00312	0.000424	0.003487	0.005755876	0.005755876

Franklin School Project

Unmitigated Residential - Residential Construction Health Impact Assessment

547	Receptor
0.49	Max

Receptor #	Max	Mod BC	Mod AC	Port	Demo	Grad	BC	AC	Paving	Demo-Port. 2	Demo-Port. 1,3,4
441	4.15E-02	0.004614	0.002236	1.12E-05	0.00847	0.00512	0.003391	0.00046	0.004019	0.006571396	0.006571396
442	1.63E-01	0.005099	0.002473	4.95E-06	0.04085	0.025003	0.008232	0.001129	0.01592	0.032043479	0.032043479
443	1.52E-01	0.004648	0.002254	4.27E-06	0.037923	0.023213	0.008609	0.001181	0.014757	0.029749849	0.029749849
444	1.40E-01	0.004226	0.00205	3.7E-06	0.034696	0.02124	0.009025	0.001239	0.013498	0.027219855	0.027219855
445	1.29E-01	0.003852	0.001868	3.22E-06	0.03164	0.01937	0.009339	0.001282	0.012296	0.024823285	0.024823285
446	1.19E-01	0.003518	0.001706	2.83E-06	0.028899	0.017693	0.009574	0.001315	0.011216	0.02267387	0.02267387
447	1.10E-01	0.003218	0.001561	2.49E-06	0.026461	0.0162	0.009719	0.001335	0.01025	0.020761191	0.020761191
448	1.02E-01	0.002953	0.001432	2.22E-06	0.02433	0.014896	0.009778	0.001343	0.009404	0.019089873	0.019089873
449	9.48E-02	0.002707	0.001313	1.98E-06	0.022351	0.013685	0.00972	0.001335	0.008619	0.01753765	0.01753765
450	8.79E-02	0.002486	0.001206	1.77E-06	0.020566	0.012592	0.009573	0.001315	0.007913	0.016137132	0.016137132
451	8.18E-02	0.002293	0.001112	1.6E-06	0.019002	0.011635	0.009371	0.001288	0.007296	0.014910411	0.014910411
452	2.73E-02	0.002589	0.001255	3.94E-06	0.00561	0.003413	0.002648	0.000362	0.002621	0.004377014	0.004377014
453	3.06E-02	0.003072	0.001489	4.9E-06	0.006272	0.003812	0.002868	0.000392	0.002957	0.004890041	0.004890041
454	3.49E-02	0.003731	0.001808	6.56E-06	0.007088	0.004302	0.003119	0.000425	0.003376	0.005519458	0.005519458
455	3.99E-02	0.004568	0.002214	6.94E-06	0.008019	0.004871	0.003381	0.000461	0.003863	0.006247965	0.006247965
456	4.67E-02	0.005835	0.002829	8.27E-06	0.009248	0.005615	0.003694	0.000503	0.004517	0.007203453	0.007203453
457	2.11E-01	0.005639	0.002735	4.33E-06	0.053796	0.03294	0.009815	0.001347	0.020491	0.042213858	0.042213858
458	1.88E-01	0.005076	0.002462	3.8E-06	0.047279	0.02895	0.010311	0.001416	0.018112	0.037100572	0.037100572
459	1.67E-01	0.00457	0.002216	3.33E-06	0.041548	0.025441	0.010745	0.001476	0.015969	0.032603515	0.032603515
460	1.50E-01	0.004126	0.002001	2.93E-06	0.036863	0.022572	0.011083	0.001522	0.014186	0.028926969	0.028926969
461	1.36E-01	0.003736	0.001812	2.6E-06	0.032994	0.020204	0.011305	0.001553	0.012693	0.025891359	0.025891359
462	1.24E-01	0.003394	0.001646	2.31E-06	0.029783	0.018238	0.011407	0.001567	0.011442	0.023371905	0.023371905
463	1.14E-01	0.003094	0.001501	2.07E-06	0.027048	0.016563	0.011385	0.001564	0.010373	0.021225765	0.021225765
464	1.05E-01	0.002824	0.00137	1.86E-06	0.024633	0.015084	0.011233	0.001544	0.009428	0.019330372	0.019330372
465	9.62E-02	0.002577	0.00125	1.67E-06	0.022422	0.01373	0.010945	0.001504	0.008565	0.017595427	0.017595427
466	8.86E-02	0.002362	0.001146	1.51E-06	0.020506	0.012557	0.010594	0.001456	0.00782	0.01609243	0.01609243
467	2.89E-02	0.002849	0.001381	3.36E-06	0.005889	0.003588	0.002814	0.000385	0.002781	0.004600637	0.004600637
468	3.28E-02	0.003436	0.001666	4.18E-06	0.006627	0.004034	0.003065	0.000419	0.003167	0.005173901	0.005173901
469	3.75E-02	0.004231	0.002051	5.46E-06	0.007513	0.004569	0.003345	0.000457	0.003636	0.005860773	0.005860773
470	4.38E-02	0.00542	0.002628	5.46E-06	0.008613	0.005244	0.003662	0.0005	0.004244	0.006724883	0.006724883
471	5.25E-02	0.007345	0.003562	6.37E-06	0.010076	0.006135	0.004041	0.000552	0.005075	0.007867542	0.007867542
472	2.67E-01	0.006152	0.002984	3.8E-06	0.068803	0.042141	0.011833	0.001625	0.02577	0.054002339	0.054002339
473	2.26E-01	0.005474	0.002655	3.37E-06	0.057233	0.035053	0.012443	0.001709	0.021663	0.044919715	0.044919715
474	1.95E-01	0.004881	0.002367	2.99E-06	0.048613	0.029773	0.012933	0.001777	0.018504	0.038153416	0.038153416
475	1.72E-01	0.004372	0.002121	2.67E-06	0.042213	0.025853	0.013284	0.001825	0.016101	0.033130216	0.033130216
476	1.54E-01	0.003931	0.001907	2.38E-06	0.037207	0.022786	0.013463	0.00185	0.014191	0.029200768	0.029200768
477	1.39E-01	0.003549	0.001721	2.14E-06	0.033179	0.02032	0.013472	0.001851	0.012641	0.026039413	0.026039413
478	1.26E-01	0.003213	0.001559	1.92E-06	0.029789	0.018243	0.013304	0.001828	0.011332	0.023378984	0.023378984
479	1.15E-01	0.002919	0.001416	1.74E-06	0.026892	0.01647	0.01299	0.001785	0.010213	0.021105726	0.021105726
480	1.05E-01	0.002658	0.001289	1.57E-06	0.024341	0.014907	0.012546	0.001724	0.00923	0.019103717	0.019103717
481	9.57E-02	0.00242	0.001174	1.43E-06	0.022026	0.013489	0.011983	0.001647	0.00834	0.017286421	0.017286421
482	3.05E-02	0.003091	0.001499	2.87E-06	0.006153	0.003753	0.002986	0.000409	0.002934	0.004811508	0.004811508
483	3.49E-02	0.003798	0.001842	3.53E-06	0.006972	0.00425	0.003275	0.000448	0.003375	0.005449484	0.005449484
484	4.03E-02	0.004775	0.002315	4.47E-06	0.007958	0.004849	0.003599	0.000492	0.003919	0.006217588	0.006217588

Franklin School Project

Unmitigated Residential - Residential Construction Health Impact Assessment

547	Receptor
0.49	Max

Receptor #	Max	Mod BC	Mod AC	Port	Demo	Grad	BC	AC	Paving	Demo-Port. 2	Demo-Port. 1,3,4
485	4.79E-02	0.006353	0.003082	4.43E-06	0.009232	0.00563	0.00398	0.000545	0.004659	0.007218545	0.007218545
486	5.87E-02	0.008978	0.004355	5.06E-06	0.010928	0.006665	0.004434	0.000607	0.005684	0.008545282	0.008545282
487	3.19E-01	0.006613	0.003208	3.34E-06	0.082386	0.050468	0.014488	0.00199	0.030702	0.064672591	0.064672591
488	2.62E-01	0.005829	0.002827	3.01E-06	0.066457	0.040708	0.01523	0.002093	0.024991	0.052165908	0.052165908
489	2.23E-01	0.005154	0.0025	2.7E-06	0.055366	0.033913	0.015767	0.002167	0.020916	0.04345865	0.04345865
490	1.94E-01	0.004583	0.002223	2.43E-06	0.047427	0.02905	0.016086	0.002211	0.017943	0.037226344	0.037226344
491	1.72E-01	0.004094	0.001986	2.19E-06	0.041374	0.025342	0.016156	0.00222	0.015647	0.03247468	0.03247468
492	1.54E-01	0.003675	0.001783	1.98E-06	0.036561	0.022393	0.01599	0.002198	0.013811	0.028696721	0.028696721
493	1.38E-01	0.003304	0.001603	1.79E-06	0.032458	0.01988	0.015566	0.002139	0.012243	0.025475876	0.025475876
494	1.25E-01	0.002989	0.00145	1.62E-06	0.029084	0.017813	0.015012	0.002063	0.010956	0.022827274	0.022827274
495	1.13E-01	0.002714	0.001317	1.48E-06	0.026164	0.016025	0.014333	0.00197	0.009845	0.020535315	0.020535315
496	1.03E-01	0.002463	0.001195	1.35E-06	0.023503	0.014395	0.013522	0.001859	0.008836	0.018447151	0.018447151
497	3.20E-02	0.003336	0.001618	2.5E-06	0.006415	0.003915	0.003172	0.000435	0.003087	0.005019705	0.005019705
498	3.70E-02	0.004159	0.002017	2.96E-06	0.007311	0.004461	0.003503	0.00048	0.003584	0.005719735	0.005719735
499	4.34E-02	0.00538	0.00261	3.63E-06	0.008435	0.005146	0.003889	0.000533	0.004232	0.006597813	0.006597813
500	5.23E-02	0.007326	0.003553	4.5E-06	0.009888	0.006031	0.004347	0.000595	0.00511	0.007732728	0.007732728
501	6.49E-02	0.010481	0.005085	4.11E-06	0.011782	0.007194	0.004879	0.000669	0.006332	0.009222876	0.009222876
502	3.61E-01	0.00702	0.003406	2.96E-06	0.092804	0.056855	0.018093	0.002486	0.034529	0.072856414	0.072856414
503	2.94E-01	0.006126	0.002972	2.69E-06	0.074144	0.045421	0.018939	0.002603	0.027756	0.058204569	0.058204569
504	2.49E-01	0.005381	0.002611	2.44E-06	0.061585	0.037726	0.019489	0.002679	0.023105	0.048344474	0.048344474
505	2.16E-01	0.004753	0.002306	2.21E-06	0.052466	0.032139	0.019686	0.002706	0.019684	0.041185126	0.041185126
506	1.90E-01	0.00422	0.002047	2.01E-06	0.045467	0.027851	0.019522	0.002683	0.017041	0.035690301	0.035690301
507	1.69E-01	0.003766	0.001827	1.83E-06	0.039857	0.024414	0.019033	0.002616	0.01492	0.031286342	0.031286342
508	1.51E-01	0.003373	0.001636	1.66E-06	0.03517	0.021543	0.018267	0.002511	0.013149	0.027606322	0.027606322
509	1.35E-01	0.003035	0.001472	1.52E-06	0.031215	0.01912	0.017325	0.002382	0.01166	0.024501404	0.024501404
510	1.22E-01	0.002743	0.001331	1.39E-06	0.027831	0.017047	0.016282	0.002238	0.01039	0.021845318	0.021845318
511	1.09E-01	0.002482	0.001204	1.28E-06	0.024815	0.0152	0.015146	0.002082	0.009261	0.019477875	0.019477875
512	3.34E-02	0.003533	0.001714	2.18E-06	0.006636	0.004053	0.003356	0.00046	0.003215	0.005195466	0.005195466
513	3.87E-02	0.004435	0.002151	2.47E-06	0.007591	0.004636	0.003729	0.000511	0.003754	0.005943131	0.005943131
514	4.56E-02	0.005749	0.002789	2.91E-06	0.008781	0.005363	0.004165	0.000571	0.004455	0.00687465	0.00687465
515	5.56E-02	0.007974	0.003868	3.43E-06	0.010382	0.006341	0.004704	0.000645	0.005461	0.008128275	0.008128275
516	7.00E-02	0.011607	0.005631	3.91E-06	0.012521	0.007648	0.005354	0.000734	0.006906	0.009804331	0.009804331
517	3.96E-01	0.007367	0.003574	2.64E-06	0.100911	0.061825	0.023119	0.003178	0.037499	0.079224811	0.079224811
518	3.27E-01	0.006389	0.0031	2.42E-06	0.081706	0.050057	0.024081	0.00331	0.030405	0.064144752	0.064144752
519	2.77E-01	0.005567	0.002701	2.22E-06	0.067865	0.041576	0.024491	0.003367	0.025246	0.053277777	0.053277777
520	2.39E-01	0.00488	0.002368	2.02E-06	0.057539	0.035249	0.024348	0.003347	0.02138	0.045170229	0.045170229
521	2.10E-01	0.004309	0.00209	1.85E-06	0.049612	0.030392	0.023739	0.003263	0.01841	0.038945987	0.038945987
522	1.85E-01	0.003828	0.001857	1.7E-06	0.043231	0.026483	0.022738	0.003126	0.016024	0.033936382	0.033936382
523	1.64E-01	0.003413	0.001656	1.55E-06	0.037837	0.023178	0.021413	0.002944	0.014015	0.029701367	0.029701367
524	1.45E-01	0.003058	0.001483	1.43E-06	0.033283	0.020388	0.019934	0.00274	0.012324	0.026126175	0.026126175
525	1.29E-01	0.00275	0.001334	1.31E-06	0.029364	0.017987	0.018381	0.002527	0.010875	0.023050037	0.023050037
526	1.15E-01	0.002473	0.0012	1.2E-06	0.025881	0.015853	0.016778	0.002307	0.009589	0.020315253	0.020315253
527	3.45E-02	0.003697	0.001793	1.92E-06	0.006826	0.004171	0.003543	0.000486	0.003322	0.005346534	0.005346534
528	4.03E-02	0.004677	0.002269	2.13E-06	0.007842	0.004793	0.003965	0.000544	0.003905	0.006143245	0.006143245

Franklin School Project

Unmitigated Residential - Residential Construction Health Impact Assessment

547	Receptor
0.49	Max

Receptor #	Max	Mod BC	Mod AC	Port	Demo	Grad	BC	AC	Paving	Demo-Port. 2	Demo-Port. 1,3,4
529	4.80E-02	0.00617	0.002993	2.4E-06	0.009148	0.005591	0.004477	0.000614	0.004694	0.007166877	0.007166877
530	5.89E-02	0.008564	0.004155	2.72E-06	0.010864	0.006641	0.005102	0.0007	0.005801	0.008511945	0.008511945
531	7.46E-02	0.012429	0.006031	3E-06	0.013219	0.008082	0.005884	0.000807	0.007454	0.010359279	0.010359279
532	4.34E-01	0.007631	0.003702	2.36E-06	0.109356	0.067002	0.03024	0.004157	0.040405	0.085858213	0.085858213
533	3.63E-01	0.006569	0.003187	2.18E-06	0.089585	0.054887	0.031142	0.004281	0.033014	0.070333756	0.070333756
534	3.06E-01	0.005661	0.002747	2.01E-06	0.073817	0.045225	0.030975	0.004258	0.027159	0.057953073	0.057953073
535	2.61E-01	0.004911	0.002383	1.84E-06	0.061872	0.037906	0.029982	0.004122	0.022736	0.048573805	0.048573805
536	2.27E-01	0.004305	0.002089	1.7E-06	0.052895	0.032405	0.028513	0.00392	0.019419	0.041525782	0.041525782
537	1.99E-01	0.00381	0.001848	1.56E-06	0.045829	0.028076	0.026731	0.003675	0.016815	0.035977439	0.035977439
538	1.75E-01	0.003389	0.001644	1.44E-06	0.039881	0.024431	0.024683	0.003393	0.014633	0.031307205	0.031307205
539	1.54E-01	0.003036	0.001473	1.33E-06	0.034936	0.021401	0.022609	0.003108	0.012824	0.02742476	0.02742476
540	1.35E-01	0.002716	0.001318	1.23E-06	0.030449	0.018653	0.020399	0.002804	0.011189	0.023902495	0.023902495
541	1.19E-01	0.002434	0.00118	1.13E-06	0.026552	0.016265	0.018269	0.002512	0.00977	0.020842939	0.020842939
542	3.54E-02	0.003809	0.001848	1.7E-06	0.006968	0.00426	0.003722	0.000511	0.003396	0.005459915	0.005459915
543	4.16E-02	0.004863	0.002359	1.88E-06	0.008045	0.004918	0.0042	0.000577	0.00402	0.006304221	0.006304221
544	5.01E-02	0.006511	0.003159	2.08E-06	0.009458	0.005783	0.004797	0.000659	0.004888	0.0074127	0.0074127
545	6.16E-02	0.008991	0.004362	2.27E-06	0.011274	0.006895	0.00552	0.000758	0.006077	0.00883715	0.00883715
546	7.80E-02	0.012945	0.006281	2.45E-06	0.013736	0.008402	0.006427	0.000882	0.00783	0.010769023	0.010769023
547	4.90E-01	0.0078	0.003784	2.12E-06	0.122019	0.074764	0.040494	0.005567	0.044418	0.09580402	0.09580402
548	4.06E-01	0.006646	0.003225	1.97E-06	0.098532	0.060371	0.040791	0.005608	0.035783	0.077361061	0.077361061
549	3.39E-01	0.005694	0.002762	1.83E-06	0.080616	0.049393	0.039611	0.005446	0.029249	0.063292992	0.063292992
550	2.87E-01	0.004909	0.002382	1.69E-06	0.066981	0.041037	0.037254	0.005122	0.024299	0.05258663	0.05258663
551	2.39E-01	0.004208	0.002041	1.55E-06	0.054979	0.033683	0.033453	0.004599	0.019969	0.043162703	0.043162703
552	2.05E-01	0.003681	0.001786	1.42E-06	0.046615	0.028559	0.030174	0.004148	0.016946	0.036596069	0.036596069
553	1.80E-01	0.003277	0.00159	1.32E-06	0.040472	0.024794	0.027371	0.003763	0.014725	0.031772726	0.031772726
554	1.57E-01	0.002926	0.00142	1.23E-06	0.035119	0.021514	0.024529	0.003372	0.012795	0.02756965	0.02756965
555	1.37E-01	0.002624	0.001273	1.14E-06	0.030566	0.018725	0.021863	0.003006	0.011156	0.02399467	0.02399467
556	1.19E-01	0.00235	0.00114	1.05E-06	0.026491	0.016228	0.019289	0.002652	0.00969	0.020795763	0.020795763
557	3.61E-02	0.003875	0.00188	1.52E-06	0.007064	0.00432	0.003891	0.000534	0.003439	0.005536667	0.005536667
558	4.25E-02	0.004972	0.002412	1.67E-06	0.008181	0.005003	0.004423	0.000607	0.004085	0.006412269	0.006412269
559	5.12E-02	0.006641	0.003222	1.82E-06	0.009628	0.005889	0.005087	0.000698	0.004971	0.007547433	0.007547433
560	6.35E-02	0.009237	0.004482	1.98E-06	0.011562	0.007073	0.005933	0.000815	0.006244	0.009065309	0.009065309
561	8.04E-02	0.01322	0.006415	2.12E-06	0.014076	0.008613	0.006971	0.000957	0.008031	0.011038818	0.011038818
562	4.69E-01	0.006718	0.00326	1.8E-06	0.111751	0.068474	0.055437	0.007622	0.03982	0.087743561	0.087743561
563	3.88E-01	0.005724	0.002777	1.68E-06	0.090532	0.05547	0.052189	0.007176	0.032312	0.071080926	0.071080926
564	3.18E-01	0.004859	0.002357	1.55E-06	0.072798	0.044603	0.04642	0.006383	0.026055	0.057155708	0.057155708
565	2.45E-01	0.003982	0.001932	1.39E-06	0.055345	0.033909	0.037707	0.005184	0.0199	0.043451767	0.043451767
566	2.06E-01	0.003467	0.001682	1.29E-06	0.046238	0.028328	0.032897	0.004523	0.016664	0.036300935	0.036300935
567	1.76E-01	0.003065	0.001487	1.2E-06	0.039273	0.02406	0.028789	0.003958	0.01419	0.030831989	0.030831989
568	1.52E-01	0.002736	0.001327	1.12E-06	0.033729	0.020663	0.025237	0.00347	0.012218	0.026478543	0.026478543
569	1.32E-01	0.002454	0.00119	1.04E-06	0.029146	0.017855	0.022117	0.003041	0.010587	0.022880437	0.022880437
570	1.17E-01	0.002228	0.001081	9.79E-07	0.025646	0.01571	0.019649	0.002701	0.009338	0.020132273	0.020132273
571	3.65E-02	0.003917	0.001901	1.37E-06	0.007127	0.004359	0.00405	0.000556	0.003459	0.005586708	0.005586708
572	4.33E-02	0.005069	0.002459	1.49E-06	0.008288	0.00507	0.004644	0.000638	0.004129	0.00649775	0.00649775

Franklin School Project

Unmitigated Residential - Residential Construction Health Impact Assessment

547	Receptor
0.49	Max

Receptor #	Max	Mod BC	Mod AC	Port	Demo	Grad	BC	AC	Paving	Demo-Port. 2	Demo-Port. 1,3,4
573	5.20E-02	0.006709	0.003255	1.62E-06	0.009736	0.005956	0.005367	0.000737	0.005005	0.007634116	0.007634116
574	6.46E-02	0.00932	0.004522	1.74E-06	0.011725	0.007174	0.006324	0.000869	0.0063	0.009194857	0.009194857
575	8.16E-02	0.013284	0.006446	1.85E-06	0.014248	0.00872	0.007495	0.00103	0.008062	0.011175666	0.011175666
576	4.54E-01	0.005703	0.002767	1.54E-06	0.103547	0.063447	0.070102	0.009639	0.036364	0.081302496	0.081302496
577	3.66E-01	0.004836	0.002346	1.44E-06	0.082394	0.050485	0.059679	0.008206	0.029073	0.064691922	0.064691922
578	2.86E-01	0.004066	0.001973	1.33E-06	0.0637	0.039029	0.048144	0.00662	0.022605	0.050013373	0.050013373
579	2.36E-01	0.00354	0.001717	1.24E-06	0.052211	0.031989	0.040511	0.00557	0.018605	0.04099156	0.04099156
580	1.95E-01	0.003095	0.001501	1.15E-06	0.042923	0.026298	0.033839	0.004653	0.015363	0.033698756	0.033698756
581	1.61E-01	0.002702	0.001311	1.07E-06	0.035205	0.021568	0.028003	0.00385	0.01266	0.027638303	0.027638303
582	1.35E-01	0.002387	0.001158	9.89E-07	0.029473	0.018056	0.023553	0.003238	0.010644	0.023137774	0.023137774
583	1.14E-01	0.002121	0.001029	9.17E-07	0.024931	0.015273	0.019959	0.002744	0.00904	0.019571238	0.019571238
584	3.66E-02	0.003895	0.00189	1.24E-06	0.007128	0.00436	0.004183	0.000574	0.003438	0.005588568	0.005588568
585	4.35E-02	0.005038	0.002444	1.34E-06	0.008296	0.005076	0.004823	0.000663	0.004103	0.006505254	0.006505254
586	5.26E-02	0.006714	0.003258	1.44E-06	0.009801	0.005997	0.005636	0.000774	0.005003	0.007686539	0.007686539
587	6.47E-02	0.009203	0.004466	1.54E-06	0.011721	0.007173	0.006654	0.000914	0.006214	0.009193166	0.009193166
588	8.20E-02	0.013163	0.006387	1.63E-06	0.014277	0.008739	0.007981	0.001097	0.007944	0.011199821	0.011199821
589	4.40E-01	0.004809	0.002333	1.35E-06	0.097259	0.059595	0.078651	0.010815	0.033847	0.076366489	0.076366489
590	3.51E-01	0.004162	0.002019	1.27E-06	0.077042	0.047206	0.06374	0.008764	0.026964	0.06049059	0.06049059
591	2.79E-01	0.003623	0.001758	1.19E-06	0.061068	0.037417	0.051148	0.007033	0.021507	0.047947161	0.047947161
592	2.19E-01	0.003134	0.001521	1.11E-06	0.047772	0.029269	0.040192	0.005526	0.016941	0.037506538	0.037506538
593	1.78E-01	0.002751	0.001335	1.04E-06	0.038716	0.02372	0.032548	0.004475	0.013811	0.03039532	0.03039532
594	1.45E-01	0.002409	0.001169	9.65E-07	0.031419	0.019248	0.02631	0.003617	0.011275	0.024665822	0.024665822
595	1.18E-01	0.002105	0.001021	8.9E-07	0.025612	0.01569	0.021322	0.002932	0.009243	0.020106402	0.020106402
596	3.64E-02	0.003819	0.001853	1.13E-06	0.007078	0.00433	0.004286	0.000589	0.003385	0.005549817	0.005549817
597	4.32E-02	0.004935	0.002394	1.21E-06	0.008247	0.005046	0.004971	0.000683	0.004038	0.006467379	0.006467379
598	5.19E-02	0.006485	0.003147	1.29E-06	0.009674	0.00592	0.005804	0.000797	0.00486	0.007587604	0.007587604
599	6.39E-02	0.008888	0.004313	1.37E-06	0.011566	0.007079	0.006902	0.000948	0.006009	0.009072981	0.009072981
600	8.08E-02	0.012731	0.006178	1.45E-06	0.014065	0.00861	0.008342	0.001146	0.007613	0.011034375	0.011034375
601	3.81E-01	0.004007	0.001944	1.18E-06	0.082402	0.050492	0.073804	0.010148	0.028607	0.064700642	0.064700642
602	2.91E-01	0.003483	0.00169	1.12E-06	0.062871	0.038523	0.056257	0.007735	0.022001	0.049363602	0.049363602
603	2.26E-01	0.003034	0.001472	1.05E-06	0.048694	0.029834	0.043278	0.005951	0.017174	0.038230655	0.038230655
604	1.81E-01	0.00267	0.001295	9.88E-07	0.039014	0.023903	0.03434	0.004722	0.013855	0.030630172	0.030630172
605	1.47E-01	0.002356	0.001143	9.25E-07	0.031719	0.019433	0.027612	0.003796	0.011337	0.024902077	0.024902077
606	1.20E-01	0.002072	0.001005	8.6E-07	0.025875	0.015852	0.02226	0.003061	0.009305	0.020313435	0.020313435
607	3.59E-02	0.00368	0.001785	1.03E-06	0.006969	0.004264	0.00435	0.000598	0.003298	0.005465386	0.005465386
608	4.25E-02	0.004721	0.00229	1.1E-06	0.008106	0.00496	0.005057	0.000695	0.003915	0.006357306	0.006357306
609	5.09E-02	0.006181	0.002999	1.17E-06	0.009504	0.005817	0.005932	0.000815	0.004694	0.007454826	0.007454826
610	6.21E-02	0.008377	0.004065	1.23E-06	0.011291	0.006912	0.007057	0.00097	0.005723	0.008858123	0.008858123
611	7.81E-02	0.011943	0.005795	1.3E-06	0.013661	0.008364	0.008557	0.001176	0.007144	0.010718865	0.010718865
612	3.93E-01	0.003814	0.00185	1.1E-06	0.08385	0.051379	0.08037	0.011051	0.028967	0.065837872	0.065837872
613	2.92E-01	0.003321	0.001611	1.05E-06	0.062256	0.038146	0.058807	0.008086	0.021705	0.0488809	0.0488809
614	2.22E-01	0.002899	0.001407	9.9E-07	0.047524	0.029118	0.04413	0.006068	0.016714	0.03731269	0.03731269
615	1.76E-01	0.002555	0.001239	9.35E-07	0.037746	0.023126	0.034438	0.004735	0.013376	0.029634783	0.029634783
616	1.43E-01	0.002259	0.001096	8.79E-07	0.030593	0.018743	0.027433	0.003772	0.010916	0.024017513	0.024017513

Franklin School Project

Unmitigated Residential - Residential Construction Health Impact Assessment

547	Receptor
0.49	Max

Receptor #	Max	Mod BC	Mod AC	Port	Demo	Grad	BC	AC	Paving	Demo-Port. 2	Demo-Port. 1,3,4
617	1.16E-01	0.001986	0.000964	8.2E-07	0.024833	0.015213	0.021886	0.003009	0.008919	0.01949522	0.01949522
618	3.50E-02	0.003484	0.001691	9.4E-07	0.006808	0.004166	0.00437	0.0006	0.003184	0.005339152	0.005339152
619	4.10E-02	0.004397	0.002134	1E-06	0.007862	0.004812	0.005065	0.000696	0.003734	0.00616645	0.00616645
620	4.91E-02	0.005732	0.002781	1.06E-06	0.009225	0.005647	0.005971	0.00082	0.004466	0.007236583	0.007236583
621	5.93E-02	0.007633	0.003704	1.11E-06	0.010868	0.006653	0.007081	0.000973	0.005359	0.00852627	0.00852627
622	7.41E-02	0.01076	0.005221	1.17E-06	0.013105	0.008024	0.008611	0.001183	0.006606	0.010282417	0.010282417
623	3.74E-01	0.003592	0.001743	1.03E-06	0.078884	0.048336	0.079576	0.010942	0.027226	0.061938778	0.061938778
624	2.73E-01	0.00313	0.001518	9.83E-07	0.057826	0.035432	0.056807	0.007811	0.020156	0.045402633	0.045402633
625	2.09E-01	0.002742	0.00133	9.32E-07	0.044285	0.027134	0.042415	0.005832	0.015575	0.034769758	0.034769758
626	1.66E-01	0.002425	0.001176	8.84E-07	0.035327	0.021644	0.033049	0.004544	0.01252	0.027735395	0.027735395
627	1.36E-01	0.002161	0.001048	8.37E-07	0.028996	0.017764	0.026556	0.003651	0.010345	0.022764006	0.022764006
628	1.11E-01	0.001914	0.000928	7.86E-07	0.023806	0.014584	0.021358	0.002937	0.008548	0.018689026	0.018689026
629	3.39E-02	0.003257	0.00158	8.63E-07	0.006609	0.004045	0.004352	0.000598	0.003053	0.005183628	0.005183628
630	3.94E-02	0.004036	0.001958	9.14E-07	0.007579	0.004639	0.005025	0.00069	0.003541	0.005944831	0.005944831
631	4.66E-02	0.005155	0.002501	9.65E-07	0.00882	0.005399	0.005895	0.00081	0.004178	0.006918951	0.006918951
632	5.60E-02	0.006766	0.003283	1.01E-06	0.010381	0.006355	0.00701	0.000963	0.004986	0.008144845	0.008144845
633	6.91E-02	0.009276	0.004501	1.06E-06	0.012444	0.007619	0.008513	0.00117	0.00606	0.009764624	0.009764624
634	3.24E-01	0.003349	0.001625	9.64E-07	0.067849	0.041574	0.070143	0.009645	0.023496	0.053273419	0.053273419
635	2.42E-01	0.00293	0.001422	9.22E-07	0.050922	0.031201	0.051091	0.007025	0.017802	0.03998147	0.03998147
636	1.89E-01	0.00258	0.001252	8.78E-07	0.039783	0.024375	0.038769	0.005331	0.014025	0.031234257	0.031234257
637	1.52E-01	0.002291	0.001111	8.36E-07	0.032185	0.019719	0.030543	0.0042	0.011429	0.02526872	0.02526872
638	1.25E-01	0.002044	0.000992	7.93E-07	0.026613	0.016304	0.024656	0.00339	0.009511	0.020893	0.020893
639	1.05E-01	0.001834	0.00089	7.52E-07	0.022384	0.013713	0.020298	0.002791	0.008046	0.017572574	0.017572574
640	3.25E-02	0.002995	0.001453	7.95E-07	0.006363	0.003895	0.004287	0.000589	0.002902	0.004991294	0.004991294
641	3.76E-02	0.003679	0.001785	8.4E-07	0.007291	0.004463	0.004954	0.000681	0.003357	0.005719139	0.005719139
642	4.42E-02	0.004603	0.002233	8.83E-07	0.008441	0.005167	0.005796	0.000797	0.003926	0.006622462	0.006622462
643	5.27E-02	0.005892	0.002859	9.24E-07	0.009892	0.006057	0.006882	0.000946	0.004641	0.007761785	0.007761785
644	6.39E-02	0.007739	0.003755	9.63E-07	0.011756	0.007198	0.008312	0.001142	0.005552	0.009224704	0.009224704
645	2.62E-01	0.003095	0.001502	9.01E-07	0.054529	0.033412	0.056993	0.007837	0.019021	0.042814431	0.042814431
646	2.06E-01	0.00273	0.001324	8.65E-07	0.043155	0.026441	0.043621	0.005998	0.01517	0.033882426	0.033882426
647	1.66E-01	0.002419	0.001173	8.28E-07	0.034846	0.021349	0.03416	0.004697	0.012338	0.027357775	0.027357775
648	1.36E-01	0.002158	0.001047	7.91E-07	0.02879	0.017639	0.027459	0.003775	0.01026	0.022602951	0.022602951
649	1.14E-01	0.001934	0.000938	7.53E-07	0.024177	0.014812	0.022496	0.003093	0.008666	0.018980783	0.018980783
650	9.67E-02	0.00174	0.000844	7.17E-07	0.020551	0.01259	0.0187	0.002571	0.007406	0.016133123	0.016133123
651	3.11E-02	0.002753	0.001335	7.36E-07	0.006128	0.003751	0.004209	0.000578	0.002765	0.004807293	0.004807293
652	3.59E-02	0.003325	0.001613	7.74E-07	0.006995	0.004282	0.004853	0.000667	0.003179	0.00548755	0.00548755
653	4.18E-02	0.004071	0.001975	8.11E-07	0.008059	0.004934	0.00566	0.000778	0.003685	0.006322687	0.006322687
654	4.93E-02	0.005054	0.002452	8.46E-07	0.009385	0.005746	0.006691	0.00092	0.00431	0.007364216	0.007364216
655	5.88E-02	0.006356	0.003084	8.8E-07	0.011054	0.006769	0.008027	0.001103	0.005077	0.008674342	0.008674342
656	7.10E-02	0.008053	0.003908	9.11E-07	0.01317	0.008065	0.009783	0.001345	0.006023	0.010335579	0.010335579
657	8.71E-02	0.010123	0.004912	9.39E-07	0.015998	0.009798	0.012235	0.001682	0.007224	0.012556325	0.012556325
658	1.08E-01	0.012236	0.005938	9.63E-07	0.019921	0.012202	0.01583	0.002176	0.008778	0.01563644	0.01563644
659	1.36E-01	0.01375	0.006673	9.82E-07	0.025269	0.015479	0.021082	0.002898	0.010771	0.01983604	0.01983604
660	1.72E-01	0.014206	0.006894	9.96E-07	0.032879	0.020143	0.029218	0.004017	0.013428	0.025812362	0.025812362

Franklin School Project

Unmitigated Residential - Residential Construction Health Impact Assessment

547	Receptor
0.49	Max

Receptor #	Max	Mod BC	Mod AC	Port	Demo	Grad	BC	AC	Paving	Demo-Port. 2	Demo-Port. 1,3,4
661	2.18E-01	0.013512	0.006557	1E-06	0.042509	0.026045	0.040661	0.005591	0.016639	0.033374478	0.033374478
662	2.71E-01	0.011864	0.005757	1.01E-06	0.053469	0.032761	0.055699	0.007659	0.020156	0.041980707	0.041980707
663	3.21E-01	0.009925	0.004816	1E-06	0.063156	0.038698	0.072202	0.009928	0.023166	0.049588488	0.049588488
664	3.61E-01	0.008253	0.004005	9.98E-07	0.070533	0.043219	0.086756	0.01193	0.025386	0.055381552	0.055381552
665	3.83E-01	0.006882	0.00334	9.87E-07	0.074732	0.045792	0.09556	0.01314	0.026545	0.05867853	0.05867853
666	3.89E-01	0.005796	0.002812	9.71E-07	0.075994	0.046566	0.098126	0.013493	0.026746	0.059669833	0.059669833
667	3.78E-01	0.004936	0.002395	9.51E-07	0.074387	0.045581	0.094636	0.013013	0.026023	0.058408263	0.058408263
668	3.51E-01	0.004258	0.002066	9.29E-07	0.070018	0.042904	0.085634	0.011775	0.024417	0.054977175	0.054977175
669	3.07E-01	0.003702	0.001796	9.03E-07	0.062325	0.038189	0.07188	0.009884	0.02174	0.048936026	0.048936026
670	2.56E-01	0.003233	0.001568	8.74E-07	0.052536	0.03219	0.057275	0.007876	0.01839	0.041249168	0.041249168
671	2.09E-01	0.002846	0.001381	8.43E-07	0.04328	0.026518	0.045168	0.006211	0.015234	0.033980932	0.033980932
672	1.72E-01	0.002529	0.001227	8.12E-07	0.03593	0.022014	0.03622	0.00498	0.01272	0.028209767	0.028209767
673	1.43E-01	0.002255	0.001094	7.8E-07	0.030005	0.018383	0.029332	0.004033	0.010685	0.023556994	0.023556994
674	1.20E-01	0.002023	0.000981	7.47E-07	0.025379	0.015549	0.024148	0.00332	0.009087	0.019924601	0.019924601
675	1.02E-01	0.001821	0.000883	7.15E-07	0.021678	0.013281	0.02013	0.002768	0.007801	0.017018446	0.017018446
676	8.82E-02	0.001648	0.000799	6.82E-07	0.01873	0.011474	0.01702	0.00234	0.006771	0.014703424	0.014703424
677	2.94E-02	0.002478	0.001202	6.81E-07	0.00582	0.003562	0.004064	0.000558	0.002595	0.004565382	0.004565382
678	3.36E-02	0.002938	0.001426	7.15E-07	0.006591	0.004035	0.004653	0.000639	0.002953	0.005170898	0.005170898
679	3.88E-02	0.003533	0.001714	7.47E-07	0.00756	0.004628	0.005406	0.000743	0.003401	0.00593107	0.00593107
680	4.51E-02	0.004259	0.002067	7.79E-07	0.008703	0.005329	0.006321	0.000869	0.003922	0.006829129	0.006829129
681	5.33E-02	0.00518	0.002514	8.08E-07	0.010191	0.00624	0.007547	0.001037	0.004581	0.00799733	0.00799733
682	6.32E-02	0.006274	0.003044	8.36E-07	0.012009	0.007354	0.009103	0.001251	0.005361	0.009424568	0.009424568
683	7.56E-02	0.007482	0.003631	8.6E-07	0.014304	0.00876	0.011159	0.001534	0.006304	0.011226174	0.011226174
684	9.20E-02	0.008656	0.0042	8.81E-07	0.017458	0.010693	0.014154	0.001946	0.007516	0.013702897	0.013702897
685	1.12E-01	0.009493	0.004606	8.98E-07	0.021514	0.013179	0.018296	0.002515	0.009004	0.016888347	0.016888347
686	1.37E-01	0.00981	0.00476	9.12E-07	0.026521	0.016247	0.023817	0.003275	0.010761	0.020819874	0.020819874
687	1.67E-01	0.009515	0.004617	9.2E-07	0.032745	0.020061	0.031432	0.004322	0.01285	0.025707133	0.025707133
688	1.99E-01	0.008718	0.00423	9.24E-07	0.039371	0.024122	0.040522	0.005572	0.014993	0.0309105	0.0309105
689	2.28E-01	0.007687	0.00373	9.23E-07	0.045166	0.027673	0.049602	0.00682	0.016804	0.035461434	0.035461434
690	2.52E-01	0.006695	0.003249	9.19E-07	0.049817	0.030524	0.057651	0.007927	0.018212	0.039114165	0.039114165
691	2.66E-01	0.005794	0.002811	9.11E-07	0.052585	0.03222	0.062829	0.008639	0.018979	0.041287896	0.041287896
692	2.71E-01	0.005003	0.002428	8.98E-07	0.053644	0.032869	0.064796	0.00891	0.019174	0.042119395	0.042119395
693	2.65E-01	0.00435	0.00211	8.82E-07	0.052824	0.032367	0.063201	0.00869	0.018758	0.041475173	0.041475173
694	2.50E-01	0.003802	0.001845	8.63E-07	0.050214	0.030767	0.058484	0.008042	0.017765	0.039425622	0.039425622
695	2.26E-01	0.00334	0.00162	8.41E-07	0.045915	0.028133	0.051415	0.00707	0.016228	0.036050596	0.036050596
696	1.97E-01	0.002943	0.001428	8.16E-07	0.040457	0.024789	0.043443	0.005974	0.014321	0.031764631	0.031764631
697	1.68E-01	0.002612	0.001267	7.9E-07	0.034888	0.021375	0.036022	0.004953	0.012393	0.027391072	0.027391072
698	1.44E-01	0.002338	0.001134	7.63E-07	0.030036	0.018402	0.030005	0.004126	0.010713	0.023581111	0.023581111
699	1.23E-01	0.002099	0.001018	7.35E-07	0.025818	0.015817	0.025045	0.003444	0.009251	0.020268921	0.020268921
700	1.06E-01	0.001893	0.000918	7.07E-07	0.022312	0.013669	0.021089	0.0029	0.00803	0.017516484	0.017516484
701	9.16E-02	0.001712	0.000831	6.78E-07	0.019381	0.011873	0.017895	0.00246	0.007005	0.015214905	0.015214905
702	7.99E-02	0.001556	0.000755	6.49E-07	0.016971	0.010397	0.015346	0.00211	0.006159	0.013322732	0.013322732
703	2.77E-02	0.00223	0.001082	6.33E-07	0.005518	0.003378	0.003906	0.000537	0.002434	0.004328644	0.004328644
704	3.16E-02	0.002615	0.001269	6.63E-07	0.006237	0.003818	0.004465	0.000614	0.002762	0.004893045	0.004893045

Franklin School Project

Unmitigated Residential - Residential Construction Health Impact Assessment

547	Receptor
0.49	Max

Receptor #	Max	Mod BC	Mod AC	Port	Demo	Grad	BC	AC	Paving	Demo-Port. 2	Demo-Port. 1,3,4
705	3.60E-02	0.003069	0.001489	6.91E-07	0.007076	0.004332	0.005132	0.000705	0.003139	0.005551631	0.005551631
706	4.15E-02	0.003617	0.001755	7.19E-07	0.008097	0.004958	0.005966	0.00082	0.003591	0.006353458	0.006353458
707	4.82E-02	0.004263	0.002069	7.45E-07	0.009357	0.005729	0.007028	0.000966	0.004133	0.0073424	0.0073424
708	5.66E-02	0.005002	0.002427	7.69E-07	0.010944	0.006702	0.008419	0.001157	0.00479	0.008588491	0.008588491
709	6.67E-02	0.005766	0.002798	7.91E-07	0.012887	0.007893	0.010206	0.001403	0.005562	0.010114577	0.010114577
710	7.97E-02	0.006471	0.00314	8.09E-07	0.015433	0.009452	0.012696	0.001745	0.006521	0.01211313	0.01211313
711	9.43E-02	0.006978	0.003386	8.25E-07	0.01836	0.011246	0.015751	0.002165	0.007595	0.014411829	0.014411829
712	1.12E-01	0.007197	0.003492	8.37E-07	0.021988	0.013469	0.019834	0.002727	0.008867	0.017260442	0.017260442
713	1.31E-01	0.007094	0.003442	8.46E-07	0.025927	0.015884	0.024641	0.003388	0.010203	0.020354325	0.020354325
714	1.52E-01	0.006688	0.003245	8.5E-07	0.03025	0.018533	0.030434	0.004185	0.011614	0.023748472	0.023748472
715	1.71E-01	0.006107	0.002963	8.5E-07	0.034063	0.02087	0.035994	0.004949	0.012816	0.026743338	0.026743338
716	1.86E-01	0.005496	0.002667	8.48E-07	0.03703	0.022688	0.040698	0.005596	0.013718	0.029072951	0.029072951
717	1.95E-01	0.004886	0.002371	8.42E-07	0.038948	0.023864	0.043897	0.006036	0.014253	0.030579441	0.030579441
718	1.99E-01	0.004319	0.002096	8.32E-07	0.039842	0.024412	0.045395	0.006242	0.014439	0.031281587	0.031281587
719	1.97E-01	0.003821	0.001854	8.19E-07	0.039531	0.024221	0.044863	0.006169	0.014227	0.031037314	0.031037314
720	1.88E-01	0.003387	0.001643	8.03E-07	0.03807	0.023325	0.042451	0.005837	0.01364	0.029889673	0.029889673
721	1.74E-01	0.003012	0.001461	7.85E-07	0.035544	0.021778	0.038549	0.005301	0.012711	0.027906638	0.027906638
722	1.56E-01	0.002679	0.0013	7.63E-07	0.032205	0.019732	0.03384	0.004653	0.011519	0.025284629	0.025284629
723	1.38E-01	0.002398	0.001163	7.4E-07	0.02866	0.017559	0.02914	0.004007	0.010271	0.022501077	0.022501077
724	1.22E-01	0.002166	0.001051	7.18E-07	0.025417	0.015572	0.025098	0.003451	0.009133	0.019954302	0.019954302
725	1.07E-01	0.001956	0.000949	6.94E-07	0.022366	0.013702	0.02149	0.002955	0.008063	0.017558852	0.017558852
726	9.34E-02	0.001773	0.00086	6.69E-07	0.01968	0.012056	0.018447	0.002536	0.00712	0.015449526	0.015449526
727	8.20E-02	0.00161	0.000781	6.43E-07	0.017344	0.010625	0.015896	0.002186	0.006297	0.01361558	0.01361558
728	7.24E-02	0.001469	0.000713	6.18E-07	0.015374	0.009418	0.013812	0.001899	0.005601	0.012068377	0.012068377
729	2.62E-02	0.002018	0.000979	5.9E-07	0.005243	0.003209	0.003751	0.000515	0.002293	0.004112939	0.004112939
730	2.96E-02	0.002326	0.001128	6.16E-07	0.005884	0.003602	0.004258	0.000585	0.002579	0.004616246	0.004616246
731	3.35E-02	0.002682	0.001301	6.41E-07	0.006632	0.004061	0.004864	0.000668	0.002908	0.005203816	0.005203816
732	3.83E-02	0.003099	0.001504	6.66E-07	0.007549	0.004622	0.005625	0.000773	0.003302	0.005923676	0.005923676
733	4.39E-02	0.003563	0.001729	6.89E-07	0.008615	0.005275	0.00654	0.000899	0.00375	0.006760172	0.006760172
734	5.08E-02	0.004074	0.001977	7.1E-07	0.009959	0.006099	0.00774	0.001064	0.004293	0.0078159	0.0078159
735	5.91E-02	0.004583	0.002224	7.3E-07	0.01158	0.007092	0.009259	0.001273	0.004923	0.009088094	0.009088094
736	6.91E-02	0.005038	0.002445	7.46E-07	0.013573	0.008313	0.01124	0.001545	0.005668	0.01065302	0.01065302
737	7.99E-02	0.005374	0.002608	7.61E-07	0.015728	0.009634	0.013502	0.001856	0.00646	0.012345411	0.012345411
738	9.29E-02	0.005537	0.002687	7.72E-07	0.01838	0.011259	0.016492	0.002267	0.007392	0.014427859	0.014427859
739	1.06E-01	0.005514	0.002676	7.8E-07	0.021096	0.012923	0.019747	0.002715	0.00832	0.016560752	0.016560752
740	1.20E-01	0.005304	0.002573	7.85E-07	0.024009	0.014709	0.023528	0.003235	0.009281	0.018848489	0.018848489
741	1.33E-01	0.004962	0.002408	7.86E-07	0.026669	0.016339	0.027206	0.003741	0.010127	0.02093733	0.02093733
742	1.43E-01	0.004575	0.00222	7.85E-07	0.028667	0.017563	0.030131	0.004143	0.010739	0.022506443	0.022506443
743	1.50E-01	0.00416	0.002019	7.8E-07	0.030065	0.01842	0.032265	0.004436	0.011134	0.023604078	0.023604078
744	1.53E-01	0.00375	0.00182	7.72E-07	0.030851	0.018902	0.033485	0.004604	0.011316	0.024221517	0.024221517
745	1.53E-01	0.003371	0.001636	7.62E-07	0.030858	0.018906	0.033488	0.004605	0.011236	0.024226433	0.024226433
746	1.48E-01	0.003029	0.001469	7.49E-07	0.03007	0.018423	0.032278	0.004438	0.010895	0.023608029	0.023608029
747	1.39E-01	0.002723	0.001321	7.33E-07	0.028514	0.01747	0.029993	0.004124	0.010303	0.022386527	0.022386527
748	1.28E-01	0.002444	0.001186	7.15E-07	0.026312	0.01612	0.027008	0.003714	0.0095	0.020656969	0.020656969

Franklin School Project

Unmitigated Residential - Residential Construction Health Impact Assessment

547	Receptor
0.49	Max

Receptor #	Max	Mod BC	Mod AC	Port	Demo	Grad	BC	AC	Paving	Demo-Port. 2	Demo-Port. 1,3,4
749	1.15E-01	0.002203	0.001069	6.95E-07	0.023943	0.014669	0.023922	0.003289	0.008651	0.018796887	0.018796887
750	1.04E-01	0.001999	0.00097	6.75E-07	0.021631	0.013252	0.02106	0.002896	0.007829	0.016981587	0.016981587
751	9.25E-02	0.001816	0.000881	6.54E-07	0.019405	0.011888	0.018432	0.002534	0.007039	0.015233935	0.015233935
752	8.24E-02	0.001656	0.000803	6.32E-07	0.017369	0.01064	0.016126	0.002217	0.006317	0.013634949	0.013634949
753	7.35E-02	0.001513	0.000734	6.1E-07	0.015543	0.009521	0.014131	0.001943	0.005669	0.012201056	0.012201056
754	6.57E-02	0.001387	0.000673	5.87E-07	0.013944	0.008541	0.01244	0.00171	0.0051	0.010945406	0.010945406
755	2.47E-02	0.00182	0.000883	5.51E-07	0.00496	0.003036	0.003579	0.000492	0.002152	0.003890801	0.003890801
756	2.76E-02	0.002065	0.001002	5.74E-07	0.005517	0.003378	0.004026	0.000553	0.002396	0.004328534	0.004328534
757	3.10E-02	0.002348	0.001139	5.97E-07	0.006183	0.003785	0.00457	0.000628	0.002683	0.004850942	0.004850942
758	3.51E-02	0.002664	0.001293	6.18E-07	0.006967	0.004266	0.005229	0.000719	0.003015	0.005466745	0.005466745
759	4.00E-02	0.003017	0.001464	6.39E-07	0.007933	0.004858	0.006068	0.000834	0.00341	0.006225052	0.006225052
760	4.57E-02	0.003379	0.00164	6.58E-07	0.009046	0.005539	0.007074	0.000972	0.003853	0.007098638	0.007098638
761	5.24E-02	0.003734	0.001812	6.75E-07	0.010367	0.006349	0.008325	0.001144	0.004362	0.008136252	0.008136252
762	6.02E-02	0.004049	0.001965	6.91E-07	0.011933	0.007309	0.00989	0.00136	0.004946	0.009365992	0.009365992
763	6.86E-02	0.004285	0.002079	7.04E-07	0.013632	0.00835	0.011676	0.001605	0.005567	0.01069982	0.01069982
764	7.80E-02	0.004414	0.002142	7.14E-07	0.015541	0.00952	0.013801	0.001897	0.006243	0.012199186	0.012199186
765	8.76E-02	0.004425	0.002147	7.22E-07	0.017512	0.010727	0.016112	0.002215	0.006921	0.013746405	0.013746405
766	9.75E-02	0.004316	0.002094	7.27E-07	0.019554	0.011979	0.018668	0.002567	0.007601	0.01535061	0.01535061
767	1.07E-01	0.004111	0.001995	7.28E-07	0.02148	0.013159	0.021215	0.002917	0.00822	0.01686291	0.01686291
768	1.14E-01	0.003857	0.001871	7.28E-07	0.022937	0.014052	0.023218	0.003192	0.00867	0.018007084	0.018007084
769	1.19E-01	0.003578	0.001736	7.25E-07	0.024028	0.01472	0.024736	0.003401	0.008987	0.018863294	0.018863294
770	1.22E-01	0.003276	0.001589	7.19E-07	0.024735	0.015154	0.025779	0.003545	0.009163	0.019418528	0.019418528
771	1.23E-01	0.00299	0.001451	7.1E-07	0.024929	0.015273	0.026054	0.003582	0.009167	0.019571134	0.019571134
772	1.20E-01	0.002719	0.001319	6.99E-07	0.024535	0.015031	0.025487	0.003504	0.008973	0.019261705	0.019261705
773	1.15E-01	0.002469	0.001198	6.86E-07	0.023546	0.014425	0.024108	0.003315	0.008584	0.018485365	0.018485365
774	1.06E-01	0.002234	0.001084	6.7E-07	0.021936	0.013439	0.022	0.003025	0.007988	0.017221173	0.017221173
775	9.77E-02	0.002029	0.000984	6.53E-07	0.020306	0.01244	0.019927	0.00274	0.007393	0.01594124	0.01594124
776	8.93E-02	0.001852	0.000899	6.36E-07	0.018658	0.01143	0.017912	0.002463	0.006798	0.014646956	0.014646956
777	8.10E-02	0.001693	0.000821	6.17E-07	0.017008	0.010419	0.015975	0.002196	0.006206	0.013351366	0.013351366
778	7.33E-02	0.001551	0.000753	5.98E-07	0.015442	0.00946	0.014207	0.001953	0.005645	0.01212236	0.01212236
779	6.61E-02	0.001424	0.000691	5.79E-07	0.013995	0.008573	0.012627	0.001736	0.005127	0.010986096	0.010986096
780	5.98E-02	0.001311	0.000636	5.59E-07	0.012684	0.00777	0.011241	0.001545	0.004657	0.009956804	0.009956804
781	2.32E-02	0.001645	0.000798	5.16E-07	0.004686	0.002869	0.003404	0.000468	0.002019	0.003676287	0.003676287
782	2.58E-02	0.001845	0.000895	5.37E-07	0.005188	0.003176	0.003809	0.000524	0.002235	0.004070024	0.004070024
783	2.88E-02	0.002069	0.001004	5.57E-07	0.005773	0.003534	0.004292	0.00059	0.002483	0.004529262	0.004529262
784	3.23E-02	0.002316	0.001124	5.76E-07	0.006464	0.003958	0.004879	0.000671	0.00277	0.005071974	0.005071974
785	3.65E-02	0.002583	0.001253	5.94E-07	0.007298	0.004469	0.005611	0.000771	0.003105	0.005726927	0.005726927
786	4.13E-02	0.002851	0.001383	6.12E-07	0.008235	0.005043	0.006465	0.000889	0.003474	0.006462057	0.006462057
787	4.67E-02	0.003109	0.001508	6.27E-07	0.009319	0.005707	0.007497	0.001031	0.003888	0.007313462	0.007313462
788	5.29E-02	0.003335	0.001618	6.41E-07	0.01058	0.006479	0.008759	0.001204	0.004357	0.008303388	0.008303388
789	5.94E-02	0.00351	0.001703	6.53E-07	0.011888	0.007281	0.010124	0.001392	0.004837	0.009330955	0.009330955
790	6.63E-02	0.003615	0.001754	6.62E-07	0.013303	0.008149	0.011669	0.001604	0.005341	0.010442165	0.010442165
791	7.36E-02	0.00364	0.001766	6.7E-07	0.014799	0.009065	0.013386	0.00184	0.005859	0.011616764	0.011616764
792	8.09E-02	0.003584	0.001739	6.74E-07	0.016315	0.009994	0.015222	0.002093	0.006367	0.012807461	0.012807461

Franklin School Project

Unmitigated Residential - Residential Construction Health Impact Assessment

547	Receptor
0.49	**Max**

Receptor #	Max	Mod BC	Mod AC	Port	Demo	Grad	BC	AC	Paving	Demo-Port. 2	Demo-Port. 1,3,4
793	8.78E-02	0.003458	0.001678	6.77E-07	0.017732	0.010862	0.017024	0.002341	0.006827	0.013919419	0.013919419
794	9.29E-02	0.003295	0.001599	6.77E-07	0.018821	0.01153	0.018424	0.002533	0.007168	0.01477522	0.01477522
795	9.72E-02	0.003099	0.001504	6.75E-07	0.019736	0.012091	0.019639	0.0027	0.00744	0.015493681	0.015493681
796	9.99E-02	0.002879	0.001397	6.7E-07	0.020345	0.012464	0.020487	0.002817	0.0076	0.015971931	0.015971931
797	1.01E-01	0.002663	0.001292	6.63E-07	0.020605	0.012623	0.02084	0.002865	0.007638	0.016175794	0.016175794
798	9.95E-02	0.002446	0.001187	6.54E-07	0.020404	0.0125	0.020577	0.002829	0.007523	0.016018415	0.016018415
799	9.58E-02	0.002241	0.001087	6.43E-07	0.01974	0.012093	0.019699	0.002709	0.007254	0.015497099	0.015497099
800	8.97E-02	0.002045	0.000992	6.29E-07	0.018578	0.011381	0.018226	0.002506	0.006818	0.014584623	0.014584623
801	8.37E-02	0.00187	0.000907	6.15E-07	0.017427	0.010676	0.0168	0.00231	0.00639	0.013680693	0.013680693
802	7.78E-02	0.001721	0.000835	6E-07	0.016263	0.009962	0.015397	0.002117	0.005963	0.012766396	0.012766396
803	7.16E-02	0.001583	0.000768	5.84E-07	0.015031	0.009208	0.013965	0.00192	0.005515	0.011799092	0.011799092
804	6.56E-02	0.001458	0.000707	5.67E-07	0.013818	0.008464	0.012601	0.001732	0.005076	0.010846738	0.010846738
805	5.98E-02	0.001344	0.000652	5.5E-07	0.012651	0.007749	0.011331	0.001558	0.004655	0.009930653	0.009930653
806	5.45E-02	0.001241	0.000602	5.32E-07	0.011567	0.007085	0.010186	0.0014	0.004264	0.009079829	0.009079829

Risk From Modernization Const - Unmitigated Residential

Franklin School Project
Risk From Modernization Const - Unmitigated Residential

	7.80	Max					Onsite		
Receptor #	**Total/ Million**	**Total**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
1	0.05	5.1E-08	2.3E-01	2.0E-03	1.0E-03	4.8E-07	1.6E-01	6.7E-01	5.1E-08
2	0.06	5.6E-08	2.5E-01	2.0E-03	1.0E-03	5.3E-07	1.6E-01	6.7E-01	5.6E-08
3	0.06	6.2E-08	2.7E-01	2.0E-03	1.0E-03	5.8E-07	1.6E-01	6.7E-01	6.1E-08
4	0.07	6.7E-08	3.0E-01	2.0E-03	1.0E-03	6.4E-07	1.6E-01	6.7E-01	6.7E-08
5	0.07	7.3E-08	3.2E-01	2.0E-03	1.0E-03	6.9E-07	1.6E-01	6.7E-01	7.2E-08
6	0.08	7.8E-08	3.5E-01	2.0E-03	1.0E-03	7.4E-07	1.6E-01	6.7E-01	7.7E-08
7	0.08	8.3E-08	3.7E-01	2.0E-03	1.0E-03	7.8E-07	1.6E-01	6.7E-01	8.2E-08
8	0.09	8.8E-08	3.9E-01	2.0E-03	1.0E-03	8.3E-07	1.6E-01	6.7E-01	8.7E-08
9	0.09	9.3E-08	4.1E-01	2.0E-03	1.0E-03	8.8E-07	1.6E-01	6.7E-01	9.2E-08
10	0.10	9.9E-08	4.4E-01	2.0E-03	1.0E-03	9.4E-07	1.6E-01	6.7E-01	9.8E-08
11	0.11	1.1E-07	4.7E-01	2.0E-03	1.0E-03	1.0E-06	1.6E-01	6.7E-01	1.1E-07
12	0.11	1.1E-07	5.0E-01	2.0E-03	1.0E-03	1.1E-06	1.6E-01	6.7E-01	1.1E-07
13	0.12	1.2E-07	5.2E-01	2.0E-03	1.0E-03	1.1E-06	1.6E-01	6.7E-01	1.2E-07
14	0.12	1.2E-07	5.4E-01	2.0E-03	1.0E-03	1.1E-06	1.6E-01	6.7E-01	1.2E-07
15	0.12	1.2E-07	5.4E-01	2.0E-03	1.0E-03	1.2E-06	1.6E-01	6.7E-01	1.2E-07
16	0.12	1.2E-07	5.3E-01	2.0E-03	1.0E-03	1.1E-06	1.6E-01	6.7E-01	1.2E-07
17	0.06	5.8E-08	2.6E-01	2.0E-03	1.0E-03	5.5E-07	1.6E-01	6.7E-01	5.8E-08
18	0.07	6.5E-08	2.9E-01	2.0E-03	1.0E-03	6.2E-07	1.6E-01	6.7E-01	6.5E-08
19	0.07	7.3E-08	3.2E-01	2.0E-03	1.0E-03	6.9E-07	1.6E-01	6.7E-01	7.2E-08
20	0.08	8.1E-08	3.6E-01	2.0E-03	1.0E-03	7.6E-07	1.6E-01	6.7E-01	8.0E-08
21	0.09	8.8E-08	3.9E-01	2.0E-03	1.0E-03	8.4E-07	1.6E-01	6.7E-01	8.8E-08
22	0.10	9.6E-08	4.3E-01	2.0E-03	1.0E-03	9.1E-07	1.6E-01	6.7E-01	9.5E-08
23	0.10	1.0E-07	4.6E-01	2.0E-03	1.0E-03	9.7E-07	1.6E-01	6.7E-01	1.0E-07
24	0.11	1.1E-07	4.9E-01	2.0E-03	1.0E-03	1.0E-06	1.6E-01	6.7E-01	1.1E-07
25	0.12	1.2E-07	5.3E-01	2.0E-03	1.0E-03	1.1E-06	1.6E-01	6.7E-01	1.2E-07
26	0.13	1.3E-07	5.7E-01	2.0E-03	1.0E-03	1.2E-06	1.6E-01	6.7E-01	1.3E-07
27	0.14	1.4E-07	6.1E-01	2.0E-03	1.0E-03	1.3E-06	1.6E-01	6.7E-01	1.4E-07
28	0.14	1.4E-07	6.5E-01	2.0E-03	1.0E-03	1.4E-06	1.6E-01	6.7E-01	1.4E-07
29	0.15	1.5E-07	6.7E-01	2.0E-03	1.0E-03	1.4E-06	1.6E-01	6.7E-01	1.5E-07
30	0.15	1.5E-07	6.8E-01	2.0E-03	1.0E-03	1.4E-06	1.6E-01	6.7E-01	1.5E-07
31	0.15	1.5E-07	6.7E-01	2.0E-03	1.0E-03	1.4E-06	1.6E-01	6.7E-01	1.5E-07
32	0.14	1.4E-07	6.5E-01	2.0E-03	1.0E-03	1.4E-06	1.6E-01	6.7E-01	1.4E-07
33	0.07	6.7E-08	3.0E-01	2.0E-03	1.0E-03	6.3E-07	1.6E-01	6.7E-01	6.7E-08
34	0.08	7.6E-08	3.4E-01	2.0E-03	1.0E-03	7.2E-07	1.6E-01	6.7E-01	7.6E-08
35	0.09	8.7E-08	3.9E-01	2.0E-03	1.0E-03	8.2E-07	1.6E-01	6.7E-01	8.6E-08
36	0.10	9.8E-08	4.4E-01	2.0E-03	1.0E-03	9.3E-07	1.6E-01	6.7E-01	9.8E-08
37	0.11	1.1E-07	4.9E-01	2.0E-03	1.0E-03	1.0E-06	1.6E-01	6.7E-01	1.1E-07
38	0.12	1.2E-07	5.4E-01	2.0E-03	1.0E-03	1.1E-06	1.6E-01	6.7E-01	1.2E-07
39	0.13	1.3E-07	5.9E-01	2.0E-03	1.0E-03	1.3E-06	1.6E-01	6.7E-01	1.3E-07
40	0.14	1.4E-07	6.4E-01	2.0E-03	1.0E-03	1.4E-06	1.6E-01	6.7E-01	1.4E-07
41	0.16	1.6E-07	6.9E-01	2.0E-03	1.0E-03	1.5E-06	1.6E-01	6.7E-01	1.5E-07
42	0.17	1.7E-07	7.6E-01	2.0E-03	1.0E-03	1.6E-06	1.6E-01	6.7E-01	1.7E-07
43	0.18	1.8E-07	8.2E-01	2.0E-03	1.0E-03	1.7E-06	1.6E-01	6.7E-01	1.8E-07

Franklin School Project
Risk From Modernization Const - Unmitigated Residential

	7.80	Max					Onsite		
Receptor #	**Total/ Million**	**Total**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
44	0.19	1.9E-07	8.6E-01	2.0E-03	1.0E-03	1.8E-06	1.6E-01	6.7E-01	1.9E-07
45	0.20	2.0E-07	8.8E-01	2.0E-03	1.0E-03	1.9E-06	1.6E-01	6.7E-01	2.0E-07
46	0.19	1.9E-07	8.6E-01	2.0E-03	1.0E-03	1.8E-06	1.6E-01	6.7E-01	1.9E-07
47	0.19	1.9E-07	8.3E-01	2.0E-03	1.0E-03	1.8E-06	1.6E-01	6.7E-01	1.8E-07
48	0.17	1.7E-07	7.8E-01	2.0E-03	1.0E-03	1.6E-06	1.6E-01	6.7E-01	1.7E-07
49	0.08	7.7E-08	3.4E-01	2.0E-03	1.0E-03	7.3E-07	1.6E-01	6.7E-01	7.7E-08
50	0.09	9.0E-08	4.0E-01	2.0E-03	1.0E-03	8.5E-07	1.6E-01	6.7E-01	8.9E-08
51	0.10	1.0E-07	4.7E-01	2.0E-03	1.0E-03	9.9E-07	1.6E-01	6.7E-01	1.0E-07
52	0.12	1.2E-07	5.4E-01	2.0E-03	1.0E-03	1.2E-06	1.6E-01	6.7E-01	1.2E-07
53	0.14	1.4E-07	6.2E-01	2.0E-03	1.0E-03	1.3E-06	1.6E-01	6.7E-01	1.4E-07
54	0.16	1.6E-07	7.1E-01	2.0E-03	1.0E-03	1.5E-06	1.6E-01	6.7E-01	1.6E-07
55	0.18	1.8E-07	7.8E-01	2.0E-03	1.0E-03	1.7E-06	1.6E-01	6.7E-01	1.8E-07
56	0.20	2.0E-07	8.6E-01	2.0E-03	1.0E-03	1.8E-06	1.6E-01	6.7E-01	1.9E-07
57	0.22	2.2E-07	9.6E-01	2.0E-03	1.0E-03	2.0E-06	1.6E-01	6.7E-01	2.1E-07
58	0.24	2.4E-07	1.1E+00	2.0E-03	1.0E-03	2.3E-06	1.6E-01	6.7E-01	2.4E-07
59	0.26	2.6E-07	1.1E+00	2.0E-03	1.0E-03	2.4E-06	1.6E-01	6.7E-01	2.6E-07
60	0.26	2.6E-07	1.2E+00	2.0E-03	1.0E-03	2.5E-06	1.6E-01	6.7E-01	2.6E-07
61	0.26	2.6E-07	1.2E+00	2.0E-03	1.0E-03	2.5E-06	1.6E-01	6.7E-01	2.6E-07
62	0.25	2.5E-07	1.1E+00	2.0E-03	1.0E-03	2.3E-06	1.6E-01	6.7E-01	2.5E-07
63	0.23	2.3E-07	1.0E+00	2.0E-03	1.0E-03	2.2E-06	1.6E-01	6.7E-01	2.3E-07
64	0.20	2.0E-07	9.2E-01	2.0E-03	1.0E-03	1.9E-06	1.6E-01	6.7E-01	2.0E-07
65	0.09	8.9E-08	4.0E-01	2.0E-03	1.0E-03	8.4E-07	1.6E-01	6.7E-01	8.8E-08
66	0.11	1.1E-07	4.7E-01	2.0E-03	1.0E-03	1.0E-06	1.6E-01	6.7E-01	1.1E-07
67	0.13	1.3E-07	5.7E-01	2.0E-03	1.0E-03	1.2E-06	1.6E-01	6.7E-01	1.3E-07
68	0.16	1.6E-07	6.9E-01	2.0E-03	1.0E-03	1.5E-06	1.6E-01	6.7E-01	1.5E-07
69	0.19	1.9E-07	8.3E-01	2.0E-03	1.0E-03	1.8E-06	1.6E-01	6.7E-01	1.8E-07
70	0.22	2.2E-07	9.7E-01	2.0E-03	1.0E-03	2.1E-06	1.6E-01	6.7E-01	2.2E-07
71	0.25	2.5E-07	1.1E+00	2.0E-03	1.0E-03	2.4E-06	1.6E-01	6.7E-01	2.5E-07
72	0.29	2.9E-07	1.3E+00	2.0E-03	1.0E-03	2.7E-06	1.6E-01	6.7E-01	2.8E-07
73	0.32	3.2E-07	1.4E+00	2.0E-03	1.0E-03	3.0E-06	1.6E-01	6.7E-01	3.2E-07
74	0.36	3.6E-07	1.6E+00	2.0E-03	1.0E-03	3.4E-06	1.6E-01	6.7E-01	3.6E-07
75	0.37	3.7E-07	1.7E+00	2.0E-03	1.0E-03	3.5E-06	1.6E-01	6.7E-01	3.7E-07
76	0.36	3.6E-07	1.6E+00	2.0E-03	1.0E-03	3.5E-06	1.6E-01	6.7E-01	3.6E-07
77	0.34	3.4E-07	1.5E+00	2.0E-03	1.0E-03	3.2E-06	1.6E-01	6.7E-01	3.4E-07
78	0.31	3.1E-07	1.4E+00	2.0E-03	1.0E-03	2.9E-06	1.6E-01	6.7E-01	3.1E-07
79	0.27	2.7E-07	1.2E+00	2.0E-03	1.0E-03	2.6E-06	1.6E-01	6.7E-01	2.7E-07
80	0.24	2.4E-07	1.1E+00	2.0E-03	1.0E-03	2.2E-06	1.6E-01	6.7E-01	2.3E-07
81	0.10	1.0E-07	4.5E-01	2.0E-03	1.0E-03	9.6E-07	1.6E-01	6.7E-01	1.0E-07
82	0.13	1.3E-07	5.6E-01	2.0E-03	1.0E-03	1.2E-06	1.6E-01	6.7E-01	1.2E-07
83	0.16	1.6E-07	7.0E-01	2.0E-03	1.0E-03	1.5E-06	1.6E-01	6.7E-01	1.6E-07
84	0.20	2.0E-07	8.9E-01	2.0E-03	1.0E-03	1.9E-06	1.6E-01	6.7E-01	2.0E-07
85	0.25	2.5E-07	1.1E+00	2.0E-03	1.0E-03	2.4E-06	1.6E-01	6.7E-01	2.5E-07
86	0.32	3.2E-07	1.4E+00	2.0E-03	1.0E-03	3.0E-06	1.6E-01	6.7E-01	3.2E-07

Franklin School Project
Risk From Modernization Const - Unmitigated Residential

	7.80	Max					Onsite		
Receptor #	**Total/ Million**	**Total**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
87	0.38	3.8E-07	1.7E+00	2.0E-03	1.0E-03	3.6E-06	1.6E-01	6.7E-01	3.8E-07
88	0.45	4.5E-07	2.0E+00	2.0E-03	1.0E-03	4.3E-06	1.6E-01	6.7E-01	4.5E-07
89	0.53	5.3E-07	2.3E+00	2.0E-03	1.0E-03	5.0E-06	1.6E-01	6.7E-01	5.2E-07
90	0.56	5.6E-07	2.5E+00	2.0E-03	1.0E-03	5.4E-06	1.6E-01	6.7E-01	5.6E-07
91	0.55	5.5E-07	2.5E+00	2.0E-03	1.0E-03	5.2E-06	1.6E-01	6.7E-01	5.5E-07
92	0.50	5.0E-07	2.2E+00	2.0E-03	1.0E-03	4.8E-06	1.6E-01	6.7E-01	5.0E-07
93	0.44	4.4E-07	2.0E+00	2.0E-03	1.0E-03	4.2E-06	1.6E-01	6.7E-01	4.4E-07
94	0.37	3.7E-07	1.7E+00	2.0E-03	1.0E-03	3.5E-06	1.6E-01	6.7E-01	3.7E-07
95	0.31	3.1E-07	1.4E+00	2.0E-03	1.0E-03	3.0E-06	1.6E-01	6.7E-01	3.1E-07
96	0.26	2.6E-07	1.2E+00	2.0E-03	1.0E-03	2.5E-06	1.6E-01	6.7E-01	2.6E-07
97	0.11	1.1E-07	5.1E-01	2.0E-03	1.0E-03	1.1E-06	1.6E-01	6.7E-01	1.1E-07
98	0.15	1.5E-07	6.5E-01	2.0E-03	1.0E-03	1.4E-06	1.6E-01	6.7E-01	1.5E-07
99	0.19	1.9E-07	8.6E-01	2.0E-03	1.0E-03	1.8E-06	1.6E-01	6.7E-01	1.9E-07
100	0.26	2.6E-07	1.2E+00	2.0E-03	1.0E-03	2.5E-06	1.6E-01	6.7E-01	2.6E-07
101	0.36	3.6E-07	1.6E+00	2.0E-03	1.0E-03	3.4E-06	1.6E-01	6.7E-01	3.6E-07
102	0.51	5.1E-07	2.2E+00	2.0E-03	1.0E-03	4.8E-06	1.6E-01	6.7E-01	5.0E-07
103	0.67	6.7E-07	3.0E+00	2.0E-03	1.0E-03	6.3E-06	1.6E-01	6.7E-01	6.6E-07
104	0.85	8.5E-07	3.8E+00	2.0E-03	1.0E-03	8.0E-06	1.6E-01	6.7E-01	8.4E-07
105	0.98	9.8E-07	4.4E+00	2.0E-03	1.0E-03	9.3E-06	1.6E-01	6.7E-01	9.8E-07
106	0.94	9.4E-07	4.2E+00	2.0E-03	1.0E-03	8.9E-06	1.6E-01	6.7E-01	9.4E-07
107	0.81	8.1E-07	3.6E+00	2.0E-03	1.0E-03	7.7E-06	1.6E-01	6.7E-01	8.1E-07
108	0.66	6.6E-07	3.0E+00	2.0E-03	1.0E-03	6.3E-06	1.6E-01	6.7E-01	6.6E-07
109	0.53	5.3E-07	2.4E+00	2.0E-03	1.0E-03	5.1E-06	1.6E-01	6.7E-01	5.3E-07
110	0.42	4.2E-07	1.9E+00	2.0E-03	1.0E-03	4.0E-06	1.6E-01	6.7E-01	4.2E-07
111	0.34	3.4E-07	1.5E+00	2.0E-03	1.0E-03	3.2E-06	1.6E-01	6.7E-01	3.4E-07
112	0.27	2.7E-07	1.2E+00	2.0E-03	1.0E-03	2.6E-06	1.6E-01	6.7E-01	2.7E-07
113	0.13	1.3E-07	5.6E-01	2.0E-03	1.0E-03	1.2E-06	1.6E-01	6.7E-01	1.3E-07
114	0.17	1.7E-07	7.5E-01	2.0E-03	1.0E-03	1.6E-06	1.6E-01	6.7E-01	1.7E-07
115	0.23	2.3E-07	1.0E+00	2.0E-03	1.0E-03	2.2E-06	1.6E-01	6.7E-01	2.3E-07
116	0.34	3.4E-07	1.5E+00	2.0E-03	1.0E-03	3.2E-06	1.6E-01	6.7E-01	3.4E-07
117	0.53	5.3E-07	2.4E+00	2.0E-03	1.0E-03	5.0E-06	1.6E-01	6.7E-01	5.3E-07
118	1.53	1.5E-06	6.8E+00	2.0E-03	1.0E-03	1.5E-05	1.6E-01	6.7E-01	1.5E-06
119	1.11	1.1E-06	5.0E+00	2.0E-03	1.0E-03	1.1E-05	1.6E-01	6.7E-01	1.1E-06
120	0.81	8.1E-07	3.6E+00	2.0E-03	1.0E-03	7.7E-06	1.6E-01	6.7E-01	8.1E-07
121	0.60	6.0E-07	2.7E+00	2.0E-03	1.0E-03	5.7E-06	1.6E-01	6.7E-01	6.0E-07
122	0.45	4.5E-07	2.0E+00	2.0E-03	1.0E-03	4.3E-06	1.6E-01	6.7E-01	4.5E-07
123	0.35	3.5E-07	1.5E+00	2.0E-03	1.0E-03	3.3E-06	1.6E-01	6.7E-01	3.5E-07
124	0.27	2.7E-07	1.2E+00	2.0E-03	1.0E-03	2.6E-06	1.6E-01	6.7E-01	2.7E-07
125	0.14	1.4E-07	6.1E-01	2.0E-03	1.0E-03	1.3E-06	1.6E-01	6.7E-01	1.4E-07
126	0.18	1.8E-07	8.2E-01	2.0E-03	1.0E-03	1.8E-06	1.6E-01	6.7E-01	1.8E-07
127	0.27	2.7E-07	1.2E+00	2.0E-03	1.0E-03	2.5E-06	1.6E-01	6.7E-01	2.6E-07
128	0.42	4.2E-07	1.9E+00	2.0E-03	1.0E-03	4.0E-06	1.6E-01	6.7E-01	4.1E-07
129	0.72	7.2E-07	3.2E+00	2.0E-03	1.0E-03	6.9E-06	1.6E-01	6.7E-01	7.2E-07

Franklin School Project
Risk From Modernization Const - Unmitigated Residential

	7.80	Max							
						Onsite			
Receptor #	**Total/ Million**	**Total**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
130	2.16	2.2E-06	9.6E+00	2.0E-03	1.0E-03	2.1E-05	1.6E-01	6.7E-01	2.2E-06
131	1.33	1.3E-06	5.9E+00	2.0E-03	1.0E-03	1.3E-05	1.6E-01	6.7E-01	1.3E-06
132	0.87	8.7E-07	3.9E+00	2.0E-03	1.0E-03	8.2E-06	1.6E-01	6.7E-01	8.7E-07
133	0.61	6.1E-07	2.7E+00	2.0E-03	1.0E-03	5.8E-06	1.6E-01	6.7E-01	6.1E-07
134	0.44	4.4E-07	2.0E+00	2.0E-03	1.0E-03	4.2E-06	1.6E-01	6.7E-01	4.4E-07
135	0.33	3.3E-07	1.5E+00	2.0E-03	1.0E-03	3.2E-06	1.6E-01	6.7E-01	3.3E-07
136	0.26	2.6E-07	1.1E+00	2.0E-03	1.0E-03	2.4E-06	1.6E-01	6.7E-01	2.6E-07
137	0.14	1.4E-07	6.3E-01	2.0E-03	1.0E-03	1.3E-06	1.6E-01	6.7E-01	1.4E-07
138	0.19	1.9E-07	8.6E-01	2.0E-03	1.0E-03	1.8E-06	1.6E-01	6.7E-01	1.9E-07
139	0.28	2.8E-07	1.3E+00	2.0E-03	1.0E-03	2.7E-06	1.6E-01	6.7E-01	2.8E-07
140	0.46	4.6E-07	2.0E+00	2.0E-03	1.0E-03	4.4E-06	1.6E-01	6.7E-01	4.6E-07
141	0.83	8.3E-07	3.7E+00	2.0E-03	1.0E-03	7.9E-06	1.6E-01	6.7E-01	8.3E-07
142	2.31	2.3E-06	1.0E+01	2.0E-03	1.0E-03	2.2E-05	1.6E-01	6.7E-01	2.3E-06
143	1.29	1.3E-06	5.8E+00	2.0E-03	1.0E-03	1.2E-05	1.6E-01	6.7E-01	1.3E-06
144	0.81	8.1E-07	3.6E+00	2.0E-03	1.0E-03	7.7E-06	1.6E-01	6.7E-01	8.1E-07
145	0.56	5.6E-07	2.5E+00	2.0E-03	1.0E-03	5.4E-06	1.6E-01	6.7E-01	5.6E-07
146	0.40	4.0E-07	1.8E+00	2.0E-03	1.0E-03	3.8E-06	1.6E-01	6.7E-01	4.0E-07
147	0.30	3.0E-07	1.3E+00	2.0E-03	1.0E-03	2.8E-06	1.6E-01	6.7E-01	3.0E-07
148	0.23	2.3E-07	1.0E+00	2.0E-03	1.0E-03	2.2E-06	1.6E-01	6.7E-01	2.3E-07
149	0.14	1.4E-07	6.2E-01	2.0E-03	1.0E-03	1.3E-06	1.6E-01	6.7E-01	1.4E-07
150	0.19	1.9E-07	8.4E-01	2.0E-03	1.0E-03	1.8E-06	1.6E-01	6.7E-01	1.9E-07
151	0.28	2.8E-07	1.2E+00	2.0E-03	1.0E-03	2.6E-06	1.6E-01	6.7E-01	2.8E-07
152	0.44	4.4E-07	2.0E+00	2.0E-03	1.0E-03	4.2E-06	1.6E-01	6.7E-01	4.4E-07
153	0.80	8.0E-07	3.6E+00	2.0E-03	1.0E-03	7.6E-06	1.6E-01	6.7E-01	8.0E-07
154	2.09	2.1E-06	9.4E+00	2.0E-03	1.0E-03	2.0E-05	1.6E-01	6.7E-01	2.1E-06
155	1.09	1.1E-06	4.9E+00	2.0E-03	1.0E-03	1.0E-05	1.6E-01	6.7E-01	1.1E-06
156	0.67	6.7E-07	3.0E+00	2.0E-03	1.0E-03	6.3E-06	1.6E-01	6.7E-01	6.7E-07
157	0.48	4.8E-07	2.1E+00	2.0E-03	1.0E-03	4.5E-06	1.6E-01	6.7E-01	4.8E-07
158	0.34	3.4E-07	1.5E+00	2.0E-03	1.0E-03	3.3E-06	1.6E-01	6.7E-01	3.4E-07
159	0.26	2.6E-07	1.2E+00	2.0E-03	1.0E-03	2.5E-06	1.6E-01	6.7E-01	2.6E-07
160	0.20	2.0E-07	9.1E-01	2.0E-03	1.0E-03	1.9E-06	1.6E-01	6.7E-01	2.0E-07
161	0.13	1.3E-07	5.9E-01	2.0E-03	1.0E-03	1.3E-06	1.6E-01	6.7E-01	1.3E-07
162	0.18	1.8E-07	7.9E-01	2.0E-03	1.0E-03	1.7E-06	1.6E-01	6.7E-01	1.8E-07
163	0.25	2.5E-07	1.1E+00	2.0E-03	1.0E-03	2.4E-06	1.6E-01	6.7E-01	2.5E-07
164	0.38	3.8E-07	1.7E+00	2.0E-03	1.0E-03	3.6E-06	1.6E-01	6.7E-01	3.8E-07
165	0.66	6.6E-07	3.0E+00	2.0E-03	1.0E-03	6.3E-06	1.6E-01	6.7E-01	6.6E-07
166	1.36	1.4E-06	6.1E+00	2.0E-03	1.0E-03	1.3E-05	1.6E-01	6.7E-01	1.4E-06
167	3.44	3.4E-06	1.5E+01	2.0E-03	1.0E-03	3.3E-05	1.6E-01	6.7E-01	3.4E-06
168	5.22	5.2E-06	2.3E+01	2.0E-03	1.0E-03	5.0E-05	1.6E-01	6.7E-01	5.2E-06
169	2.75	2.7E-06	1.2E+01	2.0E-03	1.0E-03	2.6E-05	1.6E-01	6.7E-01	2.7E-06
170	1.43	1.4E-06	6.4E+00	2.0E-03	1.0E-03	1.4E-05	1.6E-01	6.7E-01	1.4E-06
171	0.85	8.5E-07	3.8E+00	2.0E-03	1.0E-03	8.1E-06	1.6E-01	6.7E-01	8.5E-07
172	0.52	5.2E-07	2.3E+00	2.0E-03	1.0E-03	5.0E-06	1.6E-01	6.7E-01	5.2E-07

Franklin School Project
Risk From Modernization Const - Unmitigated Residential

	7.80	Max							
						Onsite			
Receptor #	**Total/ Million**	**Total**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
173	0.37	3.7E-07	1.7E+00	2.0E-03	1.0E-03	3.5E-06	1.6E-01	6.7E-01	3.7E-07
174	0.29	2.9E-07	1.3E+00	2.0E-03	1.0E-03	2.8E-06	1.6E-01	6.7E-01	2.9E-07
175	0.22	2.2E-07	1.0E+00	2.0E-03	1.0E-03	2.1E-06	1.6E-01	6.7E-01	2.2E-07
176	0.18	1.8E-07	7.9E-01	2.0E-03	1.0E-03	1.7E-06	1.6E-01	6.7E-01	1.8E-07
177	0.12	1.2E-07	5.4E-01	2.0E-03	1.0E-03	1.2E-06	1.6E-01	6.7E-01	1.2E-07
178	0.16	1.6E-07	7.1E-01	2.0E-03	1.0E-03	1.5E-06	1.6E-01	6.7E-01	1.6E-07
179	0.22	2.2E-07	9.6E-01	2.0E-03	1.0E-03	2.0E-06	1.6E-01	6.7E-01	2.2E-07
180	0.31	3.1E-07	1.4E+00	2.0E-03	1.0E-03	3.0E-06	1.6E-01	6.7E-01	3.1E-07
181	0.49	4.9E-07	2.2E+00	2.0E-03	1.0E-03	4.7E-06	1.6E-01	6.7E-01	4.9E-07
182	0.82	8.2E-07	3.7E+00	2.0E-03	1.0E-03	7.8E-06	1.6E-01	6.7E-01	8.2E-07
183	1.34	1.3E-06	6.0E+00	2.0E-03	1.0E-03	1.3E-05	1.6E-01	6.7E-01	1.3E-06
184	1.68	1.7E-06	7.5E+00	2.0E-03	1.0E-03	1.6E-05	1.6E-01	6.7E-01	1.7E-06
185	1.40	1.4E-06	6.3E+00	2.0E-03	1.0E-03	1.3E-05	1.6E-01	6.7E-01	1.4E-06
186	0.95	9.5E-07	4.2E+00	2.0E-03	1.0E-03	9.0E-06	1.6E-01	6.7E-01	9.5E-07
187	0.64	6.4E-07	2.9E+00	2.0E-03	1.0E-03	6.1E-06	1.6E-01	6.7E-01	6.4E-07
188	0.45	4.5E-07	2.0E+00	2.0E-03	1.0E-03	4.3E-06	1.6E-01	6.7E-01	4.5E-07
189	0.31	3.1E-07	1.4E+00	2.0E-03	1.0E-03	2.9E-06	1.6E-01	6.7E-01	3.1E-07
190	0.25	2.5E-07	1.1E+00	2.0E-03	1.0E-03	2.3E-06	1.6E-01	6.7E-01	2.5E-07
191	0.20	2.0E-07	8.7E-01	2.0E-03	1.0E-03	1.9E-06	1.6E-01	6.7E-01	2.0E-07
192	0.16	1.6E-07	7.0E-01	2.0E-03	1.0E-03	1.5E-06	1.6E-01	6.7E-01	1.6E-07
193	0.11	1.1E-07	4.9E-01	2.0E-03	1.0E-03	1.0E-06	1.6E-01	6.7E-01	1.1E-07
194	0.14	1.4E-07	6.2E-01	2.0E-03	1.0E-03	1.3E-06	1.6E-01	6.7E-01	1.4E-07
195	0.18	1.8E-07	8.2E-01	2.0E-03	1.0E-03	1.7E-06	1.6E-01	6.7E-01	1.8E-07
196	0.25	2.5E-07	1.1E+00	2.0E-03	1.0E-03	2.4E-06	1.6E-01	6.7E-01	2.5E-07
197	0.36	3.6E-07	1.6E+00	2.0E-03	1.0E-03	3.4E-06	1.6E-01	6.7E-01	3.6E-07
198	0.52	5.2E-07	2.3E+00	2.0E-03	1.0E-03	4.9E-06	1.6E-01	6.7E-01	5.2E-07
199	0.71	7.1E-07	3.2E+00	2.0E-03	1.0E-03	6.8E-06	1.6E-01	6.7E-01	7.1E-07
200	0.84	8.4E-07	3.8E+00	2.0E-03	1.0E-03	8.0E-06	1.6E-01	6.7E-01	8.4E-07
201	0.80	8.0E-07	3.6E+00	2.0E-03	1.0E-03	7.6E-06	1.6E-01	6.7E-01	8.0E-07
202	0.63	6.3E-07	2.8E+00	2.0E-03	1.0E-03	6.0E-06	1.6E-01	6.7E-01	6.3E-07
203	0.46	4.6E-07	2.1E+00	2.0E-03	1.0E-03	4.4E-06	1.6E-01	6.7E-01	4.6E-07
204	0.35	3.5E-07	1.6E+00	2.0E-03	1.0E-03	3.3E-06	1.6E-01	6.7E-01	3.5E-07
205	0.27	2.7E-07	1.2E+00	2.0E-03	1.0E-03	2.5E-06	1.6E-01	6.7E-01	2.7E-07
206	0.20	2.0E-07	9.0E-01	2.0E-03	1.0E-03	1.9E-06	1.6E-01	6.7E-01	2.0E-07
207	0.17	1.7E-07	7.7E-01	2.0E-03	1.0E-03	1.6E-06	1.6E-01	6.7E-01	1.7E-07
208	0.14	1.4E-07	6.3E-01	2.0E-03	1.0E-03	1.3E-06	1.6E-01	6.7E-01	1.4E-07
209	0.10	9.8E-08	4.4E-01	2.0E-03	1.0E-03	9.3E-07	1.6E-01	6.7E-01	9.8E-08
210	0.12	1.2E-07	5.4E-01	2.0E-03	1.0E-03	1.2E-06	1.6E-01	6.7E-01	1.2E-07
211	0.15	1.5E-07	6.9E-01	2.0E-03	1.0E-03	1.5E-06	1.6E-01	6.7E-01	1.5E-07
212	0.20	2.0E-07	9.0E-01	2.0E-03	1.0E-03	1.9E-06	1.6E-01	6.7E-01	2.0E-07
213	0.27	2.7E-07	1.2E+00	2.0E-03	1.0E-03	2.5E-06	1.6E-01	6.7E-01	2.7E-07
214	0.36	3.6E-07	1.6E+00	2.0E-03	1.0E-03	3.4E-06	1.6E-01	6.7E-01	3.6E-07
215	0.45	4.5E-07	2.0E+00	2.0E-03	1.0E-03	4.3E-06	1.6E-01	6.7E-01	4.5E-07

Franklin School Project
Risk From Modernization Const - Unmitigated Residential

	7.80	Max					Onsite		
Receptor #	**Total/ Million**	**Total**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
216	0.51	5.1E-07	2.3E+00	2.0E-03	1.0E-03	4.8E-06	1.6E-01	6.7E-01	5.1E-07
217	0.51	5.1E-07	2.3E+00	2.0E-03	1.0E-03	4.8E-06	1.6E-01	6.7E-01	5.0E-07
218	0.44	4.4E-07	2.0E+00	2.0E-03	1.0E-03	4.2E-06	1.6E-01	6.7E-01	4.4E-07
219	0.37	3.7E-07	1.7E+00	2.0E-03	1.0E-03	3.5E-06	1.6E-01	6.7E-01	3.7E-07
220	0.30	3.0E-07	1.4E+00	2.0E-03	1.0E-03	2.9E-06	1.6E-01	6.7E-01	3.0E-07
221	0.24	2.4E-07	1.1E+00	2.0E-03	1.0E-03	2.3E-06	1.6E-01	6.7E-01	2.4E-07
222	0.18	1.8E-07	8.0E-01	2.0E-03	1.0E-03	1.7E-06	1.6E-01	6.7E-01	1.8E-07
223	0.14	1.4E-07	6.5E-01	2.0E-03	1.0E-03	1.4E-06	1.6E-01	6.7E-01	1.4E-07
224	0.13	1.3E-07	5.7E-01	2.0E-03	1.0E-03	1.2E-06	1.6E-01	6.7E-01	1.3E-07
225	0.09	8.7E-08	3.9E-01	2.0E-03	1.0E-03	8.2E-07	1.6E-01	6.7E-01	8.7E-08
226	0.11	1.1E-07	4.7E-01	2.0E-03	1.0E-03	1.0E-06	1.6E-01	6.7E-01	1.0E-07
227	0.13	1.3E-07	5.8E-01	2.0E-03	1.0E-03	1.2E-06	1.6E-01	6.7E-01	1.3E-07
228	0.16	1.6E-07	7.3E-01	2.0E-03	1.0E-03	1.5E-06	1.6E-01	6.7E-01	1.6E-07
229	0.21	2.1E-07	9.2E-01	2.0E-03	1.0E-03	2.0E-06	1.6E-01	6.7E-01	2.1E-07
230	0.26	2.6E-07	1.2E+00	2.0E-03	1.0E-03	2.4E-06	1.6E-01	6.7E-01	2.6E-07
231	0.31	3.1E-07	1.4E+00	2.0E-03	1.0E-03	2.9E-06	1.6E-01	6.7E-01	3.1E-07
232	0.34	3.4E-07	1.5E+00	2.0E-03	1.0E-03	3.3E-06	1.6E-01	6.7E-01	3.4E-07
233	0.35	3.5E-07	1.6E+00	2.0E-03	1.0E-03	3.3E-06	1.6E-01	6.7E-01	3.5E-07
234	0.33	3.3E-07	1.5E+00	2.0E-03	1.0E-03	3.1E-06	1.6E-01	6.7E-01	3.3E-07
235	0.29	2.9E-07	1.3E+00	2.0E-03	1.0E-03	2.8E-06	1.6E-01	6.7E-01	2.9E-07
236	0.25	2.5E-07	1.1E+00	2.0E-03	1.0E-03	2.4E-06	1.6E-01	6.7E-01	2.5E-07
237	0.21	2.1E-07	9.2E-01	2.0E-03	1.0E-03	2.0E-06	1.6E-01	6.7E-01	2.1E-07
238	0.17	1.7E-07	7.6E-01	2.0E-03	1.0E-03	1.6E-06	1.6E-01	6.7E-01	1.7E-07
239	0.13	1.3E-07	5.8E-01	2.0E-03	1.0E-03	1.2E-06	1.6E-01	6.7E-01	1.3E-07
240	0.11	1.1E-07	4.9E-01	2.0E-03	1.0E-03	1.0E-06	1.6E-01	6.7E-01	1.1E-07
241	0.08	7.6E-08	3.4E-01	2.0E-03	1.0E-03	7.2E-07	1.6E-01	6.7E-01	7.6E-08
242	0.09	9.0E-08	4.0E-01	2.0E-03	1.0E-03	8.6E-07	1.6E-01	6.7E-01	9.0E-08
243	0.11	1.1E-07	4.9E-01	2.0E-03	1.0E-03	1.0E-06	1.6E-01	6.7E-01	1.1E-07
244	0.13	1.3E-07	5.9E-01	2.0E-03	1.0E-03	1.3E-06	1.6E-01	6.7E-01	1.3E-07
245	0.16	1.6E-07	7.2E-01	2.0E-03	1.0E-03	1.5E-06	1.6E-01	6.7E-01	1.6E-07
246	0.19	1.9E-07	8.7E-01	2.0E-03	1.0E-03	1.9E-06	1.6E-01	6.7E-01	1.9E-07
247	0.23	2.3E-07	1.0E+00	2.0E-03	1.0E-03	2.1E-06	1.6E-01	6.7E-01	2.3E-07
248	0.25	2.5E-07	1.1E+00	2.0E-03	1.0E-03	2.4E-06	1.6E-01	6.7E-01	2.5E-07
249	0.26	2.6E-07	1.1E+00	2.0E-03	1.0E-03	2.4E-06	1.6E-01	6.7E-01	2.6E-07
250	0.25	2.5E-07	1.1E+00	2.0E-03	1.0E-03	2.4E-06	1.6E-01	6.7E-01	2.5E-07
251	0.23	2.3E-07	1.0E+00	2.0E-03	1.0E-03	2.2E-06	1.6E-01	6.7E-01	2.3E-07
252	0.20	2.0E-07	9.0E-01	2.0E-03	1.0E-03	1.9E-06	1.6E-01	6.7E-01	2.0E-07
253	0.18	1.8E-07	7.8E-01	2.0E-03	1.0E-03	1.7E-06	1.6E-01	6.7E-01	1.8E-07
254	0.15	1.5E-07	6.7E-01	2.0E-03	1.0E-03	1.4E-06	1.6E-01	6.7E-01	1.5E-07
255	0.12	1.2E-07	5.6E-01	2.0E-03	1.0E-03	1.2E-06	1.6E-01	6.7E-01	1.2E-07
256	0.10	9.9E-08	4.4E-01	2.0E-03	1.0E-03	9.4E-07	1.6E-01	6.7E-01	9.9E-08
257	0.07	6.7E-08	3.0E-01	2.0E-03	1.0E-03	6.4E-07	1.6E-01	6.7E-01	6.7E-08
258	0.08	7.8E-08	3.5E-01	2.0E-03	1.0E-03	7.4E-07	1.6E-01	6.7E-01	7.8E-08

Franklin School Project
Risk From Modernization Const - Unmitigated Residential

	7.80	Max							
						Onsite			
Receptor #	**Total/ Million**	**Total**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
259	0.09	9.3E-08	4.1E-01	2.0E-03	1.0E-03	8.8E-07	1.6E-01	6.7E-01	9.3E-08
260	0.11	1.1E-07	4.9E-01	2.0E-03	1.0E-03	1.0E-06	1.6E-01	6.7E-01	1.1E-07
261	0.13	1.3E-07	5.8E-01	2.0E-03	1.0E-03	1.2E-06	1.6E-01	6.7E-01	1.3E-07
262	0.15	1.5E-07	6.8E-01	2.0E-03	1.0E-03	1.5E-06	1.6E-01	6.7E-01	1.5E-07
263	0.17	1.7E-07	7.7E-01	2.0E-03	1.0E-03	1.6E-06	1.6E-01	6.7E-01	1.7E-07
264	0.19	1.9E-07	8.4E-01	2.0E-03	1.0E-03	1.8E-06	1.6E-01	6.7E-01	1.9E-07
265	0.19	1.9E-07	8.7E-01	2.0E-03	1.0E-03	1.8E-06	1.6E-01	6.7E-01	1.9E-07
266	0.19	1.9E-07	8.6E-01	2.0E-03	1.0E-03	1.8E-06	1.6E-01	6.7E-01	1.9E-07
267	0.18	1.8E-07	8.1E-01	2.0E-03	1.0E-03	1.7E-06	1.6E-01	6.7E-01	1.8E-07
268	0.17	1.7E-07	7.4E-01	2.0E-03	1.0E-03	1.6E-06	1.6E-01	6.7E-01	1.7E-07
269	0.15	1.5E-07	6.6E-01	2.0E-03	1.0E-03	1.4E-06	1.6E-01	6.7E-01	1.5E-07
270	0.13	1.3E-07	5.8E-01	2.0E-03	1.0E-03	1.2E-06	1.6E-01	6.7E-01	1.3E-07
271	0.11	1.1E-07	5.0E-01	2.0E-03	1.0E-03	1.1E-06	1.6E-01	6.7E-01	1.1E-07
272	0.09	9.1E-08	4.1E-01	2.0E-03	1.0E-03	8.7E-07	1.6E-01	6.7E-01	9.1E-08
273	0.51	5.1E-07	2.2E+00	2.0E-03	1.0E-03	4.8E-06	1.6E-01	6.7E-01	5.0E-07
274	0.54	5.4E-07	2.4E+00	2.0E-03	1.0E-03	5.1E-06	1.6E-01	6.7E-01	5.3E-07
275	0.57	5.7E-07	2.5E+00	2.0E-03	1.0E-03	5.4E-06	1.6E-01	6.7E-01	5.6E-07
276	0.60	6.0E-07	2.7E+00	2.0E-03	1.0E-03	5.7E-06	1.6E-01	6.7E-01	6.0E-07
277	0.64	6.4E-07	2.8E+00	2.0E-03	1.0E-03	6.0E-06	1.6E-01	6.7E-01	6.3E-07
278	0.67	6.7E-07	3.0E+00	2.0E-03	1.0E-03	6.3E-06	1.6E-01	6.7E-01	6.6E-07
279	0.70	7.0E-07	3.1E+00	2.0E-03	1.0E-03	6.6E-06	1.6E-01	6.7E-01	7.0E-07
280	0.74	7.4E-07	3.3E+00	2.0E-03	1.0E-03	6.9E-06	1.6E-01	6.7E-01	7.3E-07
281	0.78	7.8E-07	3.4E+00	2.0E-03	1.0E-03	7.3E-06	1.6E-01	6.7E-01	7.6E-07
282	0.81	8.1E-07	3.6E+00	2.0E-03	1.0E-03	7.6E-06	1.6E-01	6.7E-01	8.0E-07
283	0.85	8.5E-07	3.8E+00	2.0E-03	1.0E-03	8.0E-06	1.6E-01	6.7E-01	8.4E-07
284	0.88	8.8E-07	3.9E+00	2.0E-03	1.0E-03	8.3E-06	1.6E-01	6.7E-01	8.8E-07
285	0.92	9.2E-07	4.1E+00	2.0E-03	1.0E-03	8.7E-06	1.6E-01	6.7E-01	9.1E-07
286	0.94	9.4E-07	4.2E+00	2.0E-03	1.0E-03	8.9E-06	1.6E-01	6.7E-01	9.4E-07
287	0.96	9.6E-07	4.3E+00	2.0E-03	1.0E-03	9.1E-06	1.6E-01	6.7E-01	9.6E-07
288	0.98	9.8E-07	4.4E+00	2.0E-03	1.0E-03	9.3E-06	1.6E-01	6.7E-01	9.8E-07
289	0.98	9.8E-07	4.4E+00	2.0E-03	1.0E-03	9.3E-06	1.6E-01	6.7E-01	9.8E-07
290	0.98	9.8E-07	4.4E+00	2.0E-03	1.0E-03	9.3E-06	1.6E-01	6.7E-01	9.8E-07
291	0.97	9.7E-07	4.3E+00	2.0E-03	1.0E-03	9.2E-06	1.6E-01	6.7E-01	9.7E-07
292	0.96	9.6E-07	4.3E+00	2.0E-03	1.0E-03	9.1E-06	1.6E-01	6.7E-01	9.6E-07
293	0.94	9.4E-07	4.2E+00	2.0E-03	1.0E-03	8.9E-06	1.6E-01	6.7E-01	9.4E-07
294	0.92	9.2E-07	4.1E+00	2.0E-03	1.0E-03	8.7E-06	1.6E-01	6.7E-01	9.1E-07
295	0.89	8.9E-07	4.0E+00	2.0E-03	1.0E-03	8.5E-06	1.6E-01	6.7E-01	8.9E-07
296	0.87	8.7E-07	3.9E+00	2.0E-03	1.0E-03	8.2E-06	1.6E-01	6.7E-01	8.6E-07
297	0.84	8.4E-07	3.7E+00	2.0E-03	1.0E-03	8.0E-06	1.6E-01	6.7E-01	8.4E-07
298	0.81	8.1E-07	3.6E+00	2.0E-03	1.0E-03	7.7E-06	1.6E-01	6.7E-01	8.1E-07
299	0.56	5.6E-07	2.5E+00	2.0E-03	1.0E-03	5.3E-06	1.6E-01	6.7E-01	5.6E-07
300	0.60	6.0E-07	2.7E+00	2.0E-03	1.0E-03	5.7E-06	1.6E-01	6.7E-01	5.9E-07
301	0.64	6.4E-07	2.8E+00	2.0E-03	1.0E-03	6.0E-06	1.6E-01	6.7E-01	6.3E-07

Franklin School Project
Risk From Modernization Const - Unmitigated Residential

	7.80	Max							
						Onsite			
Receptor #	**Total/ Million**	**Total**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
302	0.68	6.8E-07	3.0E+00	2.0E-03	1.0E-03	6.4E-06	1.6E-01	6.7E-01	6.7E-07
303	0.72	7.2E-07	3.2E+00	2.0E-03	1.0E-03	6.8E-06	1.6E-01	6.7E-01	7.2E-07
304	0.76	7.6E-07	3.4E+00	2.0E-03	1.0E-03	7.2E-06	1.6E-01	6.7E-01	7.6E-07
305	0.81	8.1E-07	3.6E+00	2.0E-03	1.0E-03	7.6E-06	1.6E-01	6.7E-01	8.0E-07
306	0.85	8.5E-07	3.8E+00	2.0E-03	1.0E-03	8.0E-06	1.6E-01	6.7E-01	8.4E-07
307	0.90	9.0E-07	4.0E+00	2.0E-03	1.0E-03	8.4E-06	1.6E-01	6.7E-01	8.9E-07
308	0.94	9.4E-07	4.2E+00	2.0E-03	1.0E-03	8.9E-06	1.6E-01	6.7E-01	9.3E-07
309	0.99	9.9E-07	4.4E+00	2.0E-03	1.0E-03	9.3E-06	1.6E-01	6.7E-01	9.8E-07
310	1.03	1.0E-06	4.6E+00	2.0E-03	1.0E-03	9.7E-06	1.6E-01	6.7E-01	1.0E-06
311	1.07	1.1E-06	4.8E+00	2.0E-03	1.0E-03	1.0E-05	1.6E-01	6.7E-01	1.1E-06
312	1.10	1.1E-06	4.9E+00	2.0E-03	1.0E-03	1.0E-05	1.6E-01	6.7E-01	1.1E-06
313	1.12	1.1E-06	5.0E+00	2.0E-03	1.0E-03	1.1E-05	1.6E-01	6.7E-01	1.1E-06
314	1.13	1.1E-06	5.0E+00	2.0E-03	1.0E-03	1.1E-05	1.6E-01	6.7E-01	1.1E-06
315	1.12	1.1E-06	5.0E+00	2.0E-03	1.0E-03	1.1E-05	1.6E-01	6.7E-01	1.1E-06
316	1.11	1.1E-06	5.0E+00	2.0E-03	1.0E-03	1.1E-05	1.6E-01	6.7E-01	1.1E-06
317	1.10	1.1E-06	4.9E+00	2.0E-03	1.0E-03	1.0E-05	1.6E-01	6.7E-01	1.1E-06
318	1.07	1.1E-06	4.8E+00	2.0E-03	1.0E-03	1.0E-05	1.6E-01	6.7E-01	1.1E-06
319	1.04	1.0E-06	4.6E+00	2.0E-03	1.0E-03	9.9E-06	1.6E-01	6.7E-01	1.0E-06
320	1.01	1.0E-06	4.5E+00	2.0E-03	1.0E-03	9.6E-06	1.6E-01	6.7E-01	1.0E-06
321	0.98	9.8E-07	4.4E+00	2.0E-03	1.0E-03	9.3E-06	1.6E-01	6.7E-01	9.7E-07
322	0.94	9.4E-07	4.2E+00	2.0E-03	1.0E-03	8.9E-06	1.6E-01	6.7E-01	9.4E-07
323	0.90	9.0E-07	4.0E+00	2.0E-03	1.0E-03	8.6E-06	1.6E-01	6.7E-01	9.0E-07
324	0.87	8.7E-07	3.9E+00	2.0E-03	1.0E-03	8.3E-06	1.6E-01	6.7E-01	8.7E-07
325	0.63	6.3E-07	2.8E+00	2.0E-03	1.0E-03	5.9E-06	1.6E-01	6.7E-01	6.2E-07
326	0.68	6.8E-07	3.0E+00	2.0E-03	1.0E-03	6.4E-06	1.6E-01	6.7E-01	6.7E-07
327	0.73	7.3E-07	3.2E+00	2.0E-03	1.0E-03	6.8E-06	1.6E-01	6.7E-01	7.2E-07
328	0.78	7.8E-07	3.4E+00	2.0E-03	1.0E-03	7.3E-06	1.6E-01	6.7E-01	7.7E-07
329	0.83	8.3E-07	3.7E+00	2.0E-03	1.0E-03	7.9E-06	1.6E-01	6.7E-01	8.3E-07
330	0.88	8.8E-07	3.9E+00	2.0E-03	1.0E-03	8.4E-06	1.6E-01	6.7E-01	8.8E-07
331	0.94	9.4E-07	4.2E+00	2.0E-03	1.0E-03	8.9E-06	1.6E-01	6.7E-01	9.3E-07
332	0.99	9.9E-07	4.4E+00	2.0E-03	1.0E-03	9.4E-06	1.6E-01	6.7E-01	9.9E-07
333	1.05	1.0E-06	4.7E+00	2.0E-03	1.0E-03	9.9E-06	1.6E-01	6.7E-01	1.0E-06
334	1.11	1.1E-06	4.9E+00	2.0E-03	1.0E-03	1.0E-05	1.6E-01	6.7E-01	1.1E-06
335	1.16	1.2E-06	5.2E+00	2.0E-03	1.0E-03	1.1E-05	1.6E-01	6.7E-01	1.2E-06
336	1.22	1.2E-06	5.4E+00	2.0E-03	1.0E-03	1.2E-05	1.6E-01	6.7E-01	1.2E-06
337	1.26	1.3E-06	5.6E+00	2.0E-03	1.0E-03	1.2E-05	1.6E-01	6.7E-01	1.3E-06
338	1.29	1.3E-06	5.7E+00	2.0E-03	1.0E-03	1.2E-05	1.6E-01	6.7E-01	1.3E-06
339	1.30	1.3E-06	5.8E+00	2.0E-03	1.0E-03	1.2E-05	1.6E-01	6.7E-01	1.3E-06
340	1.30	1.3E-06	5.8E+00	2.0E-03	1.0E-03	1.2E-05	1.6E-01	6.7E-01	1.3E-06
341	1.29	1.3E-06	5.7E+00	2.0E-03	1.0E-03	1.2E-05	1.6E-01	6.7E-01	1.3E-06
342	1.26	1.3E-06	5.6E+00	2.0E-03	1.0E-03	1.2E-05	1.6E-01	6.7E-01	1.3E-06
343	1.23	1.2E-06	5.5E+00	2.0E-03	1.0E-03	1.2E-05	1.6E-01	6.7E-01	1.2E-06
344	1.19	1.2E-06	5.3E+00	2.0E-03	1.0E-03	1.1E-05	1.6E-01	6.7E-01	1.2E-06

Franklin School Project
Risk From Modernization Const - Unmitigated Residential

	7.80	Max					Onsite		
Receptor #	**Total/ Million**	**Total**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
345	1.15	1.2E-06	5.1E+00	2.0E-03	1.0E-03	1.1E-05	1.6E-01	6.7E-01	1.1E-06
346	1.11	1.1E-06	4.9E+00	2.0E-03	1.0E-03	1.1E-05	1.6E-01	6.7E-01	1.1E-06
347	1.06	1.1E-06	4.8E+00	2.0E-03	1.0E-03	1.0E-05	1.6E-01	6.7E-01	1.1E-06
348	1.02	1.0E-06	4.6E+00	2.0E-03	1.0E-03	9.7E-06	1.6E-01	6.7E-01	1.0E-06
349	0.97	9.7E-07	4.4E+00	2.0E-03	1.0E-03	9.3E-06	1.6E-01	6.7E-01	9.7E-07
350	0.93	9.3E-07	4.2E+00	2.0E-03	1.0E-03	8.8E-06	1.6E-01	6.7E-01	9.3E-07
351	0.70	7.0E-07	3.1E+00	2.0E-03	1.0E-03	6.6E-06	1.6E-01	6.7E-01	7.0E-07
352	0.76	7.6E-07	3.4E+00	2.0E-03	1.0E-03	7.2E-06	1.6E-01	6.7E-01	7.6E-07
353	0.83	8.3E-07	3.7E+00	2.0E-03	1.0E-03	7.8E-06	1.6E-01	6.7E-01	8.2E-07
354	0.90	9.0E-07	4.0E+00	2.0E-03	1.0E-03	8.5E-06	1.6E-01	6.7E-01	8.9E-07
355	0.96	9.6E-07	4.3E+00	2.0E-03	1.0E-03	9.1E-06	1.6E-01	6.7E-01	9.6E-07
356	1.03	1.0E-06	4.6E+00	2.0E-03	1.0E-03	9.8E-06	1.6E-01	6.7E-01	1.0E-06
357	1.10	1.1E-06	4.9E+00	2.0E-03	1.0E-03	1.0E-05	1.6E-01	6.7E-01	1.1E-06
358	1.18	1.2E-06	5.2E+00	2.0E-03	1.0E-03	1.1E-05	1.6E-01	6.7E-01	1.2E-06
359	1.25	1.3E-06	5.6E+00	2.0E-03	1.0E-03	1.2E-05	1.6E-01	6.7E-01	1.2E-06
360	1.33	1.3E-06	5.9E+00	2.0E-03	1.0E-03	1.3E-05	1.6E-01	6.7E-01	1.3E-06
361	1.40	1.4E-06	6.2E+00	2.0E-03	1.0E-03	1.3E-05	1.6E-01	6.7E-01	1.4E-06
362	1.46	1.5E-06	6.5E+00	2.0E-03	1.0E-03	1.4E-05	1.6E-01	6.7E-01	1.5E-06
363	1.50	1.5E-06	6.7E+00	2.0E-03	1.0E-03	1.4E-05	1.6E-01	6.7E-01	1.5E-06
364	1.52	1.5E-06	6.8E+00	2.0E-03	1.0E-03	1.4E-05	1.6E-01	6.7E-01	1.5E-06
365	1.52	1.5E-06	6.8E+00	2.0E-03	1.0E-03	1.4E-05	1.6E-01	6.7E-01	1.5E-06
366	1.51	1.5E-06	6.7E+00	2.0E-03	1.0E-03	1.4E-05	1.6E-01	6.7E-01	1.5E-06
367	1.48	1.5E-06	6.6E+00	2.0E-03	1.0E-03	1.4E-05	1.6E-01	6.7E-01	1.5E-06
368	1.43	1.4E-06	6.4E+00	2.0E-03	1.0E-03	1.4E-05	1.6E-01	6.7E-01	1.4E-06
369	1.38	1.4E-06	6.2E+00	2.0E-03	1.0E-03	1.3E-05	1.6E-01	6.7E-01	1.4E-06
370	1.33	1.3E-06	5.9E+00	2.0E-03	1.0E-03	1.3E-05	1.6E-01	6.7E-01	1.3E-06
371	1.27	1.3E-06	5.7E+00	2.0E-03	1.0E-03	1.2E-05	1.6E-01	6.7E-01	1.3E-06
372	1.21	1.2E-06	5.4E+00	2.0E-03	1.0E-03	1.2E-05	1.6E-01	6.7E-01	1.2E-06
373	1.16	1.2E-06	5.2E+00	2.0E-03	1.0E-03	1.1E-05	1.6E-01	6.7E-01	1.2E-06
374	1.10	1.1E-06	4.9E+00	2.0E-03	1.0E-03	1.0E-05	1.6E-01	6.7E-01	1.1E-06
375	1.05	1.0E-06	4.7E+00	2.0E-03	1.0E-03	9.9E-06	1.6E-01	6.7E-01	1.0E-06
376	0.99	9.9E-07	4.4E+00	2.0E-03	1.0E-03	9.4E-06	1.6E-01	6.7E-01	9.9E-07
377	0.79	7.9E-07	3.5E+00	2.0E-03	1.0E-03	7.5E-06	1.6E-01	6.7E-01	7.9E-07
378	0.87	8.7E-07	3.9E+00	2.0E-03	1.0E-03	8.2E-06	1.6E-01	6.7E-01	8.6E-07
379	0.96	9.6E-07	4.2E+00	2.0E-03	1.0E-03	9.0E-06	1.6E-01	6.7E-01	9.5E-07
380	1.04	1.0E-06	4.6E+00	2.0E-03	1.0E-03	9.9E-06	1.6E-01	6.7E-01	1.0E-06
381	1.14	1.1E-06	5.1E+00	2.0E-03	1.0E-03	1.1E-05	1.6E-01	6.7E-01	1.1E-06
382	1.69	1.7E-06	7.6E+00	2.0E-03	1.0E-03	1.6E-05	1.6E-01	6.7E-01	1.7E-06
383	1.63	1.6E-06	7.3E+00	2.0E-03	1.0E-03	1.5E-05	1.6E-01	6.7E-01	1.6E-06
384	1.55	1.6E-06	6.9E+00	2.0E-03	1.0E-03	1.5E-05	1.6E-01	6.7E-01	1.5E-06
385	1.47	1.5E-06	6.6E+00	2.0E-03	1.0E-03	1.4E-05	1.6E-01	6.7E-01	1.5E-06
386	1.40	1.4E-06	6.2E+00	2.0E-03	1.0E-03	1.3E-05	1.6E-01	6.7E-01	1.4E-06
387	1.32	1.3E-06	5.9E+00	2.0E-03	1.0E-03	1.3E-05	1.6E-01	6.7E-01	1.3E-06

Franklin School Project
Risk From Modernization Const - Unmitigated Residential

	7.80	Max					Onsite		
Receptor #	**Total/ Million**	**Total**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
388	1.25	1.3E-06	5.6E+00	2.0E-03	1.0E-03	1.2E-05	1.6E-01	6.7E-01	1.3E-06
389	1.18	1.2E-06	5.3E+00	2.0E-03	1.0E-03	1.1E-05	1.6E-01	6.7E-01	1.2E-06
390	1.12	1.1E-06	5.0E+00	2.0E-03	1.0E-03	1.1E-05	1.6E-01	6.7E-01	1.1E-06
391	1.05	1.1E-06	4.7E+00	2.0E-03	1.0E-03	1.0E-05	1.6E-01	6.7E-01	1.1E-06
392	0.89	8.9E-07	4.0E+00	2.0E-03	1.0E-03	8.4E-06	1.6E-01	6.7E-01	8.9E-07
393	0.99	9.9E-07	4.4E+00	2.0E-03	1.0E-03	9.4E-06	1.6E-01	6.7E-01	9.9E-07
394	1.11	1.1E-06	4.9E+00	2.0E-03	1.0E-03	1.0E-05	1.6E-01	6.7E-01	1.1E-06
395	1.23	1.2E-06	5.5E+00	2.0E-03	1.0E-03	1.2E-05	1.6E-01	6.7E-01	1.2E-06
396	1.36	1.4E-06	6.1E+00	2.0E-03	1.0E-03	1.3E-05	1.6E-01	6.7E-01	1.4E-06
397	1.94	1.9E-06	8.7E+00	2.0E-03	1.0E-03	1.8E-05	1.6E-01	6.7E-01	1.9E-06
398	1.84	1.8E-06	8.2E+00	2.0E-03	1.0E-03	1.7E-05	1.6E-01	6.7E-01	1.8E-06
399	1.73	1.7E-06	7.7E+00	2.0E-03	1.0E-03	1.6E-05	1.6E-01	6.7E-01	1.7E-06
400	1.63	1.6E-06	7.3E+00	2.0E-03	1.0E-03	1.5E-05	1.6E-01	6.7E-01	1.6E-06
401	1.53	1.5E-06	6.8E+00	2.0E-03	1.0E-03	1.5E-05	1.6E-01	6.7E-01	1.5E-06
402	1.44	1.4E-06	6.4E+00	2.0E-03	1.0E-03	1.4E-05	1.6E-01	6.7E-01	1.4E-06
403	1.35	1.3E-06	6.0E+00	2.0E-03	1.0E-03	1.3E-05	1.6E-01	6.7E-01	1.3E-06
404	1.26	1.3E-06	5.6E+00	2.0E-03	1.0E-03	1.2E-05	1.6E-01	6.7E-01	1.3E-06
405	1.18	1.2E-06	5.3E+00	2.0E-03	1.0E-03	1.1E-05	1.6E-01	6.7E-01	1.2E-06
406	1.11	1.1E-06	5.0E+00	2.0E-03	1.0E-03	1.1E-05	1.6E-01	6.7E-01	1.1E-06
407	1.00	1.0E-06	4.5E+00	2.0E-03	1.0E-03	9.5E-06	1.6E-01	6.7E-01	1.0E-06
408	1.13	1.1E-06	5.0E+00	2.0E-03	1.0E-03	1.1E-05	1.6E-01	6.7E-01	1.1E-06
409	1.28	1.3E-06	5.7E+00	2.0E-03	1.0E-03	1.2E-05	1.6E-01	6.7E-01	1.3E-06
410	1.45	1.5E-06	6.5E+00	2.0E-03	1.0E-03	1.4E-05	1.6E-01	6.7E-01	1.4E-06
411	1.64	1.6E-06	7.3E+00	2.0E-03	1.0E-03	1.6E-05	1.6E-01	6.7E-01	1.6E-06
412	2.21	2.2E-06	9.9E+00	2.0E-03	1.0E-03	2.1E-05	1.6E-01	6.7E-01	2.2E-06
413	2.07	2.1E-06	9.2E+00	2.0E-03	1.0E-03	2.0E-05	1.6E-01	6.7E-01	2.1E-06
414	1.93	1.9E-06	8.6E+00	2.0E-03	1.0E-03	1.8E-05	1.6E-01	6.7E-01	1.9E-06
415	1.79	1.8E-06	8.0E+00	2.0E-03	1.0E-03	1.7E-05	1.6E-01	6.7E-01	1.8E-06
416	1.67	1.7E-06	7.4E+00	2.0E-03	1.0E-03	1.6E-05	1.6E-01	6.7E-01	1.7E-06
417	1.55	1.6E-06	6.9E+00	2.0E-03	1.0E-03	1.5E-05	1.6E-01	6.7E-01	1.5E-06
418	1.44	1.4E-06	6.4E+00	2.0E-03	1.0E-03	1.4E-05	1.6E-01	6.7E-01	1.4E-06
419	1.34	1.3E-06	6.0E+00	2.0E-03	1.0E-03	1.3E-05	1.6E-01	6.7E-01	1.3E-06
420	1.25	1.2E-06	5.6E+00	2.0E-03	1.0E-03	1.2E-05	1.6E-01	6.7E-01	1.2E-06
421	1.17	1.2E-06	5.2E+00	2.0E-03	1.0E-03	1.1E-05	1.6E-01	6.7E-01	1.2E-06
422	1.13	1.1E-06	5.1E+00	2.0E-03	1.0E-03	1.1E-05	1.6E-01	6.7E-01	1.1E-06
423	1.30	1.3E-06	5.8E+00	2.0E-03	1.0E-03	1.2E-05	1.6E-01	6.7E-01	1.3E-06
424	1.50	1.5E-06	6.7E+00	2.0E-03	1.0E-03	1.4E-05	1.6E-01	6.7E-01	1.5E-06
425	1.73	1.7E-06	7.7E+00	2.0E-03	1.0E-03	1.6E-05	1.6E-01	6.7E-01	1.7E-06
426	2.02	2.0E-06	9.0E+00	2.0E-03	1.0E-03	1.9E-05	1.6E-01	6.7E-01	2.0E-06
427	2.50	2.5E-06	1.1E+01	2.0E-03	1.0E-03	2.4E-05	1.6E-01	6.7E-01	2.5E-06
428	2.31	2.3E-06	1.0E+01	2.0E-03	1.0E-03	2.2E-05	1.6E-01	6.7E-01	2.3E-06
429	2.12	2.1E-06	9.5E+00	2.0E-03	1.0E-03	2.0E-05	1.6E-01	6.7E-01	2.1E-06
430	1.95	2.0E-06	8.7E+00	2.0E-03	1.0E-03	1.9E-05	1.6E-01	6.7E-01	2.0E-06

Franklin School Project
Risk From Modernization Const - Unmitigated Residential

	7.80	Max							
						Onsite			
Receptor #	**Total/ Million**	**Total**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
431	1.80	1.8E-06	8.1E+00	2.0E-03	1.0E-03	1.7E-05	1.6E-01	6.7E-01	1.8E-06
432	1.66	1.7E-06	7.4E+00	2.0E-03	1.0E-03	1.6E-05	1.6E-01	6.7E-01	1.7E-06
433	1.53	1.5E-06	6.9E+00	2.0E-03	1.0E-03	1.5E-05	1.6E-01	6.7E-01	1.5E-06
434	1.41	1.4E-06	6.3E+00	2.0E-03	1.0E-03	1.3E-05	1.6E-01	6.7E-01	1.4E-06
435	1.31	1.3E-06	5.9E+00	2.0E-03	1.0E-03	1.2E-05	1.6E-01	6.7E-01	1.3E-06
436	1.22	1.2E-06	5.4E+00	2.0E-03	1.0E-03	1.2E-05	1.6E-01	6.7E-01	1.2E-06
437	1.27	1.3E-06	5.7E+00	2.0E-03	1.0E-03	1.2E-05	1.6E-01	6.7E-01	1.3E-06
438	1.48	1.5E-06	6.6E+00	2.0E-03	1.0E-03	1.4E-05	1.6E-01	6.7E-01	1.5E-06
439	1.75	1.8E-06	7.8E+00	2.0E-03	1.0E-03	1.7E-05	1.6E-01	6.7E-01	1.7E-06
440	2.07	2.1E-06	9.3E+00	2.0E-03	1.0E-03	2.0E-05	1.6E-01	6.7E-01	2.1E-06
441	2.53	2.5E-06	1.1E+01	2.0E-03	1.0E-03	2.4E-05	1.6E-01	6.7E-01	2.5E-06
442	2.80	2.8E-06	1.3E+01	2.0E-03	1.0E-03	2.7E-05	1.6E-01	6.7E-01	2.8E-06
443	2.55	2.6E-06	1.1E+01	2.0E-03	1.0E-03	2.4E-05	1.6E-01	6.7E-01	2.5E-06
444	2.32	2.3E-06	1.0E+01	2.0E-03	1.0E-03	2.2E-05	1.6E-01	6.7E-01	2.3E-06
445	2.11	2.1E-06	9.5E+00	2.0E-03	1.0E-03	2.0E-05	1.6E-01	6.7E-01	2.1E-06
446	1.93	1.9E-06	8.6E+00	2.0E-03	1.0E-03	1.8E-05	1.6E-01	6.7E-01	1.9E-06
447	1.77	1.8E-06	7.9E+00	2.0E-03	1.0E-03	1.7E-05	1.6E-01	6.7E-01	1.8E-06
448	1.62	1.6E-06	7.2E+00	2.0E-03	1.0E-03	1.5E-05	1.6E-01	6.7E-01	1.6E-06
449	1.49	1.5E-06	6.6E+00	2.0E-03	1.0E-03	1.4E-05	1.6E-01	6.7E-01	1.5E-06
450	1.36	1.4E-06	6.1E+00	2.0E-03	1.0E-03	1.3E-05	1.6E-01	6.7E-01	1.4E-06
451	1.26	1.3E-06	5.6E+00	2.0E-03	1.0E-03	1.2E-05	1.6E-01	6.7E-01	1.3E-06
452	1.42	1.4E-06	6.4E+00	2.0E-03	1.0E-03	1.4E-05	1.6E-01	6.7E-01	1.4E-06
453	1.69	1.7E-06	7.5E+00	2.0E-03	1.0E-03	1.6E-05	1.6E-01	6.7E-01	1.7E-06
454	2.05	2.0E-06	9.2E+00	2.0E-03	1.0E-03	1.9E-05	1.6E-01	6.7E-01	2.0E-06
455	2.51	2.5E-06	1.1E+01	2.0E-03	1.0E-03	2.4E-05	1.6E-01	6.7E-01	2.5E-06
456	3.20	3.2E-06	1.4E+01	2.0E-03	1.0E-03	3.0E-05	1.6E-01	6.7E-01	3.2E-06
457	3.10	3.1E-06	1.4E+01	2.0E-03	1.0E-03	2.9E-05	1.6E-01	6.7E-01	3.1E-06
458	2.79	2.8E-06	1.2E+01	2.0E-03	1.0E-03	2.7E-05	1.6E-01	6.7E-01	2.8E-06
459	2.51	2.5E-06	1.1E+01	2.0E-03	1.0E-03	2.4E-05	1.6E-01	6.7E-01	2.5E-06
460	2.27	2.3E-06	1.0E+01	2.0E-03	1.0E-03	2.2E-05	1.6E-01	6.7E-01	2.3E-06
461	2.05	2.1E-06	9.2E+00	2.0E-03	1.0E-03	2.0E-05	1.6E-01	6.7E-01	2.0E-06
462	1.86	1.9E-06	8.3E+00	2.0E-03	1.0E-03	1.8E-05	1.6E-01	6.7E-01	1.9E-06
463	1.70	1.7E-06	7.6E+00	2.0E-03	1.0E-03	1.6E-05	1.6E-01	6.7E-01	1.7E-06
464	1.55	1.6E-06	6.9E+00	2.0E-03	1.0E-03	1.5E-05	1.6E-01	6.7E-01	1.5E-06
465	1.41	1.4E-06	6.3E+00	2.0E-03	1.0E-03	1.3E-05	1.6E-01	6.7E-01	1.4E-06
466	1.30	1.3E-06	5.8E+00	2.0E-03	1.0E-03	1.2E-05	1.6E-01	6.7E-01	1.3E-06
467	1.56	1.6E-06	7.0E+00	2.0E-03	1.0E-03	1.5E-05	1.6E-01	6.7E-01	1.6E-06
468	1.89	1.9E-06	8.4E+00	2.0E-03	1.0E-03	1.8E-05	1.6E-01	6.7E-01	1.9E-06
469	2.32	2.3E-06	1.0E+01	2.0E-03	1.0E-03	2.2E-05	1.6E-01	6.7E-01	2.3E-06
470	2.98	3.0E-06	1.3E+01	2.0E-03	1.0E-03	2.8E-05	1.6E-01	6.7E-01	3.0E-06
471	4.03	4.0E-06	1.8E+01	2.0E-03	1.0E-03	3.8E-05	1.6E-01	6.7E-01	4.0E-06
472	3.38	3.4E-06	1.5E+01	2.0E-03	1.0E-03	3.2E-05	1.6E-01	6.7E-01	3.4E-06
473	3.00	3.0E-06	1.3E+01	2.0E-03	1.0E-03	2.9E-05	1.6E-01	6.7E-01	3.0E-06

Franklin School Project
Risk From Modernization Const - Unmitigated Residential

	7.80	Max							
						Onsite			
Receptor #	**Total/ Million**	**Total**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
474	2.68	2.7E-06	1.2E+01	2.0E-03	1.0E-03	2.5E-05	1.6E-01	6.7E-01	2.7E-06
475	2.40	2.4E-06	1.1E+01	2.0E-03	1.0E-03	2.3E-05	1.6E-01	6.7E-01	2.4E-06
476	2.16	2.2E-06	9.6E+00	2.0E-03	1.0E-03	2.1E-05	1.6E-01	6.7E-01	2.2E-06
477	1.95	1.9E-06	8.7E+00	2.0E-03	1.0E-03	1.9E-05	1.6E-01	6.7E-01	1.9E-06
478	1.76	1.8E-06	7.9E+00	2.0E-03	1.0E-03	1.7E-05	1.6E-01	6.7E-01	1.8E-06
479	1.60	1.6E-06	7.2E+00	2.0E-03	1.0E-03	1.5E-05	1.6E-01	6.7E-01	1.6E-06
480	1.46	1.5E-06	6.5E+00	2.0E-03	1.0E-03	1.4E-05	1.6E-01	6.7E-01	1.5E-06
481	1.33	1.3E-06	5.9E+00	2.0E-03	1.0E-03	1.3E-05	1.6E-01	6.7E-01	1.3E-06
482	1.70	1.7E-06	7.6E+00	2.0E-03	1.0E-03	1.6E-05	1.6E-01	6.7E-01	1.7E-06
483	2.09	2.1E-06	9.3E+00	2.0E-03	1.0E-03	2.0E-05	1.6E-01	6.7E-01	2.1E-06
484	2.62	2.6E-06	1.2E+01	2.0E-03	1.0E-03	2.5E-05	1.6E-01	6.7E-01	2.6E-06
485	3.49	3.5E-06	1.6E+01	2.0E-03	1.0E-03	3.3E-05	1.6E-01	6.7E-01	3.5E-06
486	4.93	4.9E-06	2.2E+01	2.0E-03	1.0E-03	4.7E-05	1.6E-01	6.7E-01	4.9E-06
487	3.63	3.6E-06	1.6E+01	2.0E-03	1.0E-03	3.5E-05	1.6E-01	6.7E-01	3.6E-06
488	3.20	3.2E-06	1.4E+01	2.0E-03	1.0E-03	3.0E-05	1.6E-01	6.7E-01	3.2E-06
489	2.83	2.8E-06	1.3E+01	2.0E-03	1.0E-03	2.7E-05	1.6E-01	6.7E-01	2.8E-06
490	2.52	2.5E-06	1.1E+01	2.0E-03	1.0E-03	2.4E-05	1.6E-01	6.7E-01	2.5E-06
491	2.25	2.2E-06	1.0E+01	2.0E-03	1.0E-03	2.1E-05	1.6E-01	6.7E-01	2.2E-06
492	2.02	2.0E-06	9.0E+00	2.0E-03	1.0E-03	1.9E-05	1.6E-01	6.7E-01	2.0E-06
493	1.81	1.8E-06	8.1E+00	2.0E-03	1.0E-03	1.7E-05	1.6E-01	6.7E-01	1.8E-06
494	1.64	1.6E-06	7.3E+00	2.0E-03	1.0E-03	1.6E-05	1.6E-01	6.7E-01	1.6E-06
495	1.49	1.5E-06	6.7E+00	2.0E-03	1.0E-03	1.4E-05	1.6E-01	6.7E-01	1.5E-06
496	1.35	1.4E-06	6.0E+00	2.0E-03	1.0E-03	1.3E-05	1.6E-01	6.7E-01	1.4E-06
497	1.83	1.8E-06	8.2E+00	2.0E-03	1.0E-03	1.7E-05	1.6E-01	6.7E-01	1.8E-06
498	2.28	2.3E-06	1.0E+01	2.0E-03	1.0E-03	2.2E-05	1.6E-01	6.7E-01	2.3E-06
499	2.95	3.0E-06	1.3E+01	2.0E-03	1.0E-03	2.8E-05	1.6E-01	6.7E-01	3.0E-06
500	4.02	4.0E-06	1.8E+01	2.0E-03	1.0E-03	3.8E-05	1.6E-01	6.7E-01	4.0E-06
501	5.75	5.8E-06	2.6E+01	2.0E-03	1.0E-03	5.5E-05	1.6E-01	6.7E-01	5.8E-06
502	3.85	3.9E-06	1.7E+01	2.0E-03	1.0E-03	3.7E-05	1.6E-01	6.7E-01	3.9E-06
503	3.36	3.4E-06	1.5E+01	2.0E-03	1.0E-03	3.2E-05	1.6E-01	6.7E-01	3.4E-06
504	2.95	3.0E-06	1.3E+01	2.0E-03	1.0E-03	2.8E-05	1.6E-01	6.7E-01	3.0E-06
505	2.61	2.6E-06	1.2E+01	2.0E-03	1.0E-03	2.5E-05	1.6E-01	6.7E-01	2.6E-06
506	2.32	2.3E-06	1.0E+01	2.0E-03	1.0E-03	2.2E-05	1.6E-01	6.7E-01	2.3E-06
507	2.07	2.1E-06	9.2E+00	2.0E-03	1.0E-03	2.0E-05	1.6E-01	6.7E-01	2.1E-06
508	1.85	1.9E-06	8.3E+00	2.0E-03	1.0E-03	1.8E-05	1.6E-01	6.7E-01	1.9E-06
509	1.67	1.7E-06	7.5E+00	2.0E-03	1.0E-03	1.6E-05	1.6E-01	6.7E-01	1.7E-06
510	1.51	1.5E-06	6.7E+00	2.0E-03	1.0E-03	1.4E-05	1.6E-01	6.7E-01	1.5E-06
511	1.36	1.4E-06	6.1E+00	2.0E-03	1.0E-03	1.3E-05	1.6E-01	6.7E-01	1.4E-06
512	1.94	1.9E-06	8.7E+00	2.0E-03	1.0E-03	1.8E-05	1.6E-01	6.7E-01	1.9E-06
513	2.43	2.4E-06	1.1E+01	2.0E-03	1.0E-03	2.3E-05	1.6E-01	6.7E-01	2.4E-06
514	3.16	3.2E-06	1.4E+01	2.0E-03	1.0E-03	3.0E-05	1.6E-01	6.7E-01	3.2E-06
515	4.38	4.4E-06	2.0E+01	2.0E-03	1.0E-03	4.2E-05	1.6E-01	6.7E-01	4.4E-06
516	6.37	6.4E-06	2.8E+01	2.0E-03	1.0E-03	6.1E-05	1.6E-01	6.7E-01	6.4E-06

Franklin School Project

Risk From Modernization Const - Unmitigated Residential

	7.80	Max					Onsite		
Receptor #	**Total/ Million**	**Total**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
517	4.04	4.0E-06	1.8E+01	2.0E-03	1.0E-03	3.8E-05	1.6E-01	6.7E-01	4.0E-06
518	3.51	3.5E-06	1.6E+01	2.0E-03	1.0E-03	3.3E-05	1.6E-01	6.7E-01	3.5E-06
519	3.06	3.1E-06	1.4E+01	2.0E-03	1.0E-03	2.9E-05	1.6E-01	6.7E-01	3.1E-06
520	2.68	2.7E-06	1.2E+01	2.0E-03	1.0E-03	2.5E-05	1.6E-01	6.7E-01	2.7E-06
521	2.37	2.4E-06	1.1E+01	2.0E-03	1.0E-03	2.3E-05	1.6E-01	6.7E-01	2.4E-06
522	2.10	2.1E-06	9.4E+00	2.0E-03	1.0E-03	2.0E-05	1.6E-01	6.7E-01	2.1E-06
523	1.87	1.9E-06	8.4E+00	2.0E-03	1.0E-03	1.8E-05	1.6E-01	6.7E-01	1.9E-06
524	1.68	1.7E-06	7.5E+00	2.0E-03	1.0E-03	1.6E-05	1.6E-01	6.7E-01	1.7E-06
525	1.51	1.5E-06	6.7E+00	2.0E-03	1.0E-03	1.4E-05	1.6E-01	6.7E-01	1.5E-06
526	1.36	1.4E-06	6.1E+00	2.0E-03	1.0E-03	1.3E-05	1.6E-01	6.7E-01	1.4E-06
527	2.03	2.0E-06	9.1E+00	2.0E-03	1.0E-03	1.9E-05	1.6E-01	6.7E-01	2.0E-06
528	2.57	2.6E-06	1.1E+01	2.0E-03	1.0E-03	2.4E-05	1.6E-01	6.7E-01	2.6E-06
529	3.39	3.4E-06	1.5E+01	2.0E-03	1.0E-03	3.2E-05	1.6E-01	6.7E-01	3.4E-06
530	4.70	4.7E-06	2.1E+01	2.0E-03	1.0E-03	4.5E-05	1.6E-01	6.7E-01	4.7E-06
531	6.82	6.8E-06	3.1E+01	2.0E-03	1.0E-03	6.5E-05	1.6E-01	6.7E-01	6.8E-06
532	4.19	4.2E-06	1.9E+01	2.0E-03	1.0E-03	4.0E-05	1.6E-01	6.7E-01	4.2E-06
533	3.61	3.6E-06	1.6E+01	2.0E-03	1.0E-03	3.4E-05	1.6E-01	6.7E-01	3.6E-06
534	3.11	3.1E-06	1.4E+01	2.0E-03	1.0E-03	3.0E-05	1.6E-01	6.7E-01	3.1E-06
535	2.70	2.7E-06	1.2E+01	2.0E-03	1.0E-03	2.6E-05	1.6E-01	6.7E-01	2.7E-06
536	2.36	2.4E-06	1.1E+01	2.0E-03	1.0E-03	2.2E-05	1.6E-01	6.7E-01	2.4E-06
537	2.09	2.1E-06	9.4E+00	2.0E-03	1.0E-03	2.0E-05	1.6E-01	6.7E-01	2.1E-06
538	1.86	1.9E-06	8.3E+00	2.0E-03	1.0E-03	1.8E-05	1.6E-01	6.7E-01	1.9E-06
539	1.67	1.7E-06	7.5E+00	2.0E-03	1.0E-03	1.6E-05	1.6E-01	6.7E-01	1.7E-06
540	1.49	1.5E-06	6.7E+00	2.0E-03	1.0E-03	1.4E-05	1.6E-01	6.7E-01	1.5E-06
541	1.34	1.3E-06	6.0E+00	2.0E-03	1.0E-03	1.3E-05	1.6E-01	6.7E-01	1.3E-06
542	2.09	2.1E-06	9.4E+00	2.0E-03	1.0E-03	2.0E-05	1.6E-01	6.7E-01	2.1E-06
543	2.67	2.7E-06	1.2E+01	2.0E-03	1.0E-03	2.5E-05	1.6E-01	6.7E-01	2.7E-06
544	3.57	3.6E-06	1.6E+01	2.0E-03	1.0E-03	3.4E-05	1.6E-01	6.7E-01	3.6E-06
545	4.94	4.9E-06	2.2E+01	2.0E-03	1.0E-03	4.7E-05	1.6E-01	6.7E-01	4.9E-06
546	7.11	7.1E-06	3.2E+01	2.0E-03	1.0E-03	6.8E-05	1.6E-01	6.7E-01	7.1E-06
547	4.28	4.3E-06	1.9E+01	2.0E-03	1.0E-03	4.1E-05	1.6E-01	6.7E-01	4.3E-06
548	3.65	3.6E-06	1.6E+01	2.0E-03	1.0E-03	3.5E-05	1.6E-01	6.7E-01	3.6E-06
549	3.13	3.1E-06	1.4E+01	2.0E-03	1.0E-03	3.0E-05	1.6E-01	6.7E-01	3.1E-06
550	2.69	2.7E-06	1.2E+01	2.0E-03	1.0E-03	2.6E-05	1.6E-01	6.7E-01	2.7E-06
551	2.31	2.3E-06	1.0E+01	2.0E-03	1.0E-03	2.2E-05	1.6E-01	6.7E-01	2.3E-06
552	2.02	2.0E-06	9.0E+00	2.0E-03	1.0E-03	1.9E-05	1.6E-01	6.7E-01	2.0E-06
553	1.80	1.8E-06	8.0E+00	2.0E-03	1.0E-03	1.7E-05	1.6E-01	6.7E-01	1.8E-06
554	1.61	1.6E-06	7.2E+00	2.0E-03	1.0E-03	1.5E-05	1.6E-01	6.7E-01	1.6E-06
555	1.44	1.4E-06	6.4E+00	2.0E-03	1.0E-03	1.4E-05	1.6E-01	6.7E-01	1.4E-06
556	1.29	1.3E-06	5.8E+00	2.0E-03	1.0E-03	1.2E-05	1.6E-01	6.7E-01	1.3E-06
557	2.13	2.1E-06	9.5E+00	2.0E-03	1.0E-03	2.0E-05	1.6E-01	6.7E-01	2.1E-06
558	2.73	2.7E-06	1.2E+01	2.0E-03	1.0E-03	2.6E-05	1.6E-01	6.7E-01	2.7E-06
559	3.65	3.6E-06	1.6E+01	2.0E-03	1.0E-03	3.5E-05	1.6E-01	6.7E-01	3.6E-06

Franklin School Project

Risk From Modernization Const - Unmitigated Residential

	7.80	Max					Onsite		
Receptor #	**Total/ Million**	**Total**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
560	5.07	5.1E-06	2.3E+01	2.0E-03	1.0E-03	4.8E-05	1.6E-01	6.7E-01	5.1E-06
561	7.26	7.3E-06	3.2E+01	2.0E-03	1.0E-03	6.9E-05	1.6E-01	6.7E-01	7.3E-06
562	3.69	3.7E-06	1.6E+01	2.0E-03	1.0E-03	3.5E-05	1.6E-01	6.7E-01	3.7E-06
563	3.14	3.1E-06	1.4E+01	2.0E-03	1.0E-03	3.0E-05	1.6E-01	6.7E-01	3.1E-06
564	2.67	2.7E-06	1.2E+01	2.0E-03	1.0E-03	2.5E-05	1.6E-01	6.7E-01	2.7E-06
565	2.19	2.2E-06	9.8E+00	2.0E-03	1.0E-03	2.1E-05	1.6E-01	6.7E-01	2.2E-06
566	1.90	1.9E-06	8.5E+00	2.0E-03	1.0E-03	1.8E-05	1.6E-01	6.7E-01	1.9E-06
567	1.68	1.7E-06	7.5E+00	2.0E-03	1.0E-03	1.6E-05	1.6E-01	6.7E-01	1.7E-06
568	1.50	1.5E-06	6.7E+00	2.0E-03	1.0E-03	1.4E-05	1.6E-01	6.7E-01	1.5E-06
569	1.35	1.3E-06	6.0E+00	2.0E-03	1.0E-03	1.3E-05	1.6E-01	6.7E-01	1.3E-06
570	1.22	1.2E-06	5.5E+00	2.0E-03	1.0E-03	1.2E-05	1.6E-01	6.7E-01	1.2E-06
571	2.15	2.2E-06	9.6E+00	2.0E-03	1.0E-03	2.0E-05	1.6E-01	6.7E-01	2.1E-06
572	2.78	2.8E-06	1.2E+01	2.0E-03	1.0E-03	2.6E-05	1.6E-01	6.7E-01	2.8E-06
573	3.68	3.7E-06	1.6E+01	2.0E-03	1.0E-03	3.5E-05	1.6E-01	6.7E-01	3.7E-06
574	5.12	5.1E-06	2.3E+01	2.0E-03	1.0E-03	4.9E-05	1.6E-01	6.7E-01	5.1E-06
575	7.29	7.3E-06	3.3E+01	2.0E-03	1.0E-03	6.9E-05	1.6E-01	6.7E-01	7.3E-06
576	3.13	3.1E-06	1.4E+01	2.0E-03	1.0E-03	3.0E-05	1.6E-01	6.7E-01	3.1E-06
577	2.66	2.7E-06	1.2E+01	2.0E-03	1.0E-03	2.5E-05	1.6E-01	6.7E-01	2.7E-06
578	2.23	2.2E-06	1.0E+01	2.0E-03	1.0E-03	2.1E-05	1.6E-01	6.7E-01	2.2E-06
579	1.94	1.9E-06	8.7E+00	2.0E-03	1.0E-03	1.8E-05	1.6E-01	6.7E-01	1.9E-06
580	1.70	1.7E-06	7.6E+00	2.0E-03	1.0E-03	1.6E-05	1.6E-01	6.7E-01	1.7E-06
581	1.48	1.5E-06	6.6E+00	2.0E-03	1.0E-03	1.4E-05	1.6E-01	6.7E-01	1.5E-06
582	1.31	1.3E-06	5.9E+00	2.0E-03	1.0E-03	1.2E-05	1.6E-01	6.7E-01	1.3E-06
583	1.16	1.2E-06	5.2E+00	2.0E-03	1.0E-03	1.1E-05	1.6E-01	6.7E-01	1.2E-06
584	2.14	2.1E-06	9.6E+00	2.0E-03	1.0E-03	2.0E-05	1.6E-01	6.7E-01	2.1E-06
585	2.77	2.8E-06	1.2E+01	2.0E-03	1.0E-03	2.6E-05	1.6E-01	6.7E-01	2.8E-06
586	3.69	3.7E-06	1.6E+01	2.0E-03	1.0E-03	3.5E-05	1.6E-01	6.7E-01	3.7E-06
587	5.05	5.1E-06	2.3E+01	2.0E-03	1.0E-03	4.8E-05	1.6E-01	6.7E-01	5.1E-06
588	7.23	7.2E-06	3.2E+01	2.0E-03	1.0E-03	6.9E-05	1.6E-01	6.7E-01	7.2E-06
589	2.64	2.6E-06	1.2E+01	2.0E-03	1.0E-03	2.5E-05	1.6E-01	6.7E-01	2.6E-06
590	2.28	2.3E-06	1.0E+01	2.0E-03	1.0E-03	2.2E-05	1.6E-01	6.7E-01	2.3E-06
591	1.99	2.0E-06	8.9E+00	2.0E-03	1.0E-03	1.9E-05	1.6E-01	6.7E-01	2.0E-06
592	1.72	1.7E-06	7.7E+00	2.0E-03	1.0E-03	1.6E-05	1.6E-01	6.7E-01	1.7E-06
593	1.51	1.5E-06	6.8E+00	2.0E-03	1.0E-03	1.4E-05	1.6E-01	6.7E-01	1.5E-06
594	1.32	1.3E-06	5.9E+00	2.0E-03	1.0E-03	1.3E-05	1.6E-01	6.7E-01	1.3E-06
595	1.16	1.2E-06	5.2E+00	2.0E-03	1.0E-03	1.1E-05	1.6E-01	6.7E-01	1.2E-06
596	2.10	2.1E-06	9.4E+00	2.0E-03	1.0E-03	2.0E-05	1.6E-01	6.7E-01	2.1E-06
597	2.71	2.7E-06	1.2E+01	2.0E-03	1.0E-03	2.6E-05	1.6E-01	6.7E-01	2.7E-06
598	3.56	3.6E-06	1.6E+01	2.0E-03	1.0E-03	3.4E-05	1.6E-01	6.7E-01	3.6E-06
599	4.88	4.9E-06	2.2E+01	2.0E-03	1.0E-03	4.6E-05	1.6E-01	6.7E-01	4.9E-06
600	6.99	7.0E-06	3.1E+01	2.0E-03	1.0E-03	6.7E-05	1.6E-01	6.7E-01	7.0E-06
601	2.20	2.2E-06	9.8E+00	2.0E-03	1.0E-03	2.1E-05	1.6E-01	6.7E-01	2.2E-06
602	1.91	1.9E-06	8.6E+00	2.0E-03	1.0E-03	1.8E-05	1.6E-01	6.7E-01	1.9E-06

Franklin School Project
Risk From Modernization Const - Unmitigated Residential

	7.80	Max					Onsite		
Receptor #	**Total/ Million**	**Total**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
603	1.67	1.7E-06	7.4E+00	2.0E-03	1.0E-03	1.6E-05	1.6E-01	6.7E-01	1.7E-06
604	1.47	1.5E-06	6.6E+00	2.0E-03	1.0E-03	1.4E-05	1.6E-01	6.7E-01	1.5E-06
605	1.29	1.3E-06	5.8E+00	2.0E-03	1.0E-03	1.2E-05	1.6E-01	6.7E-01	1.3E-06
606	1.14	1.1E-06	5.1E+00	2.0E-03	1.0E-03	1.1E-05	1.6E-01	6.7E-01	1.1E-06
607	2.02	2.0E-06	9.0E+00	2.0E-03	1.0E-03	1.9E-05	1.6E-01	6.7E-01	2.0E-06
608	2.59	2.6E-06	1.2E+01	2.0E-03	1.0E-03	2.5E-05	1.6E-01	6.7E-01	2.6E-06
609	3.39	3.4E-06	1.5E+01	2.0E-03	1.0E-03	3.2E-05	1.6E-01	6.7E-01	3.4E-06
610	4.60	4.6E-06	2.1E+01	2.0E-03	1.0E-03	4.4E-05	1.6E-01	6.7E-01	4.6E-06
611	6.56	6.6E-06	2.9E+01	2.0E-03	1.0E-03	6.2E-05	1.6E-01	6.7E-01	6.6E-06
612	2.09	2.1E-06	9.4E+00	2.0E-03	1.0E-03	2.0E-05	1.6E-01	6.7E-01	2.1E-06
613	1.82	1.8E-06	8.2E+00	2.0E-03	1.0E-03	1.7E-05	1.6E-01	6.7E-01	1.8E-06
614	1.59	1.6E-06	7.1E+00	2.0E-03	1.0E-03	1.5E-05	1.6E-01	6.7E-01	1.6E-06
615	1.40	1.4E-06	6.3E+00	2.0E-03	1.0E-03	1.3E-05	1.6E-01	6.7E-01	1.4E-06
616	1.24	1.2E-06	5.5E+00	2.0E-03	1.0E-03	1.2E-05	1.6E-01	6.7E-01	1.2E-06
617	1.09	1.1E-06	4.9E+00	2.0E-03	1.0E-03	1.0E-05	1.6E-01	6.7E-01	1.1E-06
618	1.91	1.9E-06	8.6E+00	2.0E-03	1.0E-03	1.8E-05	1.6E-01	6.7E-01	1.9E-06
619	2.41	2.4E-06	1.1E+01	2.0E-03	1.0E-03	2.3E-05	1.6E-01	6.7E-01	2.4E-06
620	3.15	3.1E-06	1.4E+01	2.0E-03	1.0E-03	3.0E-05	1.6E-01	6.7E-01	3.1E-06
621	4.19	4.2E-06	1.9E+01	2.0E-03	1.0E-03	4.0E-05	1.6E-01	6.7E-01	4.2E-06
622	5.91	5.9E-06	2.6E+01	2.0E-03	1.0E-03	5.6E-05	1.6E-01	6.7E-01	5.9E-06
623	1.97	2.0E-06	8.8E+00	2.0E-03	1.0E-03	1.9E-05	1.6E-01	6.7E-01	2.0E-06
624	1.72	1.7E-06	7.7E+00	2.0E-03	1.0E-03	1.6E-05	1.6E-01	6.7E-01	1.7E-06
625	1.51	1.5E-06	6.7E+00	2.0E-03	1.0E-03	1.4E-05	1.6E-01	6.7E-01	1.5E-06
626	1.33	1.3E-06	6.0E+00	2.0E-03	1.0E-03	1.3E-05	1.6E-01	6.7E-01	1.3E-06
627	1.19	1.2E-06	5.3E+00	2.0E-03	1.0E-03	1.1E-05	1.6E-01	6.7E-01	1.2E-06
628	1.05	1.1E-06	4.7E+00	2.0E-03	1.0E-03	1.0E-05	1.6E-01	6.7E-01	1.1E-06
629	1.79	1.8E-06	8.0E+00	2.0E-03	1.0E-03	1.7E-05	1.6E-01	6.7E-01	1.8E-06
630	2.22	2.2E-06	9.9E+00	2.0E-03	1.0E-03	2.1E-05	1.6E-01	6.7E-01	2.2E-06
631	2.83	2.8E-06	1.3E+01	2.0E-03	1.0E-03	2.7E-05	1.6E-01	6.7E-01	2.8E-06
632	3.71	3.7E-06	1.7E+01	2.0E-03	1.0E-03	3.5E-05	1.6E-01	6.7E-01	3.7E-06
633	5.09	5.1E-06	2.3E+01	2.0E-03	1.0E-03	4.8E-05	1.6E-01	6.7E-01	5.1E-06
634	1.84	1.8E-06	8.2E+00	2.0E-03	1.0E-03	1.7E-05	1.6E-01	6.7E-01	1.8E-06
635	1.61	1.6E-06	7.2E+00	2.0E-03	1.0E-03	1.5E-05	1.6E-01	6.7E-01	1.6E-06
636	1.42	1.4E-06	6.3E+00	2.0E-03	1.0E-03	1.3E-05	1.6E-01	6.7E-01	1.4E-06
637	1.26	1.3E-06	5.6E+00	2.0E-03	1.0E-03	1.2E-05	1.6E-01	6.7E-01	1.3E-06
638	1.12	1.1E-06	5.0E+00	2.0E-03	1.0E-03	1.1E-05	1.6E-01	6.7E-01	1.1E-06
639	1.01	1.0E-06	4.5E+00	2.0E-03	1.0E-03	9.6E-06	1.6E-01	6.7E-01	1.0E-06
640	1.64	1.6E-06	7.4E+00	2.0E-03	1.0E-03	1.6E-05	1.6E-01	6.7E-01	1.6E-06
641	2.02	2.0E-06	9.0E+00	2.0E-03	1.0E-03	1.9E-05	1.6E-01	6.7E-01	2.0E-06
642	2.53	2.5E-06	1.1E+01	2.0E-03	1.0E-03	2.4E-05	1.6E-01	6.7E-01	2.5E-06
643	3.23	3.2E-06	1.4E+01	2.0E-03	1.0E-03	3.1E-05	1.6E-01	6.7E-01	3.2E-06
644	4.25	4.2E-06	1.9E+01	2.0E-03	1.0E-03	4.0E-05	1.6E-01	6.7E-01	4.2E-06
645	1.70	1.7E-06	7.6E+00	2.0E-03	1.0E-03	1.6E-05	1.6E-01	6.7E-01	1.7E-06

Franklin School Project
Risk From Modernization Const - Unmitigated Residential

	7.80	Max					Onsite		
Receptor #	**Total/ Million**	**Total**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
646	1.50	1.5E-06	6.7E+00	2.0E-03	1.0E-03	1.4E-05	1.6E-01	6.7E-01	1.5E-06
647	1.33	1.3E-06	5.9E+00	2.0E-03	1.0E-03	1.3E-05	1.6E-01	6.7E-01	1.3E-06
648	1.18	1.2E-06	5.3E+00	2.0E-03	1.0E-03	1.1E-05	1.6E-01	6.7E-01	1.2E-06
649	1.06	1.1E-06	4.7E+00	2.0E-03	1.0E-03	1.0E-05	1.6E-01	6.7E-01	1.1E-06
650	0.96	9.6E-07	4.3E+00	2.0E-03	1.0E-03	9.1E-06	1.6E-01	6.7E-01	9.5E-07
651	1.51	1.5E-06	6.8E+00	2.0E-03	1.0E-03	1.4E-05	1.6E-01	6.7E-01	1.5E-06
652	1.83	1.8E-06	8.2E+00	2.0E-03	1.0E-03	1.7E-05	1.6E-01	6.7E-01	1.8E-06
653	2.24	2.2E-06	1.0E+01	2.0E-03	1.0E-03	2.1E-05	1.6E-01	6.7E-01	2.2E-06
654	2.77	2.8E-06	1.2E+01	2.0E-03	1.0E-03	2.6E-05	1.6E-01	6.7E-01	2.8E-06
655	3.49	3.5E-06	1.6E+01	2.0E-03	1.0E-03	3.3E-05	1.6E-01	6.7E-01	3.5E-06
656	4.42	4.4E-06	2.0E+01	2.0E-03	1.0E-03	4.2E-05	1.6E-01	6.7E-01	4.4E-06
657	5.56	5.6E-06	2.5E+01	2.0E-03	1.0E-03	5.3E-05	1.6E-01	6.7E-01	5.6E-06
658	6.72	6.7E-06	3.0E+01	2.0E-03	1.0E-03	6.4E-05	1.6E-01	6.7E-01	6.7E-06
659	7.55	7.5E-06	3.4E+01	2.0E-03	1.0E-03	7.2E-05	1.6E-01	6.7E-01	7.5E-06
660	7.80	7.8E-06	3.5E+01	2.0E-03	1.0E-03	7.4E-05	1.6E-01	6.7E-01	7.8E-06
661	7.42	7.4E-06	3.3E+01	2.0E-03	1.0E-03	7.1E-05	1.6E-01	6.7E-01	7.4E-06
662	6.51	6.5E-06	2.9E+01	2.0E-03	1.0E-03	6.2E-05	1.6E-01	6.7E-01	6.5E-06
663	5.45	5.4E-06	2.4E+01	2.0E-03	1.0E-03	5.2E-05	1.6E-01	6.7E-01	5.4E-06
664	4.53	4.5E-06	2.0E+01	2.0E-03	1.0E-03	4.3E-05	1.6E-01	6.7E-01	4.5E-06
665	3.78	3.8E-06	1.7E+01	2.0E-03	1.0E-03	3.6E-05	1.6E-01	6.7E-01	3.8E-06
666	3.18	3.2E-06	1.4E+01	2.0E-03	1.0E-03	3.0E-05	1.6E-01	6.7E-01	3.2E-06
667	2.71	2.7E-06	1.2E+01	2.0E-03	1.0E-03	2.6E-05	1.6E-01	6.7E-01	2.7E-06
668	2.34	2.3E-06	1.0E+01	2.0E-03	1.0E-03	2.2E-05	1.6E-01	6.7E-01	2.3E-06
669	2.03	2.0E-06	9.1E+00	2.0E-03	1.0E-03	1.9E-05	1.6E-01	6.7E-01	2.0E-06
670	1.77	1.8E-06	7.9E+00	2.0E-03	1.0E-03	1.7E-05	1.6E-01	6.7E-01	1.8E-06
671	1.56	1.6E-06	7.0E+00	2.0E-03	1.0E-03	1.5E-05	1.6E-01	6.7E-01	1.6E-06
672	1.39	1.4E-06	6.2E+00	2.0E-03	1.0E-03	1.3E-05	1.6E-01	6.7E-01	1.4E-06
673	1.24	1.2E-06	5.5E+00	2.0E-03	1.0E-03	1.2E-05	1.6E-01	6.7E-01	1.2E-06
674	1.11	1.1E-06	5.0E+00	2.0E-03	1.0E-03	1.1E-05	1.6E-01	6.7E-01	1.1E-06
675	1.00	1.0E-06	4.5E+00	2.0E-03	1.0E-03	9.5E-06	1.6E-01	6.7E-01	1.0E-06
676	0.90	9.0E-07	4.0E+00	2.0E-03	1.0E-03	8.6E-06	1.6E-01	6.7E-01	9.0E-07
677	1.36	1.4E-06	6.1E+00	2.0E-03	1.0E-03	1.3E-05	1.6E-01	6.7E-01	1.4E-06
678	1.61	1.6E-06	7.2E+00	2.0E-03	1.0E-03	1.5E-05	1.6E-01	6.7E-01	1.6E-06
679	1.94	1.9E-06	8.7E+00	2.0E-03	1.0E-03	1.8E-05	1.6E-01	6.7E-01	1.9E-06
680	2.34	2.3E-06	1.0E+01	2.0E-03	1.0E-03	2.2E-05	1.6E-01	6.7E-01	2.3E-06
681	2.84	2.8E-06	1.3E+01	2.0E-03	1.0E-03	2.7E-05	1.6E-01	6.7E-01	2.8E-06
682	3.44	3.4E-06	1.5E+01	2.0E-03	1.0E-03	3.3E-05	1.6E-01	6.7E-01	3.4E-06
683	4.11	4.1E-06	1.8E+01	2.0E-03	1.0E-03	3.9E-05	1.6E-01	6.7E-01	4.1E-06
684	4.75	4.8E-06	2.1E+01	2.0E-03	1.0E-03	4.5E-05	1.6E-01	6.7E-01	4.8E-06
685	5.21	5.2E-06	2.3E+01	2.0E-03	1.0E-03	5.0E-05	1.6E-01	6.7E-01	5.2E-06
686	5.39	5.4E-06	2.4E+01	2.0E-03	1.0E-03	5.1E-05	1.6E-01	6.7E-01	5.4E-06
687	5.22	5.2E-06	2.3E+01	2.0E-03	1.0E-03	5.0E-05	1.6E-01	6.7E-01	5.2E-06
688	4.79	4.8E-06	2.1E+01	2.0E-03	1.0E-03	4.6E-05	1.6E-01	6.7E-01	4.8E-06

Franklin School Project
Risk From Modernization Const - Unmitigated Residential

	7.80	Max							
						Onsite			
Receptor #	**Total/ Million**	**Total**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
689	4.22	4.2E-06	1.9E+01	2.0E-03	1.0E-03	4.0E-05	1.6E-01	6.7E-01	4.2E-06
690	3.68	3.7E-06	1.6E+01	2.0E-03	1.0E-03	3.5E-05	1.6E-01	6.7E-01	3.7E-06
691	3.18	3.2E-06	1.4E+01	2.0E-03	1.0E-03	3.0E-05	1.6E-01	6.7E-01	3.2E-06
692	2.75	2.7E-06	1.2E+01	2.0E-03	1.0E-03	2.6E-05	1.6E-01	6.7E-01	2.7E-06
693	2.39	2.4E-06	1.1E+01	2.0E-03	1.0E-03	2.3E-05	1.6E-01	6.7E-01	2.4E-06
694	2.09	2.1E-06	9.3E+00	2.0E-03	1.0E-03	2.0E-05	1.6E-01	6.7E-01	2.1E-06
695	1.83	1.8E-06	8.2E+00	2.0E-03	1.0E-03	1.7E-05	1.6E-01	6.7E-01	1.8E-06
696	1.62	1.6E-06	7.2E+00	2.0E-03	1.0E-03	1.5E-05	1.6E-01	6.7E-01	1.6E-06
697	1.43	1.4E-06	6.4E+00	2.0E-03	1.0E-03	1.4E-05	1.6E-01	6.7E-01	1.4E-06
698	1.28	1.3E-06	5.7E+00	2.0E-03	1.0E-03	1.2E-05	1.6E-01	6.7E-01	1.3E-06
699	1.15	1.2E-06	5.2E+00	2.0E-03	1.0E-03	1.1E-05	1.6E-01	6.7E-01	1.2E-06
700	1.04	1.0E-06	4.6E+00	2.0E-03	1.0E-03	9.9E-06	1.6E-01	6.7E-01	1.0E-06
701	0.94	9.4E-07	4.2E+00	2.0E-03	1.0E-03	8.9E-06	1.6E-01	6.7E-01	9.4E-07
702	0.85	8.5E-07	3.8E+00	2.0E-03	1.0E-03	8.1E-06	1.6E-01	6.7E-01	8.5E-07
703	1.22	1.2E-06	5.5E+00	2.0E-03	1.0E-03	1.2E-05	1.6E-01	6.7E-01	1.2E-06
704	1.44	1.4E-06	6.4E+00	2.0E-03	1.0E-03	1.4E-05	1.6E-01	6.7E-01	1.4E-06
705	1.68	1.7E-06	7.5E+00	2.0E-03	1.0E-03	1.6E-05	1.6E-01	6.7E-01	1.7E-06
706	1.99	2.0E-06	8.9E+00	2.0E-03	1.0E-03	1.9E-05	1.6E-01	6.7E-01	2.0E-06
707	2.34	2.3E-06	1.0E+01	2.0E-03	1.0E-03	2.2E-05	1.6E-01	6.7E-01	2.3E-06
708	2.75	2.7E-06	1.2E+01	2.0E-03	1.0E-03	2.6E-05	1.6E-01	6.7E-01	2.7E-06
709	3.17	3.2E-06	1.4E+01	2.0E-03	1.0E-03	3.0E-05	1.6E-01	6.7E-01	3.2E-06
710	3.55	3.6E-06	1.6E+01	2.0E-03	1.0E-03	3.4E-05	1.6E-01	6.7E-01	3.6E-06
711	3.83	3.8E-06	1.7E+01	2.0E-03	1.0E-03	3.6E-05	1.6E-01	6.7E-01	3.8E-06
712	3.95	4.0E-06	1.8E+01	2.0E-03	1.0E-03	3.8E-05	1.6E-01	6.7E-01	4.0E-06
713	3.89	3.9E-06	1.7E+01	2.0E-03	1.0E-03	3.7E-05	1.6E-01	6.7E-01	3.9E-06
714	3.67	3.7E-06	1.6E+01	2.0E-03	1.0E-03	3.5E-05	1.6E-01	6.7E-01	3.7E-06
715	3.35	3.4E-06	1.5E+01	2.0E-03	1.0E-03	3.2E-05	1.6E-01	6.7E-01	3.4E-06
716	3.02	3.0E-06	1.3E+01	2.0E-03	1.0E-03	2.9E-05	1.6E-01	6.7E-01	3.0E-06
717	2.68	2.7E-06	1.2E+01	2.0E-03	1.0E-03	2.6E-05	1.6E-01	6.7E-01	2.7E-06
718	2.37	2.4E-06	1.1E+01	2.0E-03	1.0E-03	2.3E-05	1.6E-01	6.7E-01	2.4E-06
719	2.10	2.1E-06	9.4E+00	2.0E-03	1.0E-03	2.0E-05	1.6E-01	6.7E-01	2.1E-06
720	1.86	1.9E-06	8.3E+00	2.0E-03	1.0E-03	1.8E-05	1.6E-01	6.7E-01	1.9E-06
721	1.65	1.7E-06	7.4E+00	2.0E-03	1.0E-03	1.6E-05	1.6E-01	6.7E-01	1.7E-06
722	1.47	1.5E-06	6.6E+00	2.0E-03	1.0E-03	1.4E-05	1.6E-01	6.7E-01	1.5E-06
723	1.32	1.3E-06	5.9E+00	2.0E-03	1.0E-03	1.3E-05	1.6E-01	6.7E-01	1.3E-06
724	1.19	1.2E-06	5.3E+00	2.0E-03	1.0E-03	1.1E-05	1.6E-01	6.7E-01	1.2E-06
725	1.07	1.1E-06	4.8E+00	2.0E-03	1.0E-03	1.0E-05	1.6E-01	6.7E-01	1.1E-06
726	0.97	9.7E-07	4.4E+00	2.0E-03	1.0E-03	9.3E-06	1.6E-01	6.7E-01	9.7E-07
727	0.88	8.8E-07	4.0E+00	2.0E-03	1.0E-03	8.4E-06	1.6E-01	6.7E-01	8.8E-07
728	0.81	8.1E-07	3.6E+00	2.0E-03	1.0E-03	7.7E-06	1.6E-01	6.7E-01	8.1E-07
729	1.11	1.1E-06	5.0E+00	2.0E-03	1.0E-03	1.1E-05	1.6E-01	6.7E-01	1.1E-06
730	1.28	1.3E-06	5.7E+00	2.0E-03	1.0E-03	1.2E-05	1.6E-01	6.7E-01	1.3E-06
731	1.47	1.5E-06	6.6E+00	2.0E-03	1.0E-03	1.4E-05	1.6E-01	6.7E-01	1.5E-06

Franklin School Project
Risk From Modernization Const - Unmitigated Residential

	7.80	Max					Onsite		
Receptor #	**Total/ Million**	**Total**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
732	1.70	1.7E-06	7.6E+00	2.0E-03	1.0E-03	1.6E-05	1.6E-01	6.7E-01	1.7E-06
733	1.96	2.0E-06	8.7E+00	2.0E-03	1.0E-03	1.9E-05	1.6E-01	6.7E-01	2.0E-06
734	2.24	2.2E-06	1.0E+01	2.0E-03	1.0E-03	2.1E-05	1.6E-01	6.7E-01	2.2E-06
735	2.52	2.5E-06	1.1E+01	2.0E-03	1.0E-03	2.4E-05	1.6E-01	6.7E-01	2.5E-06
736	2.77	2.8E-06	1.2E+01	2.0E-03	1.0E-03	2.6E-05	1.6E-01	6.7E-01	2.8E-06
737	2.95	3.0E-06	1.3E+01	2.0E-03	1.0E-03	2.8E-05	1.6E-01	6.7E-01	2.9E-06
738	3.04	3.0E-06	1.4E+01	2.0E-03	1.0E-03	2.9E-05	1.6E-01	6.7E-01	3.0E-06
739	3.03	3.0E-06	1.4E+01	2.0E-03	1.0E-03	2.9E-05	1.6E-01	6.7E-01	3.0E-06
740	2.91	2.9E-06	1.3E+01	2.0E-03	1.0E-03	2.8E-05	1.6E-01	6.7E-01	2.9E-06
741	2.72	2.7E-06	1.2E+01	2.0E-03	1.0E-03	2.6E-05	1.6E-01	6.7E-01	2.7E-06
742	2.51	2.5E-06	1.1E+01	2.0E-03	1.0E-03	2.4E-05	1.6E-01	6.7E-01	2.5E-06
743	2.28	2.3E-06	1.0E+01	2.0E-03	1.0E-03	2.2E-05	1.6E-01	6.7E-01	2.3E-06
744	2.06	2.1E-06	9.2E+00	2.0E-03	1.0E-03	2.0E-05	1.6E-01	6.7E-01	2.1E-06
745	1.85	1.9E-06	8.3E+00	2.0E-03	1.0E-03	1.8E-05	1.6E-01	6.7E-01	1.9E-06
746	1.66	1.7E-06	7.4E+00	2.0E-03	1.0E-03	1.6E-05	1.6E-01	6.7E-01	1.7E-06
747	1.49	1.5E-06	6.7E+00	2.0E-03	1.0E-03	1.4E-05	1.6E-01	6.7E-01	1.5E-06
748	1.34	1.3E-06	6.0E+00	2.0E-03	1.0E-03	1.3E-05	1.6E-01	6.7E-01	1.3E-06
749	1.21	1.2E-06	5.4E+00	2.0E-03	1.0E-03	1.2E-05	1.6E-01	6.7E-01	1.2E-06
750	1.10	1.1E-06	4.9E+00	2.0E-03	1.0E-03	1.0E-05	1.6E-01	6.7E-01	1.1E-06
751	1.00	1.0E-06	4.5E+00	2.0E-03	1.0E-03	9.5E-06	1.6E-01	6.7E-01	1.0E-06
752	0.91	9.1E-07	4.1E+00	2.0E-03	1.0E-03	8.6E-06	1.6E-01	6.7E-01	9.1E-07
753	0.83	8.3E-07	3.7E+00	2.0E-03	1.0E-03	7.9E-06	1.6E-01	6.7E-01	8.3E-07
754	0.76	7.6E-07	3.4E+00	2.0E-03	1.0E-03	7.2E-06	1.6E-01	6.7E-01	7.6E-07
755	1.00	1.0E-06	4.5E+00	2.0E-03	1.0E-03	9.5E-06	1.6E-01	6.7E-01	1.0E-06
756	1.13	1.1E-06	5.1E+00	2.0E-03	1.0E-03	1.1E-05	1.6E-01	6.7E-01	1.1E-06
757	1.29	1.3E-06	5.8E+00	2.0E-03	1.0E-03	1.2E-05	1.6E-01	6.7E-01	1.3E-06
758	1.46	1.5E-06	6.5E+00	2.0E-03	1.0E-03	1.4E-05	1.6E-01	6.7E-01	1.5E-06
759	1.66	1.7E-06	7.4E+00	2.0E-03	1.0E-03	1.6E-05	1.6E-01	6.7E-01	1.7E-06
760	1.86	1.9E-06	8.3E+00	2.0E-03	1.0E-03	1.8E-05	1.6E-01	6.7E-01	1.9E-06
761	2.05	2.1E-06	9.2E+00	2.0E-03	1.0E-03	2.0E-05	1.6E-01	6.7E-01	2.0E-06
762	2.22	2.2E-06	9.9E+00	2.0E-03	1.0E-03	2.1E-05	1.6E-01	6.7E-01	2.2E-06
763	2.35	2.4E-06	1.1E+01	2.0E-03	1.0E-03	2.2E-05	1.6E-01	6.7E-01	2.4E-06
764	2.42	2.4E-06	1.1E+01	2.0E-03	1.0E-03	2.3E-05	1.6E-01	6.7E-01	2.4E-06
765	2.43	2.4E-06	1.1E+01	2.0E-03	1.0E-03	2.3E-05	1.6E-01	6.7E-01	2.4E-06
766	2.37	2.4E-06	1.1E+01	2.0E-03	1.0E-03	2.3E-05	1.6E-01	6.7E-01	2.4E-06
767	2.26	2.3E-06	1.0E+01	2.0E-03	1.0E-03	2.1E-05	1.6E-01	6.7E-01	2.3E-06
768	2.12	2.1E-06	9.5E+00	2.0E-03	1.0E-03	2.0E-05	1.6E-01	6.7E-01	2.1E-06
769	1.96	2.0E-06	8.8E+00	2.0E-03	1.0E-03	1.9E-05	1.6E-01	6.7E-01	2.0E-06
770	1.80	1.8E-06	8.0E+00	2.0E-03	1.0E-03	1.7E-05	1.6E-01	6.7E-01	1.8E-06
771	1.64	1.6E-06	7.3E+00	2.0E-03	1.0E-03	1.6E-05	1.6E-01	6.7E-01	1.6E-06
772	1.49	1.5E-06	6.7E+00	2.0E-03	1.0E-03	1.4E-05	1.6E-01	6.7E-01	1.5E-06
773	1.36	1.4E-06	6.1E+00	2.0E-03	1.0E-03	1.3E-05	1.6E-01	6.7E-01	1.4E-06
774	1.23	1.2E-06	5.5E+00	2.0E-03	1.0E-03	1.2E-05	1.6E-01	6.7E-01	1.2E-06

Franklin School Project
Risk From Modernization Const - Unmitigated Residential

	7.80	Max					Onsite		
Receptor #	**Total/ Million**	**Total**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
775	1.11	1.1E-06	5.0E+00	2.0E-03	1.0E-03	1.1E-05	1.6E-01	6.7E-01	1.1E-06
776	1.02	1.0E-06	4.5E+00	2.0E-03	1.0E-03	9.7E-06	1.6E-01	6.7E-01	1.0E-06
777	0.93	9.3E-07	4.2E+00	2.0E-03	1.0E-03	8.8E-06	1.6E-01	6.7E-01	9.3E-07
778	0.85	8.5E-07	3.8E+00	2.0E-03	1.0E-03	8.1E-06	1.6E-01	6.7E-01	8.5E-07
779	0.78	7.8E-07	3.5E+00	2.0E-03	1.0E-03	7.4E-06	1.6E-01	6.7E-01	7.8E-07
780	0.72	7.2E-07	3.2E+00	2.0E-03	1.0E-03	6.8E-06	1.6E-01	6.7E-01	7.2E-07
781	0.90	9.0E-07	4.0E+00	2.0E-03	1.0E-03	8.6E-06	1.6E-01	6.7E-01	9.0E-07
782	1.01	1.0E-06	4.5E+00	2.0E-03	1.0E-03	9.6E-06	1.6E-01	6.7E-01	1.0E-06
783	1.14	1.1E-06	5.1E+00	2.0E-03	1.0E-03	1.1E-05	1.6E-01	6.7E-01	1.1E-06
784	1.27	1.3E-06	5.7E+00	2.0E-03	1.0E-03	1.2E-05	1.6E-01	6.7E-01	1.3E-06
785	1.42	1.4E-06	6.3E+00	2.0E-03	1.0E-03	1.3E-05	1.6E-01	6.7E-01	1.4E-06
786	1.57	1.6E-06	7.0E+00	2.0E-03	1.0E-03	1.5E-05	1.6E-01	6.7E-01	1.6E-06
787	1.71	1.7E-06	7.6E+00	2.0E-03	1.0E-03	1.6E-05	1.6E-01	6.7E-01	1.7E-06
788	1.83	1.8E-06	8.2E+00	2.0E-03	1.0E-03	1.7E-05	1.6E-01	6.7E-01	1.8E-06
789	1.93	1.9E-06	8.6E+00	2.0E-03	1.0E-03	1.8E-05	1.6E-01	6.7E-01	1.9E-06
790	1.98	2.0E-06	8.9E+00	2.0E-03	1.0E-03	1.9E-05	1.6E-01	6.7E-01	2.0E-06
791	2.00	2.0E-06	8.9E+00	2.0E-03	1.0E-03	1.9E-05	1.6E-01	6.7E-01	2.0E-06
792	1.97	2.0E-06	8.8E+00	2.0E-03	1.0E-03	1.9E-05	1.6E-01	6.7E-01	2.0E-06
793	1.90	1.9E-06	8.5E+00	2.0E-03	1.0E-03	1.8E-05	1.6E-01	6.7E-01	1.9E-06
794	1.81	1.8E-06	8.1E+00	2.0E-03	1.0E-03	1.7E-05	1.6E-01	6.7E-01	1.8E-06
795	1.70	1.7E-06	7.6E+00	2.0E-03	1.0E-03	1.6E-05	1.6E-01	6.7E-01	1.7E-06
796	1.58	1.6E-06	7.1E+00	2.0E-03	1.0E-03	1.5E-05	1.6E-01	6.7E-01	1.6E-06
797	1.46	1.5E-06	6.5E+00	2.0E-03	1.0E-03	1.4E-05	1.6E-01	6.7E-01	1.5E-06
798	1.34	1.3E-06	6.0E+00	2.0E-03	1.0E-03	1.3E-05	1.6E-01	6.7E-01	1.3E-06
799	1.23	1.2E-06	5.5E+00	2.0E-03	1.0E-03	1.2E-05	1.6E-01	6.7E-01	1.2E-06
800	1.12	1.1E-06	5.0E+00	2.0E-03	1.0E-03	1.1E-05	1.6E-01	6.7E-01	1.1E-06
801	1.03	1.0E-06	4.6E+00	2.0E-03	1.0E-03	9.8E-06	1.6E-01	6.7E-01	1.0E-06
802	0.94	9.4E-07	4.2E+00	2.0E-03	1.0E-03	9.0E-06	1.6E-01	6.7E-01	9.4E-07
803	0.87	8.7E-07	3.9E+00	2.0E-03	1.0E-03	8.3E-06	1.6E-01	6.7E-01	8.7E-07
804	0.80	8.0E-07	3.6E+00	2.0E-03	1.0E-03	7.6E-06	1.6E-01	6.7E-01	8.0E-07
805	0.74	7.4E-07	3.3E+00	2.0E-03	1.0E-03	7.0E-06	1.6E-01	6.7E-01	7.4E-07
806	0.68	6.8E-07	3.0E+00	2.0E-03	1.0E-03	6.5E-06	1.6E-01	6.7E-01	6.8E-07

Franklin School Project

Risk From Modernization Const - Unmitigated Residential

	Haul Route 1A							Haul Route 2A						
Receptor #	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
1	3.2E-01	2.4E-07	1.0E-03	8.2E-11	1.6E-01	6.7E-01	8.6E-12	3.4E-01	7.7E-07	1.0E-03	2.7E-10	1.6E-01	6.7E-01	2.9E-11
2	3.6E-01	2.4E-07	1.0E-03	9.3E-11	1.6E-01	6.7E-01	9.8E-12	3.9E-01	7.7E-07	1.0E-03	3.2E-10	1.6E-01	6.7E-01	3.3E-11
3	4.1E-01	2.4E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.1E-11	4.5E-01	7.7E-07	1.0E-03	3.6E-10	1.6E-01	6.7E-01	3.8E-11
4	4.6E-01	2.4E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.2E-11	5.2E-01	7.7E-07	1.0E-03	4.2E-10	1.6E-01	6.7E-01	4.4E-11
5	5.1E-01	2.4E-07	1.0E-03	1.3E-10	1.6E-01	6.7E-01	1.4E-11	5.8E-01	7.7E-07	1.0E-03	4.7E-10	1.6E-01	6.7E-01	4.9E-11
6	5.5E-01	2.4E-07	1.0E-03	1.4E-10	1.6E-01	6.7E-01	1.5E-11	6.5E-01	7.7E-07	1.0E-03	5.2E-10	1.6E-01	6.7E-01	5.5E-11
7	6.0E-01	2.4E-07	1.0E-03	1.5E-10	1.6E-01	6.7E-01	1.6E-11	7.1E-01	7.7E-07	1.0E-03	5.7E-10	1.6E-01	6.7E-01	6.0E-11
8	6.4E-01	2.4E-07	1.0E-03	1.6E-10	1.6E-01	6.7E-01	1.7E-11	7.7E-01	7.7E-07	1.0E-03	6.2E-10	1.6E-01	6.7E-01	6.5E-11
9	6.9E-01	2.4E-07	1.0E-03	1.8E-10	1.6E-01	6.7E-01	1.9E-11	8.4E-01	7.7E-07	1.0E-03	6.8E-10	1.6E-01	6.7E-01	7.1E-11
10	7.5E-01	2.4E-07	1.0E-03	1.9E-10	1.6E-01	6.7E-01	2.0E-11	9.2E-01	7.7E-07	1.0E-03	7.4E-10	1.6E-01	6.7E-01	7.8E-11
11	8.0E-01	2.4E-07	1.0E-03	2.1E-10	1.6E-01	6.7E-01	2.2E-11	9.9E-01	7.7E-07	1.0E-03	8.0E-10	1.6E-01	6.7E-01	8.4E-11
12	8.4E-01	2.4E-07	1.0E-03	2.1E-10	1.6E-01	6.7E-01	2.3E-11	1.0E+00	7.7E-07	1.0E-03	8.4E-10	1.6E-01	6.7E-01	8.8E-11
13	8.5E-01	2.4E-07	1.0E-03	2.2E-10	1.6E-01	6.7E-01	2.3E-11	1.0E+00	7.7E-07	1.0E-03	8.4E-10	1.6E-01	6.7E-01	8.8E-11
14	8.3E-01	2.4E-07	1.0E-03	2.1E-10	1.6E-01	6.7E-01	2.2E-11	1.0E+00	7.7E-07	1.0E-03	8.2E-10	1.6E-01	6.7E-01	8.6E-11
15	7.9E-01	2.4E-07	1.0E-03	2.0E-10	1.6E-01	6.7E-01	2.1E-11	9.5E-01	7.7E-07	1.0E-03	7.7E-10	1.6E-01	6.7E-01	8.1E-11
16	7.4E-01	2.4E-07	1.0E-03	1.9E-10	1.6E-01	6.7E-01	2.0E-11	8.8E-01	7.7E-07	1.0E-03	7.1E-10	1.6E-01	6.7E-01	7.4E-11
17	3.8E-01	2.4E-07	1.0E-03	9.6E-11	1.6E-01	6.7E-01	1.0E-11	3.9E-01	7.7E-07	1.0E-03	3.2E-10	1.6E-01	6.7E-01	3.3E-11
18	4.4E-01	2.4E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.2E-11	4.7E-01	7.7E-07	1.0E-03	3.8E-10	1.6E-01	6.7E-01	3.9E-11
19	5.1E-01	2.4E-07	1.0E-03	1.3E-10	1.6E-01	6.7E-01	1.4E-11	5.5E-01	7.7E-07	1.0E-03	4.5E-10	1.6E-01	6.7E-01	4.7E-11
20	5.8E-01	2.4E-07	1.0E-03	1.5E-10	1.6E-01	6.7E-01	1.6E-11	6.5E-01	7.7E-07	1.0E-03	5.3E-10	1.6E-01	6.7E-01	5.6E-11
21	6.6E-01	2.4E-07	1.0E-03	1.7E-10	1.6E-01	6.7E-01	1.8E-11	7.6E-01	7.7E-07	1.0E-03	6.2E-10	1.6E-01	6.7E-01	6.5E-11
22	7.3E-01	2.4E-07	1.0E-03	1.9E-10	1.6E-01	6.7E-01	2.0E-11	8.7E-01	7.7E-07	1.0E-03	7.0E-10	1.6E-01	6.7E-01	7.4E-11
23	8.0E-01	2.4E-07	1.0E-03	2.0E-10	1.6E-01	6.7E-01	2.1E-11	9.7E-01	7.7E-07	1.0E-03	7.9E-10	1.6E-01	6.7E-01	8.3E-11
24	8.7E-01	2.4E-07	1.0E-03	2.2E-10	1.6E-01	6.7E-01	2.4E-11	1.1E+00	7.7E-07	1.0E-03	8.8E-10	1.6E-01	6.7E-01	9.2E-11
25	9.6E-01	2.4E-07	1.0E-03	2.5E-10	1.6E-01	6.7E-01	2.6E-11	1.2E+00	7.7E-07	1.0E-03	9.8E-10	1.6E-01	6.7E-01	1.0E-10
26	1.1E+00	2.4E-07	1.0E-03	2.7E-10	1.6E-01	6.7E-01	2.8E-11	1.3E+00	7.7E-07	1.0E-03	1.1E-09	1.6E-01	6.7E-01	1.1E-10
27	1.1E+00	2.4E-07	1.0E-03	2.8E-10	1.6E-01	6.7E-01	3.0E-11	1.4E+00	7.7E-07	1.0E-03	1.1E-09	1.6E-01	6.7E-01	1.2E-10
28	1.1E+00	2.4E-07	1.0E-03	2.9E-10	1.6E-01	6.7E-01	3.0E-11	1.4E+00	7.7E-07	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.2E-10
29	1.1E+00	2.4E-07	1.0E-03	2.8E-10	1.6E-01	6.7E-01	3.0E-11	1.4E+00	7.7E-07	1.0E-03	1.1E-09	1.6E-01	6.7E-01	1.2E-10
30	1.0E+00	2.4E-07	1.0E-03	2.7E-10	1.6E-01	6.7E-01	2.8E-11	1.3E+00	7.7E-07	1.0E-03	1.0E-09	1.6E-01	6.7E-01	1.1E-10
31	9.6E-01	2.4E-07	1.0E-03	2.5E-10	1.6E-01	6.7E-01	2.6E-11	1.2E+00	7.7E-07	1.0E-03	9.3E-10	1.6E-01	6.7E-01	9.8E-11
32	8.7E-01	2.4E-07	1.0E-03	2.2E-10	1.6E-01	6.7E-01	2.3E-11	1.0E+00	7.7E-07	1.0E-03	8.2E-10	1.6E-01	6.7E-01	8.6E-11
33	4.4E-01	2.4E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.2E-11	4.5E-01	7.7E-07	1.0E-03	3.7E-10	1.6E-01	6.7E-01	3.9E-11
34	5.3E-01	2.4E-07	1.0E-03	1.4E-10	1.6E-01	6.7E-01	1.4E-11	5.6E-01	7.7E-07	1.0E-03	4.5E-10	1.6E-01	6.7E-01	4.7E-11
35	6.3E-01	2.4E-07	1.0E-03	1.6E-10	1.6E-01	6.7E-01	1.7E-11	6.9E-01	7.7E-07	1.0E-03	5.5E-10	1.6E-01	6.7E-01	5.8E-11
36	7.6E-01	2.4E-07	1.0E-03	1.9E-10	1.6E-01	6.7E-01	2.0E-11	8.5E-01	7.7E-07	1.0E-03	6.9E-10	1.6E-01	6.7E-01	7.2E-11
37	8.9E-01	2.4E-07	1.0E-03	2.3E-10	1.6E-01	6.7E-01	2.4E-11	1.0E+00	7.7E-07	1.0E-03	8.4E-10	1.6E-01	6.7E-01	8.8E-11
38	1.0E+00	2.4E-07	1.0E-03	2.6E-10	1.6E-01	6.7E-01	2.7E-11	1.2E+00	7.7E-07	1.0E-03	1.0E-09	1.6E-01	6.7E-01	1.1E-10
39	1.1E+00	2.4E-07	1.0E-03	2.9E-10	1.6E-01	6.7E-01	3.0E-11	1.4E+00	7.7E-07	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.2E-10
40	1.3E+00	2.4E-07	1.0E-03	3.2E-10	1.6E-01	6.7E-01	3.4E-11	1.6E+00	7.7E-07	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.4E-10
41	1.4E+00	2.4E-07	1.0E-03	3.6E-10	1.6E-01	6.7E-01	3.8E-11	1.9E+00	7.7E-07	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.6E-10
42	1.5E+00	2.4E-07	1.0E-03	3.9E-10	1.6E-01	6.7E-01	4.1E-11	2.1E+00	7.7E-07	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.7E-10
43	1.6E+00	2.4E-07	1.0E-03	4.0E-10	1.6E-01	6.7E-01	4.3E-11	2.1E+00	7.7E-07	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10

Franklin School Project

Risk From Modernization Const - Unmitigated Residential

	Haul Route 1A							Haul Route 2A						
Receptor #	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
44	1.5E+00	2.4E-07	1.0E-03	3.9E-10	1.6E-01	6.7E-01	4.1E-11	2.0E+00	7.7E-07	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10
45	1.4E+00	2.4E-07	1.0E-03	3.6E-10	1.6E-01	6.7E-01	3.8E-11	1.8E+00	7.7E-07	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.5E-10
46	1.3E+00	2.4E-07	1.0E-03	3.3E-10	1.6E-01	6.7E-01	3.4E-11	1.6E+00	7.7E-07	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.3E-10
47	1.1E+00	2.4E-07	1.0E-03	2.9E-10	1.6E-01	6.7E-01	3.0E-11	1.3E+00	7.7E-07	1.0E-03	1.1E-09	1.6E-01	6.7E-01	1.1E-10
48	9.8E-01	2.4E-07	1.0E-03	2.5E-10	1.6E-01	6.7E-01	2.6E-11	1.1E+00	7.7E-07	1.0E-03	9.2E-10	1.6E-01	6.7E-01	9.7E-11
49	5.2E-01	2.4E-07	1.0E-03	1.3E-10	1.6E-01	6.7E-01	1.4E-11	5.2E-01	7.7E-07	1.0E-03	4.2E-10	1.6E-01	6.7E-01	4.4E-11
50	6.4E-01	2.4E-07	1.0E-03	1.6E-10	1.6E-01	6.7E-01	1.7E-11	6.6E-01	7.7E-07	1.0E-03	5.3E-10	1.6E-01	6.7E-01	5.6E-11
51	8.1E-01	2.4E-07	1.0E-03	2.1E-10	1.6E-01	6.7E-01	2.2E-11	8.6E-01	7.7E-07	1.0E-03	6.9E-10	1.6E-01	6.7E-01	7.3E-11
52	1.0E+00	2.4E-07	1.0E-03	2.6E-10	1.6E-01	6.7E-01	2.7E-11	1.1E+00	7.7E-07	1.0E-03	9.1E-10	1.6E-01	6.7E-01	9.6E-11
53	1.3E+00	2.4E-07	1.0E-03	3.2E-10	1.6E-01	6.7E-01	3.4E-11	1.5E+00	7.7E-07	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.3E-10
54	1.5E+00	2.4E-07	1.0E-03	3.8E-10	1.6E-01	6.7E-01	4.0E-11	1.9E+00	7.7E-07	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.6E-10
55	1.7E+00	2.4E-07	1.0E-03	4.5E-10	1.6E-01	6.7E-01	4.7E-11	2.3E+00	7.7E-07	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10
56	2.0E+00	2.4E-07	1.0E-03	5.2E-10	1.6E-01	6.7E-01	5.4E-11	2.8E+00	7.7E-07	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.4E-10
57	2.3E+00	2.4E-07	1.0E-03	5.8E-10	1.6E-01	6.7E-01	6.1E-11	3.2E+00	7.7E-07	1.0E-03	2.6E-09	1.6E-01	6.7E-01	2.7E-10
58	2.4E+00	2.4E-07	1.0E-03	6.1E-10	1.6E-01	6.7E-01	6.4E-11	3.4E+00	7.7E-07	1.0E-03	2.7E-09	1.6E-01	6.7E-01	2.8E-10
59	2.3E+00	2.4E-07	1.0E-03	5.8E-10	1.6E-01	6.7E-01	6.1E-11	3.1E+00	7.7E-07	1.0E-03	2.5E-09	1.6E-01	6.7E-01	2.7E-10
60	2.1E+00	2.4E-07	1.0E-03	5.3E-10	1.6E-01	6.7E-01	5.5E-11	2.7E+00	7.7E-07	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.3E-10
61	1.8E+00	2.4E-07	1.0E-03	4.6E-10	1.6E-01	6.7E-01	4.8E-11	2.3E+00	7.7E-07	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10
62	1.5E+00	2.4E-07	1.0E-03	3.9E-10	1.6E-01	6.7E-01	4.1E-11	1.8E+00	7.7E-07	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.6E-10
63	1.3E+00	2.4E-07	1.0E-03	3.3E-10	1.6E-01	6.7E-01	3.4E-11	1.5E+00	7.7E-07	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.3E-10
64	1.1E+00	2.4E-07	1.0E-03	2.7E-10	1.6E-01	6.7E-01	2.9E-11	1.2E+00	7.7E-07	1.0E-03	9.8E-10	1.6E-01	6.7E-01	1.0E-10
65	6.0E-01	2.4E-07	1.0E-03	1.5E-10	1.6E-01	6.7E-01	1.6E-11	5.9E-01	7.7E-07	1.0E-03	4.8E-10	1.6E-01	6.7E-01	5.0E-11
66	7.8E-01	2.4E-07	1.0E-03	2.0E-10	1.6E-01	6.7E-01	2.1E-11	7.8E-01	7.7E-07	1.0E-03	6.3E-10	1.6E-01	6.7E-01	6.6E-11
67	1.0E+00	2.4E-07	1.0E-03	2.7E-10	1.6E-01	6.7E-01	2.8E-11	1.1E+00	7.7E-07	1.0E-03	8.6E-10	1.6E-01	6.7E-01	9.1E-11
68	1.4E+00	2.4E-07	1.0E-03	3.6E-10	1.6E-01	6.7E-01	3.8E-11	1.5E+00	7.7E-07	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.3E-10
69	1.9E+00	2.4E-07	1.0E-03	4.9E-10	1.6E-01	6.7E-01	5.1E-11	2.2E+00	7.7E-07	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10
70	2.5E+00	2.4E-07	1.0E-03	6.3E-10	1.6E-01	6.7E-01	6.6E-11	3.3E+00	7.7E-07	1.0E-03	2.6E-09	1.6E-01	6.7E-01	2.8E-10
71	3.0E+00	2.4E-07	1.0E-03	7.8E-10	1.6E-01	6.7E-01	8.2E-11	4.5E+00	7.7E-07	1.0E-03	3.6E-09	1.6E-01	6.7E-01	3.8E-10
72	3.6E+00	2.4E-07	1.0E-03	9.3E-10	1.6E-01	6.7E-01	9.8E-11	5.6E+00	7.7E-07	1.0E-03	4.6E-09	1.6E-01	6.7E-01	4.8E-10
73	3.9E+00	2.4E-07	1.0E-03	1.0E-09	1.6E-01	6.7E-01	1.1E-10	6.2E+00	7.7E-07	1.0E-03	5.0E-09	1.6E-01	6.7E-01	5.3E-10
74	3.7E+00	2.4E-07	1.0E-03	9.5E-10	1.6E-01	6.7E-01	1.0E-10	5.6E+00	7.7E-07	1.0E-03	4.5E-09	1.6E-01	6.7E-01	4.8E-10
75	3.2E+00	2.4E-07	1.0E-03	8.2E-10	1.6E-01	6.7E-01	8.6E-11	4.5E+00	7.7E-07	1.0E-03	3.6E-09	1.6E-01	6.7E-01	3.8E-10
76	2.6E+00	2.4E-07	1.0E-03	6.7E-10	1.6E-01	6.7E-01	7.1E-11	3.4E+00	7.7E-07	1.0E-03	2.8E-09	1.6E-01	6.7E-01	2.9E-10
77	2.1E+00	2.4E-07	1.0E-03	5.4E-10	1.6E-01	6.7E-01	5.7E-11	2.6E+00	7.7E-07	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.2E-10
78	1.7E+00	2.4E-07	1.0E-03	4.3E-10	1.6E-01	6.7E-01	4.5E-11	2.0E+00	7.7E-07	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10
79	1.4E+00	2.4E-07	1.0E-03	3.5E-10	1.6E-01	6.7E-01	3.7E-11	1.5E+00	7.7E-07	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.3E-10
80	1.1E+00	2.4E-07	1.0E-03	2.8E-10	1.6E-01	6.7E-01	3.0E-11	1.2E+00	7.7E-07	1.0E-03	9.9E-10	1.6E-01	6.7E-01	1.0E-10
81	6.8E-01	2.4E-07	1.0E-03	1.8E-10	1.6E-01	6.7E-01	1.8E-11	6.5E-01	7.7E-07	1.0E-03	5.2E-10	1.6E-01	6.7E-01	5.5E-11
82	9.3E-01	2.4E-07	1.0E-03	2.4E-10	1.6E-01	6.7E-01	2.5E-11	8.8E-01	7.7E-07	1.0E-03	7.1E-10	1.6E-01	6.7E-01	7.5E-11
83	1.3E+00	2.4E-07	1.0E-03	3.4E-10	1.6E-01	6.7E-01	3.5E-11	1.3E+00	7.7E-07	1.0E-03	1.0E-09	1.6E-01	6.7E-01	1.1E-10
84	2.0E+00	2.4E-07	1.0E-03	5.1E-10	1.6E-01	6.7E-01	5.3E-11	2.0E+00	7.7E-07	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10
85	3.1E+00	2.4E-07	1.0E-03	7.9E-10	1.6E-01	6.7E-01	8.3E-11	3.5E+00	7.7E-07	1.0E-03	2.8E-09	1.6E-01	6.7E-01	2.9E-10
86	4.8E+00	2.4E-07	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.3E-10	6.5E+00	7.7E-07	1.0E-03	5.2E-09	1.6E-01	6.7E-01	5.5E-10

Franklin School Project

Risk From Modernization Const - Unmitigated Residential

	Haul Route 1A							Haul Route 2A						
Receptor #	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
87	6.6E+00	2.4E-07	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10	1.1E+01	7.7E-07	1.0E-03	9.1E-09	1.6E-01	6.7E-01	9.6E-10
88	7.9E+00	2.4E-07	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10	1.5E+01	7.7E-07	1.0E-03	1.2E-08	1.6E-01	6.7E-01	1.3E-09
89	7.2E+00	2.4E-07	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10	1.3E+01	7.7E-07	1.0E-03	1.0E-08	1.6E-01	6.7E-01	1.1E-09
90	5.6E+00	2.4E-07	1.0E-03	1.4E-09	1.6E-01	6.7E-01	1.5E-10	8.7E+00	7.7E-07	1.0E-03	7.1E-09	1.6E-01	6.7E-01	7.4E-10
91	4.2E+00	2.4E-07	1.0E-03	1.1E-09	1.6E-01	6.7E-01	1.1E-10	5.7E+00	7.7E-07	1.0E-03	4.6E-09	1.6E-01	6.7E-01	4.9E-10
92	3.1E+00	2.4E-07	1.0E-03	7.9E-10	1.6E-01	6.7E-01	8.3E-11	3.9E+00	7.7E-07	1.0E-03	3.1E-09	1.6E-01	6.7E-01	3.3E-10
93	2.3E+00	2.4E-07	1.0E-03	5.9E-10	1.6E-01	6.7E-01	6.2E-11	2.7E+00	7.7E-07	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.3E-10
94	1.8E+00	2.4E-07	1.0E-03	4.5E-10	1.6E-01	6.7E-01	4.7E-11	2.0E+00	7.7E-07	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10
95	1.4E+00	2.4E-07	1.0E-03	3.5E-10	1.6E-01	6.7E-01	3.7E-11	1.5E+00	7.7E-07	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.3E-10
96	1.1E+00	2.4E-07	1.0E-03	2.8E-10	1.6E-01	6.7E-01	2.9E-11	1.2E+00	7.7E-07	1.0E-03	9.3E-10	1.6E-01	6.7E-01	9.8E-11
97	7.5E-01	2.4E-07	1.0E-03	1.9E-10	1.6E-01	6.7E-01	2.0E-11	6.8E-01	7.7E-07	1.0E-03	5.5E-10	1.6E-01	6.7E-01	5.8E-11
98	1.1E+00	2.4E-07	1.0E-03	2.7E-10	1.6E-01	6.7E-01	2.8E-11	9.5E-01	7.7E-07	1.0E-03	7.7E-10	1.6E-01	6.7E-01	8.0E-11
99	1.6E+00	2.4E-07	1.0E-03	4.1E-10	1.6E-01	6.7E-01	4.3E-11	1.4E+00	7.7E-07	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.2E-10
100	2.7E+00	2.4E-07	1.0E-03	6.9E-10	1.6E-01	6.7E-01	7.3E-11	2.5E+00	7.7E-07	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10
101	5.2E+00	2.4E-07	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.4E-10	5.0E+00	7.7E-07	1.0E-03	4.0E-09	1.6E-01	6.7E-01	4.3E-10
102	1.2E+01	2.4E-07	1.0E-03	3.0E-09	1.6E-01	6.7E-01	3.1E-10	1.4E+01	7.7E-07	1.0E-03	1.1E-08	1.6E-01	6.7E-01	1.2E-09
103	2.3E+01	2.4E-07	1.0E-03	6.0E-09	1.6E-01	6.7E-01	6.3E-10	5.4E+01	7.7E-07	1.0E-03	4.3E-08	1.6E-01	6.7E-01	4.6E-09
104	2.0E+01	2.4E-07	1.0E-03	5.1E-09	1.6E-01	6.7E-01	5.4E-10	6.1E+01	7.7E-07	1.0E-03	4.9E-08	1.6E-01	6.7E-01	5.1E-09
105	1.2E+01	2.4E-07	1.0E-03	3.1E-09	1.6E-01	6.7E-01	3.3E-10	2.4E+01	7.7E-07	1.0E-03	1.9E-08	1.6E-01	6.7E-01	2.0E-09
106	7.4E+00	2.4E-07	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10	1.1E+01	7.7E-07	1.0E-03	8.8E-09	1.6E-01	6.7E-01	9.3E-10
107	4.7E+00	2.4E-07	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.3E-10	6.0E+00	7.7E-07	1.0E-03	4.9E-09	1.6E-01	6.7E-01	5.1E-10
108	3.2E+00	2.4E-07	1.0E-03	8.2E-10	1.6E-01	6.7E-01	8.6E-11	3.8E+00	7.7E-07	1.0E-03	3.0E-09	1.6E-01	6.7E-01	3.2E-10
109	2.3E+00	2.4E-07	1.0E-03	5.8E-10	1.6E-01	6.7E-01	6.1E-11	2.5E+00	7.7E-07	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10
110	1.7E+00	2.4E-07	1.0E-03	4.3E-10	1.6E-01	6.7E-01	4.5E-11	1.8E+00	7.7E-07	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.5E-10
111	1.3E+00	2.4E-07	1.0E-03	3.3E-10	1.6E-01	6.7E-01	3.5E-11	1.3E+00	7.7E-07	1.0E-03	1.1E-09	1.6E-01	6.7E-01	1.1E-10
112	1.0E+00	2.4E-07	1.0E-03	2.6E-10	1.6E-01	6.7E-01	2.7E-11	1.0E+00	7.7E-07	1.0E-03	8.4E-10	1.6E-01	6.7E-01	8.8E-11
113	7.9E-01	2.4E-07	1.0E-03	2.0E-10	1.6E-01	6.7E-01	2.1E-11	6.9E-01	7.7E-07	1.0E-03	5.5E-10	1.6E-01	6.7E-01	5.8E-11
114	1.1E+00	2.4E-07	1.0E-03	2.9E-10	1.6E-01	6.7E-01	3.1E-11	9.7E-01	7.7E-07	1.0E-03	7.8E-10	1.6E-01	6.7E-01	8.2E-11
115	1.8E+00	2.4E-07	1.0E-03	4.6E-10	1.6E-01	6.7E-01	4.9E-11	1.5E+00	7.7E-07	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.3E-10
116	3.3E+00	2.4E-07	1.0E-03	8.4E-10	1.6E-01	6.7E-01	8.8E-11	2.6E+00	7.7E-07	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.2E-10
117	7.6E+00	2.4E-07	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10	5.5E+00	7.7E-07	1.0E-03	4.4E-09	1.6E-01	6.7E-01	4.6E-10
118	7.7E+00	2.4E-07	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10	9.6E+00	7.7E-07	1.0E-03	7.7E-09	1.6E-01	6.7E-01	8.1E-10
119	4.5E+00	2.4E-07	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.2E-10	5.1E+00	7.7E-07	1.0E-03	4.1E-09	1.6E-01	6.7E-01	4.3E-10
120	3.0E+00	2.4E-07	1.0E-03	7.6E-10	1.6E-01	6.7E-01	7.9E-11	3.2E+00	7.7E-07	1.0E-03	2.6E-09	1.6E-01	6.7E-01	2.7E-10
121	2.1E+00	2.4E-07	1.0E-03	5.3E-10	1.6E-01	6.7E-01	5.5E-11	2.1E+00	7.7E-07	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10
122	1.5E+00	2.4E-07	1.0E-03	3.9E-10	1.6E-01	6.7E-01	4.0E-11	1.5E+00	7.7E-07	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.3E-10
123	1.1E+00	2.4E-07	1.0E-03	2.9E-10	1.6E-01	6.7E-01	3.1E-11	1.2E+00	7.7E-07	1.0E-03	9.4E-10	1.6E-01	6.7E-01	9.9E-11
124	9.0E-01	2.4E-07	1.0E-03	2.3E-10	1.6E-01	6.7E-01	2.4E-11	9.0E-01	7.7E-07	1.0E-03	7.3E-10	1.6E-01	6.7E-01	7.7E-11
125	7.8E-01	2.4E-07	1.0E-03	2.0E-10	1.6E-01	6.7E-01	2.1E-11	6.6E-01	7.7E-07	1.0E-03	5.3E-10	1.6E-01	6.7E-01	5.6E-11
126	1.1E+00	2.4E-07	1.0E-03	2.9E-10	1.6E-01	6.7E-01	3.0E-11	9.1E-01	7.7E-07	1.0E-03	7.4E-10	1.6E-01	6.7E-01	7.7E-11
127	1.8E+00	2.4E-07	1.0E-03	4.6E-10	1.6E-01	6.7E-01	4.8E-11	1.4E+00	7.7E-07	1.0E-03	1.1E-09	1.6E-01	6.7E-01	1.1E-10
128	3.3E+00	2.4E-07	1.0E-03	8.4E-10	1.6E-01	6.7E-01	8.8E-11	2.2E+00	7.7E-07	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10
129	7.4E+00	2.4E-07	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10	4.1E+00	7.7E-07	1.0E-03	3.3E-09	1.6E-01	6.7E-01	3.5E-10

Franklin School Project

Risk From Modernization Const - Unmitigated Residential

	Haul Route 1A							Haul Route 2A						
Receptor #	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
130	6.3E+00	2.4E-07	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10	6.4E+00	7.7E-07	1.0E-03	5.2E-09	1.6E-01	6.7E-01	5.5E-10
131	3.7E+00	2.4E-07	1.0E-03	9.6E-10	1.6E-01	6.7E-01	1.0E-10	3.9E+00	7.7E-07	1.0E-03	3.1E-09	1.6E-01	6.7E-01	3.3E-10
132	2.4E+00	2.4E-07	1.0E-03	6.2E-10	1.6E-01	6.7E-01	6.6E-11	2.5E+00	7.7E-07	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10
133	1.7E+00	2.4E-07	1.0E-03	4.5E-10	1.6E-01	6.7E-01	4.7E-11	1.8E+00	7.7E-07	1.0E-03	1.4E-09	1.6E-01	6.7E-01	1.5E-10
134	1.3E+00	2.4E-07	1.0E-03	3.3E-10	1.6E-01	6.7E-01	3.5E-11	1.3E+00	7.7E-07	1.0E-03	1.1E-09	1.6E-01	6.7E-01	1.1E-10
135	9.9E-01	2.4E-07	1.0E-03	2.5E-10	1.6E-01	6.7E-01	2.7E-11	9.9E-01	7.7E-07	1.0E-03	8.0E-10	1.6E-01	6.7E-01	8.4E-11
136	7.8E-01	2.4E-07	1.0E-03	2.0E-10	1.6E-01	6.7E-01	2.1E-11	7.8E-01	7.7E-07	1.0E-03	6.3E-10	1.6E-01	6.7E-01	6.7E-11
137	7.4E-01	2.4E-07	1.0E-03	1.9E-10	1.6E-01	6.7E-01	2.0E-11	6.1E-01	7.7E-07	1.0E-03	4.9E-10	1.6E-01	6.7E-01	5.2E-11
138	1.0E+00	2.4E-07	1.0E-03	2.7E-10	1.6E-01	6.7E-01	2.8E-11	8.2E-01	7.7E-07	1.0E-03	6.6E-10	1.6E-01	6.7E-01	6.9E-11
139	1.6E+00	2.4E-07	1.0E-03	4.0E-10	1.6E-01	6.7E-01	4.2E-11	1.1E+00	7.7E-07	1.0E-03	9.3E-10	1.6E-01	6.7E-01	9.7E-11
140	2.7E+00	2.4E-07	1.0E-03	6.9E-10	1.6E-01	6.7E-01	7.2E-11	1.7E+00	7.7E-07	1.0E-03	1.4E-09	1.6E-01	6.7E-01	1.5E-10
141	5.0E+00	2.4E-07	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.3E-10	2.7E+00	7.7E-07	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.3E-10
142	4.5E+00	2.4E-07	1.0E-03	1.1E-09	1.6E-01	6.7E-01	1.2E-10	4.2E+00	7.7E-07	1.0E-03	3.4E-09	1.6E-01	6.7E-01	3.5E-10
143	2.9E+00	2.4E-07	1.0E-03	7.3E-10	1.6E-01	6.7E-01	7.7E-11	2.8E+00	7.7E-07	1.0E-03	2.3E-09	1.6E-01	6.7E-01	2.4E-10
144	2.0E+00	2.4E-07	1.0E-03	5.0E-10	1.6E-01	6.7E-01	5.3E-11	2.0E+00	7.7E-07	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10
145	1.5E+00	2.4E-07	1.0E-03	3.7E-10	1.6E-01	6.7E-01	3.9E-11	1.5E+00	7.7E-07	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.3E-10
146	1.1E+00	2.4E-07	1.0E-03	2.8E-10	1.6E-01	6.7E-01	3.0E-11	1.1E+00	7.7E-07	1.0E-03	9.0E-10	1.6E-01	6.7E-01	9.5E-11
147	8.6E-01	2.4E-07	1.0E-03	2.2E-10	1.6E-01	6.7E-01	2.3E-11	8.7E-01	7.7E-07	1.0E-03	7.0E-10	1.6E-01	6.7E-01	7.4E-11
148	6.9E-01	2.4E-07	1.0E-03	1.8E-10	1.6E-01	6.7E-01	1.8E-11	6.9E-01	7.7E-07	1.0E-03	5.6E-10	1.6E-01	6.7E-01	5.9E-11
149	6.7E-01	2.4E-07	1.0E-03	1.7E-10	1.6E-01	6.7E-01	1.8E-11	5.4E-01	7.7E-07	1.0E-03	4.4E-10	1.6E-01	6.7E-01	4.6E-11
150	9.0E-01	2.4E-07	1.0E-03	2.3E-10	1.6E-01	6.7E-01	2.4E-11	7.0E-01	7.7E-07	1.0E-03	5.6E-10	1.6E-01	6.7E-01	5.9E-11
151	1.3E+00	2.4E-07	1.0E-03	3.3E-10	1.6E-01	6.7E-01	3.5E-11	9.4E-01	7.7E-07	1.0E-03	7.6E-10	1.6E-01	6.7E-01	8.0E-11
152	2.0E+00	2.4E-07	1.0E-03	5.0E-10	1.6E-01	6.7E-01	5.3E-11	1.3E+00	7.7E-07	1.0E-03	1.1E-09	1.6E-01	6.7E-01	1.1E-10
153	3.1E+00	2.4E-07	1.0E-03	8.0E-10	1.6E-01	6.7E-01	8.4E-11	1.9E+00	7.7E-07	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.6E-10
154	3.3E+00	2.4E-07	1.0E-03	8.5E-10	1.6E-01	6.7E-01	9.0E-11	3.0E+00	7.7E-07	1.0E-03	2.4E-09	1.6E-01	6.7E-01	2.5E-10
155	2.3E+00	2.4E-07	1.0E-03	5.8E-10	1.6E-01	6.7E-01	6.1E-11	2.2E+00	7.7E-07	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10
156	1.6E+00	2.4E-07	1.0E-03	4.1E-10	1.6E-01	6.7E-01	4.3E-11	1.6E+00	7.7E-07	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.4E-10
157	1.2E+00	2.4E-07	1.0E-03	3.2E-10	1.6E-01	6.7E-01	3.4E-11	1.3E+00	7.7E-07	1.0E-03	1.0E-09	1.6E-01	6.7E-01	1.1E-10
158	9.6E-01	2.4E-07	1.0E-03	2.5E-10	1.6E-01	6.7E-01	2.6E-11	9.8E-01	7.7E-07	1.0E-03	7.9E-10	1.6E-01	6.7E-01	8.3E-11
159	7.6E-01	2.4E-07	1.0E-03	1.9E-10	1.6E-01	6.7E-01	2.0E-11	7.8E-01	7.7E-07	1.0E-03	6.3E-10	1.6E-01	6.7E-01	6.6E-11
160	6.1E-01	2.4E-07	1.0E-03	1.6E-10	1.6E-01	6.7E-01	1.6E-11	6.3E-01	7.7E-07	1.0E-03	5.1E-10	1.6E-01	6.7E-01	5.3E-11
161	5.9E-01	2.4E-07	1.0E-03	1.5E-10	1.6E-01	6.7E-01	1.6E-11	4.7E-01	7.7E-07	1.0E-03	3.8E-10	1.6E-01	6.7E-01	4.0E-11
162	7.6E-01	2.4E-07	1.0E-03	1.9E-10	1.6E-01	6.7E-01	2.0E-11	5.9E-01	7.7E-07	1.0E-03	4.8E-10	1.6E-01	6.7E-01	5.0E-11
163	1.0E+00	2.4E-07	1.0E-03	2.6E-10	1.6E-01	6.7E-01	2.7E-11	7.6E-01	7.7E-07	1.0E-03	6.1E-10	1.6E-01	6.7E-01	6.4E-11
164	1.4E+00	2.4E-07	1.0E-03	3.7E-10	1.6E-01	6.7E-01	3.8E-11	1.0E+00	7.7E-07	1.0E-03	8.1E-10	1.6E-01	6.7E-01	8.5E-11
165	2.1E+00	2.4E-07	1.0E-03	5.4E-10	1.6E-01	6.7E-01	5.7E-11	1.4E+00	7.7E-07	1.0E-03	1.1E-09	1.6E-01	6.7E-01	1.2E-10
166	2.9E+00	2.4E-07	1.0E-03	7.5E-10	1.6E-01	6.7E-01	7.9E-11	1.8E+00	7.7E-07	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.5E-10
167	3.6E+00	2.4E-07	1.0E-03	9.2E-10	1.6E-01	6.7E-01	9.6E-11	2.2E+00	7.7E-07	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10
168	3.6E+00	2.4E-07	1.0E-03	9.3E-10	1.6E-01	6.7E-01	9.8E-11	2.5E+00	7.7E-07	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10
169	3.1E+00	2.4E-07	1.0E-03	8.1E-10	1.6E-01	6.7E-01	8.5E-11	2.4E+00	7.7E-07	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.0E-10
170	2.5E+00	2.4E-07	1.0E-03	6.3E-10	1.6E-01	6.7E-01	6.6E-11	2.1E+00	7.7E-07	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10
171	1.9E+00	2.4E-07	1.0E-03	4.8E-10	1.6E-01	6.7E-01	5.0E-11	1.7E+00	7.7E-07	1.0E-03	1.4E-09	1.6E-01	6.7E-01	1.5E-10
172	1.3E+00	2.4E-07	1.0E-03	3.4E-10	1.6E-01	6.7E-01	3.6E-11	1.3E+00	7.7E-07	1.0E-03	1.1E-09	1.6E-01	6.7E-01	1.1E-10

Franklin School Project

Risk From Modernization Const - Unmitigated Residential

	Haul Route 1A							Haul Route 2A						
Receptor #	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
173	1.0E+00	2.4E-07	1.0E-03	2.7E-10	1.6E-01	6.7E-01	2.8E-11	1.1E+00	7.7E-07	1.0E-03	8.5E-10	1.6E-01	6.7E-01	8.9E-11
174	8.5E-01	2.4E-07	1.0E-03	2.2E-10	1.6E-01	6.7E-01	2.3E-11	8.7E-01	7.7E-07	1.0E-03	7.1E-10	1.6E-01	6.7E-01	7.4E-11
175	6.8E-01	2.4E-07	1.0E-03	1.8E-10	1.6E-01	6.7E-01	1.8E-11	7.0E-01	7.7E-07	1.0E-03	5.7E-10	1.6E-01	6.7E-01	6.0E-11
176	5.6E-01	2.4E-07	1.0E-03	1.4E-10	1.6E-01	6.7E-01	1.5E-11	5.7E-01	7.7E-07	1.0E-03	4.6E-10	1.6E-01	6.7E-01	4.9E-11
177	5.1E-01	2.4E-07	1.0E-03	1.3E-10	1.6E-01	6.7E-01	1.4E-11	4.1E-01	7.7E-07	1.0E-03	3.3E-10	1.6E-01	6.7E-01	3.5E-11
178	6.4E-01	2.4E-07	1.0E-03	1.6E-10	1.6E-01	6.7E-01	1.7E-11	5.0E-01	7.7E-07	1.0E-03	4.1E-10	1.6E-01	6.7E-01	4.3E-11
179	8.2E-01	2.4E-07	1.0E-03	2.1E-10	1.6E-01	6.7E-01	2.2E-11	6.2E-01	7.7E-07	1.0E-03	5.0E-10	1.6E-01	6.7E-01	5.3E-11
180	1.1E+00	2.4E-07	1.0E-03	2.8E-10	1.6E-01	6.7E-01	2.9E-11	8.0E-01	7.7E-07	1.0E-03	6.4E-10	1.6E-01	6.7E-01	6.7E-11
181	1.5E+00	2.4E-07	1.0E-03	3.8E-10	1.6E-01	6.7E-01	4.0E-11	1.0E+00	7.7E-07	1.0E-03	8.3E-10	1.6E-01	6.7E-01	8.7E-11
182	1.9E+00	2.4E-07	1.0E-03	4.8E-10	1.6E-01	6.7E-01	5.1E-11	1.3E+00	7.7E-07	1.0E-03	1.0E-09	1.6E-01	6.7E-01	1.1E-10
183	2.2E+00	2.4E-07	1.0E-03	5.7E-10	1.6E-01	6.7E-01	5.9E-11	1.5E+00	7.7E-07	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.3E-10
184	2.3E+00	2.4E-07	1.0E-03	5.9E-10	1.6E-01	6.7E-01	6.2E-11	1.7E+00	7.7E-07	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.4E-10
185	2.2E+00	2.4E-07	1.0E-03	5.5E-10	1.6E-01	6.7E-01	5.8E-11	1.7E+00	7.7E-07	1.0E-03	1.4E-09	1.6E-01	6.7E-01	1.4E-10
186	1.8E+00	2.4E-07	1.0E-03	4.7E-10	1.6E-01	6.7E-01	4.9E-11	1.6E+00	7.7E-07	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.3E-10
187	1.5E+00	2.4E-07	1.0E-03	3.8E-10	1.6E-01	6.7E-01	4.0E-11	1.4E+00	7.7E-07	1.0E-03	1.1E-09	1.6E-01	6.7E-01	1.2E-10
188	1.2E+00	2.4E-07	1.0E-03	3.0E-10	1.6E-01	6.7E-01	3.2E-11	1.1E+00	7.7E-07	1.0E-03	9.2E-10	1.6E-01	6.7E-01	9.6E-11
189	9.0E-01	2.4E-07	1.0E-03	2.3E-10	1.6E-01	6.7E-01	2.4E-11	9.0E-01	7.7E-07	1.0E-03	7.2E-10	1.6E-01	6.7E-01	7.6E-11
190	7.6E-01	2.4E-07	1.0E-03	1.9E-10	1.6E-01	6.7E-01	2.0E-11	7.7E-01	7.7E-07	1.0E-03	6.2E-10	1.6E-01	6.7E-01	6.5E-11
191	6.3E-01	2.4E-07	1.0E-03	1.6E-10	1.6E-01	6.7E-01	1.7E-11	6.4E-01	7.7E-07	1.0E-03	5.2E-10	1.6E-01	6.7E-01	5.4E-11
192	5.2E-01	2.4E-07	1.0E-03	1.3E-10	1.6E-01	6.7E-01	1.4E-11	5.3E-01	7.7E-07	1.0E-03	4.3E-10	1.6E-01	6.7E-01	4.5E-11
193	4.4E-01	2.4E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.2E-11	3.6E-01	7.7E-07	1.0E-03	2.9E-10	1.6E-01	6.7E-01	3.1E-11
194	5.4E-01	2.4E-07	1.0E-03	1.4E-10	1.6E-01	6.7E-01	1.4E-11	4.3E-01	7.7E-07	1.0E-03	3.5E-10	1.6E-01	6.7E-01	3.7E-11
195	6.7E-01	2.4E-07	1.0E-03	1.7E-10	1.6E-01	6.7E-01	1.8E-11	5.3E-01	7.7E-07	1.0E-03	4.2E-10	1.6E-01	6.7E-01	4.5E-11
196	8.6E-01	2.4E-07	1.0E-03	2.2E-10	1.6E-01	6.7E-01	2.3E-11	6.5E-01	7.7E-07	1.0E-03	5.2E-10	1.6E-01	6.7E-01	5.5E-11
197	1.1E+00	2.4E-07	1.0E-03	2.8E-10	1.6E-01	6.7E-01	2.9E-11	8.0E-01	7.7E-07	1.0E-03	6.5E-10	1.6E-01	6.7E-01	6.8E-11
198	1.3E+00	2.4E-07	1.0E-03	3.4E-10	1.6E-01	6.7E-01	3.5E-11	9.6E-01	7.7E-07	1.0E-03	7.7E-10	1.6E-01	6.7E-01	8.1E-11
199	1.5E+00	2.4E-07	1.0E-03	3.8E-10	1.6E-01	6.7E-01	4.0E-11	1.1E+00	7.7E-07	1.0E-03	8.9E-10	1.6E-01	6.7E-01	9.3E-11
200	1.6E+00	2.4E-07	1.0E-03	4.1E-10	1.6E-01	6.7E-01	4.3E-11	1.2E+00	7.7E-07	1.0E-03	9.7E-10	1.6E-01	6.7E-01	1.0E-10
201	1.5E+00	2.4E-07	1.0E-03	3.9E-10	1.6E-01	6.7E-01	4.1E-11	1.2E+00	7.7E-07	1.0E-03	9.8E-10	1.6E-01	6.7E-01	1.0E-10
202	1.4E+00	2.4E-07	1.0E-03	3.5E-10	1.6E-01	6.7E-01	3.7E-11	1.2E+00	7.7E-07	1.0E-03	9.3E-10	1.6E-01	6.7E-01	9.8E-11
203	1.1E+00	2.4E-07	1.0E-03	2.9E-10	1.6E-01	6.7E-01	3.1E-11	1.0E+00	7.7E-07	1.0E-03	8.3E-10	1.6E-01	6.7E-01	8.7E-11
204	9.7E-01	2.4E-07	1.0E-03	2.5E-10	1.6E-01	6.7E-01	2.6E-11	9.0E-01	7.7E-07	1.0E-03	7.3E-10	1.6E-01	6.7E-01	7.7E-11
205	8.0E-01	2.4E-07	1.0E-03	2.0E-10	1.6E-01	6.7E-01	2.2E-11	7.8E-01	7.7E-07	1.0E-03	6.3E-10	1.6E-01	6.7E-01	6.6E-11
206	6.5E-01	2.4E-07	1.0E-03	1.7E-10	1.6E-01	6.7E-01	1.7E-11	6.4E-01	7.7E-07	1.0E-03	5.2E-10	1.6E-01	6.7E-01	5.5E-11
207	5.7E-01	2.4E-07	1.0E-03	1.5E-10	1.6E-01	6.7E-01	1.5E-11	5.7E-01	7.7E-07	1.0E-03	4.6E-10	1.6E-01	6.7E-01	4.9E-11
208	4.8E-01	2.4E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.3E-11	4.9E-01	7.7E-07	1.0E-03	3.9E-10	1.6E-01	6.7E-01	4.1E-11
209	3.8E-01	2.4E-07	1.0E-03	9.8E-11	1.6E-01	6.7E-01	1.0E-11	3.2E-01	7.7E-07	1.0E-03	2.6E-10	1.6E-01	6.7E-01	2.7E-11
210	4.6E-01	2.4E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.2E-11	3.7E-01	7.7E-07	1.0E-03	3.0E-10	1.6E-01	6.7E-01	3.2E-11
211	5.6E-01	2.4E-07	1.0E-03	1.4E-10	1.6E-01	6.7E-01	1.5E-11	4.5E-01	7.7E-07	1.0E-03	3.6E-10	1.6E-01	6.7E-01	3.8E-11
212	6.8E-01	2.4E-07	1.0E-03	1.8E-10	1.6E-01	6.7E-01	1.8E-11	5.3E-01	7.7E-07	1.0E-03	4.3E-10	1.6E-01	6.7E-01	4.5E-11
213	8.3E-01	2.4E-07	1.0E-03	2.1E-10	1.6E-01	6.7E-01	2.2E-11	6.4E-01	7.7E-07	1.0E-03	5.1E-10	1.6E-01	6.7E-01	5.4E-11
214	9.7E-01	2.4E-07	1.0E-03	2.5E-10	1.6E-01	6.7E-01	2.6E-11	7.4E-01	7.7E-07	1.0E-03	6.0E-10	1.6E-01	6.7E-01	6.3E-11
215	1.1E+00	2.4E-07	1.0E-03	2.8E-10	1.6E-01	6.7E-01	2.9E-11	8.4E-01	7.7E-07	1.0E-03	6.8E-10	1.6E-01	6.7E-01	7.1E-11

Franklin School Project

Risk From Modernization Const - Unmitigated Residential

	Haul Route 1A							Haul Route 2A						
Receptor #	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
216	1.1E+00	2.4E-07	1.0E-03	2.9E-10	1.6E-01	6.7E-01	3.1E-11	9.0E-01	7.7E-07	1.0E-03	7.2E-10	1.6E-01	6.7E-01	7.6E-11
217	1.1E+00	2.4E-07	1.0E-03	2.9E-10	1.6E-01	6.7E-01	3.0E-11	9.2E-01	7.7E-07	1.0E-03	7.4E-10	1.6E-01	6.7E-01	7.8E-11
218	1.1E+00	2.4E-07	1.0E-03	2.7E-10	1.6E-01	6.7E-01	2.8E-11	8.9E-01	7.7E-07	1.0E-03	7.2E-10	1.6E-01	6.7E-01	7.6E-11
219	9.6E-01	2.4E-07	1.0E-03	2.4E-10	1.6E-01	6.7E-01	2.6E-11	8.4E-01	7.7E-07	1.0E-03	6.8E-10	1.6E-01	6.7E-01	7.1E-11
220	8.4E-01	2.4E-07	1.0E-03	2.2E-10	1.6E-01	6.7E-01	2.3E-11	7.7E-01	7.7E-07	1.0E-03	6.2E-10	1.6E-01	6.7E-01	6.5E-11
221	7.2E-01	2.4E-07	1.0E-03	1.8E-10	1.6E-01	6.7E-01	1.9E-11	6.8E-01	7.7E-07	1.0E-03	5.5E-10	1.6E-01	6.7E-01	5.8E-11
222	5.8E-01	2.4E-07	1.0E-03	1.5E-10	1.6E-01	6.7E-01	1.5E-11	5.6E-01	7.7E-07	1.0E-03	4.5E-10	1.6E-01	6.7E-01	4.8E-11
223	4.9E-01	2.4E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.3E-11	4.9E-01	7.7E-07	1.0E-03	3.9E-10	1.6E-01	6.7E-01	4.1E-11
224	4.4E-01	2.4E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.2E-11	4.5E-01	7.7E-07	1.0E-03	3.6E-10	1.6E-01	6.7E-01	3.8E-11
225	3.4E-01	2.4E-07	1.0E-03	8.6E-11	1.6E-01	6.7E-01	9.0E-12	2.8E-01	7.7E-07	1.0E-03	2.3E-10	1.6E-01	6.7E-01	2.4E-11
226	4.0E-01	2.4E-07	1.0E-03	1.0E-10	1.6E-01	6.7E-01	1.1E-11	3.3E-01	7.7E-07	1.0E-03	2.6E-10	1.6E-01	6.7E-01	2.8E-11
227	4.7E-01	2.4E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.3E-11	3.8E-01	7.7E-07	1.0E-03	3.1E-10	1.6E-01	6.7E-01	3.2E-11
228	5.6E-01	2.4E-07	1.0E-03	1.4E-10	1.6E-01	6.7E-01	1.5E-11	4.5E-01	7.7E-07	1.0E-03	3.6E-10	1.6E-01	6.7E-01	3.8E-11
229	6.5E-01	2.4E-07	1.0E-03	1.7E-10	1.6E-01	6.7E-01	1.8E-11	5.2E-01	7.7E-07	1.0E-03	4.2E-10	1.6E-01	6.7E-01	4.4E-11
230	7.5E-01	2.4E-07	1.0E-03	1.9E-10	1.6E-01	6.7E-01	2.0E-11	5.9E-01	7.7E-07	1.0E-03	4.8E-10	1.6E-01	6.7E-01	5.0E-11
231	8.3E-01	2.4E-07	1.0E-03	2.1E-10	1.6E-01	6.7E-01	2.2E-11	6.6E-01	7.7E-07	1.0E-03	5.3E-10	1.6E-01	6.7E-01	5.6E-11
232	8.7E-01	2.4E-07	1.0E-03	2.2E-10	1.6E-01	6.7E-01	2.3E-11	7.0E-01	7.7E-07	1.0E-03	5.7E-10	1.6E-01	6.7E-01	6.0E-11
233	8.7E-01	2.4E-07	1.0E-03	2.2E-10	1.6E-01	6.7E-01	2.3E-11	7.2E-01	7.7E-07	1.0E-03	5.8E-10	1.6E-01	6.7E-01	6.1E-11
234	8.4E-01	2.4E-07	1.0E-03	2.1E-10	1.6E-01	6.7E-01	2.3E-11	7.1E-01	7.7E-07	1.0E-03	5.8E-10	1.6E-01	6.7E-01	6.1E-11
235	7.8E-01	2.4E-07	1.0E-03	2.0E-10	1.6E-01	6.7E-01	2.1E-11	6.9E-01	7.7E-07	1.0E-03	5.5E-10	1.6E-01	6.7E-01	5.8E-11
236	7.1E-01	2.4E-07	1.0E-03	1.8E-10	1.6E-01	6.7E-01	1.9E-11	6.4E-01	7.7E-07	1.0E-03	5.2E-10	1.6E-01	6.7E-01	5.4E-11
237	6.2E-01	2.4E-07	1.0E-03	1.6E-10	1.6E-01	6.7E-01	1.7E-11	5.8E-01	7.7E-07	1.0E-03	4.7E-10	1.6E-01	6.7E-01	4.9E-11
238	5.4E-01	2.4E-07	1.0E-03	1.4E-10	1.6E-01	6.7E-01	1.5E-11	5.2E-01	7.7E-07	1.0E-03	4.2E-10	1.6E-01	6.7E-01	4.4E-11
239	4.4E-01	2.4E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.2E-11	4.3E-01	7.7E-07	1.0E-03	3.5E-10	1.6E-01	6.7E-01	3.7E-11
240	3.8E-01	2.4E-07	1.0E-03	9.8E-11	1.6E-01	6.7E-01	1.0E-11	3.8E-01	7.7E-07	1.0E-03	3.1E-10	1.6E-01	6.7E-01	3.2E-11
241	2.9E-01	2.4E-07	1.0E-03	7.5E-11	1.6E-01	6.7E-01	7.9E-12	2.5E-01	7.7E-07	1.0E-03	2.0E-10	1.6E-01	6.7E-01	2.1E-11
242	3.4E-01	2.4E-07	1.0E-03	8.7E-11	1.6E-01	6.7E-01	9.2E-12	2.9E-01	7.7E-07	1.0E-03	2.3E-10	1.6E-01	6.7E-01	2.4E-11
243	4.0E-01	2.4E-07	1.0E-03	1.0E-10	1.6E-01	6.7E-01	1.1E-11	3.3E-01	7.7E-07	1.0E-03	2.7E-10	1.6E-01	6.7E-01	2.8E-11
244	4.6E-01	2.4E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.2E-11	3.8E-01	7.7E-07	1.0E-03	3.1E-10	1.6E-01	6.7E-01	3.2E-11
245	5.3E-01	2.4E-07	1.0E-03	1.4E-10	1.6E-01	6.7E-01	1.4E-11	4.3E-01	7.7E-07	1.0E-03	3.5E-10	1.6E-01	6.7E-01	3.7E-11
246	6.0E-01	2.4E-07	1.0E-03	1.5E-10	1.6E-01	6.7E-01	1.6E-11	4.9E-01	7.7E-07	1.0E-03	3.9E-10	1.6E-01	6.7E-01	4.1E-11
247	6.5E-01	2.4E-07	1.0E-03	1.7E-10	1.6E-01	6.7E-01	1.8E-11	5.3E-01	7.7E-07	1.0E-03	4.3E-10	1.6E-01	6.7E-01	4.5E-11
248	6.8E-01	2.4E-07	1.0E-03	1.7E-10	1.6E-01	6.7E-01	1.8E-11	5.6E-01	7.7E-07	1.0E-03	4.6E-10	1.6E-01	6.7E-01	4.8E-11
249	6.9E-01	2.4E-07	1.0E-03	1.8E-10	1.6E-01	6.7E-01	1.9E-11	5.8E-01	7.7E-07	1.0E-03	4.7E-10	1.6E-01	6.7E-01	4.9E-11
250	6.7E-01	2.4E-07	1.0E-03	1.7E-10	1.6E-01	6.7E-01	1.8E-11	5.8E-01	7.7E-07	1.0E-03	4.7E-10	1.6E-01	6.7E-01	4.9E-11
251	6.4E-01	2.4E-07	1.0E-03	1.6E-10	1.6E-01	6.7E-01	1.7E-11	5.6E-01	7.7E-07	1.0E-03	4.5E-10	1.6E-01	6.7E-01	4.8E-11
252	5.9E-01	2.4E-07	1.0E-03	1.5E-10	1.6E-01	6.7E-01	1.6E-11	5.3E-01	7.7E-07	1.0E-03	4.3E-10	1.6E-01	6.7E-01	4.5E-11
253	5.4E-01	2.4E-07	1.0E-03	1.4E-10	1.6E-01	6.7E-01	1.4E-11	5.0E-01	7.7E-07	1.0E-03	4.0E-10	1.6E-01	6.7E-01	4.2E-11
254	4.8E-01	2.4E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.3E-11	4.5E-01	7.7E-07	1.0E-03	3.7E-10	1.6E-01	6.7E-01	3.9E-11
255	4.2E-01	2.4E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.1E-11	4.0E-01	7.7E-07	1.0E-03	3.3E-10	1.6E-01	6.7E-01	3.4E-11
256	3.5E-01	2.4E-07	1.0E-03	8.9E-11	1.6E-01	6.7E-01	9.3E-12	3.4E-01	7.7E-07	1.0E-03	2.8E-10	1.6E-01	6.7E-01	2.9E-11
257	2.6E-01	2.4E-07	1.0E-03	6.6E-11	1.6E-01	6.7E-01	7.0E-12	2.2E-01	7.7E-07	1.0E-03	1.8E-10	1.6E-01	6.7E-01	1.9E-11
258	3.0E-01	2.4E-07	1.0E-03	7.6E-11	1.6E-01	6.7E-01	8.0E-12	2.5E-01	7.7E-07	1.0E-03	2.0E-10	1.6E-01	6.7E-01	2.1E-11

Franklin School Project

Risk From Modernization Const - Unmitigated Residential

	Haul Route 1A							Haul Route 2A						
Receptor #	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
259	3.4E-01	2.4E-07	1.0E-03	8.7E-11	1.6E-01	6.7E-01	9.1E-12	2.9E-01	7.7E-07	1.0E-03	2.3E-10	1.6E-01	6.7E-01	2.4E-11
260	3.9E-01	2.4E-07	1.0E-03	1.0E-10	1.6E-01	6.7E-01	1.0E-11	3.3E-01	7.7E-07	1.0E-03	2.6E-10	1.6E-01	6.7E-01	2.8E-11
261	4.4E-01	2.4E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.2E-11	3.7E-01	7.7E-07	1.0E-03	3.0E-10	1.6E-01	6.7E-01	3.1E-11
262	4.9E-01	2.4E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.3E-11	4.0E-01	7.7E-07	1.0E-03	3.3E-10	1.6E-01	6.7E-01	3.4E-11
263	5.3E-01	2.4E-07	1.0E-03	1.3E-10	1.6E-01	6.7E-01	1.4E-11	4.4E-01	7.7E-07	1.0E-03	3.5E-10	1.6E-01	6.7E-01	3.7E-11
264	5.5E-01	2.4E-07	1.0E-03	1.4E-10	1.6E-01	6.7E-01	1.5E-11	4.6E-01	7.7E-07	1.0E-03	3.7E-10	1.6E-01	6.7E-01	3.9E-11
265	5.6E-01	2.4E-07	1.0E-03	1.4E-10	1.6E-01	6.7E-01	1.5E-11	4.8E-01	7.7E-07	1.0E-03	3.8E-10	1.6E-01	6.7E-01	4.0E-11
266	5.5E-01	2.4E-07	1.0E-03	1.4E-10	1.6E-01	6.7E-01	1.5E-11	4.8E-01	7.7E-07	1.0E-03	3.9E-10	1.6E-01	6.7E-01	4.1E-11
267	5.3E-01	2.4E-07	1.0E-03	1.4E-10	1.6E-01	6.7E-01	1.4E-11	4.7E-01	7.7E-07	1.0E-03	3.8E-10	1.6E-01	6.7E-01	4.0E-11
268	5.0E-01	2.4E-07	1.0E-03	1.3E-10	1.6E-01	6.7E-01	1.3E-11	4.5E-01	7.7E-07	1.0E-03	3.6E-10	1.6E-01	6.7E-01	3.8E-11
269	4.6E-01	2.4E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.2E-11	4.3E-01	7.7E-07	1.0E-03	3.4E-10	1.6E-01	6.7E-01	3.6E-11
270	4.2E-01	2.4E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.1E-11	4.0E-01	7.7E-07	1.0E-03	3.2E-10	1.6E-01	6.7E-01	3.4E-11
271	3.8E-01	2.4E-07	1.0E-03	9.7E-11	1.6E-01	6.7E-01	1.0E-11	3.6E-01	7.7E-07	1.0E-03	2.9E-10	1.6E-01	6.7E-01	3.1E-11
272	3.2E-01	2.4E-07	1.0E-03	8.2E-11	1.6E-01	6.7E-01	8.6E-12	3.1E-01	7.7E-07	1.0E-03	2.5E-10	1.6E-01	6.7E-01	2.6E-11
273	1.2E+01	2.4E-07	1.0E-03	3.0E-09	1.6E-01	6.7E-01	3.1E-10	1.4E+01	7.7E-07	1.0E-03	1.1E-08	1.6E-01	6.7E-01	1.2E-09
274	1.4E+01	2.4E-07	1.0E-03	3.5E-09	1.6E-01	6.7E-01	3.7E-10	1.8E+01	7.7E-07	1.0E-03	1.5E-08	1.6E-01	6.7E-01	1.6E-09
275	1.6E+01	2.4E-07	1.0E-03	4.2E-09	1.6E-01	6.7E-01	4.4E-10	2.4E+01	7.7E-07	1.0E-03	1.9E-08	1.6E-01	6.7E-01	2.0E-09
276	1.9E+01	2.4E-07	1.0E-03	4.8E-09	1.6E-01	6.7E-01	5.1E-10	3.2E+01	7.7E-07	1.0E-03	2.6E-08	1.6E-01	6.7E-01	2.7E-09
277	2.1E+01	2.4E-07	1.0E-03	5.5E-09	1.6E-01	6.7E-01	5.8E-10	4.2E+01	7.7E-07	1.0E-03	3.4E-08	1.6E-01	6.7E-01	3.6E-09
278	2.3E+01	2.4E-07	1.0E-03	6.0E-09	1.6E-01	6.7E-01	6.3E-10	5.4E+01	7.7E-07	1.0E-03	4.3E-08	1.6E-01	6.7E-01	4.6E-09
279	2.5E+01	2.4E-07	1.0E-03	6.3E-09	1.6E-01	6.7E-01	6.6E-10	6.3E+01	7.7E-07	1.0E-03	5.1E-08	1.6E-01	6.7E-01	5.3E-09
280	2.4E+01	2.4E-07	1.0E-03	6.3E-09	1.6E-01	6.7E-01	6.6E-10	6.8E+01	7.7E-07	1.0E-03	5.5E-08	1.6E-01	6.7E-01	5.8E-09
281	2.3E+01	2.4E-07	1.0E-03	6.0E-09	1.6E-01	6.7E-01	6.3E-10	7.0E+01	7.7E-07	1.0E-03	5.6E-08	1.6E-01	6.7E-01	5.9E-09
282	2.2E+01	2.4E-07	1.0E-03	5.6E-09	1.6E-01	6.7E-01	5.9E-10	6.8E+01	7.7E-07	1.0E-03	5.5E-08	1.6E-01	6.7E-01	5.7E-09
283	2.0E+01	2.4E-07	1.0E-03	5.1E-09	1.6E-01	6.7E-01	5.4E-10	6.1E+01	7.7E-07	1.0E-03	4.9E-08	1.6E-01	6.7E-01	5.1E-09
284	1.8E+01	2.4E-07	1.0E-03	4.7E-09	1.6E-01	6.7E-01	4.9E-10	5.1E+01	7.7E-07	1.0E-03	4.1E-08	1.6E-01	6.7E-01	4.4E-09
285	1.7E+01	2.4E-07	1.0E-03	4.2E-09	1.6E-01	6.7E-01	4.4E-10	4.2E+01	7.7E-07	1.0E-03	3.4E-08	1.6E-01	6.7E-01	3.6E-09
286	1.5E+01	2.4E-07	1.0E-03	3.8E-09	1.6E-01	6.7E-01	4.0E-10	3.5E+01	7.7E-07	1.0E-03	2.8E-08	1.6E-01	6.7E-01	2.9E-09
287	1.3E+01	2.4E-07	1.0E-03	3.4E-09	1.6E-01	6.7E-01	3.6E-10	2.9E+01	7.7E-07	1.0E-03	2.3E-08	1.6E-01	6.7E-01	2.4E-09
288	1.2E+01	2.4E-07	1.0E-03	3.1E-09	1.6E-01	6.7E-01	3.3E-10	2.4E+01	7.7E-07	1.0E-03	1.9E-08	1.6E-01	6.7E-01	2.0E-09
289	1.1E+01	2.4E-07	1.0E-03	2.8E-09	1.6E-01	6.7E-01	3.0E-10	2.0E+01	7.7E-07	1.0E-03	1.6E-08	1.6E-01	6.7E-01	1.7E-09
290	9.9E+00	2.4E-07	1.0E-03	2.5E-09	1.6E-01	6.7E-01	2.7E-10	1.7E+01	7.7E-07	1.0E-03	1.4E-08	1.6E-01	6.7E-01	1.4E-09
291	9.0E+00	2.4E-07	1.0E-03	2.3E-09	1.6E-01	6.7E-01	2.4E-10	1.5E+01	7.7E-07	1.0E-03	1.2E-08	1.6E-01	6.7E-01	1.2E-09
292	8.1E+00	2.4E-07	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.2E-10	1.3E+01	7.7E-07	1.0E-03	1.0E-08	1.6E-01	6.7E-01	1.1E-09
293	7.4E+00	2.4E-07	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10	1.1E+01	7.7E-07	1.0E-03	8.8E-09	1.6E-01	6.7E-01	9.3E-10
294	6.7E+00	2.4E-07	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10	9.6E+00	7.7E-07	1.0E-03	7.7E-09	1.6E-01	6.7E-01	8.1E-10
295	6.1E+00	2.4E-07	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.6E-10	8.5E+00	7.7E-07	1.0E-03	6.8E-09	1.6E-01	6.7E-01	7.2E-10
296	5.6E+00	2.4E-07	1.0E-03	1.4E-09	1.6E-01	6.7E-01	1.5E-10	7.5E+00	7.7E-07	1.0E-03	6.1E-09	1.6E-01	6.7E-01	6.4E-10
297	5.1E+00	2.4E-07	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.4E-10	6.7E+00	7.7E-07	1.0E-03	5.4E-09	1.6E-01	6.7E-01	5.7E-10
298	4.7E+00	2.4E-07	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.3E-10	6.0E+00	7.7E-07	1.0E-03	4.9E-09	1.6E-01	6.7E-01	5.1E-10
299	1.4E+01	2.4E-07	1.0E-03	3.7E-09	1.6E-01	6.7E-01	3.9E-10	1.6E+01	7.7E-07	1.0E-03	1.3E-08	1.6E-01	6.7E-01	1.4E-09
300	1.8E+01	2.4E-07	1.0E-03	4.5E-09	1.6E-01	6.7E-01	4.7E-10	2.2E+01	7.7E-07	1.0E-03	1.8E-08	1.6E-01	6.7E-01	1.8E-09
301	2.2E+01	2.4E-07	1.0E-03	5.5E-09	1.6E-01	6.7E-01	5.8E-10	3.0E+01	7.7E-07	1.0E-03	2.4E-08	1.6E-01	6.7E-01	2.6E-09

Franklin School Project

Risk From Modernization Const - Unmitigated Residential

	Haul Route 1A							Haul Route 2A						
Receptor #	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
302	2.6E+01	2.4E-07	1.0E-03	6.7E-09	1.6E-01	6.7E-01	7.0E-10	4.3E+01	7.7E-07	1.0E-03	3.5E-08	1.6E-01	6.7E-01	3.6E-09
303	3.1E+01	2.4E-07	1.0E-03	7.9E-09	1.6E-01	6.7E-01	8.3E-10	1.5E+01	7.7E-07	1.0E-03	1.2E-08	1.6E-01	6.7E-01	1.3E-09
304	3.4E+01	2.4E-07	1.0E-03	8.7E-09	1.6E-01	6.7E-01	9.2E-10	2.2E+01	7.7E-07	1.0E-03	1.8E-08	1.6E-01	6.7E-01	1.9E-09
305	3.5E+01	2.4E-07	1.0E-03	9.0E-09	1.6E-01	6.7E-01	9.4E-10	3.2E+01	7.7E-07	1.0E-03	2.6E-08	1.6E-01	6.7E-01	2.7E-09
306	3.3E+01	2.4E-07	1.0E-03	8.6E-09	1.6E-01	6.7E-01	9.0E-10	4.6E+01	7.7E-07	1.0E-03	3.7E-08	1.6E-01	6.7E-01	3.9E-09
307	3.0E+01	2.4E-07	1.0E-03	7.8E-09	1.6E-01	6.7E-01	8.2E-10	4.7E+01	7.7E-07	1.0E-03	3.8E-08	1.6E-01	6.7E-01	4.0E-09
308	2.7E+01	2.4E-07	1.0E-03	7.0E-09	1.6E-01	6.7E-01	7.3E-10	3.5E+01	7.7E-07	1.0E-03	2.8E-08	1.6E-01	6.7E-01	3.0E-09
309	2.4E+01	2.4E-07	1.0E-03	6.2E-09	1.6E-01	6.7E-01	6.5E-10	2.6E+01	7.7E-07	1.0E-03	2.1E-08	1.6E-01	6.7E-01	2.2E-09
310	2.1E+01	2.4E-07	1.0E-03	5.4E-09	1.6E-01	6.7E-01	5.7E-10	6.8E+01	7.7E-07	1.0E-03	5.5E-08	1.6E-01	6.7E-01	5.8E-09
311	1.9E+01	2.4E-07	1.0E-03	4.8E-09	1.6E-01	6.7E-01	5.1E-10	5.2E+01	7.7E-07	1.0E-03	4.2E-08	1.6E-01	6.7E-01	4.4E-09
312	1.7E+01	2.4E-07	1.0E-03	4.3E-09	1.6E-01	6.7E-01	4.5E-10	4.0E+01	7.7E-07	1.0E-03	3.2E-08	1.6E-01	6.7E-01	3.4E-09
313	1.5E+01	2.4E-07	1.0E-03	3.8E-09	1.6E-01	6.7E-01	4.0E-10	3.2E+01	7.7E-07	1.0E-03	2.6E-08	1.6E-01	6.7E-01	2.7E-09
314	1.3E+01	2.4E-07	1.0E-03	3.4E-09	1.6E-01	6.7E-01	3.5E-10	2.6E+01	7.7E-07	1.0E-03	2.1E-08	1.6E-01	6.7E-01	2.2E-09
315	1.2E+01	2.4E-07	1.0E-03	3.0E-09	1.6E-01	6.7E-01	3.2E-10	2.1E+01	7.7E-07	1.0E-03	1.7E-08	1.6E-01	6.7E-01	1.8E-09
316	1.0E+01	2.4E-07	1.0E-03	2.7E-09	1.6E-01	6.7E-01	2.8E-10	1.8E+01	7.7E-07	1.0E-03	1.4E-08	1.6E-01	6.7E-01	1.5E-09
317	9.4E+00	2.4E-07	1.0E-03	2.4E-09	1.6E-01	6.7E-01	2.5E-10	1.5E+01	7.7E-07	1.0E-03	1.2E-08	1.6E-01	6.7E-01	1.3E-09
318	8.4E+00	2.4E-07	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.3E-10	1.3E+01	7.7E-07	1.0E-03	1.0E-08	1.6E-01	6.7E-01	1.1E-09
319	7.6E+00	2.4E-07	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10	1.1E+01	7.7E-07	1.0E-03	8.9E-09	1.6E-01	6.7E-01	9.3E-10
320	6.9E+00	2.4E-07	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.8E-10	9.6E+00	7.7E-07	1.0E-03	7.7E-09	1.6E-01	6.7E-01	8.1E-10
321	6.2E+00	2.4E-07	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10	8.4E+00	7.7E-07	1.0E-03	6.8E-09	1.6E-01	6.7E-01	7.1E-10
322	5.7E+00	2.4E-07	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.5E-10	7.4E+00	7.7E-07	1.0E-03	6.0E-09	1.6E-01	6.7E-01	6.3E-10
323	5.2E+00	2.4E-07	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.4E-10	6.6E+00	7.7E-07	1.0E-03	5.3E-09	1.6E-01	6.7E-01	5.6E-10
324	4.8E+00	2.4E-07	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.3E-10	5.9E+00	7.7E-07	1.0E-03	4.8E-09	1.6E-01	6.7E-01	5.0E-10
325	1.8E+01	2.4E-07	1.0E-03	4.5E-09	1.6E-01	6.7E-01	4.7E-10	1.8E+01	7.7E-07	1.0E-03	1.4E-08	1.6E-01	6.7E-01	1.5E-09
326	2.3E+01	2.4E-07	1.0E-03	5.8E-09	1.6E-01	6.7E-01	6.1E-10	2.5E+01	7.7E-07	1.0E-03	2.0E-08	1.6E-01	6.7E-01	2.1E-09
327	2.9E+01	2.4E-07	1.0E-03	7.5E-09	1.6E-01	6.7E-01	7.9E-10	3.7E+01	7.7E-07	1.0E-03	2.9E-08	1.6E-01	6.7E-01	3.1E-09
328	3.8E+01	2.4E-07	1.0E-03	9.7E-09	1.6E-01	6.7E-01	1.0E-09	5.7E+01	7.7E-07	1.0E-03	4.6E-08	1.6E-01	6.7E-01	4.8E-09
329	4.8E+01	2.4E-07	1.0E-03	1.2E-08	1.6E-01	6.7E-01	1.3E-09	1.8E+01	7.7E-07	1.0E-03	1.4E-08	1.6E-01	6.7E-01	1.5E-09
330	5.4E+01	2.4E-07	1.0E-03	1.4E-08	1.6E-01	6.7E-01	1.5E-09	2.7E+01	7.7E-07	1.0E-03	2.2E-08	1.6E-01	6.7E-01	2.3E-09
331	5.3E+01	2.4E-07	1.0E-03	1.4E-08	1.6E-01	6.7E-01	1.4E-09	4.4E+01	7.7E-07	1.0E-03	3.5E-08	1.6E-01	6.7E-01	3.7E-09
332	4.7E+01	2.4E-07	1.0E-03	1.2E-08	1.6E-01	6.7E-01	1.3E-09	0.0E+00	7.7E-07	1.0E-03	0.0E+00	1.6E-01	6.7E-01	0.0E+00
333	4.0E+01	2.4E-07	1.0E-03	1.0E-08	1.6E-01	6.7E-01	1.1E-09	0.0E+00	7.7E-07	1.0E-03	0.0E+00	1.6E-01	6.7E-01	0.0E+00
334	3.4E+01	2.4E-07	1.0E-03	8.6E-09	1.6E-01	6.7E-01	9.1E-10	4.3E+01	7.7E-07	1.0E-03	3.5E-08	1.6E-01	6.7E-01	3.7E-09
335	2.9E+01	2.4E-07	1.0E-03	7.3E-09	1.6E-01	6.7E-01	7.7E-10	3.0E+01	7.7E-07	1.0E-03	2.4E-08	1.6E-01	6.7E-01	2.6E-09
336	2.4E+01	2.4E-07	1.0E-03	6.3E-09	1.6E-01	6.7E-01	6.6E-10	2.2E+01	7.7E-07	1.0E-03	1.8E-08	1.6E-01	6.7E-01	1.9E-09
337	2.1E+01	2.4E-07	1.0E-03	5.4E-09	1.6E-01	6.7E-01	5.7E-10	6.1E+01	7.7E-07	1.0E-03	5.0E-08	1.6E-01	6.7E-01	5.2E-09
338	1.8E+01	2.4E-07	1.0E-03	4.7E-09	1.6E-01	6.7E-01	4.9E-10	4.4E+01	7.7E-07	1.0E-03	3.6E-08	1.6E-01	6.7E-01	3.8E-09
339	1.6E+01	2.4E-07	1.0E-03	4.1E-09	1.6E-01	6.7E-01	4.3E-10	3.4E+01	7.7E-07	1.0E-03	2.7E-08	1.6E-01	6.7E-01	2.9E-09
340	1.4E+01	2.4E-07	1.0E-03	3.6E-09	1.6E-01	6.7E-01	3.8E-10	2.7E+01	7.7E-07	1.0E-03	2.2E-08	1.6E-01	6.7E-01	2.3E-09
341	1.2E+01	2.4E-07	1.0E-03	3.2E-09	1.6E-01	6.7E-01	3.3E-10	2.2E+01	7.7E-07	1.0E-03	1.7E-08	1.6E-01	6.7E-01	1.8E-09
342	1.1E+01	2.4E-07	1.0E-03	2.8E-09	1.6E-01	6.7E-01	2.9E-10	1.8E+01	7.7E-07	1.0E-03	1.4E-08	1.6E-01	6.7E-01	1.5E-09
343	9.7E+00	2.4E-07	1.0E-03	2.5E-09	1.6E-01	6.7E-01	2.6E-10	1.5E+01	7.7E-07	1.0E-03	1.2E-08	1.6E-01	6.7E-01	1.3E-09
344	8.7E+00	2.4E-07	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.3E-10	1.3E+01	7.7E-07	1.0E-03	1.0E-08	1.6E-01	6.7E-01	1.1E-09

Franklin School Project

Risk From Modernization Const - Unmitigated Residential

	Haul Route 1A							Haul Route 2A						
Receptor #	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
345	7.8E+00	2.4E-07	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10	1.1E+01	7.7E-07	1.0E-03	8.8E-09	1.6E-01	6.7E-01	9.2E-10
346	7.0E+00	2.4E-07	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10	9.4E+00	7.7E-07	1.0E-03	7.6E-09	1.6E-01	6.7E-01	8.0E-10
347	6.3E+00	2.4E-07	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10	8.2E+00	7.7E-07	1.0E-03	6.7E-09	1.6E-01	6.7E-01	7.0E-10
348	5.7E+00	2.4E-07	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.5E-10	7.3E+00	7.7E-07	1.0E-03	5.9E-09	1.6E-01	6.7E-01	6.2E-10
349	5.2E+00	2.4E-07	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.4E-10	6.5E+00	7.7E-07	1.0E-03	5.2E-09	1.6E-01	6.7E-01	5.5E-10
350	4.8E+00	2.4E-07	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.3E-10	5.8E+00	7.7E-07	1.0E-03	4.7E-09	1.6E-01	6.7E-01	4.9E-10
351	2.1E+01	2.4E-07	1.0E-03	5.5E-09	1.6E-01	6.7E-01	5.7E-10	1.9E+01	7.7E-07	1.0E-03	1.5E-08	1.6E-01	6.7E-01	1.6E-09
352	2.9E+01	2.4E-07	1.0E-03	7.4E-09	1.6E-01	6.7E-01	7.8E-10	2.7E+01	7.7E-07	1.0E-03	2.2E-08	1.6E-01	6.7E-01	2.3E-09
353	4.0E+01	2.4E-07	1.0E-03	1.0E-08	1.6E-01	6.7E-01	1.1E-09	4.1E+01	7.7E-07	1.0E-03	3.3E-08	1.6E-01	6.7E-01	3.5E-09
354	5.7E+01	2.4E-07	1.0E-03	1.5E-08	1.6E-01	6.7E-01	1.5E-09	1.3E+01	7.7E-07	1.0E-03	1.1E-08	1.6E-01	6.7E-01	1.1E-09
355	2.2E+01	2.4E-07	1.0E-03	5.7E-09	1.6E-01	6.7E-01	6.0E-10	2.0E+01	7.7E-07	1.0E-03	1.6E-08	1.6E-01	6.7E-01	1.7E-09
356	2.5E+01	2.4E-07	1.0E-03	6.4E-09	1.6E-01	6.7E-01	6.7E-10	3.1E+01	7.7E-07	1.0E-03	2.5E-08	1.6E-01	6.7E-01	2.6E-09
357	2.6E+01	2.4E-07	1.0E-03	6.6E-09	1.6E-01	6.7E-01	6.9E-10	0.0E+00	7.7E-07	1.0E-03	0.0E+00	1.6E-01	6.7E-01	0.0E+00
358	6.8E+01	2.4E-07	1.0E-03	1.7E-08	1.6E-01	6.7E-01	1.8E-09	0.0E+00	7.7E-07	1.0E-03	0.0E+00	1.6E-01	6.7E-01	0.0E+00
359	5.2E+01	2.4E-07	1.0E-03	1.3E-08	1.6E-01	6.7E-01	1.4E-09	0.0E+00	7.7E-07	1.0E-03	0.0E+00	1.6E-01	6.7E-01	0.0E+00
360	4.1E+01	2.4E-07	1.0E-03	1.0E-08	1.6E-01	6.7E-01	1.1E-09	5.0E+01	7.7E-07	1.0E-03	4.0E-08	1.6E-01	6.7E-01	4.2E-09
361	3.3E+01	2.4E-07	1.0E-03	8.5E-09	1.6E-01	6.7E-01	8.9E-10	3.2E+01	7.7E-07	1.0E-03	2.6E-08	1.6E-01	6.7E-01	2.7E-09
362	2.8E+01	2.4E-07	1.0E-03	7.1E-09	1.6E-01	6.7E-01	7.4E-10	2.3E+01	7.7E-07	1.0E-03	1.9E-08	1.6E-01	6.7E-01	2.0E-09
363	2.3E+01	2.4E-07	1.0E-03	6.0E-09	1.6E-01	6.7E-01	6.3E-10	6.8E+01	7.7E-07	1.0E-03	5.5E-08	1.6E-01	6.7E-01	5.8E-09
364	2.0E+01	2.4E-07	1.0E-03	5.1E-09	1.6E-01	6.7E-01	5.3E-10	4.6E+01	7.7E-07	1.0E-03	3.8E-08	1.6E-01	6.7E-01	3.9E-09
365	1.7E+01	2.4E-07	1.0E-03	4.4E-09	1.6E-01	6.7E-01	4.6E-10	3.4E+01	7.7E-07	1.0E-03	2.8E-08	1.6E-01	6.7E-01	2.9E-09
366	1.5E+01	2.4E-07	1.0E-03	3.8E-09	1.6E-01	6.7E-01	4.0E-10	2.7E+01	7.7E-07	1.0E-03	2.2E-08	1.6E-01	6.7E-01	2.3E-09
367	1.3E+01	2.4E-07	1.0E-03	3.3E-09	1.6E-01	6.7E-01	3.5E-10	2.1E+01	7.7E-07	1.0E-03	1.7E-08	1.6E-01	6.7E-01	1.8E-09
368	1.1E+01	2.4E-07	1.0E-03	2.9E-09	1.6E-01	6.7E-01	3.0E-10	1.8E+01	7.7E-07	1.0E-03	1.4E-08	1.6E-01	6.7E-01	1.5E-09
369	9.9E+00	2.4E-07	1.0E-03	2.5E-09	1.6E-01	6.7E-01	2.7E-10	1.5E+01	7.7E-07	1.0E-03	1.2E-08	1.6E-01	6.7E-01	1.2E-09
370	8.8E+00	2.4E-07	1.0E-03	2.3E-09	1.6E-01	6.7E-01	2.4E-10	1.2E+01	7.7E-07	1.0E-03	1.0E-08	1.6E-01	6.7E-01	1.0E-09
371	7.8E+00	2.4E-07	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10	1.1E+01	7.7E-07	1.0E-03	8.5E-09	1.6E-01	6.7E-01	9.0E-10
372	7.0E+00	2.4E-07	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10	9.2E+00	7.7E-07	1.0E-03	7.4E-09	1.6E-01	6.7E-01	7.8E-10
373	6.3E+00	2.4E-07	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10	8.0E+00	7.7E-07	1.0E-03	6.5E-09	1.6E-01	6.7E-01	6.8E-10
374	5.7E+00	2.4E-07	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.5E-10	7.0E+00	7.7E-07	1.0E-03	5.7E-09	1.6E-01	6.7E-01	6.0E-10
375	5.2E+00	2.4E-07	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.4E-10	6.3E+00	7.7E-07	1.0E-03	5.1E-09	1.6E-01	6.7E-01	5.3E-10
376	4.7E+00	2.4E-07	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.3E-10	5.6E+00	7.7E-07	1.0E-03	4.5E-09	1.6E-01	6.7E-01	4.7E-10
377	2.5E+01	2.4E-07	1.0E-03	6.4E-09	1.6E-01	6.7E-01	6.8E-10	1.9E+01	7.7E-07	1.0E-03	1.5E-08	1.6E-01	6.7E-01	1.6E-09
378	3.6E+01	2.4E-07	1.0E-03	9.1E-09	1.6E-01	6.7E-01	9.6E-10	2.7E+01	7.7E-07	1.0E-03	2.2E-08	1.6E-01	6.7E-01	2.3E-09
379	5.3E+01	2.4E-07	1.0E-03	1.4E-08	1.6E-01	6.7E-01	1.4E-09	4.2E+01	7.7E-07	1.0E-03	3.4E-08	1.6E-01	6.7E-01	3.5E-09
380	2.8E+01	2.4E-07	1.0E-03	7.1E-09	1.6E-01	6.7E-01	7.5E-10	1.3E+01	7.7E-07	1.0E-03	1.1E-08	1.6E-01	6.7E-01	1.1E-09
381	3.4E+01	2.4E-07	1.0E-03	8.7E-09	1.6E-01	6.7E-01	9.2E-10	2.0E+01	7.7E-07	1.0E-03	1.6E-08	1.6E-01	6.7E-01	1.7E-09
382	1.3E+01	2.4E-07	1.0E-03	3.4E-09	1.6E-01	6.7E-01	3.5E-10	2.1E+01	7.7E-07	1.0E-03	1.7E-08	1.6E-01	6.7E-01	1.7E-09
383	1.1E+01	2.4E-07	1.0E-03	2.9E-09	1.6E-01	6.7E-01	3.1E-10	1.7E+01	7.7E-07	1.0E-03	1.4E-08	1.6E-01	6.7E-01	1.4E-09
384	1.0E+01	2.4E-07	1.0E-03	2.6E-09	1.6E-01	6.7E-01	2.7E-10	1.4E+01	7.7E-07	1.0E-03	1.1E-08	1.6E-01	6.7E-01	1.2E-09
385	8.8E+00	2.4E-07	1.0E-03	2.3E-09	1.6E-01	6.7E-01	2.4E-10	1.2E+01	7.7E-07	1.0E-03	9.6E-09	1.6E-01	6.7E-01	1.0E-09
386	7.8E+00	2.4E-07	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10	1.0E+01	7.7E-07	1.0E-03	8.2E-09	1.6E-01	6.7E-01	8.6E-10
387	7.0E+00	2.4E-07	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10	8.8E+00	7.7E-07	1.0E-03	7.1E-09	1.6E-01	6.7E-01	7.4E-10

Franklin School Project

Risk From Modernization Const - Unmitigated Residential

	Haul Route 1A							Haul Route 2A						
Receptor #	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
388	6.3E+00	2.4E-07	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10	7.7E+00	7.7E-07	1.0E-03	6.2E-09	1.6E-01	6.7E-01	6.5E-10
389	5.6E+00	2.4E-07	1.0E-03	1.4E-09	1.6E-01	6.7E-01	1.5E-10	6.8E+00	7.7E-07	1.0E-03	5.5E-09	1.6E-01	6.7E-01	5.7E-10
390	5.1E+00	2.4E-07	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.4E-10	6.0E+00	7.7E-07	1.0E-03	4.9E-09	1.6E-01	6.7E-01	5.1E-10
391	4.6E+00	2.4E-07	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.2E-10	5.4E+00	7.7E-07	1.0E-03	4.3E-09	1.6E-01	6.7E-01	4.6E-10
392	2.9E+01	2.4E-07	1.0E-03	7.3E-09	1.6E-01	6.7E-01	7.7E-10	1.8E+01	7.7E-07	1.0E-03	1.5E-08	1.6E-01	6.7E-01	1.5E-09
393	4.2E+01	2.4E-07	1.0E-03	1.1E-08	1.6E-01	6.7E-01	1.1E-09	2.6E+01	7.7E-07	1.0E-03	2.1E-08	1.6E-01	6.7E-01	2.2E-09
394	6.4E+01	2.4E-07	1.0E-03	1.6E-08	1.6E-01	6.7E-01	1.7E-09	3.8E+01	7.7E-07	1.0E-03	3.1E-08	1.6E-01	6.7E-01	3.2E-09
395	4.2E+01	2.4E-07	1.0E-03	1.1E-08	1.6E-01	6.7E-01	1.1E-09	1.2E+01	7.7E-07	1.0E-03	1.0E-08	1.6E-01	6.7E-01	1.1E-09
396	5.7E+01	2.4E-07	1.0E-03	1.5E-08	1.6E-01	6.7E-01	1.5E-09	1.8E+01	7.7E-07	1.0E-03	1.5E-08	1.6E-01	6.7E-01	1.6E-09
397	1.3E+01	2.4E-07	1.0E-03	3.4E-09	1.6E-01	6.7E-01	3.6E-10	1.9E+01	7.7E-07	1.0E-03	1.5E-08	1.6E-01	6.7E-01	1.6E-09
398	1.1E+01	2.4E-07	1.0E-03	2.9E-09	1.6E-01	6.7E-01	3.1E-10	1.6E+01	7.7E-07	1.0E-03	1.3E-08	1.6E-01	6.7E-01	1.3E-09
399	1.0E+01	2.4E-07	1.0E-03	2.6E-09	1.6E-01	6.7E-01	2.7E-10	1.3E+01	7.7E-07	1.0E-03	1.1E-08	1.6E-01	6.7E-01	1.1E-09
400	8.8E+00	2.4E-07	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.4E-10	1.1E+01	7.7E-07	1.0E-03	9.0E-09	1.6E-01	6.7E-01	9.5E-10
401	7.7E+00	2.4E-07	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10	9.6E+00	7.7E-07	1.0E-03	7.7E-09	1.6E-01	6.7E-01	8.1E-10
402	6.9E+00	2.4E-07	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.8E-10	8.3E+00	7.7E-07	1.0E-03	6.7E-09	1.6E-01	6.7E-01	7.1E-10
403	6.1E+00	2.4E-07	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10	7.3E+00	7.7E-07	1.0E-03	5.9E-09	1.6E-01	6.7E-01	6.2E-10
404	5.5E+00	2.4E-07	1.0E-03	1.4E-09	1.6E-01	6.7E-01	1.5E-10	6.4E+00	7.7E-07	1.0E-03	5.2E-09	1.6E-01	6.7E-01	5.5E-10
405	5.0E+00	2.4E-07	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.3E-10	5.7E+00	7.7E-07	1.0E-03	4.6E-09	1.6E-01	6.7E-01	4.9E-10
406	4.5E+00	2.4E-07	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.2E-10	5.1E+00	7.7E-07	1.0E-03	4.1E-09	1.6E-01	6.7E-01	4.3E-10
407	3.1E+01	2.4E-07	1.0E-03	7.9E-09	1.6E-01	6.7E-01	8.3E-10	1.6E+01	7.7E-07	1.0E-03	1.3E-08	1.6E-01	6.7E-01	1.4E-09
408	4.5E+01	2.4E-07	1.0E-03	1.2E-08	1.6E-01	6.7E-01	1.2E-09	2.2E+01	7.7E-07	1.0E-03	1.8E-08	1.6E-01	6.7E-01	1.9E-09
409	7.1E+01	2.4E-07	1.0E-03	1.8E-08	1.6E-01	6.7E-01	1.9E-09	3.1E+01	7.7E-07	1.0E-03	2.5E-08	1.6E-01	6.7E-01	2.6E-09
410	1.7E+01	2.4E-07	1.0E-03	4.2E-09	1.6E-01	6.7E-01	4.4E-10	4.5E+01	7.7E-07	1.0E-03	3.6E-08	1.6E-01	6.7E-01	3.8E-09
411	2.0E+01	2.4E-07	1.0E-03	5.2E-09	1.6E-01	6.7E-01	5.4E-10	1.5E+01	7.7E-07	1.0E-03	1.2E-08	1.6E-01	6.7E-01	1.3E-09
412	1.3E+01	2.4E-07	1.0E-03	3.4E-09	1.6E-01	6.7E-01	3.5E-10	1.7E+01	7.7E-07	1.0E-03	1.4E-08	1.6E-01	6.7E-01	1.5E-09
413	1.1E+01	2.4E-07	1.0E-03	2.9E-09	1.6E-01	6.7E-01	3.0E-10	1.4E+01	7.7E-07	1.0E-03	1.2E-08	1.6E-01	6.7E-01	1.2E-09
414	9.8E+00	2.4E-07	1.0E-03	2.5E-09	1.6E-01	6.7E-01	2.6E-10	1.2E+01	7.7E-07	1.0E-03	9.8E-09	1.6E-01	6.7E-01	1.0E-09
415	8.6E+00	2.4E-07	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.3E-10	1.0E+01	7.7E-07	1.0E-03	8.4E-09	1.6E-01	6.7E-01	8.8E-10
416	7.6E+00	2.4E-07	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10	9.0E+00	7.7E-07	1.0E-03	7.2E-09	1.6E-01	6.7E-01	7.6E-10
417	6.7E+00	2.4E-07	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10	7.8E+00	7.7E-07	1.0E-03	6.3E-09	1.6E-01	6.7E-01	6.6E-10
418	6.0E+00	2.4E-07	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.6E-10	6.9E+00	7.7E-07	1.0E-03	5.5E-09	1.6E-01	6.7E-01	5.8E-10
419	5.4E+00	2.4E-07	1.0E-03	1.4E-09	1.6E-01	6.7E-01	1.4E-10	6.1E+00	7.7E-07	1.0E-03	4.9E-09	1.6E-01	6.7E-01	5.1E-10
420	4.9E+00	2.4E-07	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.3E-10	5.4E+00	7.7E-07	1.0E-03	4.4E-09	1.6E-01	6.7E-01	4.6E-10
421	4.4E+00	2.4E-07	1.0E-03	1.1E-09	1.6E-01	6.7E-01	1.2E-10	4.9E+00	7.7E-07	1.0E-03	3.9E-09	1.6E-01	6.7E-01	4.1E-10
422	3.2E+01	2.4E-07	1.0E-03	8.2E-09	1.6E-01	6.7E-01	8.6E-10	1.5E+01	7.7E-07	1.0E-03	1.2E-08	1.6E-01	6.7E-01	1.2E-09
423	4.7E+01	2.4E-07	1.0E-03	1.2E-08	1.6E-01	6.7E-01	1.3E-09	1.9E+01	7.7E-07	1.0E-03	1.5E-08	1.6E-01	6.7E-01	1.6E-09
424	7.5E+01	2.4E-07	1.0E-03	1.9E-08	1.6E-01	6.7E-01	2.0E-09	2.5E+01	7.7E-07	1.0E-03	2.0E-08	1.6E-01	6.7E-01	2.1E-09
425	6.2E+01	2.4E-07	1.0E-03	1.6E-08	1.6E-01	6.7E-01	1.7E-09	3.3E+01	7.7E-07	1.0E-03	2.7E-08	1.6E-01	6.7E-01	2.8E-09
426	3.4E+01	2.4E-07	1.0E-03	8.6E-09	1.6E-01	6.7E-01	9.1E-10	4.4E+01	7.7E-07	1.0E-03	3.5E-08	1.6E-01	6.7E-01	3.7E-09
427	1.3E+01	2.4E-07	1.0E-03	3.3E-09	1.6E-01	6.7E-01	3.4E-10	1.5E+01	7.7E-07	1.0E-03	1.2E-08	1.6E-01	6.7E-01	1.3E-09
428	1.1E+01	2.4E-07	1.0E-03	2.8E-09	1.6E-01	6.7E-01	3.0E-10	1.3E+01	7.7E-07	1.0E-03	1.0E-08	1.6E-01	6.7E-01	1.1E-09
429	9.5E+00	2.4E-07	1.0E-03	2.4E-09	1.6E-01	6.7E-01	2.6E-10	1.1E+01	7.7E-07	1.0E-03	9.0E-09	1.6E-01	6.7E-01	9.4E-10
430	8.3E+00	2.4E-07	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.2E-10	9.6E+00	7.7E-07	1.0E-03	7.7E-09	1.6E-01	6.7E-01	8.1E-10

Franklin School Project

Risk From Modernization Const - Unmitigated Residential

	Haul Route 1A							Haul Route 2A						
Receptor #	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
431	7.3E+00	2.4E-07	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10	8.3E+00	7.7E-07	1.0E-03	6.7E-09	1.6E-01	6.7E-01	7.1E-10
432	6.5E+00	2.4E-07	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.7E-10	7.3E+00	7.7E-07	1.0E-03	5.9E-09	1.6E-01	6.7E-01	6.2E-10
433	5.8E+00	2.4E-07	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.6E-10	6.4E+00	7.7E-07	1.0E-03	5.2E-09	1.6E-01	6.7E-01	5.5E-10
434	5.2E+00	2.4E-07	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.4E-10	5.7E+00	7.7E-07	1.0E-03	4.6E-09	1.6E-01	6.7E-01	4.8E-10
435	4.7E+00	2.4E-07	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.3E-10	5.1E+00	7.7E-07	1.0E-03	4.1E-09	1.6E-01	6.7E-01	4.3E-10
436	4.3E+00	2.4E-07	1.0E-03	1.1E-09	1.6E-01	6.7E-01	1.1E-10	4.6E+00	7.7E-07	1.0E-03	3.7E-09	1.6E-01	6.7E-01	3.9E-10
437	3.2E+01	2.4E-07	1.0E-03	8.2E-09	1.6E-01	6.7E-01	8.6E-10	1.3E+01	7.7E-07	1.0E-03	1.0E-08	1.6E-01	6.7E-01	1.1E-09
438	4.7E+01	2.4E-07	1.0E-03	1.2E-08	1.6E-01	6.7E-01	1.3E-09	1.6E+01	7.7E-07	1.0E-03	1.3E-08	1.6E-01	6.7E-01	1.3E-09
439	7.4E+01	2.4E-07	1.0E-03	1.9E-08	1.6E-01	6.7E-01	2.0E-09	2.0E+01	7.7E-07	1.0E-03	1.6E-08	1.6E-01	6.7E-01	1.7E-09
440	6.2E+01	2.4E-07	1.0E-03	1.6E-08	1.6E-01	6.7E-01	1.7E-09	2.4E+01	7.7E-07	1.0E-03	2.0E-08	1.6E-01	6.7E-01	2.1E-09
441	3.0E+01	2.4E-07	1.0E-03	7.6E-09	1.6E-01	6.7E-01	8.0E-10	3.0E+01	7.7E-07	1.0E-03	2.5E-08	1.6E-01	6.7E-01	2.6E-09
442	1.2E+01	2.4E-07	1.0E-03	3.1E-09	1.6E-01	6.7E-01	3.3E-10	1.3E+01	7.7E-07	1.0E-03	1.1E-08	1.6E-01	6.7E-01	1.1E-09
443	1.1E+01	2.4E-07	1.0E-03	2.7E-09	1.6E-01	6.7E-01	2.8E-10	1.2E+01	7.7E-07	1.0E-03	9.4E-09	1.6E-01	6.7E-01	9.8E-10
444	9.1E+00	2.4E-07	1.0E-03	2.3E-09	1.6E-01	6.7E-01	2.5E-10	1.0E+01	7.7E-07	1.0E-03	8.1E-09	1.6E-01	6.7E-01	8.5E-10
445	8.0E+00	2.4E-07	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.2E-10	8.7E+00	7.7E-07	1.0E-03	7.1E-09	1.6E-01	6.7E-01	7.4E-10
446	7.0E+00	2.4E-07	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10	7.7E+00	7.7E-07	1.0E-03	6.2E-09	1.6E-01	6.7E-01	6.5E-10
447	6.2E+00	2.4E-07	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10	6.8E+00	7.7E-07	1.0E-03	5.5E-09	1.6E-01	6.7E-01	5.7E-10
448	5.6E+00	2.4E-07	1.0E-03	1.4E-09	1.6E-01	6.7E-01	1.5E-10	6.0E+00	7.7E-07	1.0E-03	4.8E-09	1.6E-01	6.7E-01	5.1E-10
449	5.0E+00	2.4E-07	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.3E-10	5.3E+00	7.7E-07	1.0E-03	4.3E-09	1.6E-01	6.7E-01	4.5E-10
450	4.5E+00	2.4E-07	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.2E-10	4.8E+00	7.7E-07	1.0E-03	3.9E-09	1.6E-01	6.7E-01	4.1E-10
451	4.1E+00	2.4E-07	1.0E-03	1.0E-09	1.6E-01	6.7E-01	1.1E-10	4.3E+00	7.7E-07	1.0E-03	3.5E-09	1.6E-01	6.7E-01	3.7E-10
452	3.0E+01	2.4E-07	1.0E-03	7.8E-09	1.6E-01	6.7E-01	8.2E-10	1.1E+01	7.7E-07	1.0E-03	8.6E-09	1.6E-01	6.7E-01	9.1E-10
453	4.5E+01	2.4E-07	1.0E-03	1.1E-08	1.6E-01	6.7E-01	1.2E-09	1.3E+01	7.7E-07	1.0E-03	1.0E-08	1.6E-01	6.7E-01	1.1E-09
454	7.0E+01	2.4E-07	1.0E-03	1.8E-08	1.6E-01	6.7E-01	1.9E-09	1.6E+01	7.7E-07	1.0E-03	1.3E-08	1.6E-01	6.7E-01	1.3E-09
455	1.5E+01	2.4E-07	1.0E-03	3.8E-09	1.6E-01	6.7E-01	4.0E-10	1.9E+01	7.7E-07	1.0E-03	1.5E-08	1.6E-01	6.7E-01	1.6E-09
456	1.8E+01	2.4E-07	1.0E-03	4.5E-09	1.6E-01	6.7E-01	4.8E-10	2.2E+01	7.7E-07	1.0E-03	1.8E-08	1.6E-01	6.7E-01	1.9E-09
457	1.2E+01	2.4E-07	1.0E-03	3.0E-09	1.6E-01	6.7E-01	3.1E-10	1.2E+01	7.7E-07	1.0E-03	9.5E-09	1.6E-01	6.7E-01	1.0E-09
458	1.0E+01	2.4E-07	1.0E-03	2.6E-09	1.6E-01	6.7E-01	2.7E-10	1.0E+01	7.7E-07	1.0E-03	8.3E-09	1.6E-01	6.7E-01	8.7E-10
459	8.7E+00	2.4E-07	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.3E-10	9.0E+00	7.7E-07	1.0E-03	7.3E-09	1.6E-01	6.7E-01	7.7E-10
460	7.6E+00	2.4E-07	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10	7.9E+00	7.7E-07	1.0E-03	6.4E-09	1.6E-01	6.7E-01	6.7E-10
461	6.7E+00	2.4E-07	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10	7.0E+00	7.7E-07	1.0E-03	5.7E-09	1.6E-01	6.7E-01	6.0E-10
462	6.0E+00	2.4E-07	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.6E-10	6.2E+00	7.7E-07	1.0E-03	5.0E-09	1.6E-01	6.7E-01	5.3E-10
463	5.3E+00	2.4E-07	1.0E-03	1.4E-09	1.6E-01	6.7E-01	1.4E-10	5.6E+00	7.7E-07	1.0E-03	4.5E-09	1.6E-01	6.7E-01	4.7E-10
464	4.8E+00	2.4E-07	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.3E-10	5.0E+00	7.7E-07	1.0E-03	4.1E-09	1.6E-01	6.7E-01	4.3E-10
465	4.3E+00	2.4E-07	1.0E-03	1.1E-09	1.6E-01	6.7E-01	1.2E-10	4.5E+00	7.7E-07	1.0E-03	3.6E-09	1.6E-01	6.7E-01	3.8E-10
466	3.9E+00	2.4E-07	1.0E-03	1.0E-09	1.6E-01	6.7E-01	1.1E-10	4.1E+00	7.7E-07	1.0E-03	3.3E-09	1.6E-01	6.7E-01	3.5E-10
467	2.8E+01	2.4E-07	1.0E-03	7.1E-09	1.6E-01	6.7E-01	7.4E-10	9.1E+00	7.7E-07	1.0E-03	7.3E-09	1.6E-01	6.7E-01	7.7E-10
468	4.0E+01	2.4E-07	1.0E-03	1.0E-08	1.6E-01	6.7E-01	1.1E-09	1.1E+01	7.7E-07	1.0E-03	8.6E-09	1.6E-01	6.7E-01	9.1E-10
469	6.1E+01	2.4E-07	1.0E-03	1.6E-08	1.6E-01	6.7E-01	1.6E-09	1.3E+01	7.7E-07	1.0E-03	1.0E-08	1.6E-01	6.7E-01	1.1E-09
470	3.9E+01	2.4E-07	1.0E-03	9.9E-09	1.6E-01	6.7E-01	1.0E-09	1.5E+01	7.7E-07	1.0E-03	1.2E-08	1.6E-01	6.7E-01	1.3E-09
471	5.0E+01	2.4E-07	1.0E-03	1.3E-08	1.6E-01	6.7E-01	1.4E-09	1.7E+01	7.7E-07	1.0E-03	1.4E-08	1.6E-01	6.7E-01	1.5E-09
472	1.1E+01	2.4E-07	1.0E-03	2.8E-09	1.6E-01	6.7E-01	2.9E-10	1.0E+01	7.7E-07	1.0E-03	8.3E-09	1.6E-01	6.7E-01	8.7E-10
473	9.3E+00	2.4E-07	1.0E-03	2.4E-09	1.6E-01	6.7E-01	2.5E-10	9.1E+00	7.7E-07	1.0E-03	7.4E-09	1.6E-01	6.7E-01	7.8E-10

Franklin School Project

Risk From Modernization Const - Unmitigated Residential

	Haul Route 1A							Haul Route 2A						
Receptor #	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
474	8.2E+00	2.4E-07	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.2E-10	8.1E+00	7.7E-07	1.0E-03	6.6E-09	1.6E-01	6.7E-01	6.9E-10
475	7.2E+00	2.4E-07	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10	7.2E+00	7.7E-07	1.0E-03	5.8E-09	1.6E-01	6.7E-01	6.1E-10
476	6.3E+00	2.4E-07	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10	6.4E+00	7.7E-07	1.0E-03	5.2E-09	1.6E-01	6.7E-01	5.5E-10
477	5.7E+00	2.4E-07	1.0E-03	1.4E-09	1.6E-01	6.7E-01	1.5E-10	5.8E+00	7.7E-07	1.0E-03	4.7E-09	1.6E-01	6.7E-01	4.9E-10
478	5.1E+00	2.4E-07	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.4E-10	5.2E+00	7.7E-07	1.0E-03	4.2E-09	1.6E-01	6.7E-01	4.4E-10
479	4.6E+00	2.4E-07	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.2E-10	4.7E+00	7.7E-07	1.0E-03	3.8E-09	1.6E-01	6.7E-01	4.0E-10
480	4.1E+00	2.4E-07	1.0E-03	1.1E-09	1.6E-01	6.7E-01	1.1E-10	4.2E+00	7.7E-07	1.0E-03	3.4E-09	1.6E-01	6.7E-01	3.6E-10
481	3.7E+00	2.4E-07	1.0E-03	9.6E-10	1.6E-01	6.7E-01	1.0E-10	3.9E+00	7.7E-07	1.0E-03	3.1E-09	1.6E-01	6.7E-01	3.3E-10
482	2.4E+01	2.4E-07	1.0E-03	6.1E-09	1.6E-01	6.7E-01	6.5E-10	7.8E+00	7.7E-07	1.0E-03	6.3E-09	1.6E-01	6.7E-01	6.6E-10
483	3.4E+01	2.4E-07	1.0E-03	8.6E-09	1.6E-01	6.7E-01	9.0E-10	9.0E+00	7.7E-07	1.0E-03	7.3E-09	1.6E-01	6.7E-01	7.6E-10
484	5.0E+01	2.4E-07	1.0E-03	1.3E-08	1.6E-01	6.7E-01	1.3E-09	1.0E+01	7.7E-07	1.0E-03	8.4E-09	1.6E-01	6.7E-01	8.8E-10
485	2.6E+01	2.4E-07	1.0E-03	6.6E-09	1.6E-01	6.7E-01	6.9E-10	1.2E+01	7.7E-07	1.0E-03	9.7E-09	1.6E-01	6.7E-01	1.0E-09
486	3.1E+01	2.4E-07	1.0E-03	7.8E-09	1.6E-01	6.7E-01	8.2E-10	1.4E+01	7.7E-07	1.0E-03	1.1E-08	1.6E-01	6.7E-01	1.2E-09
487	9.9E+00	2.4E-07	1.0E-03	2.5E-09	1.6E-01	6.7E-01	2.7E-10	9.1E+00	7.7E-07	1.0E-03	7.3E-09	1.6E-01	6.7E-01	7.7E-10
488	8.7E+00	2.4E-07	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.3E-10	8.1E+00	7.7E-07	1.0E-03	6.6E-09	1.6E-01	6.7E-01	6.9E-10
489	7.6E+00	2.4E-07	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10	7.3E+00	7.7E-07	1.0E-03	5.9E-09	1.6E-01	6.7E-01	6.2E-10
490	6.7E+00	2.4E-07	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10	6.6E+00	7.7E-07	1.0E-03	5.3E-09	1.6E-01	6.7E-01	5.6E-10
491	6.0E+00	2.4E-07	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.6E-10	5.9E+00	7.7E-07	1.0E-03	4.8E-09	1.6E-01	6.7E-01	5.0E-10
492	5.3E+00	2.4E-07	1.0E-03	1.4E-09	1.6E-01	6.7E-01	1.4E-10	5.3E+00	7.7E-07	1.0E-03	4.3E-09	1.6E-01	6.7E-01	4.5E-10
493	4.8E+00	2.4E-07	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.3E-10	4.8E+00	7.7E-07	1.0E-03	3.9E-09	1.6E-01	6.7E-01	4.1E-10
494	4.3E+00	2.4E-07	1.0E-03	1.1E-09	1.6E-01	6.7E-01	1.2E-10	4.4E+00	7.7E-07	1.0E-03	3.5E-09	1.6E-01	6.7E-01	3.7E-10
495	3.9E+00	2.4E-07	1.0E-03	1.0E-09	1.6E-01	6.7E-01	1.1E-10	4.0E+00	7.7E-07	1.0E-03	3.2E-09	1.6E-01	6.7E-01	3.4E-10
496	3.6E+00	2.4E-07	1.0E-03	9.2E-10	1.6E-01	6.7E-01	9.6E-11	3.6E+00	7.7E-07	1.0E-03	2.9E-09	1.6E-01	6.7E-01	3.1E-10
497	2.0E+01	2.4E-07	1.0E-03	5.2E-09	1.6E-01	6.7E-01	5.5E-10	6.7E+00	7.7E-07	1.0E-03	5.4E-09	1.6E-01	6.7E-01	5.7E-10
498	2.7E+01	2.4E-07	1.0E-03	7.0E-09	1.6E-01	6.7E-01	7.4E-10	7.7E+00	7.7E-07	1.0E-03	6.2E-09	1.6E-01	6.7E-01	6.5E-10
499	3.8E+01	2.4E-07	1.0E-03	9.7E-09	1.6E-01	6.7E-01	1.0E-09	8.8E+00	7.7E-07	1.0E-03	7.1E-09	1.6E-01	6.7E-01	7.4E-10
500	5.3E+01	2.4E-07	1.0E-03	1.4E-08	1.6E-01	6.7E-01	1.4E-09	1.0E+01	7.7E-07	1.0E-03	8.1E-09	1.6E-01	6.7E-01	8.5E-10
501	2.0E+01	2.4E-07	1.0E-03	5.2E-09	1.6E-01	6.7E-01	5.5E-10	1.1E+01	7.7E-07	1.0E-03	9.0E-09	1.6E-01	6.7E-01	9.5E-10
502	9.1E+00	2.4E-07	1.0E-03	2.3E-09	1.6E-01	6.7E-01	2.5E-10	8.0E+00	7.7E-07	1.0E-03	6.5E-09	1.6E-01	6.7E-01	6.8E-10
503	8.0E+00	2.4E-07	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.2E-10	7.3E+00	7.7E-07	1.0E-03	5.9E-09	1.6E-01	6.7E-01	6.2E-10
504	7.1E+00	2.4E-07	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10	6.6E+00	7.7E-07	1.0E-03	5.3E-09	1.6E-01	6.7E-01	5.6E-10
505	6.3E+00	2.4E-07	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10	6.0E+00	7.7E-07	1.0E-03	4.8E-09	1.6E-01	6.7E-01	5.1E-10
506	5.6E+00	2.4E-07	1.0E-03	1.4E-09	1.6E-01	6.7E-01	1.5E-10	5.4E+00	7.7E-07	1.0E-03	4.4E-09	1.6E-01	6.7E-01	4.6E-10
507	5.0E+00	2.4E-07	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.4E-10	4.9E+00	7.7E-07	1.0E-03	4.0E-09	1.6E-01	6.7E-01	4.2E-10
508	4.5E+00	2.4E-07	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.2E-10	4.5E+00	7.7E-07	1.0E-03	3.6E-09	1.6E-01	6.7E-01	3.8E-10
509	4.1E+00	2.4E-07	1.0E-03	1.1E-09	1.6E-01	6.7E-01	1.1E-10	4.1E+00	7.7E-07	1.0E-03	3.3E-09	1.6E-01	6.7E-01	3.5E-10
510	3.7E+00	2.4E-07	1.0E-03	9.6E-10	1.6E-01	6.7E-01	1.0E-10	3.8E+00	7.7E-07	1.0E-03	3.0E-09	1.6E-01	6.7E-01	3.2E-10
511	3.4E+00	2.4E-07	1.0E-03	8.7E-10	1.6E-01	6.7E-01	9.2E-11	3.4E+00	7.7E-07	1.0E-03	2.8E-09	1.6E-01	6.7E-01	2.9E-10
512	1.7E+01	2.4E-07	1.0E-03	4.3E-09	1.6E-01	6.7E-01	4.5E-10	5.9E+00	7.7E-07	1.0E-03	4.7E-09	1.6E-01	6.7E-01	5.0E-10
513	2.2E+01	2.4E-07	1.0E-03	5.5E-09	1.6E-01	6.7E-01	5.8E-10	6.6E+00	7.7E-07	1.0E-03	5.3E-09	1.6E-01	6.7E-01	5.6E-10
514	2.8E+01	2.4E-07	1.0E-03	7.1E-09	1.6E-01	6.7E-01	7.5E-10	7.4E+00	7.7E-07	1.0E-03	6.0E-09	1.6E-01	6.7E-01	6.3E-10
515	3.6E+01	2.4E-07	1.0E-03	9.1E-09	1.6E-01	6.7E-01	9.6E-10	8.3E+00	7.7E-07	1.0E-03	6.7E-09	1.6E-01	6.7E-01	7.1E-10
516	4.3E+01	2.4E-07	1.0E-03	1.1E-08	1.6E-01	6.7E-01	1.1E-09	9.2E+00	7.7E-07	1.0E-03	7.4E-09	1.6E-01	6.7E-01	7.8E-10

Franklin School Project

Risk From Modernization Const - Unmitigated Residential

	Haul Route 1A							Haul Route 2A						
Receptor #	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
517	8.3E+00	2.4E-07	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.2E-10	7.1E+00	7.7E-07	1.0E-03	5.8E-09	1.6E-01	6.7E-01	6.1E-10
518	7.4E+00	2.4E-07	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10	6.6E+00	7.7E-07	1.0E-03	5.3E-09	1.6E-01	6.7E-01	5.6E-10
519	6.5E+00	2.4E-07	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10	6.0E+00	7.7E-07	1.0E-03	4.8E-09	1.6E-01	6.7E-01	5.1E-10
520	5.8E+00	2.4E-07	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.6E-10	5.5E+00	7.7E-07	1.0E-03	4.4E-09	1.6E-01	6.7E-01	4.6E-10
521	5.2E+00	2.4E-07	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.4E-10	5.0E+00	7.7E-07	1.0E-03	4.0E-09	1.6E-01	6.7E-01	4.2E-10
522	4.7E+00	2.4E-07	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.3E-10	4.6E+00	7.7E-07	1.0E-03	3.7E-09	1.6E-01	6.7E-01	3.9E-10
523	4.3E+00	2.4E-07	1.0E-03	1.1E-09	1.6E-01	6.7E-01	1.1E-10	4.2E+00	7.7E-07	1.0E-03	3.4E-09	1.6E-01	6.7E-01	3.6E-10
524	3.9E+00	2.4E-07	1.0E-03	9.9E-10	1.6E-01	6.7E-01	1.0E-10	3.8E+00	7.7E-07	1.0E-03	3.1E-09	1.6E-01	6.7E-01	3.3E-10
525	3.5E+00	2.4E-07	1.0E-03	9.1E-10	1.6E-01	6.7E-01	9.5E-11	3.5E+00	7.7E-07	1.0E-03	2.9E-09	1.6E-01	6.7E-01	3.0E-10
526	3.2E+00	2.4E-07	1.0E-03	8.3E-10	1.6E-01	6.7E-01	8.7E-11	3.2E+00	7.7E-07	1.0E-03	2.6E-09	1.6E-01	6.7E-01	2.7E-10
527	1.4E+01	2.4E-07	1.0E-03	3.6E-09	1.6E-01	6.7E-01	3.7E-10	5.2E+00	7.7E-07	1.0E-03	4.2E-09	1.6E-01	6.7E-01	4.4E-10
528	1.7E+01	2.4E-07	1.0E-03	4.4E-09	1.6E-01	6.7E-01	4.6E-10	5.8E+00	7.7E-07	1.0E-03	4.7E-09	1.6E-01	6.7E-01	4.9E-10
529	2.1E+01	2.4E-07	1.0E-03	5.4E-09	1.6E-01	6.7E-01	5.6E-10	6.4E+00	7.7E-07	1.0E-03	5.2E-09	1.6E-01	6.7E-01	5.4E-10
530	2.5E+01	2.4E-07	1.0E-03	6.4E-09	1.6E-01	6.7E-01	6.7E-10	7.1E+00	7.7E-07	1.0E-03	5.7E-09	1.6E-01	6.7E-01	6.0E-10
531	2.8E+01	2.4E-07	1.0E-03	7.2E-09	1.6E-01	6.7E-01	7.5E-10	7.8E+00	7.7E-07	1.0E-03	6.3E-09	1.6E-01	6.7E-01	6.6E-10
532	7.6E+00	2.4E-07	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10	6.4E+00	7.7E-07	1.0E-03	5.2E-09	1.6E-01	6.7E-01	5.4E-10
533	6.8E+00	2.4E-07	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10	5.9E+00	7.7E-07	1.0E-03	4.8E-09	1.6E-01	6.7E-01	5.0E-10
534	6.0E+00	2.4E-07	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.6E-10	5.4E+00	7.7E-07	1.0E-03	4.4E-09	1.6E-01	6.7E-01	4.6E-10
535	5.4E+00	2.4E-07	1.0E-03	1.4E-09	1.6E-01	6.7E-01	1.4E-10	5.0E+00	7.7E-07	1.0E-03	4.0E-09	1.6E-01	6.7E-01	4.2E-10
536	4.9E+00	2.4E-07	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.3E-10	4.6E+00	7.7E-07	1.0E-03	3.7E-09	1.6E-01	6.7E-01	3.9E-10
537	4.4E+00	2.4E-07	1.0E-03	1.1E-09	1.6E-01	6.7E-01	1.2E-10	4.2E+00	7.7E-07	1.0E-03	3.4E-09	1.6E-01	6.7E-01	3.6E-10
538	4.0E+00	2.4E-07	1.0E-03	1.0E-09	1.6E-01	6.7E-01	1.1E-10	3.9E+00	7.7E-07	1.0E-03	3.1E-09	1.6E-01	6.7E-01	3.3E-10
539	3.7E+00	2.4E-07	1.0E-03	9.4E-10	1.6E-01	6.7E-01	9.8E-11	3.6E+00	7.7E-07	1.0E-03	2.9E-09	1.6E-01	6.7E-01	3.0E-10
540	3.3E+00	2.4E-07	1.0E-03	8.5E-10	1.6E-01	6.7E-01	9.0E-11	3.3E+00	7.7E-07	1.0E-03	2.7E-09	1.6E-01	6.7E-01	2.8E-10
541	3.0E+00	2.4E-07	1.0E-03	7.8E-10	1.6E-01	6.7E-01	8.2E-11	3.0E+00	7.7E-07	1.0E-03	2.5E-09	1.6E-01	6.7E-01	2.6E-10
542	1.2E+01	2.4E-07	1.0E-03	3.0E-09	1.6E-01	6.7E-01	3.1E-10	4.6E+00	7.7E-07	1.0E-03	3.7E-09	1.6E-01	6.7E-01	3.9E-10
543	1.4E+01	2.4E-07	1.0E-03	3.5E-09	1.6E-01	6.7E-01	3.7E-10	5.1E+00	7.7E-07	1.0E-03	4.1E-09	1.6E-01	6.7E-01	4.3E-10
544	1.6E+01	2.4E-07	1.0E-03	4.1E-09	1.6E-01	6.7E-01	4.3E-10	5.6E+00	7.7E-07	1.0E-03	4.5E-09	1.6E-01	6.7E-01	4.8E-10
545	1.8E+01	2.4E-07	1.0E-03	4.7E-09	1.6E-01	6.7E-01	4.9E-10	6.1E+00	7.7E-07	1.0E-03	4.9E-09	1.6E-01	6.7E-01	5.2E-10
546	2.0E+01	2.4E-07	1.0E-03	5.1E-09	1.6E-01	6.7E-01	5.4E-10	6.6E+00	7.7E-07	1.0E-03	5.3E-09	1.6E-01	6.7E-01	5.6E-10
547	6.9E+00	2.4E-07	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10	5.7E+00	7.7E-07	1.0E-03	4.6E-09	1.6E-01	6.7E-01	4.9E-10
548	6.2E+00	2.4E-07	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10	5.3E+00	7.7E-07	1.0E-03	4.3E-09	1.6E-01	6.7E-01	4.5E-10
549	5.5E+00	2.4E-07	1.0E-03	1.4E-09	1.6E-01	6.7E-01	1.5E-10	4.9E+00	7.7E-07	1.0E-03	4.0E-09	1.6E-01	6.7E-01	4.2E-10
550	5.0E+00	2.4E-07	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.3E-10	4.6E+00	7.7E-07	1.0E-03	3.7E-09	1.6E-01	6.7E-01	3.9E-10
551	4.5E+00	2.4E-07	1.0E-03	1.1E-09	1.6E-01	6.7E-01	1.2E-10	4.2E+00	7.7E-07	1.0E-03	3.4E-09	1.6E-01	6.7E-01	3.5E-10
552	4.0E+00	2.4E-07	1.0E-03	1.0E-09	1.6E-01	6.7E-01	1.1E-10	3.8E+00	7.7E-07	1.0E-03	3.1E-09	1.6E-01	6.7E-01	3.3E-10
553	3.7E+00	2.4E-07	1.0E-03	9.5E-10	1.6E-01	6.7E-01	9.9E-11	3.6E+00	7.7E-07	1.0E-03	2.9E-09	1.6E-01	6.7E-01	3.0E-10
554	3.4E+00	2.4E-07	1.0E-03	8.7E-10	1.6E-01	6.7E-01	9.1E-11	3.3E+00	7.7E-07	1.0E-03	2.7E-09	1.6E-01	6.7E-01	2.8E-10
555	3.1E+00	2.4E-07	1.0E-03	8.0E-10	1.6E-01	6.7E-01	8.4E-11	3.1E+00	7.7E-07	1.0E-03	2.5E-09	1.6E-01	6.7E-01	2.6E-10
556	2.9E+00	2.4E-07	1.0E-03	7.3E-10	1.6E-01	6.7E-01	7.7E-11	2.8E+00	7.7E-07	1.0E-03	2.3E-09	1.6E-01	6.7E-01	2.4E-10
557	9.6E+00	2.4E-07	1.0E-03	2.5E-09	1.6E-01	6.7E-01	2.6E-10	4.1E+00	7.7E-07	1.0E-03	3.3E-09	1.6E-01	6.7E-01	3.5E-10
558	1.1E+01	2.4E-07	1.0E-03	2.9E-09	1.6E-01	6.7E-01	3.0E-10	4.5E+00	7.7E-07	1.0E-03	3.6E-09	1.6E-01	6.7E-01	3.8E-10
559	1.3E+01	2.4E-07	1.0E-03	3.3E-09	1.6E-01	6.7E-01	3.4E-10	4.9E+00	7.7E-07	1.0E-03	4.0E-09	1.6E-01	6.7E-01	4.2E-10

Franklin School Project

Risk From Modernization Const - Unmitigated Residential

	Haul Route 1A							Haul Route 2A						
Receptor #	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
560	1.4E+01	2.4E-07	1.0E-03	3.6E-09	1.6E-01	6.7E-01	3.8E-10	5.3E+00	7.7E-07	1.0E-03	4.3E-09	1.6E-01	6.7E-01	4.5E-10
561	1.5E+01	2.4E-07	1.0E-03	3.9E-09	1.6E-01	6.7E-01	4.1E-10	5.7E+00	7.7E-07	1.0E-03	4.6E-09	1.6E-01	6.7E-01	4.8E-10
562	5.7E+00	2.4E-07	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.5E-10	4.9E+00	7.7E-07	1.0E-03	3.9E-09	1.6E-01	6.7E-01	4.1E-10
563	5.1E+00	2.4E-07	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.4E-10	4.5E+00	7.7E-07	1.0E-03	3.7E-09	1.6E-01	6.7E-01	3.8E-10
564	4.6E+00	2.4E-07	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.2E-10	4.2E+00	7.7E-07	1.0E-03	3.4E-09	1.6E-01	6.7E-01	3.6E-10
565	4.1E+00	2.4E-07	1.0E-03	1.0E-09	1.6E-01	6.7E-01	1.1E-10	3.8E+00	7.7E-07	1.0E-03	3.0E-09	1.6E-01	6.7E-01	3.2E-10
566	3.7E+00	2.4E-07	1.0E-03	9.4E-10	1.6E-01	6.7E-01	9.9E-11	3.5E+00	7.7E-07	1.0E-03	2.8E-09	1.6E-01	6.7E-01	3.0E-10
567	3.4E+00	2.4E-07	1.0E-03	8.6E-10	1.6E-01	6.7E-01	9.1E-11	3.2E+00	7.7E-07	1.0E-03	2.6E-09	1.6E-01	6.7E-01	2.7E-10
568	3.1E+00	2.4E-07	1.0E-03	7.9E-10	1.6E-01	6.7E-01	8.3E-11	3.0E+00	7.7E-07	1.0E-03	2.4E-09	1.6E-01	6.7E-01	2.6E-10
569	2.9E+00	2.4E-07	1.0E-03	7.3E-10	1.6E-01	6.7E-01	7.7E-11	2.8E+00	7.7E-07	1.0E-03	2.3E-09	1.6E-01	6.7E-01	2.4E-10
570	2.7E+00	2.4E-07	1.0E-03	6.8E-10	1.6E-01	6.7E-01	7.2E-11	2.6E+00	7.7E-07	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.2E-10
571	8.2E+00	2.4E-07	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.2E-10	3.7E+00	7.7E-07	1.0E-03	3.0E-09	1.6E-01	6.7E-01	3.1E-10
572	9.3E+00	2.4E-07	1.0E-03	2.4E-09	1.6E-01	6.7E-01	2.5E-10	4.0E+00	7.7E-07	1.0E-03	3.2E-09	1.6E-01	6.7E-01	3.4E-10
573	1.0E+01	2.4E-07	1.0E-03	2.6E-09	1.6E-01	6.7E-01	2.8E-10	4.3E+00	7.7E-07	1.0E-03	3.5E-09	1.6E-01	6.7E-01	3.7E-10
574	1.1E+01	2.4E-07	1.0E-03	2.9E-09	1.6E-01	6.7E-01	3.0E-10	4.7E+00	7.7E-07	1.0E-03	3.8E-09	1.6E-01	6.7E-01	4.0E-10
575	1.2E+01	2.4E-07	1.0E-03	3.0E-09	1.6E-01	6.7E-01	3.2E-10	5.0E+00	7.7E-07	1.0E-03	4.0E-09	1.6E-01	6.7E-01	4.2E-10
576	4.8E+00	2.4E-07	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.3E-10	4.2E+00	7.7E-07	1.0E-03	3.4E-09	1.6E-01	6.7E-01	3.5E-10
577	4.3E+00	2.4E-07	1.0E-03	1.1E-09	1.6E-01	6.7E-01	1.2E-10	3.9E+00	7.7E-07	1.0E-03	3.1E-09	1.6E-01	6.7E-01	3.3E-10
578	3.9E+00	2.4E-07	1.0E-03	1.0E-09	1.6E-01	6.7E-01	1.0E-10	3.6E+00	7.7E-07	1.0E-03	2.9E-09	1.6E-01	6.7E-01	3.0E-10
579	3.6E+00	2.4E-07	1.0E-03	9.1E-10	1.6E-01	6.7E-01	9.6E-11	3.3E+00	7.7E-07	1.0E-03	2.7E-09	1.6E-01	6.7E-01	2.8E-10
580	3.3E+00	2.4E-07	1.0E-03	8.3E-10	1.6E-01	6.7E-01	8.8E-11	3.1E+00	7.7E-07	1.0E-03	2.5E-09	1.6E-01	6.7E-01	2.6E-10
581	3.0E+00	2.4E-07	1.0E-03	7.6E-10	1.6E-01	6.7E-01	8.0E-11	2.9E+00	7.7E-07	1.0E-03	2.3E-09	1.6E-01	6.7E-01	2.4E-10
582	2.7E+00	2.4E-07	1.0E-03	7.0E-10	1.6E-01	6.7E-01	7.3E-11	2.7E+00	7.7E-07	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.3E-10
583	2.5E+00	2.4E-07	1.0E-03	6.4E-10	1.6E-01	6.7E-01	6.7E-11	2.5E+00	7.7E-07	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10
584	7.0E+00	2.4E-07	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10	3.3E+00	7.7E-07	1.0E-03	2.7E-09	1.6E-01	6.7E-01	2.8E-10
585	7.8E+00	2.4E-07	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10	3.6E+00	7.7E-07	1.0E-03	2.9E-09	1.6E-01	6.7E-01	3.1E-10
586	8.5E+00	2.4E-07	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.3E-10	3.9E+00	7.7E-07	1.0E-03	3.1E-09	1.6E-01	6.7E-01	3.3E-10
587	9.1E+00	2.4E-07	1.0E-03	2.3E-09	1.6E-01	6.7E-01	2.5E-10	4.1E+00	7.7E-07	1.0E-03	3.4E-09	1.6E-01	6.7E-01	3.5E-10
588	9.7E+00	2.4E-07	1.0E-03	2.5E-09	1.6E-01	6.7E-01	2.6E-10	4.4E+00	7.7E-07	1.0E-03	3.5E-09	1.6E-01	6.7E-01	3.7E-10
589	4.1E+00	2.4E-07	1.0E-03	1.0E-09	1.6E-01	6.7E-01	1.1E-10	3.6E+00	7.7E-07	1.0E-03	2.9E-09	1.6E-01	6.7E-01	3.1E-10
590	3.8E+00	2.4E-07	1.0E-03	9.7E-10	1.6E-01	6.7E-01	1.0E-10	3.4E+00	7.7E-07	1.0E-03	2.8E-09	1.6E-01	6.7E-01	2.9E-10
591	3.5E+00	2.4E-07	1.0E-03	8.9E-10	1.6E-01	6.7E-01	9.3E-11	3.2E+00	7.7E-07	1.0E-03	2.6E-09	1.6E-01	6.7E-01	2.7E-10
592	3.2E+00	2.4E-07	1.0E-03	8.1E-10	1.6E-01	6.7E-01	8.5E-11	3.0E+00	7.7E-07	1.0E-03	2.4E-09	1.6E-01	6.7E-01	2.5E-10
593	2.9E+00	2.4E-07	1.0E-03	7.5E-10	1.6E-01	6.7E-01	7.9E-11	2.8E+00	7.7E-07	1.0E-03	2.3E-09	1.6E-01	6.7E-01	2.4E-10
594	2.7E+00	2.4E-07	1.0E-03	6.8E-10	1.6E-01	6.7E-01	7.2E-11	2.6E+00	7.7E-07	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.2E-10
595	2.4E+00	2.4E-07	1.0E-03	6.2E-10	1.6E-01	6.7E-01	6.6E-11	2.4E+00	7.7E-07	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10
596	6.0E+00	2.4E-07	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.6E-10	3.0E+00	7.7E-07	1.0E-03	2.4E-09	1.6E-01	6.7E-01	2.6E-10
597	6.6E+00	2.4E-07	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10	3.3E+00	7.7E-07	1.0E-03	2.6E-09	1.6E-01	6.7E-01	2.8E-10
598	7.1E+00	2.4E-07	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10	3.5E+00	7.7E-07	1.0E-03	2.8E-09	1.6E-01	6.7E-01	3.0E-10
599	7.6E+00	2.4E-07	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.0E-10	3.7E+00	7.7E-07	1.0E-03	3.0E-09	1.6E-01	6.7E-01	3.1E-10
600	8.0E+00	2.4E-07	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.2E-10	3.9E+00	7.7E-07	1.0E-03	3.1E-09	1.6E-01	6.7E-01	3.3E-10
601	3.5E+00	2.4E-07	1.0E-03	9.1E-10	1.6E-01	6.7E-01	9.5E-11	3.2E+00	7.7E-07	1.0E-03	2.6E-09	1.6E-01	6.7E-01	2.7E-10
602	3.3E+00	2.4E-07	1.0E-03	8.4E-10	1.6E-01	6.7E-01	8.8E-11	3.0E+00	7.7E-07	1.0E-03	2.4E-09	1.6E-01	6.7E-01	2.6E-10

Franklin School Project

Risk From Modernization Const - Unmitigated Residential

	Haul Route 1A							Haul Route 2A						
Receptor #	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
603	3.0E+00	2.4E-07	1.0E-03	7.7E-10	1.6E-01	6.7E-01	8.1E-11	2.8E+00	7.7E-07	1.0E-03	2.3E-09	1.6E-01	6.7E-01	2.4E-10
604	2.8E+00	2.4E-07	1.0E-03	7.2E-10	1.6E-01	6.7E-01	7.5E-11	2.7E+00	7.7E-07	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.3E-10
605	2.6E+00	2.4E-07	1.0E-03	6.6E-10	1.6E-01	6.7E-01	6.9E-11	2.5E+00	7.7E-07	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10
606	2.4E+00	2.4E-07	1.0E-03	6.1E-10	1.6E-01	6.7E-01	6.4E-11	2.3E+00	7.7E-07	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10
607	5.2E+00	2.4E-07	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.4E-10	2.7E+00	7.7E-07	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.3E-10
608	5.7E+00	2.4E-07	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.5E-10	2.9E+00	7.7E-07	1.0E-03	2.4E-09	1.6E-01	6.7E-01	2.5E-10
609	6.1E+00	2.4E-07	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.6E-10	3.1E+00	7.7E-07	1.0E-03	2.5E-09	1.6E-01	6.7E-01	2.7E-10
610	6.5E+00	2.4E-07	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.7E-10	3.3E+00	7.7E-07	1.0E-03	2.7E-09	1.6E-01	6.7E-01	2.8E-10
611	6.8E+00	2.4E-07	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10	3.5E+00	7.7E-07	1.0E-03	2.8E-09	1.6E-01	6.7E-01	3.0E-10
612	3.3E+00	2.4E-07	1.0E-03	8.5E-10	1.6E-01	6.7E-01	9.0E-11	3.0E+00	7.7E-07	1.0E-03	2.4E-09	1.6E-01	6.7E-01	2.5E-10
613	3.1E+00	2.4E-07	1.0E-03	7.9E-10	1.6E-01	6.7E-01	8.3E-11	2.8E+00	7.7E-07	1.0E-03	2.3E-09	1.6E-01	6.7E-01	2.4E-10
614	2.9E+00	2.4E-07	1.0E-03	7.4E-10	1.6E-01	6.7E-01	7.7E-11	2.7E+00	7.7E-07	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.3E-10
615	2.7E+00	2.4E-07	1.0E-03	6.8E-10	1.6E-01	6.7E-01	7.2E-11	2.5E+00	7.7E-07	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10
616	2.5E+00	2.4E-07	1.0E-03	6.3E-10	1.6E-01	6.7E-01	6.6E-11	2.4E+00	7.7E-07	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10
617	2.3E+00	2.4E-07	1.0E-03	5.8E-10	1.6E-01	6.7E-01	6.1E-11	2.2E+00	7.7E-07	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10
618	4.6E+00	2.4E-07	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.2E-10	2.5E+00	7.7E-07	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10
619	4.9E+00	2.4E-07	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.3E-10	2.7E+00	7.7E-07	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.3E-10
620	5.3E+00	2.4E-07	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.4E-10	2.8E+00	7.7E-07	1.0E-03	2.3E-09	1.6E-01	6.7E-01	2.4E-10
621	5.6E+00	2.4E-07	1.0E-03	1.4E-09	1.6E-01	6.7E-01	1.5E-10	3.0E+00	7.7E-07	1.0E-03	2.4E-09	1.6E-01	6.7E-01	2.5E-10
622	5.8E+00	2.4E-07	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.6E-10	3.1E+00	7.7E-07	1.0E-03	2.5E-09	1.6E-01	6.7E-01	2.7E-10
623	3.1E+00	2.4E-07	1.0E-03	8.0E-10	1.6E-01	6.7E-01	8.4E-11	2.8E+00	7.7E-07	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.4E-10
624	2.9E+00	2.4E-07	1.0E-03	7.5E-10	1.6E-01	6.7E-01	7.9E-11	2.6E+00	7.7E-07	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.2E-10
625	2.7E+00	2.4E-07	1.0E-03	7.0E-10	1.6E-01	6.7E-01	7.3E-11	2.5E+00	7.7E-07	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10
626	2.5E+00	2.4E-07	1.0E-03	6.5E-10	1.6E-01	6.7E-01	6.8E-11	2.4E+00	7.7E-07	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10
627	2.4E+00	2.4E-07	1.0E-03	6.1E-10	1.6E-01	6.7E-01	6.4E-11	2.2E+00	7.7E-07	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10
628	2.2E+00	2.4E-07	1.0E-03	5.6E-10	1.6E-01	6.7E-01	5.9E-11	2.1E+00	7.7E-07	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10
629	4.1E+00	2.4E-07	1.0E-03	1.0E-09	1.6E-01	6.7E-01	1.1E-10	2.3E+00	7.7E-07	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10
630	4.3E+00	2.4E-07	1.0E-03	1.1E-09	1.6E-01	6.7E-01	1.2E-10	2.4E+00	7.7E-07	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10
631	4.6E+00	2.4E-07	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.2E-10	2.6E+00	7.7E-07	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.2E-10
632	4.8E+00	2.4E-07	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.3E-10	2.7E+00	7.7E-07	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.3E-10
633	5.0E+00	2.4E-07	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.4E-10	2.8E+00	7.7E-07	1.0E-03	2.3E-09	1.6E-01	6.7E-01	2.4E-10
634	3.0E+00	2.4E-07	1.0E-03	7.6E-10	1.6E-01	6.7E-01	8.0E-11	2.6E+00	7.7E-07	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.2E-10
635	2.8E+00	2.4E-07	1.0E-03	7.1E-10	1.6E-01	6.7E-01	7.4E-11	2.5E+00	7.7E-07	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10
636	2.6E+00	2.4E-07	1.0E-03	6.6E-10	1.6E-01	6.7E-01	7.0E-11	2.4E+00	7.7E-07	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10
637	2.4E+00	2.4E-07	1.0E-03	6.2E-10	1.6E-01	6.7E-01	6.5E-11	2.2E+00	7.7E-07	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10
638	2.3E+00	2.4E-07	1.0E-03	5.8E-10	1.6E-01	6.7E-01	6.1E-11	2.1E+00	7.7E-07	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10
639	2.1E+00	2.4E-07	1.0E-03	5.4E-10	1.6E-01	6.7E-01	5.7E-11	2.0E+00	7.7E-07	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10
640	3.6E+00	2.4E-07	1.0E-03	9.2E-10	1.6E-01	6.7E-01	9.7E-11	2.1E+00	7.7E-07	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10
641	3.8E+00	2.4E-07	1.0E-03	9.8E-10	1.6E-01	6.7E-01	1.0E-10	2.2E+00	7.7E-07	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10
642	4.1E+00	2.4E-07	1.0E-03	1.0E-09	1.6E-01	6.7E-01	1.1E-10	2.4E+00	7.7E-07	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10
643	4.3E+00	2.4E-07	1.0E-03	1.1E-09	1.6E-01	6.7E-01	1.1E-10	2.5E+00	7.7E-07	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10
644	4.4E+00	2.4E-07	1.0E-03	1.1E-09	1.6E-01	6.7E-01	1.2E-10	2.6E+00	7.7E-07	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.2E-10
645	2.8E+00	2.4E-07	1.0E-03	7.1E-10	1.6E-01	6.7E-01	7.5E-11	2.4E+00	7.7E-07	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10

Franklin School Project

Risk From Modernization Const - Unmitigated Residential

	Haul Route 1A							Haul Route 2A						
Receptor #	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
646	2.6E+00	2.4E-07	1.0E-03	6.7E-10	1.6E-01	6.7E-01	7.0E-11	2.3E+00	7.7E-07	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10
647	2.5E+00	2.4E-07	1.0E-03	6.3E-10	1.6E-01	6.7E-01	6.6E-11	2.2E+00	7.7E-07	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10
648	2.3E+00	2.4E-07	1.0E-03	5.9E-10	1.6E-01	6.7E-01	6.2E-11	2.1E+00	7.7E-07	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10
649	2.2E+00	2.4E-07	1.0E-03	5.5E-10	1.6E-01	6.7E-01	5.8E-11	2.0E+00	7.7E-07	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10
650	2.0E+00	2.4E-07	1.0E-03	5.2E-10	1.6E-01	6.7E-01	5.5E-11	1.9E+00	7.7E-07	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.6E-10
651	3.2E+00	2.4E-07	1.0E-03	8.3E-10	1.6E-01	6.7E-01	8.7E-11	2.0E+00	7.7E-07	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10
652	3.4E+00	2.4E-07	1.0E-03	8.8E-10	1.6E-01	6.7E-01	9.2E-11	2.1E+00	7.7E-07	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10
653	3.6E+00	2.4E-07	1.0E-03	9.2E-10	1.6E-01	6.7E-01	9.7E-11	2.2E+00	7.7E-07	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.8E-10
654	3.8E+00	2.4E-07	1.0E-03	9.7E-10	1.6E-01	6.7E-01	1.0E-10	2.3E+00	7.7E-07	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10
655	3.9E+00	2.4E-07	1.0E-03	1.0E-09	1.6E-01	6.7E-01	1.1E-10	2.4E+00	7.7E-07	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10
656	4.0E+00	2.4E-07	1.0E-03	1.0E-09	1.6E-01	6.7E-01	1.1E-10	2.4E+00	7.7E-07	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10
657	4.1E+00	2.4E-07	1.0E-03	1.0E-09	1.6E-01	6.7E-01	1.1E-10	2.5E+00	7.7E-07	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10
658	4.1E+00	2.4E-07	1.0E-03	1.1E-09	1.6E-01	6.7E-01	1.1E-10	2.6E+00	7.7E-07	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.2E-10
659	4.1E+00	2.4E-07	1.0E-03	1.1E-09	1.6E-01	6.7E-01	1.1E-10	2.6E+00	7.7E-07	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.2E-10
660	4.1E+00	2.4E-07	1.0E-03	1.1E-09	1.6E-01	6.7E-01	1.1E-10	2.7E+00	7.7E-07	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.3E-10
661	4.0E+00	2.4E-07	1.0E-03	1.0E-09	1.6E-01	6.7E-01	1.1E-10	2.7E+00	7.7E-07	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.3E-10
662	3.9E+00	2.4E-07	1.0E-03	1.0E-09	1.6E-01	6.7E-01	1.1E-10	2.7E+00	7.7E-07	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.3E-10
663	3.8E+00	2.4E-07	1.0E-03	9.8E-10	1.6E-01	6.7E-01	1.0E-10	2.7E+00	7.7E-07	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.3E-10
664	3.7E+00	2.4E-07	1.0E-03	9.5E-10	1.6E-01	6.7E-01	1.0E-10	2.7E+00	7.7E-07	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.3E-10
665	3.6E+00	2.4E-07	1.0E-03	9.1E-10	1.6E-01	6.7E-01	9.6E-11	2.7E+00	7.7E-07	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.3E-10
666	3.4E+00	2.4E-07	1.0E-03	8.7E-10	1.6E-01	6.7E-01	9.2E-11	2.6E+00	7.7E-07	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.2E-10
667	3.3E+00	2.4E-07	1.0E-03	8.3E-10	1.6E-01	6.7E-01	8.7E-11	2.6E+00	7.7E-07	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.2E-10
668	3.1E+00	2.4E-07	1.0E-03	7.9E-10	1.6E-01	6.7E-01	8.3E-11	2.5E+00	7.7E-07	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10
669	2.9E+00	2.4E-07	1.0E-03	7.5E-10	1.6E-01	6.7E-01	7.9E-11	2.4E+00	7.7E-07	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10
670	2.8E+00	2.4E-07	1.0E-03	7.1E-10	1.6E-01	6.7E-01	7.5E-11	2.3E+00	7.7E-07	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10
671	2.6E+00	2.4E-07	1.0E-03	6.7E-10	1.6E-01	6.7E-01	7.0E-11	2.3E+00	7.7E-07	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10
672	2.5E+00	2.4E-07	1.0E-03	6.3E-10	1.6E-01	6.7E-01	6.7E-11	2.2E+00	7.7E-07	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10
673	2.3E+00	2.4E-07	1.0E-03	6.0E-10	1.6E-01	6.7E-01	6.3E-11	2.1E+00	7.7E-07	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10
674	2.2E+00	2.4E-07	1.0E-03	5.6E-10	1.6E-01	6.7E-01	5.9E-11	2.0E+00	7.7E-07	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10
675	2.1E+00	2.4E-07	1.0E-03	5.3E-10	1.6E-01	6.7E-01	5.6E-11	1.9E+00	7.7E-07	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.6E-10
676	1.9E+00	2.4E-07	1.0E-03	5.0E-10	1.6E-01	6.7E-01	5.2E-11	1.8E+00	7.7E-07	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.6E-10
677	2.9E+00	2.4E-07	1.0E-03	7.5E-10	1.6E-01	6.7E-01	7.9E-11	1.8E+00	7.7E-07	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.5E-10
678	3.1E+00	2.4E-07	1.0E-03	7.9E-10	1.6E-01	6.7E-01	8.3E-11	1.9E+00	7.7E-07	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.6E-10
679	3.2E+00	2.4E-07	1.0E-03	8.3E-10	1.6E-01	6.7E-01	8.7E-11	2.0E+00	7.7E-07	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10
680	3.4E+00	2.4E-07	1.0E-03	8.6E-10	1.6E-01	6.7E-01	9.1E-11	2.1E+00	7.7E-07	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10
681	3.5E+00	2.4E-07	1.0E-03	8.9E-10	1.6E-01	6.7E-01	9.4E-11	2.2E+00	7.7E-07	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10
682	3.6E+00	2.4E-07	1.0E-03	9.2E-10	1.6E-01	6.7E-01	9.6E-11	2.2E+00	7.7E-07	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10
683	3.7E+00	2.4E-07	1.0E-03	9.4E-10	1.6E-01	6.7E-01	9.8E-11	2.3E+00	7.7E-07	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10
684	3.7E+00	2.4E-07	1.0E-03	9.5E-10	1.6E-01	6.7E-01	9.9E-11	2.4E+00	7.7E-07	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10
685	3.7E+00	2.4E-07	1.0E-03	9.5E-10	1.6E-01	6.7E-01	1.0E-10	2.4E+00	7.7E-07	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10
686	3.7E+00	2.4E-07	1.0E-03	9.4E-10	1.6E-01	6.7E-01	9.9E-11	2.4E+00	7.7E-07	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10
687	3.6E+00	2.4E-07	1.0E-03	9.3E-10	1.6E-01	6.7E-01	9.8E-11	2.5E+00	7.7E-07	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10
688	3.6E+00	2.4E-07	1.0E-03	9.2E-10	1.6E-01	6.7E-01	9.6E-11	2.5E+00	7.7E-07	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10

Franklin School Project

Risk From Modernization Const - Unmitigated Residential

	Haul Route 1A							Haul Route 2A						
Receptor #	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
689	3.5E+00	2.4E-07	1.0E-03	8.9E-10	1.6E-01	6.7E-01	9.4E-11	2.5E+00	7.7E-07	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10
690	3.4E+00	2.4E-07	1.0E-03	8.7E-10	1.6E-01	6.7E-01	9.1E-11	2.5E+00	7.7E-07	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10
691	3.3E+00	2.4E-07	1.0E-03	8.4E-10	1.6E-01	6.7E-01	8.8E-11	2.4E+00	7.7E-07	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10
692	3.1E+00	2.4E-07	1.0E-03	8.1E-10	1.6E-01	6.7E-01	8.5E-11	2.4E+00	7.7E-07	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.0E-10
693	3.0E+00	2.4E-07	1.0E-03	7.7E-10	1.6E-01	6.7E-01	8.1E-11	2.4E+00	7.7E-07	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10
694	2.9E+00	2.4E-07	1.0E-03	7.4E-10	1.6E-01	6.7E-01	7.7E-11	2.3E+00	7.7E-07	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10
695	2.7E+00	2.4E-07	1.0E-03	7.0E-10	1.6E-01	6.7E-01	7.4E-11	2.3E+00	7.7E-07	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10
696	2.6E+00	2.4E-07	1.0E-03	6.7E-10	1.6E-01	6.7E-01	7.0E-11	2.2E+00	7.7E-07	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10
697	2.5E+00	2.4E-07	1.0E-03	6.3E-10	1.6E-01	6.7E-01	6.6E-11	2.1E+00	7.7E-07	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10
698	2.3E+00	2.4E-07	1.0E-03	6.0E-10	1.6E-01	6.7E-01	6.3E-11	2.0E+00	7.7E-07	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.7E-10
699	2.2E+00	2.4E-07	1.0E-03	5.7E-10	1.6E-01	6.7E-01	5.9E-11	2.0E+00	7.7E-07	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10
700	2.1E+00	2.4E-07	1.0E-03	5.4E-10	1.6E-01	6.7E-01	5.6E-11	1.9E+00	7.7E-07	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.6E-10
701	2.0E+00	2.4E-07	1.0E-03	5.1E-10	1.6E-01	6.7E-01	5.3E-11	1.8E+00	7.7E-07	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.5E-10
702	1.9E+00	2.4E-07	1.0E-03	4.8E-10	1.6E-01	6.7E-01	5.0E-11	1.7E+00	7.7E-07	1.0E-03	1.4E-09	1.6E-01	6.7E-01	1.5E-10
703	2.7E+00	2.4E-07	1.0E-03	6.8E-10	1.6E-01	6.7E-01	7.1E-11	1.7E+00	7.7E-07	1.0E-03	1.4E-09	1.6E-01	6.7E-01	1.4E-10
704	2.8E+00	2.4E-07	1.0E-03	7.1E-10	1.6E-01	6.7E-01	7.5E-11	1.8E+00	7.7E-07	1.0E-03	1.4E-09	1.6E-01	6.7E-01	1.5E-10
705	2.9E+00	2.4E-07	1.0E-03	7.5E-10	1.6E-01	6.7E-01	7.9E-11	1.8E+00	7.7E-07	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.6E-10
706	3.0E+00	2.4E-07	1.0E-03	7.8E-10	1.6E-01	6.7E-01	8.2E-11	1.9E+00	7.7E-07	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.6E-10
707	3.1E+00	2.4E-07	1.0E-03	8.0E-10	1.6E-01	6.7E-01	8.4E-11	2.0E+00	7.7E-07	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10
708	3.2E+00	2.4E-07	1.0E-03	8.2E-10	1.6E-01	6.7E-01	8.7E-11	2.1E+00	7.7E-07	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.7E-10
709	3.3E+00	2.4E-07	1.0E-03	8.4E-10	1.6E-01	6.7E-01	8.8E-11	2.1E+00	7.7E-07	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10
710	3.3E+00	2.4E-07	1.0E-03	8.5E-10	1.6E-01	6.7E-01	8.9E-11	2.2E+00	7.7E-07	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.8E-10
711	3.3E+00	2.4E-07	1.0E-03	8.5E-10	1.6E-01	6.7E-01	9.0E-11	2.2E+00	7.7E-07	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10
712	3.3E+00	2.4E-07	1.0E-03	8.5E-10	1.6E-01	6.7E-01	9.0E-11	2.2E+00	7.7E-07	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10
713	3.3E+00	2.4E-07	1.0E-03	8.5E-10	1.6E-01	6.7E-01	8.9E-11	2.3E+00	7.7E-07	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10
714	3.3E+00	2.4E-07	1.0E-03	8.3E-10	1.6E-01	6.7E-01	8.7E-11	2.3E+00	7.7E-07	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10
715	3.2E+00	2.4E-07	1.0E-03	8.1E-10	1.6E-01	6.7E-01	8.6E-11	2.3E+00	7.7E-07	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10
716	3.1E+00	2.4E-07	1.0E-03	7.9E-10	1.6E-01	6.7E-01	8.3E-11	2.3E+00	7.7E-07	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10
717	3.0E+00	2.4E-07	1.0E-03	7.7E-10	1.6E-01	6.7E-01	8.1E-11	2.3E+00	7.7E-07	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10
718	2.9E+00	2.4E-07	1.0E-03	7.4E-10	1.6E-01	6.7E-01	7.8E-11	2.2E+00	7.7E-07	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10
719	2.8E+00	2.4E-07	1.0E-03	7.2E-10	1.6E-01	6.7E-01	7.5E-11	2.2E+00	7.7E-07	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10
720	2.7E+00	2.4E-07	1.0E-03	6.9E-10	1.6E-01	6.7E-01	7.2E-11	2.2E+00	7.7E-07	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10
721	2.6E+00	2.4E-07	1.0E-03	6.6E-10	1.6E-01	6.7E-01	6.9E-11	2.1E+00	7.7E-07	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10
722	2.4E+00	2.4E-07	1.0E-03	6.2E-10	1.6E-01	6.7E-01	6.6E-11	2.0E+00	7.7E-07	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.7E-10
723	2.3E+00	2.4E-07	1.0E-03	5.9E-10	1.6E-01	6.7E-01	6.2E-11	2.0E+00	7.7E-07	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10
724	2.2E+00	2.4E-07	1.0E-03	5.7E-10	1.6E-01	6.7E-01	5.9E-11	1.9E+00	7.7E-07	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.6E-10
725	2.1E+00	2.4E-07	1.0E-03	5.4E-10	1.6E-01	6.7E-01	5.6E-11	1.9E+00	7.7E-07	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.6E-10
726	2.0E+00	2.4E-07	1.0E-03	5.1E-10	1.6E-01	6.7E-01	5.4E-11	1.8E+00	7.7E-07	1.0E-03	1.4E-09	1.6E-01	6.7E-01	1.5E-10
727	1.9E+00	2.4E-07	1.0E-03	4.8E-10	1.6E-01	6.7E-01	5.1E-11	1.7E+00	7.7E-07	1.0E-03	1.4E-09	1.6E-01	6.7E-01	1.5E-10
728	1.8E+00	2.4E-07	1.0E-03	4.6E-10	1.6E-01	6.7E-01	4.8E-11	1.7E+00	7.7E-07	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.4E-10
729	2.4E+00	2.4E-07	1.0E-03	6.2E-10	1.6E-01	6.7E-01	6.5E-11	1.6E+00	7.7E-07	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.3E-10
730	2.5E+00	2.4E-07	1.0E-03	6.5E-10	1.6E-01	6.7E-01	6.8E-11	1.6E+00	7.7E-07	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.4E-10
731	2.6E+00	2.4E-07	1.0E-03	6.8E-10	1.6E-01	6.7E-01	7.1E-11	1.7E+00	7.7E-07	1.0E-03	1.4E-09	1.6E-01	6.7E-01	1.5E-10

Franklin School Project

Risk From Modernization Const - Unmitigated Residential

	Haul Route 1A							Haul Route 2A						
Receptor #	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
732	2.7E+00	2.4E-07	1.0E-03	7.0E-10	1.6E-01	6.7E-01	7.4E-11	1.8E+00	7.7E-07	1.0E-03	1.4E-09	1.6E-01	6.7E-01	1.5E-10
733	2.8E+00	2.4E-07	1.0E-03	7.3E-10	1.6E-01	6.7E-01	7.6E-11	1.8E+00	7.7E-07	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.6E-10
734	2.9E+00	2.4E-07	1.0E-03	7.5E-10	1.6E-01	6.7E-01	7.8E-11	1.9E+00	7.7E-07	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.6E-10
735	3.0E+00	2.4E-07	1.0E-03	7.6E-10	1.6E-01	6.7E-01	8.0E-11	2.0E+00	7.7E-07	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10
736	3.0E+00	2.4E-07	1.0E-03	7.7E-10	1.6E-01	6.7E-01	8.1E-11	2.0E+00	7.7E-07	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10
737	3.0E+00	2.4E-07	1.0E-03	7.7E-10	1.6E-01	6.7E-01	8.1E-11	2.0E+00	7.7E-07	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10
738	3.0E+00	2.4E-07	1.0E-03	7.7E-10	1.6E-01	6.7E-01	8.1E-11	2.1E+00	7.7E-07	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10
739	3.0E+00	2.4E-07	1.0E-03	7.7E-10	1.6E-01	6.7E-01	8.1E-11	2.1E+00	7.7E-07	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10
740	3.0E+00	2.4E-07	1.0E-03	7.6E-10	1.6E-01	6.7E-01	8.0E-11	2.1E+00	7.7E-07	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10
741	2.9E+00	2.4E-07	1.0E-03	7.5E-10	1.6E-01	6.7E-01	7.8E-11	2.1E+00	7.7E-07	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10
742	2.9E+00	2.4E-07	1.0E-03	7.3E-10	1.6E-01	6.7E-01	7.7E-11	2.1E+00	7.7E-07	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10
743	2.8E+00	2.4E-07	1.0E-03	7.1E-10	1.6E-01	6.7E-01	7.5E-11	2.1E+00	7.7E-07	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10
744	2.7E+00	2.4E-07	1.0E-03	6.9E-10	1.6E-01	6.7E-01	7.2E-11	2.1E+00	7.7E-07	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10
745	2.6E+00	2.4E-07	1.0E-03	6.7E-10	1.6E-01	6.7E-01	7.0E-11	2.0E+00	7.7E-07	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.7E-10
746	2.5E+00	2.4E-07	1.0E-03	6.4E-10	1.6E-01	6.7E-01	6.7E-11	2.0E+00	7.7E-07	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10
747	2.4E+00	2.4E-07	1.0E-03	6.1E-10	1.6E-01	6.7E-01	6.5E-11	2.0E+00	7.7E-07	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10
748	2.3E+00	2.4E-07	1.0E-03	5.9E-10	1.6E-01	6.7E-01	6.2E-11	1.9E+00	7.7E-07	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.6E-10
749	2.2E+00	2.4E-07	1.0E-03	5.6E-10	1.6E-01	6.7E-01	5.9E-11	1.9E+00	7.7E-07	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.6E-10
750	2.1E+00	2.4E-07	1.0E-03	5.3E-10	1.6E-01	6.7E-01	5.6E-11	1.8E+00	7.7E-07	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.5E-10
751	2.0E+00	2.4E-07	1.0E-03	5.1E-10	1.6E-01	6.7E-01	5.3E-11	1.8E+00	7.7E-07	1.0E-03	1.4E-09	1.6E-01	6.7E-01	1.5E-10
752	1.9E+00	2.4E-07	1.0E-03	4.8E-10	1.6E-01	6.7E-01	5.1E-11	1.7E+00	7.7E-07	1.0E-03	1.4E-09	1.6E-01	6.7E-01	1.4E-10
753	1.8E+00	2.4E-07	1.0E-03	4.6E-10	1.6E-01	6.7E-01	4.8E-11	1.6E+00	7.7E-07	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.4E-10
754	1.7E+00	2.4E-07	1.0E-03	4.4E-10	1.6E-01	6.7E-01	4.6E-11	1.6E+00	7.7E-07	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.3E-10
755	2.2E+00	2.4E-07	1.0E-03	5.7E-10	1.6E-01	6.7E-01	6.0E-11	1.5E+00	7.7E-07	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.2E-10
756	2.3E+00	2.4E-07	1.0E-03	5.9E-10	1.6E-01	6.7E-01	6.2E-11	1.5E+00	7.7E-07	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.3E-10
757	2.4E+00	2.4E-07	1.0E-03	6.2E-10	1.6E-01	6.7E-01	6.5E-11	1.6E+00	7.7E-07	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.3E-10
758	2.5E+00	2.4E-07	1.0E-03	6.4E-10	1.6E-01	6.7E-01	6.7E-11	1.6E+00	7.7E-07	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.4E-10
759	2.6E+00	2.4E-07	1.0E-03	6.6E-10	1.6E-01	6.7E-01	6.9E-11	1.7E+00	7.7E-07	1.0E-03	1.4E-09	1.6E-01	6.7E-01	1.4E-10
760	2.6E+00	2.4E-07	1.0E-03	6.8E-10	1.6E-01	6.7E-01	7.1E-11	1.8E+00	7.7E-07	1.0E-03	1.4E-09	1.6E-01	6.7E-01	1.5E-10
761	2.7E+00	2.4E-07	1.0E-03	6.9E-10	1.6E-01	6.7E-01	7.2E-11	1.8E+00	7.7E-07	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.5E-10
762	2.7E+00	2.4E-07	1.0E-03	7.0E-10	1.6E-01	6.7E-01	7.3E-11	1.8E+00	7.7E-07	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.6E-10
763	2.8E+00	2.4E-07	1.0E-03	7.0E-10	1.6E-01	6.7E-01	7.4E-11	1.9E+00	7.7E-07	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.6E-10
764	2.8E+00	2.4E-07	1.0E-03	7.1E-10	1.6E-01	6.7E-01	7.4E-11	1.9E+00	7.7E-07	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.6E-10
765	2.7E+00	2.4E-07	1.0E-03	7.0E-10	1.6E-01	6.7E-01	7.4E-11	1.9E+00	7.7E-07	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.6E-10
766	2.7E+00	2.4E-07	1.0E-03	7.0E-10	1.6E-01	6.7E-01	7.3E-11	1.9E+00	7.7E-07	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10
767	2.7E+00	2.4E-07	1.0E-03	6.8E-10	1.6E-01	6.7E-01	7.2E-11	2.0E+00	7.7E-07	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10
768	2.6E+00	2.4E-07	1.0E-03	6.7E-10	1.6E-01	6.7E-01	7.1E-11	2.0E+00	7.7E-07	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10
769	2.6E+00	2.4E-07	1.0E-03	6.6E-10	1.6E-01	6.7E-01	6.9E-11	1.9E+00	7.7E-07	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10
770	2.5E+00	2.4E-07	1.0E-03	6.4E-10	1.6E-01	6.7E-01	6.7E-11	1.9E+00	7.7E-07	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.6E-10
771	2.4E+00	2.4E-07	1.0E-03	6.2E-10	1.6E-01	6.7E-01	6.5E-11	1.9E+00	7.7E-07	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.6E-10
772	2.3E+00	2.4E-07	1.0E-03	6.0E-10	1.6E-01	6.7E-01	6.3E-11	1.9E+00	7.7E-07	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.6E-10
773	2.2E+00	2.4E-07	1.0E-03	5.8E-10	1.6E-01	6.7E-01	6.0E-11	1.8E+00	7.7E-07	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.6E-10
774	2.2E+00	2.4E-07	1.0E-03	5.5E-10	1.6E-01	6.7E-01	5.8E-11	1.8E+00	7.7E-07	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.5E-10

Franklin School Project

Risk From Modernization Const - Unmitigated Residential

	Haul Route 1A							Haul Route 2A						
Receptor #	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
775	2.1E+00	2.4E-07	1.0E-03	5.3E-10	1.6E-01	6.7E-01	5.5E-11	1.8E+00	7.7E-07	1.0E-03	1.4E-09	1.6E-01	6.7E-01	1.5E-10
776	2.0E+00	2.4E-07	1.0E-03	5.1E-10	1.6E-01	6.7E-01	5.3E-11	1.7E+00	7.7E-07	1.0E-03	1.4E-09	1.6E-01	6.7E-01	1.4E-10
777	1.9E+00	2.4E-07	1.0E-03	4.8E-10	1.6E-01	6.7E-01	5.1E-11	1.7E+00	7.7E-07	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.4E-10
778	1.8E+00	2.4E-07	1.0E-03	4.6E-10	1.6E-01	6.7E-01	4.8E-11	1.6E+00	7.7E-07	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.4E-10
779	1.7E+00	2.4E-07	1.0E-03	4.4E-10	1.6E-01	6.7E-01	4.6E-11	1.6E+00	7.7E-07	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.3E-10
780	1.6E+00	2.4E-07	1.0E-03	4.2E-10	1.6E-01	6.7E-01	4.4E-11	1.5E+00	7.7E-07	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.3E-10
781	2.0E+00	2.4E-07	1.0E-03	5.2E-10	1.6E-01	6.7E-01	5.5E-11	1.4E+00	7.7E-07	1.0E-03	1.1E-09	1.6E-01	6.7E-01	1.2E-10
782	2.1E+00	2.4E-07	1.0E-03	5.4E-10	1.6E-01	6.7E-01	5.7E-11	1.4E+00	7.7E-07	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.2E-10
783	2.2E+00	2.4E-07	1.0E-03	5.7E-10	1.6E-01	6.7E-01	5.9E-11	1.5E+00	7.7E-07	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.3E-10
784	2.3E+00	2.4E-07	1.0E-03	5.9E-10	1.6E-01	6.7E-01	6.1E-11	1.5E+00	7.7E-07	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.3E-10
785	2.4E+00	2.4E-07	1.0E-03	6.0E-10	1.6E-01	6.7E-01	6.3E-11	1.6E+00	7.7E-07	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.3E-10
786	2.4E+00	2.4E-07	1.0E-03	6.2E-10	1.6E-01	6.7E-01	6.5E-11	1.6E+00	7.7E-07	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.4E-10
787	2.5E+00	2.4E-07	1.0E-03	6.3E-10	1.6E-01	6.7E-01	6.6E-11	1.7E+00	7.7E-07	1.0E-03	1.4E-09	1.6E-01	6.7E-01	1.4E-10
788	2.5E+00	2.4E-07	1.0E-03	6.4E-10	1.6E-01	6.7E-01	6.7E-11	1.7E+00	7.7E-07	1.0E-03	1.4E-09	1.6E-01	6.7E-01	1.5E-10
789	2.5E+00	2.4E-07	1.0E-03	6.4E-10	1.6E-01	6.7E-01	6.8E-11	1.7E+00	7.7E-07	1.0E-03	1.4E-09	1.6E-01	6.7E-01	1.5E-10
790	2.5E+00	2.4E-07	1.0E-03	6.5E-10	1.6E-01	6.7E-01	6.8E-11	1.8E+00	7.7E-07	1.0E-03	1.4E-09	1.6E-01	6.7E-01	1.5E-10
791	2.5E+00	2.4E-07	1.0E-03	6.4E-10	1.6E-01	6.7E-01	6.8E-11	1.8E+00	7.7E-07	1.0E-03	1.4E-09	1.6E-01	6.7E-01	1.5E-10
792	2.5E+00	2.4E-07	1.0E-03	6.4E-10	1.6E-01	6.7E-01	6.7E-11	1.8E+00	7.7E-07	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.5E-10
793	2.5E+00	2.4E-07	1.0E-03	6.3E-10	1.6E-01	6.7E-01	6.6E-11	1.8E+00	7.7E-07	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.5E-10
794	2.4E+00	2.4E-07	1.0E-03	6.2E-10	1.6E-01	6.7E-01	6.5E-11	1.8E+00	7.7E-07	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.5E-10
795	2.4E+00	2.4E-07	1.0E-03	6.1E-10	1.6E-01	6.7E-01	6.4E-11	1.8E+00	7.7E-07	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.5E-10
796	2.3E+00	2.4E-07	1.0E-03	5.9E-10	1.6E-01	6.7E-01	6.2E-11	1.8E+00	7.7E-07	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.5E-10
797	2.3E+00	2.4E-07	1.0E-03	5.8E-10	1.6E-01	6.7E-01	6.1E-11	1.8E+00	7.7E-07	1.0E-03	1.4E-09	1.6E-01	6.7E-01	1.5E-10
798	2.2E+00	2.4E-07	1.0E-03	5.6E-10	1.6E-01	6.7E-01	5.9E-11	1.8E+00	7.7E-07	1.0E-03	1.4E-09	1.6E-01	6.7E-01	1.5E-10
799	2.1E+00	2.4E-07	1.0E-03	5.4E-10	1.6E-01	6.7E-01	5.7E-11	1.7E+00	7.7E-07	1.0E-03	1.4E-09	1.6E-01	6.7E-01	1.5E-10
800	2.0E+00	2.4E-07	1.0E-03	5.2E-10	1.6E-01	6.7E-01	5.4E-11	1.7E+00	7.7E-07	1.0E-03	1.4E-09	1.6E-01	6.7E-01	1.4E-10
801	1.9E+00	2.4E-07	1.0E-03	5.0E-10	1.6E-01	6.7E-01	5.2E-11	1.6E+00	7.7E-07	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.4E-10
802	1.9E+00	2.4E-07	1.0E-03	4.8E-10	1.6E-01	6.7E-01	5.0E-11	1.6E+00	7.7E-07	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.4E-10
803	1.8E+00	2.4E-07	1.0E-03	4.6E-10	1.6E-01	6.7E-01	4.8E-11	1.6E+00	7.7E-07	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.3E-10
804	1.7E+00	2.4E-07	1.0E-03	4.4E-10	1.6E-01	6.7E-01	4.6E-11	1.5E+00	7.7E-07	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.3E-10
805	1.6E+00	2.4E-07	1.0E-03	4.2E-10	1.6E-01	6.7E-01	4.4E-11	1.5E+00	7.7E-07	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.2E-10
806	1.6E+00	2.4E-07	1.0E-03	4.0E-10	1.6E-01	6.7E-01	4.2E-11	1.4E+00	7.7E-07	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.2E-10

Franklin School Project

Risk From Modernization Const - Unmitigated Residential

	Haul Route 1A							Haul Route 2A						
Receptor #	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
1	5.1E-01	1.6E-06	1.0E-03	8.4E-10	1.6E-01	6.7E-01	8.9E-11	3.9E+00	1.7E-07	1.0E-03	6.9E-10	1.6E-01	6.7E-01	7.3E-11
2	6.4E-01	1.6E-06	1.0E-03	1.1E-09	1.6E-01	6.7E-01	1.1E-10	4.4E+00	1.7E-07	1.0E-03	7.8E-10	1.6E-01	6.7E-01	8.2E-11
3	8.1E-01	1.6E-06	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.4E-10	4.7E+00	1.7E-07	1.0E-03	8.3E-10	1.6E-01	6.7E-01	8.7E-11
4	1.0E+00	1.6E-06	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10	4.8E+00	1.7E-07	1.0E-03	8.6E-10	1.6E-01	6.7E-01	9.0E-11
5	1.4E+00	1.6E-06	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.4E-10	4.8E+00	1.7E-07	1.0E-03	8.6E-10	1.6E-01	6.7E-01	9.1E-11
6	1.7E+00	1.6E-06	1.0E-03	2.8E-09	1.6E-01	6.7E-01	3.0E-10	4.7E+00	1.7E-07	1.0E-03	8.3E-10	1.6E-01	6.7E-01	8.7E-11
7	2.1E+00	1.6E-06	1.0E-03	3.4E-09	1.6E-01	6.7E-01	3.6E-10	4.3E+00	1.7E-07	1.0E-03	7.6E-10	1.6E-01	6.7E-01	8.0E-11
8	2.4E+00	1.6E-06	1.0E-03	4.0E-09	1.6E-01	6.7E-01	4.2E-10	3.6E+00	1.7E-07	1.0E-03	6.4E-10	1.6E-01	6.7E-01	6.7E-11
9	2.6E+00	1.6E-06	1.0E-03	4.3E-09	1.6E-01	6.7E-01	4.5E-10	2.8E+00	1.7E-07	1.0E-03	5.0E-10	1.6E-01	6.7E-01	5.3E-11
10	2.5E+00	1.6E-06	1.0E-03	4.2E-09	1.6E-01	6.7E-01	4.4E-10	2.2E+00	1.7E-07	1.0E-03	3.8E-10	1.6E-01	6.7E-01	4.0E-11
11	2.3E+00	1.6E-06	1.0E-03	3.8E-09	1.6E-01	6.7E-01	4.0E-10	1.6E+00	1.7E-07	1.0E-03	2.9E-10	1.6E-01	6.7E-01	3.1E-11
12	2.0E+00	1.6E-06	1.0E-03	3.3E-09	1.6E-01	6.7E-01	3.5E-10	1.3E+00	1.7E-07	1.0E-03	2.3E-10	1.6E-01	6.7E-01	2.4E-11
13	1.7E+00	1.6E-06	1.0E-03	2.8E-09	1.6E-01	6.7E-01	3.0E-10	1.0E+00	1.7E-07	1.0E-03	1.8E-10	1.6E-01	6.7E-01	1.9E-11
14	1.4E+00	1.6E-06	1.0E-03	2.4E-09	1.6E-01	6.7E-01	2.5E-10	8.0E-01	1.7E-07	1.0E-03	1.4E-10	1.6E-01	6.7E-01	1.5E-11
15	1.2E+00	1.6E-06	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10	6.5E-01	1.7E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.2E-11
16	1.0E+00	1.6E-06	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10	5.4E-01	1.7E-07	1.0E-03	9.6E-11	1.6E-01	6.7E-01	1.0E-11
17	5.9E-01	1.6E-06	1.0E-03	9.8E-10	1.6E-01	6.7E-01	1.0E-10	8.3E+00	1.7E-07	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.6E-10
18	7.7E-01	1.6E-06	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.3E-10	8.9E+00	1.7E-07	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10
19	1.0E+00	1.6E-06	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10	9.3E+00	1.7E-07	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.7E-10
20	1.4E+00	1.6E-06	1.0E-03	2.4E-09	1.6E-01	6.7E-01	2.5E-10	9.5E+00	1.7E-07	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10
21	2.1E+00	1.6E-06	1.0E-03	3.5E-09	1.6E-01	6.7E-01	3.7E-10	9.4E+00	1.7E-07	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10
22	3.1E+00	1.6E-06	1.0E-03	5.2E-09	1.6E-01	6.7E-01	5.4E-10	9.0E+00	1.7E-07	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10
23	4.2E+00	1.6E-06	1.0E-03	7.0E-09	1.6E-01	6.7E-01	7.4E-10	7.7E+00	1.7E-07	1.0E-03	1.4E-09	1.6E-01	6.7E-01	1.4E-10
24	4.9E+00	1.6E-06	1.0E-03	8.1E-09	1.6E-01	6.7E-01	8.6E-10	5.3E+00	1.7E-07	1.0E-03	9.4E-10	1.6E-01	6.7E-01	9.9E-11
25	4.5E+00	1.6E-06	1.0E-03	7.5E-09	1.6E-01	6.7E-01	7.9E-10	3.4E+00	1.7E-07	1.0E-03	6.1E-10	1.6E-01	6.7E-01	6.5E-11
26	3.8E+00	1.6E-06	1.0E-03	6.3E-09	1.6E-01	6.7E-01	6.6E-10	2.3E+00	1.7E-07	1.0E-03	4.2E-10	1.6E-01	6.7E-01	4.4E-11
27	3.1E+00	1.6E-06	1.0E-03	5.1E-09	1.6E-01	6.7E-01	5.3E-10	1.7E+00	1.7E-07	1.0E-03	3.0E-10	1.6E-01	6.7E-01	3.1E-11
28	2.5E+00	1.6E-06	1.0E-03	4.1E-09	1.6E-01	6.7E-01	4.3E-10	1.2E+00	1.7E-07	1.0E-03	2.2E-10	1.6E-01	6.7E-01	2.3E-11
29	2.0E+00	1.6E-06	1.0E-03	3.3E-09	1.6E-01	6.7E-01	3.4E-10	9.4E-01	1.7E-07	1.0E-03	1.7E-10	1.6E-01	6.7E-01	1.8E-11
30	1.6E+00	1.6E-06	1.0E-03	2.6E-09	1.6E-01	6.7E-01	2.8E-10	7.5E-01	1.7E-07	1.0E-03	1.3E-10	1.6E-01	6.7E-01	1.4E-11
31	1.3E+00	1.6E-06	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.2E-10	6.1E-01	1.7E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.1E-11
32	1.1E+00	1.6E-06	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.8E-10	5.0E-01	1.7E-07	1.0E-03	8.9E-11	1.6E-01	6.7E-01	9.4E-12
33	6.7E-01	1.6E-06	1.0E-03	1.1E-09	1.6E-01	6.7E-01	1.2E-10	6.9E+00	1.7E-07	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.3E-10
34	9.0E-01	1.6E-06	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.6E-10	1.1E+01	1.7E-07	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10
35	1.3E+00	1.6E-06	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.2E-10	6.2E+00	1.7E-07	1.0E-03	1.1E-09	1.6E-01	6.7E-01	1.2E-10
36	2.0E+00	1.6E-06	1.0E-03	3.3E-09	1.6E-01	6.7E-01	3.4E-10	6.1E+00	1.7E-07	1.0E-03	1.1E-09	1.6E-01	6.7E-01	1.1E-10
37	3.4E+00	1.6E-06	1.0E-03	5.7E-09	1.6E-01	6.7E-01	5.9E-10	6.0E+00	1.7E-07	1.0E-03	1.1E-09	1.6E-01	6.7E-01	1.1E-10
38	7.2E+00	1.6E-06	1.0E-03	1.2E-08	1.6E-01	6.7E-01	1.3E-09	5.4E+00	1.7E-07	1.0E-03	9.6E-10	1.6E-01	6.7E-01	1.0E-10
39	1.6E+01	1.6E-06	1.0E-03	2.6E-08	1.6E-01	6.7E-01	2.7E-09	6.2E+00	1.7E-07	1.0E-03	1.1E-09	1.6E-01	6.7E-01	1.2E-10
40	1.1E+01	1.6E-06	1.0E-03	1.9E-08	1.6E-01	6.7E-01	2.0E-09	7.1E+00	1.7E-07	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.3E-10
41	7.5E+00	1.6E-06	1.0E-03	1.2E-08	1.6E-01	6.7E-01	1.3E-09	3.6E+00	1.7E-07	1.0E-03	6.5E-10	1.6E-01	6.7E-01	6.8E-11
42	5.2E+00	1.6E-06	1.0E-03	8.7E-09	1.6E-01	6.7E-01	9.1E-10	2.2E+00	1.7E-07	1.0E-03	4.0E-10	1.6E-01	6.7E-01	4.2E-11
43	3.8E+00	1.6E-06	1.0E-03	6.3E-09	1.6E-01	6.7E-01	6.6E-10	1.5E+00	1.7E-07	1.0E-03	2.7E-10	1.6E-01	6.7E-01	2.8E-11

Franklin School Project

Risk From Modernization Const - Unmitigated Residential

	Haul Route 1A							Haul Route 2A						
Receptor #	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
44	2.8E+00	1.6E-06	1.0E-03	4.7E-09	1.6E-01	6.7E-01	4.9E-10	1.1E+00	1.7E-07	1.0E-03	2.0E-10	1.6E-01	6.7E-01	2.1E-11
45	2.1E+00	1.6E-06	1.0E-03	3.5E-09	1.6E-01	6.7E-01	3.7E-10	8.5E-01	1.7E-07	1.0E-03	1.5E-10	1.6E-01	6.7E-01	1.6E-11
46	1.7E+00	1.6E-06	1.0E-03	2.7E-09	1.6E-01	6.7E-01	2.9E-10	6.7E-01	1.7E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.3E-11
47	1.3E+00	1.6E-06	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.3E-10	5.4E-01	1.7E-07	1.0E-03	9.7E-11	1.6E-01	6.7E-01	1.0E-11
48	1.0E+00	1.6E-06	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10	4.5E-01	1.7E-07	1.0E-03	8.1E-11	1.6E-01	6.7E-01	8.5E-12
49	7.3E-01	1.6E-06	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.3E-10	6.3E+00	1.7E-07	1.0E-03	1.1E-09	1.6E-01	6.7E-01	1.2E-10
50	1.0E+00	1.6E-06	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10	1.0E+01	1.7E-07	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10
51	1.5E+00	1.6E-06	1.0E-03	2.5E-09	1.6E-01	6.7E-01	2.6E-10	5.6E+00	1.7E-07	1.0E-03	1.0E-09	1.6E-01	6.7E-01	1.1E-10
52	2.5E+00	1.6E-06	1.0E-03	4.2E-09	1.6E-01	6.7E-01	4.4E-10	5.5E+00	1.7E-07	1.0E-03	9.8E-10	1.6E-01	6.7E-01	1.0E-10
53	5.0E+00	1.6E-06	1.0E-03	8.3E-09	1.6E-01	6.7E-01	8.7E-10	5.3E+00	1.7E-07	1.0E-03	9.4E-10	1.6E-01	6.7E-01	9.8E-11
54	1.5E+01	1.6E-06	1.0E-03	2.5E-08	1.6E-01	6.7E-01	2.6E-09	4.5E+00	1.7E-07	1.0E-03	8.1E-10	1.6E-01	6.7E-01	8.5E-11
55	1.6E+01	1.6E-06	1.0E-03	2.7E-08	1.6E-01	6.7E-01	2.8E-09	5.2E+00	1.7E-07	1.0E-03	9.3E-10	1.6E-01	6.7E-01	9.8E-11
56	2.1E+01	1.6E-06	1.0E-03	3.5E-08	1.6E-01	6.7E-01	3.7E-09	6.0E+00	1.7E-07	1.0E-03	1.1E-09	1.6E-01	6.7E-01	1.1E-10
57	1.0E+01	1.6E-06	1.0E-03	1.7E-08	1.6E-01	6.7E-01	1.8E-09	3.0E+00	1.7E-07	1.0E-03	5.4E-10	1.6E-01	6.7E-01	5.7E-11
58	6.3E+00	1.6E-06	1.0E-03	1.0E-08	1.6E-01	6.7E-01	1.1E-09	1.9E+00	1.7E-07	1.0E-03	3.3E-10	1.6E-01	6.7E-01	3.5E-11
59	4.2E+00	1.6E-06	1.0E-03	7.0E-09	1.6E-01	6.7E-01	7.3E-10	1.3E+00	1.7E-07	1.0E-03	2.3E-10	1.6E-01	6.7E-01	2.4E-11
60	2.9E+00	1.6E-06	1.0E-03	4.9E-09	1.6E-01	6.7E-01	5.1E-10	9.5E-01	1.7E-07	1.0E-03	1.7E-10	1.6E-01	6.7E-01	1.8E-11
61	2.2E+00	1.6E-06	1.0E-03	3.6E-09	1.6E-01	6.7E-01	3.7E-10	7.4E-01	1.7E-07	1.0E-03	1.3E-10	1.6E-01	6.7E-01	1.4E-11
62	1.6E+00	1.6E-06	1.0E-03	2.7E-09	1.6E-01	6.7E-01	2.8E-10	5.9E-01	1.7E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.1E-11
63	1.3E+00	1.6E-06	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.2E-10	4.8E-01	1.7E-07	1.0E-03	8.6E-11	1.6E-01	6.7E-01	9.1E-12
64	9.9E-01	1.6E-06	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10	4.0E-01	1.7E-07	1.0E-03	7.2E-11	1.6E-01	6.7E-01	7.6E-12
65	7.7E-01	1.6E-06	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.3E-10	7.0E+00	1.7E-07	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.3E-10
66	1.1E+00	1.6E-06	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10	7.3E+00	1.7E-07	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.4E-10
67	1.7E+00	1.6E-06	1.0E-03	2.8E-09	1.6E-01	6.7E-01	2.9E-10	7.4E+00	1.7E-07	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.4E-10
68	2.9E+00	1.6E-06	1.0E-03	4.8E-09	1.6E-01	6.7E-01	5.0E-10	7.3E+00	1.7E-07	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.4E-10
69	6.1E+00	1.6E-06	1.0E-03	1.0E-08	1.6E-01	6.7E-01	1.1E-09	7.0E+00	1.7E-07	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.3E-10
70	1.9E+01	1.6E-06	1.0E-03	3.1E-08	1.6E-01	6.7E-01	3.3E-09	6.4E+00	1.7E-07	1.0E-03	1.1E-09	1.6E-01	6.7E-01	1.2E-10
71	2.6E+01	1.6E-06	1.0E-03	4.2E-08	1.6E-01	6.7E-01	4.5E-09	5.2E+00	1.7E-07	1.0E-03	9.2E-10	1.6E-01	6.7E-01	9.7E-11
72	2.5E+01	1.6E-06	1.0E-03	4.2E-08	1.6E-01	6.7E-01	4.4E-09	3.4E+00	1.7E-07	1.0E-03	6.1E-10	1.6E-01	6.7E-01	6.4E-11
73	1.2E+01	1.6E-06	1.0E-03	1.9E-08	1.6E-01	6.7E-01	2.0E-09	2.2E+00	1.7E-07	1.0E-03	3.9E-10	1.6E-01	6.7E-01	4.1E-11
74	6.7E+00	1.6E-06	1.0E-03	1.1E-08	1.6E-01	6.7E-01	1.2E-09	1.5E+00	1.7E-07	1.0E-03	2.7E-10	1.6E-01	6.7E-01	2.8E-11
75	4.2E+00	1.6E-06	1.0E-03	6.9E-09	1.6E-01	6.7E-01	7.3E-10	1.1E+00	1.7E-07	1.0E-03	1.9E-10	1.6E-01	6.7E-01	2.0E-11
76	2.8E+00	1.6E-06	1.0E-03	4.7E-09	1.6E-01	6.7E-01	4.9E-10	8.2E-01	1.7E-07	1.0E-03	1.5E-10	1.6E-01	6.7E-01	1.5E-11
77	2.0E+00	1.6E-06	1.0E-03	3.4E-09	1.6E-01	6.7E-01	3.5E-10	6.4E-01	1.7E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.2E-11
78	1.5E+00	1.6E-06	1.0E-03	2.5E-09	1.6E-01	6.7E-01	2.6E-10	5.2E-01	1.7E-07	1.0E-03	9.3E-11	1.6E-01	6.7E-01	9.7E-12
79	1.2E+00	1.6E-06	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10	4.3E-01	1.7E-07	1.0E-03	7.7E-11	1.6E-01	6.7E-01	8.1E-12
80	9.1E-01	1.6E-06	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.6E-10	3.6E-01	1.7E-07	1.0E-03	6.5E-11	1.6E-01	6.7E-01	6.8E-12
81	7.7E-01	1.6E-06	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.3E-10	3.5E+00	1.7E-07	1.0E-03	6.3E-10	1.6E-01	6.7E-01	6.6E-11
82	1.1E+00	1.6E-06	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10	3.8E+00	1.7E-07	1.0E-03	6.7E-10	1.6E-01	6.7E-01	7.0E-11
83	1.7E+00	1.6E-06	1.0E-03	2.8E-09	1.6E-01	6.7E-01	3.0E-10	3.8E+00	1.7E-07	1.0E-03	6.9E-10	1.6E-01	6.7E-01	7.2E-11
84	3.0E+00	1.6E-06	1.0E-03	4.9E-09	1.6E-01	6.7E-01	5.1E-10	3.8E+00	1.7E-07	1.0E-03	6.8E-10	1.6E-01	6.7E-01	7.2E-11
85	6.2E+00	1.6E-06	1.0E-03	1.0E-08	1.6E-01	6.7E-01	1.1E-09	3.7E+00	1.7E-07	1.0E-03	6.6E-10	1.6E-01	6.7E-01	6.9E-11
86	1.9E+01	1.6E-06	1.0E-03	3.2E-08	1.6E-01	6.7E-01	3.3E-09	3.4E+00	1.7E-07	1.0E-03	6.0E-10	1.6E-01	6.7E-01	6.3E-11

Franklin School Project

Risk From Modernization Const - Unmitigated Residential

	Haul Route 1A							Haul Route 2A						
Receptor #	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
87	2.7E+01	1.6E-06	1.0E-03	4.4E-08	1.6E-01	6.7E-01	4.6E-09	2.9E+00	1.7E-07	1.0E-03	5.1E-10	1.6E-01	6.7E-01	5.4E-11
88	2.5E+01	1.6E-06	1.0E-03	4.2E-08	1.6E-01	6.7E-01	4.4E-09	2.2E+00	1.7E-07	1.0E-03	4.0E-10	1.6E-01	6.7E-01	4.2E-11
89	1.1E+01	1.6E-06	1.0E-03	1.9E-08	1.6E-01	6.7E-01	2.0E-09	1.6E+00	1.7E-07	1.0E-03	2.9E-10	1.6E-01	6.7E-01	3.1E-11
90	6.2E+00	1.6E-06	1.0E-03	1.0E-08	1.6E-01	6.7E-01	1.1E-09	1.2E+00	1.7E-07	1.0E-03	2.2E-10	1.6E-01	6.7E-01	2.3E-11
91	3.8E+00	1.6E-06	1.0E-03	6.3E-09	1.6E-01	6.7E-01	6.6E-10	9.1E-01	1.7E-07	1.0E-03	1.6E-10	1.6E-01	6.7E-01	1.7E-11
92	2.5E+00	1.6E-06	1.0E-03	4.2E-09	1.6E-01	6.7E-01	4.4E-10	7.1E-01	1.7E-07	1.0E-03	1.3E-10	1.6E-01	6.7E-01	1.3E-11
93	1.8E+00	1.6E-06	1.0E-03	3.0E-09	1.6E-01	6.7E-01	3.1E-10	5.7E-01	1.7E-07	1.0E-03	1.0E-10	1.6E-01	6.7E-01	1.1E-11
94	1.3E+00	1.6E-06	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.3E-10	4.7E-01	1.7E-07	1.0E-03	8.3E-11	1.6E-01	6.7E-01	8.7E-12
95	1.0E+00	1.6E-06	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10	3.9E-01	1.7E-07	1.0E-03	7.0E-11	1.6E-01	6.7E-01	7.3E-12
96	8.1E-01	1.6E-06	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.4E-10	3.3E-01	1.7E-07	1.0E-03	5.9E-11	1.6E-01	6.7E-01	6.2E-12
97	7.4E-01	1.6E-06	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.3E-10	2.2E+00	1.7E-07	1.0E-03	3.9E-10	1.6E-01	6.7E-01	4.1E-11
98	1.0E+00	1.6E-06	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10	2.4E+00	1.7E-07	1.0E-03	4.2E-10	1.6E-01	6.7E-01	4.4E-11
99	1.6E+00	1.6E-06	1.0E-03	2.6E-09	1.6E-01	6.7E-01	2.8E-10	2.4E+00	1.7E-07	1.0E-03	4.3E-10	1.6E-01	6.7E-01	4.6E-11
100	2.7E+00	1.6E-06	1.0E-03	4.5E-09	1.6E-01	6.7E-01	4.7E-10	2.4E+00	1.7E-07	1.0E-03	4.3E-10	1.6E-01	6.7E-01	4.6E-11
101	5.6E+00	1.6E-06	1.0E-03	9.2E-09	1.6E-01	6.7E-01	9.7E-10	2.4E+00	1.7E-07	1.0E-03	4.2E-10	1.6E-01	6.7E-01	4.4E-11
102	1.7E+01	1.6E-06	1.0E-03	2.8E-08	1.6E-01	6.7E-01	3.0E-09	2.2E+00	1.7E-07	1.0E-03	3.9E-10	1.6E-01	6.7E-01	4.1E-11
103	2.3E+01	1.6E-06	1.0E-03	3.8E-08	1.6E-01	6.7E-01	4.0E-09	1.9E+00	1.7E-07	1.0E-03	3.5E-10	1.6E-01	6.7E-01	3.6E-11
104	2.2E+01	1.6E-06	1.0E-03	3.6E-08	1.6E-01	6.7E-01	3.8E-09	1.6E+00	1.7E-07	1.0E-03	2.9E-10	1.6E-01	6.7E-01	3.0E-11
105	9.3E+00	1.6E-06	1.0E-03	1.5E-08	1.6E-01	6.7E-01	1.6E-09	1.3E+00	1.7E-07	1.0E-03	2.3E-10	1.6E-01	6.7E-01	2.4E-11
106	5.1E+00	1.6E-06	1.0E-03	8.5E-09	1.6E-01	6.7E-01	8.9E-10	1.0E+00	1.7E-07	1.0E-03	1.8E-10	1.6E-01	6.7E-01	1.9E-11
107	3.2E+00	1.6E-06	1.0E-03	5.3E-09	1.6E-01	6.7E-01	5.5E-10	7.9E-01	1.7E-07	1.0E-03	1.4E-10	1.6E-01	6.7E-01	1.5E-11
108	2.2E+00	1.6E-06	1.0E-03	3.6E-09	1.6E-01	6.7E-01	3.8E-10	6.3E-01	1.7E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.2E-11
109	1.5E+00	1.6E-06	1.0E-03	2.6E-09	1.6E-01	6.7E-01	2.7E-10	5.1E-01	1.7E-07	1.0E-03	9.2E-11	1.6E-01	6.7E-01	9.6E-12
110	1.2E+00	1.6E-06	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10	4.3E-01	1.7E-07	1.0E-03	7.6E-11	1.6E-01	6.7E-01	8.0E-12
111	9.0E-01	1.6E-06	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.6E-10	3.6E-01	1.7E-07	1.0E-03	6.4E-11	1.6E-01	6.7E-01	6.7E-12
112	7.2E-01	1.6E-06	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.3E-10	3.1E-01	1.7E-07	1.0E-03	5.5E-11	1.6E-01	6.7E-01	5.7E-12
113	6.8E-01	1.6E-06	1.0E-03	1.1E-09	1.6E-01	6.7E-01	1.2E-10	1.5E+00	1.7E-07	1.0E-03	2.7E-10	1.6E-01	6.7E-01	2.8E-11
114	9.4E-01	1.6E-06	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.6E-10	1.6E+00	1.7E-07	1.0E-03	2.9E-10	1.6E-01	6.7E-01	3.0E-11
115	1.4E+00	1.6E-06	1.0E-03	2.3E-09	1.6E-01	6.7E-01	2.4E-10	1.7E+00	1.7E-07	1.0E-03	3.0E-10	1.6E-01	6.7E-01	3.2E-11
116	2.2E+00	1.6E-06	1.0E-03	3.7E-09	1.6E-01	6.7E-01	3.9E-10	1.7E+00	1.7E-07	1.0E-03	3.0E-10	1.6E-01	6.7E-01	3.2E-11
117	4.1E+00	1.6E-06	1.0E-03	6.9E-09	1.6E-01	6.7E-01	7.2E-10	1.7E+00	1.7E-07	1.0E-03	3.0E-10	1.6E-01	6.7E-01	3.1E-11
118	3.8E+00	1.6E-06	1.0E-03	6.4E-09	1.6E-01	6.7E-01	6.7E-10	8.5E-01	1.7E-07	1.0E-03	1.5E-10	1.6E-01	6.7E-01	1.6E-11
119	2.5E+00	1.6E-06	1.0E-03	4.2E-09	1.6E-01	6.7E-01	4.4E-10	6.9E-01	1.7E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.3E-11
120	1.8E+00	1.6E-06	1.0E-03	3.0E-09	1.6E-01	6.7E-01	3.1E-10	5.7E-01	1.7E-07	1.0E-03	1.0E-10	1.6E-01	6.7E-01	1.1E-11
121	1.3E+00	1.6E-06	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.3E-10	4.7E-01	1.7E-07	1.0E-03	8.4E-11	1.6E-01	6.7E-01	8.8E-12
122	1.0E+00	1.6E-06	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10	3.9E-01	1.7E-07	1.0E-03	7.0E-11	1.6E-01	6.7E-01	7.4E-12
123	7.9E-01	1.6E-06	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.4E-10	3.3E-01	1.7E-07	1.0E-03	6.0E-11	1.6E-01	6.7E-01	6.3E-12
124	6.4E-01	1.6E-06	1.0E-03	1.1E-09	1.6E-01	6.7E-01	1.1E-10	2.9E-01	1.7E-07	1.0E-03	5.1E-11	1.6E-01	6.7E-01	5.4E-12
125	6.1E-01	1.6E-06	1.0E-03	1.0E-09	1.6E-01	6.7E-01	1.1E-10	1.1E+00	1.7E-07	1.0E-03	1.9E-10	1.6E-01	6.7E-01	2.0E-11
126	8.1E-01	1.6E-06	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.4E-10	1.2E+00	1.7E-07	1.0E-03	2.1E-10	1.6E-01	6.7E-01	2.2E-11
127	1.1E+00	1.6E-06	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10	1.2E+00	1.7E-07	1.0E-03	2.2E-10	1.6E-01	6.7E-01	2.3E-11
128	1.7E+00	1.6E-06	1.0E-03	2.8E-09	1.6E-01	6.7E-01	2.9E-10	1.3E+00	1.7E-07	1.0E-03	2.2E-10	1.6E-01	6.7E-01	2.4E-11
129	2.7E+00	1.6E-06	1.0E-03	4.4E-09	1.6E-01	6.7E-01	4.6E-10	1.2E+00	1.7E-07	1.0E-03	2.2E-10	1.6E-01	6.7E-01	2.3E-11

Franklin School Project

Risk From Modernization Const - Unmitigated Residential

	Haul Route 1A							Haul Route 2A						
Receptor #	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
130	2.8E+00	1.6E-06	1.0E-03	4.6E-09	1.6E-01	6.7E-01	4.9E-10	7.2E-01	1.7E-07	1.0E-03	1.3E-10	1.6E-01	6.7E-01	1.4E-11
131	2.0E+00	1.6E-06	1.0E-03	3.3E-09	1.6E-01	6.7E-01	3.5E-10	6.1E-01	1.7E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.1E-11
132	1.5E+00	1.6E-06	1.0E-03	2.4E-09	1.6E-01	6.7E-01	2.6E-10	5.1E-01	1.7E-07	1.0E-03	9.1E-11	1.6E-01	6.7E-01	9.5E-12
133	1.1E+00	1.6E-06	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10	4.3E-01	1.7E-07	1.0E-03	7.7E-11	1.6E-01	6.7E-01	8.1E-12
134	8.9E-01	1.6E-06	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.5E-10	3.7E-01	1.7E-07	1.0E-03	6.5E-11	1.6E-01	6.7E-01	6.9E-12
135	7.1E-01	1.6E-06	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.2E-10	3.1E-01	1.7E-07	1.0E-03	5.6E-11	1.6E-01	6.7E-01	5.9E-12
136	5.8E-01	1.6E-06	1.0E-03	9.6E-10	1.6E-01	6.7E-01	1.0E-10	2.7E-01	1.7E-07	1.0E-03	4.8E-11	1.6E-01	6.7E-01	5.1E-12
137	5.3E-01	1.6E-06	1.0E-03	8.8E-10	1.6E-01	6.7E-01	9.3E-11	8.3E-01	1.7E-07	1.0E-03	1.5E-10	1.6E-01	6.7E-01	1.6E-11
138	6.9E-01	1.6E-06	1.0E-03	1.1E-09	1.6E-01	6.7E-01	1.2E-10	9.0E-01	1.7E-07	1.0E-03	1.6E-10	1.6E-01	6.7E-01	1.7E-11
139	9.1E-01	1.6E-06	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.6E-10	9.4E-01	1.7E-07	1.0E-03	1.7E-10	1.6E-01	6.7E-01	1.8E-11
140	1.3E+00	1.6E-06	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.2E-10	9.6E-01	1.7E-07	1.0E-03	1.7E-10	1.6E-01	6.7E-01	1.8E-11
141	1.7E+00	1.6E-06	1.0E-03	2.9E-09	1.6E-01	6.7E-01	3.0E-10	9.6E-01	1.7E-07	1.0E-03	1.7E-10	1.6E-01	6.7E-01	1.8E-11
142	2.0E+00	1.6E-06	1.0E-03	3.4E-09	1.6E-01	6.7E-01	3.5E-10	6.1E-01	1.7E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.2E-11
143	1.6E+00	1.6E-06	1.0E-03	2.6E-09	1.6E-01	6.7E-01	2.7E-10	5.3E-01	1.7E-07	1.0E-03	9.5E-11	1.6E-01	6.7E-01	9.9E-12
144	1.2E+00	1.6E-06	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10	4.6E-01	1.7E-07	1.0E-03	8.1E-11	1.6E-01	6.7E-01	8.6E-12
145	9.9E-01	1.6E-06	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10	4.0E-01	1.7E-07	1.0E-03	7.1E-11	1.6E-01	6.7E-01	7.4E-12
146	7.9E-01	1.6E-06	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.4E-10	3.4E-01	1.7E-07	1.0E-03	6.1E-11	1.6E-01	6.7E-01	6.4E-12
147	6.4E-01	1.6E-06	1.0E-03	1.1E-09	1.6E-01	6.7E-01	1.1E-10	3.0E-01	1.7E-07	1.0E-03	5.3E-11	1.6E-01	6.7E-01	5.5E-12
148	5.3E-01	1.6E-06	1.0E-03	8.7E-10	1.6E-01	6.7E-01	9.2E-11	2.6E-01	1.7E-07	1.0E-03	4.6E-11	1.6E-01	6.7E-01	4.8E-12
149	4.6E-01	1.6E-06	1.0E-03	7.7E-10	1.6E-01	6.7E-01	8.0E-11	6.5E-01	1.7E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.2E-11
150	5.7E-01	1.6E-06	1.0E-03	9.5E-10	1.6E-01	6.7E-01	9.9E-11	7.0E-01	1.7E-07	1.0E-03	1.3E-10	1.6E-01	6.7E-01	1.3E-11
151	7.3E-01	1.6E-06	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.3E-10	7.4E-01	1.7E-07	1.0E-03	1.3E-10	1.6E-01	6.7E-01	1.4E-11
152	9.5E-01	1.6E-06	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10	7.6E-01	1.7E-07	1.0E-03	1.4E-10	1.6E-01	6.7E-01	1.4E-11
153	1.2E+00	1.6E-06	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.2E-10	7.6E-01	1.7E-07	1.0E-03	1.4E-10	1.6E-01	6.7E-01	1.4E-11
154	1.6E+00	1.6E-06	1.0E-03	2.6E-09	1.6E-01	6.7E-01	2.7E-10	5.3E-01	1.7E-07	1.0E-03	9.5E-11	1.6E-01	6.7E-01	1.0E-11
155	1.3E+00	1.6E-06	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.2E-10	4.7E-01	1.7E-07	1.0E-03	8.4E-11	1.6E-01	6.7E-01	8.8E-12
156	1.0E+00	1.6E-06	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10	4.1E-01	1.7E-07	1.0E-03	7.3E-11	1.6E-01	6.7E-01	7.6E-12
157	8.6E-01	1.6E-06	1.0E-03	1.4E-09	1.6E-01	6.7E-01	1.5E-10	3.6E-01	1.7E-07	1.0E-03	6.5E-11	1.6E-01	6.7E-01	6.8E-12
158	7.1E-01	1.6E-06	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.2E-10	3.2E-01	1.7E-07	1.0E-03	5.7E-11	1.6E-01	6.7E-01	5.9E-12
159	5.8E-01	1.6E-06	1.0E-03	9.7E-10	1.6E-01	6.7E-01	1.0E-10	2.8E-01	1.7E-07	1.0E-03	5.0E-11	1.6E-01	6.7E-01	5.2E-12
160	4.9E-01	1.6E-06	1.0E-03	8.1E-10	1.6E-01	6.7E-01	8.5E-11	2.4E-01	1.7E-07	1.0E-03	4.4E-11	1.6E-01	6.7E-01	4.6E-12
161	4.0E-01	1.6E-06	1.0E-03	6.6E-10	1.6E-01	6.7E-01	6.9E-11	5.3E-01	1.7E-07	1.0E-03	9.4E-11	1.6E-01	6.7E-01	9.9E-12
162	4.8E-01	1.6E-06	1.0E-03	8.0E-10	1.6E-01	6.7E-01	8.4E-11	5.7E-01	1.7E-07	1.0E-03	1.0E-10	1.6E-01	6.7E-01	1.1E-11
163	5.9E-01	1.6E-06	1.0E-03	9.8E-10	1.6E-01	6.7E-01	1.0E-10	6.0E-01	1.7E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.1E-11
164	7.4E-01	1.6E-06	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.3E-10	6.1E-01	1.7E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.1E-11
165	9.3E-01	1.6E-06	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.6E-10	6.2E-01	1.7E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.2E-11
166	1.1E+00	1.6E-06	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10	6.1E-01	1.7E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.1E-11
167	1.3E+00	1.6E-06	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.2E-10	5.8E-01	1.7E-07	1.0E-03	1.0E-10	1.6E-01	6.7E-01	1.1E-11
168	1.3E+00	1.6E-06	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.3E-10	5.5E-01	1.7E-07	1.0E-03	9.8E-11	1.6E-01	6.7E-01	1.0E-11
169	1.3E+00	1.6E-06	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.3E-10	5.1E-01	1.7E-07	1.0E-03	9.1E-11	1.6E-01	6.7E-01	9.5E-12
170	1.2E+00	1.6E-06	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10	4.6E-01	1.7E-07	1.0E-03	8.3E-11	1.6E-01	6.7E-01	8.7E-12
171	1.0E+00	1.6E-06	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10	4.2E-01	1.7E-07	1.0E-03	7.4E-11	1.6E-01	6.7E-01	7.8E-12
172	8.6E-01	1.6E-06	1.0E-03	1.4E-09	1.6E-01	6.7E-01	1.5E-10	3.7E-01	1.7E-07	1.0E-03	6.5E-11	1.6E-01	6.7E-01	6.8E-12

Franklin School Project

Risk From Modernization Const - Unmitigated Residential

	Haul Route 1A							Haul Route 2A						
Receptor #	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
173	7.2E-01	1.6E-06	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.3E-10	3.2E-01	1.7E-07	1.0E-03	5.8E-11	1.6E-01	6.7E-01	6.1E-12
174	6.3E-01	1.6E-06	1.0E-03	1.0E-09	1.6E-01	6.7E-01	1.1E-10	2.9E-01	1.7E-07	1.0E-03	5.2E-11	1.6E-01	6.7E-01	5.5E-12
175	5.3E-01	1.6E-06	1.0E-03	8.8E-10	1.6E-01	6.7E-01	9.3E-11	2.6E-01	1.7E-07	1.0E-03	4.6E-11	1.6E-01	6.7E-01	4.9E-12
176	4.5E-01	1.6E-06	1.0E-03	7.5E-10	1.6E-01	6.7E-01	7.8E-11	2.3E-01	1.7E-07	1.0E-03	4.1E-11	1.6E-01	6.7E-01	4.3E-12
177	3.5E-01	1.6E-06	1.0E-03	5.7E-10	1.6E-01	6.7E-01	6.0E-11	4.4E-01	1.7E-07	1.0E-03	7.8E-11	1.6E-01	6.7E-01	8.2E-12
178	4.1E-01	1.6E-06	1.0E-03	6.8E-10	1.6E-01	6.7E-01	7.1E-11	4.7E-01	1.7E-07	1.0E-03	8.3E-11	1.6E-01	6.7E-01	8.7E-12
179	4.9E-01	1.6E-06	1.0E-03	8.1E-10	1.6E-01	6.7E-01	8.6E-11	4.9E-01	1.7E-07	1.0E-03	8.7E-11	1.6E-01	6.7E-01	9.2E-12
180	6.0E-01	1.6E-06	1.0E-03	9.9E-10	1.6E-01	6.7E-01	1.0E-10	5.0E-01	1.7E-07	1.0E-03	9.0E-11	1.6E-01	6.7E-01	9.4E-12
181	7.3E-01	1.6E-06	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.3E-10	5.1E-01	1.7E-07	1.0E-03	9.1E-11	1.6E-01	6.7E-01	9.5E-12
182	8.5E-01	1.6E-06	1.0E-03	1.4E-09	1.6E-01	6.7E-01	1.5E-10	5.0E-01	1.7E-07	1.0E-03	9.0E-11	1.6E-01	6.7E-01	9.4E-12
183	9.4E-01	1.6E-06	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.6E-10	4.9E-01	1.7E-07	1.0E-03	8.7E-11	1.6E-01	6.7E-01	9.1E-12
184	9.9E-01	1.6E-06	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10	4.7E-01	1.7E-07	1.0E-03	8.3E-11	1.6E-01	6.7E-01	8.7E-12
185	9.8E-01	1.6E-06	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10	4.4E-01	1.7E-07	1.0E-03	7.8E-11	1.6E-01	6.7E-01	8.2E-12
186	9.3E-01	1.6E-06	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.6E-10	4.0E-01	1.7E-07	1.0E-03	7.2E-11	1.6E-01	6.7E-01	7.6E-12
187	8.4E-01	1.6E-06	1.0E-03	1.4E-09	1.6E-01	6.7E-01	1.5E-10	3.7E-01	1.7E-07	1.0E-03	6.6E-11	1.6E-01	6.7E-01	6.9E-12
188	7.4E-01	1.6E-06	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.3E-10	3.3E-01	1.7E-07	1.0E-03	6.0E-11	1.6E-01	6.7E-01	6.3E-12
189	6.2E-01	1.6E-06	1.0E-03	1.0E-09	1.6E-01	6.7E-01	1.1E-10	2.9E-01	1.7E-07	1.0E-03	5.2E-11	1.6E-01	6.7E-01	5.5E-12
190	5.5E-01	1.6E-06	1.0E-03	9.2E-10	1.6E-01	6.7E-01	9.7E-11	2.7E-01	1.7E-07	1.0E-03	4.8E-11	1.6E-01	6.7E-01	5.1E-12
191	4.8E-01	1.6E-06	1.0E-03	8.0E-10	1.6E-01	6.7E-01	8.4E-11	2.4E-01	1.7E-07	1.0E-03	4.3E-11	1.6E-01	6.7E-01	4.6E-12
192	4.2E-01	1.6E-06	1.0E-03	6.9E-10	1.6E-01	6.7E-01	7.2E-11	2.2E-01	1.7E-07	1.0E-03	3.9E-11	1.6E-01	6.7E-01	4.1E-12
193	3.0E-01	1.6E-06	1.0E-03	5.0E-10	1.6E-01	6.7E-01	5.3E-11	3.7E-01	1.7E-07	1.0E-03	6.6E-11	1.6E-01	6.7E-01	6.9E-12
194	3.5E-01	1.6E-06	1.0E-03	5.9E-10	1.6E-01	6.7E-01	6.2E-11	3.9E-01	1.7E-07	1.0E-03	7.0E-11	1.6E-01	6.7E-01	7.3E-12
195	4.2E-01	1.6E-06	1.0E-03	6.9E-10	1.6E-01	6.7E-01	7.3E-11	4.1E-01	1.7E-07	1.0E-03	7.3E-11	1.6E-01	6.7E-01	7.7E-12
196	5.0E-01	1.6E-06	1.0E-03	8.2E-10	1.6E-01	6.7E-01	8.6E-11	4.2E-01	1.7E-07	1.0E-03	7.5E-11	1.6E-01	6.7E-01	7.9E-12
197	5.8E-01	1.6E-06	1.0E-03	9.6E-10	1.6E-01	6.7E-01	1.0E-10	4.3E-01	1.7E-07	1.0E-03	7.6E-11	1.6E-01	6.7E-01	8.0E-12
198	6.6E-01	1.6E-06	1.0E-03	1.1E-09	1.6E-01	6.7E-01	1.1E-10	4.2E-01	1.7E-07	1.0E-03	7.5E-11	1.6E-01	6.7E-01	7.9E-12
199	7.2E-01	1.6E-06	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.3E-10	4.1E-01	1.7E-07	1.0E-03	7.4E-11	1.6E-01	6.7E-01	7.7E-12
200	7.6E-01	1.6E-06	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.3E-10	4.0E-01	1.7E-07	1.0E-03	7.1E-11	1.6E-01	6.7E-01	7.5E-12
201	7.6E-01	1.6E-06	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.3E-10	3.8E-01	1.7E-07	1.0E-03	6.7E-11	1.6E-01	6.7E-01	7.1E-12
202	7.3E-01	1.6E-06	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.3E-10	3.5E-01	1.7E-07	1.0E-03	6.3E-11	1.6E-01	6.7E-01	6.6E-12
203	6.7E-01	1.6E-06	1.0E-03	1.1E-09	1.6E-01	6.7E-01	1.2E-10	3.2E-01	1.7E-07	1.0E-03	5.7E-11	1.6E-01	6.7E-01	6.0E-12
204	6.1E-01	1.6E-06	1.0E-03	1.0E-09	1.6E-01	6.7E-01	1.1E-10	3.0E-01	1.7E-07	1.0E-03	5.3E-11	1.6E-01	6.7E-01	5.5E-12
205	5.4E-01	1.6E-06	1.0E-03	9.0E-10	1.6E-01	6.7E-01	9.5E-11	2.7E-01	1.7E-07	1.0E-03	4.8E-11	1.6E-01	6.7E-01	5.1E-12
206	4.7E-01	1.6E-06	1.0E-03	7.8E-10	1.6E-01	6.7E-01	8.2E-11	2.4E-01	1.7E-07	1.0E-03	4.3E-11	1.6E-01	6.7E-01	4.5E-12
207	4.3E-01	1.6E-06	1.0E-03	7.2E-10	1.6E-01	6.7E-01	7.5E-11	2.3E-01	1.7E-07	1.0E-03	4.0E-11	1.6E-01	6.7E-01	4.2E-12
208	3.8E-01	1.6E-06	1.0E-03	6.3E-10	1.6E-01	6.7E-01	6.6E-11	2.1E-01	1.7E-07	1.0E-03	3.7E-11	1.6E-01	6.7E-01	3.8E-12
209	2.7E-01	1.6E-06	1.0E-03	4.4E-10	1.6E-01	6.7E-01	4.7E-11	3.1E-01	1.7E-07	1.0E-03	5.6E-11	1.6E-01	6.7E-01	5.9E-12
210	3.1E-01	1.6E-06	1.0E-03	5.1E-10	1.6E-01	6.7E-01	5.4E-11	3.3E-01	1.7E-07	1.0E-03	5.9E-11	1.6E-01	6.7E-01	6.2E-12
211	3.6E-01	1.6E-06	1.0E-03	5.9E-10	1.6E-01	6.7E-01	6.2E-11	3.5E-01	1.7E-07	1.0E-03	6.2E-11	1.6E-01	6.7E-01	6.5E-12
212	4.1E-01	1.6E-06	1.0E-03	6.9E-10	1.6E-01	6.7E-01	7.2E-11	3.6E-01	1.7E-07	1.0E-03	6.4E-11	1.6E-01	6.7E-01	6.7E-12
213	4.7E-01	1.6E-06	1.0E-03	7.9E-10	1.6E-01	6.7E-01	8.3E-11	3.6E-01	1.7E-07	1.0E-03	6.4E-11	1.6E-01	6.7E-01	6.8E-12
214	5.3E-01	1.6E-06	1.0E-03	8.8E-10	1.6E-01	6.7E-01	9.2E-11	3.6E-01	1.7E-07	1.0E-03	6.4E-11	1.6E-01	6.7E-01	6.8E-12
215	5.7E-01	1.6E-06	1.0E-03	9.5E-10	1.6E-01	6.7E-01	1.0E-10	3.5E-01	1.7E-07	1.0E-03	6.3E-11	1.6E-01	6.7E-01	6.6E-12

Franklin School Project

Risk From Modernization Const - Unmitigated Residential

	Haul Route 1A							Haul Route 2A						
Receptor #	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
216	6.0E-01	1.6E-06	1.0E-03	9.9E-10	1.6E-01	6.7E-01	1.0E-10	3.4E-01	1.7E-07	1.0E-03	6.1E-11	1.6E-01	6.7E-01	6.4E-12
217	6.1E-01	1.6E-06	1.0E-03	1.0E-09	1.6E-01	6.7E-01	1.1E-10	3.3E-01	1.7E-07	1.0E-03	5.8E-11	1.6E-01	6.7E-01	6.1E-12
218	5.9E-01	1.6E-06	1.0E-03	9.8E-10	1.6E-01	6.7E-01	1.0E-10	3.1E-01	1.7E-07	1.0E-03	5.5E-11	1.6E-01	6.7E-01	5.8E-12
219	5.6E-01	1.6E-06	1.0E-03	9.3E-10	1.6E-01	6.7E-01	9.8E-11	2.9E-01	1.7E-07	1.0E-03	5.2E-11	1.6E-01	6.7E-01	5.4E-12
220	5.3E-01	1.6E-06	1.0E-03	8.8E-10	1.6E-01	6.7E-01	9.2E-11	2.7E-01	1.7E-07	1.0E-03	4.8E-11	1.6E-01	6.7E-01	5.1E-12
221	4.8E-01	1.6E-06	1.0E-03	8.0E-10	1.6E-01	6.7E-01	8.4E-11	2.5E-01	1.7E-07	1.0E-03	4.5E-11	1.6E-01	6.7E-01	4.7E-12
222	4.1E-01	1.6E-06	1.0E-03	6.9E-10	1.6E-01	6.7E-01	7.2E-11	2.2E-01	1.7E-07	1.0E-03	4.0E-11	1.6E-01	6.7E-01	4.2E-12
223	3.7E-01	1.6E-06	1.0E-03	6.1E-10	1.6E-01	6.7E-01	6.5E-11	2.0E-01	1.7E-07	1.0E-03	3.6E-11	1.6E-01	6.7E-01	3.8E-12
224	3.5E-01	1.6E-06	1.0E-03	5.8E-10	1.6E-01	6.7E-01	6.0E-11	1.9E-01	1.7E-07	1.0E-03	3.4E-11	1.6E-01	6.7E-01	3.6E-12
225	2.4E-01	1.6E-06	1.0E-03	4.0E-10	1.6E-01	6.7E-01	4.2E-11	2.7E-01	1.7E-07	1.0E-03	4.8E-11	1.6E-01	6.7E-01	5.1E-12
226	2.7E-01	1.6E-06	1.0E-03	4.5E-10	1.6E-01	6.7E-01	4.7E-11	2.9E-01	1.7E-07	1.0E-03	5.1E-11	1.6E-01	6.7E-01	5.4E-12
227	3.1E-01	1.6E-06	1.0E-03	5.1E-10	1.6E-01	6.7E-01	5.4E-11	3.0E-01	1.7E-07	1.0E-03	5.3E-11	1.6E-01	6.7E-01	5.6E-12
228	3.5E-01	1.6E-06	1.0E-03	5.8E-10	1.6E-01	6.7E-01	6.1E-11	3.1E-01	1.7E-07	1.0E-03	5.5E-11	1.6E-01	6.7E-01	5.7E-12
229	4.0E-01	1.6E-06	1.0E-03	6.6E-10	1.6E-01	6.7E-01	6.9E-11	3.1E-01	1.7E-07	1.0E-03	5.5E-11	1.6E-01	6.7E-01	5.8E-12
230	4.4E-01	1.6E-06	1.0E-03	7.2E-10	1.6E-01	6.7E-01	7.6E-11	3.1E-01	1.7E-07	1.0E-03	5.5E-11	1.6E-01	6.7E-01	5.8E-12
231	4.7E-01	1.6E-06	1.0E-03	7.8E-10	1.6E-01	6.7E-01	8.2E-11	3.1E-01	1.7E-07	1.0E-03	5.5E-11	1.6E-01	6.7E-01	5.7E-12
232	4.9E-01	1.6E-06	1.0E-03	8.1E-10	1.6E-01	6.7E-01	8.5E-11	3.0E-01	1.7E-07	1.0E-03	5.3E-11	1.6E-01	6.7E-01	5.6E-12
233	5.0E-01	1.6E-06	1.0E-03	8.2E-10	1.6E-01	6.7E-01	8.6E-11	2.9E-01	1.7E-07	1.0E-03	5.1E-11	1.6E-01	6.7E-01	5.4E-12
234	4.9E-01	1.6E-06	1.0E-03	8.1E-10	1.6E-01	6.7E-01	8.5E-11	2.7E-01	1.7E-07	1.0E-03	4.9E-11	1.6E-01	6.7E-01	5.1E-12
235	4.7E-01	1.6E-06	1.0E-03	7.8E-10	1.6E-01	6.7E-01	8.2E-11	2.6E-01	1.7E-07	1.0E-03	4.6E-11	1.6E-01	6.7E-01	4.9E-12
236	4.5E-01	1.6E-06	1.0E-03	7.4E-10	1.6E-01	6.7E-01	7.8E-11	2.4E-01	1.7E-07	1.0E-03	4.4E-11	1.6E-01	6.7E-01	4.6E-12
237	4.2E-01	1.6E-06	1.0E-03	6.9E-10	1.6E-01	6.7E-01	7.3E-11	2.3E-01	1.7E-07	1.0E-03	4.1E-11	1.6E-01	6.7E-01	4.3E-12
238	3.8E-01	1.6E-06	1.0E-03	6.3E-10	1.6E-01	6.7E-01	6.7E-11	2.1E-01	1.7E-07	1.0E-03	3.8E-11	1.6E-01	6.7E-01	4.0E-12
239	3.3E-01	1.6E-06	1.0E-03	5.5E-10	1.6E-01	6.7E-01	5.8E-11	1.9E-01	1.7E-07	1.0E-03	3.3E-11	1.6E-01	6.7E-01	3.5E-12
240	3.0E-01	1.6E-06	1.0E-03	5.0E-10	1.6E-01	6.7E-01	5.2E-11	1.7E-01	1.7E-07	1.0E-03	3.1E-11	1.6E-01	6.7E-01	3.2E-12
241	2.1E-01	1.6E-06	1.0E-03	3.5E-10	1.6E-01	6.7E-01	3.7E-11	2.4E-01	1.7E-07	1.0E-03	4.2E-11	1.6E-01	6.7E-01	4.4E-12
242	2.4E-01	1.6E-06	1.0E-03	4.0E-10	1.6E-01	6.7E-01	4.2E-11	2.5E-01	1.7E-07	1.0E-03	4.4E-11	1.6E-01	6.7E-01	4.7E-12
243	2.7E-01	1.6E-06	1.0E-03	4.5E-10	1.6E-01	6.7E-01	4.7E-11	2.6E-01	1.7E-07	1.0E-03	4.6E-11	1.6E-01	6.7E-01	4.8E-12
244	3.0E-01	1.6E-06	1.0E-03	5.0E-10	1.6E-01	6.7E-01	5.3E-11	2.7E-01	1.7E-07	1.0E-03	4.7E-11	1.6E-01	6.7E-01	5.0E-12
245	3.4E-01	1.6E-06	1.0E-03	5.6E-10	1.6E-01	6.7E-01	5.8E-11	2.7E-01	1.7E-07	1.0E-03	4.8E-11	1.6E-01	6.7E-01	5.0E-12
246	3.7E-01	1.6E-06	1.0E-03	6.1E-10	1.6E-01	6.7E-01	6.4E-11	2.7E-01	1.7E-07	1.0E-03	4.8E-11	1.6E-01	6.7E-01	5.1E-12
247	3.9E-01	1.6E-06	1.0E-03	6.5E-10	1.6E-01	6.7E-01	6.8E-11	2.7E-01	1.7E-07	1.0E-03	4.8E-11	1.6E-01	6.7E-01	5.0E-12
248	4.1E-01	1.6E-06	1.0E-03	6.7E-10	1.6E-01	6.7E-01	7.1E-11	2.6E-01	1.7E-07	1.0E-03	4.7E-11	1.6E-01	6.7E-01	4.9E-12
249	4.1E-01	1.6E-06	1.0E-03	6.8E-10	1.6E-01	6.7E-01	7.2E-11	2.5E-01	1.7E-07	1.0E-03	4.5E-11	1.6E-01	6.7E-01	4.8E-12
250	4.1E-01	1.6E-06	1.0E-03	6.8E-10	1.6E-01	6.7E-01	7.1E-11	2.4E-01	1.7E-07	1.0E-03	4.4E-11	1.6E-01	6.7E-01	4.6E-12
251	4.0E-01	1.6E-06	1.0E-03	6.6E-10	1.6E-01	6.7E-01	7.0E-11	2.3E-01	1.7E-07	1.0E-03	4.2E-11	1.6E-01	6.7E-01	4.4E-12
252	3.8E-01	1.6E-06	1.0E-03	6.4E-10	1.6E-01	6.7E-01	6.7E-11	2.2E-01	1.7E-07	1.0E-03	3.9E-11	1.6E-01	6.7E-01	4.1E-12
253	3.6E-01	1.6E-06	1.0E-03	6.0E-10	1.6E-01	6.7E-01	6.3E-11	2.1E-01	1.7E-07	1.0E-03	3.7E-11	1.6E-01	6.7E-01	3.9E-12
254	3.4E-01	1.6E-06	1.0E-03	5.6E-10	1.6E-01	6.7E-01	5.9E-11	1.9E-01	1.7E-07	1.0E-03	3.5E-11	1.6E-01	6.7E-01	3.6E-12
255	3.1E-01	1.6E-06	1.0E-03	5.1E-10	1.6E-01	6.7E-01	5.4E-11	1.8E-01	1.7E-07	1.0E-03	3.2E-11	1.6E-01	6.7E-01	3.4E-12
256	2.7E-01	1.6E-06	1.0E-03	4.5E-10	1.6E-01	6.7E-01	4.7E-11	1.6E-01	1.7E-07	1.0E-03	2.9E-11	1.6E-01	6.7E-01	3.0E-12
257	1.9E-01	1.6E-06	1.0E-03	3.2E-10	1.6E-01	6.7E-01	3.3E-11	2.1E-01	1.7E-07	1.0E-03	3.7E-11	1.6E-01	6.7E-01	3.9E-12
258	2.1E-01	1.6E-06	1.0E-03	3.5E-10	1.6E-01	6.7E-01	3.7E-11	2.2E-01	1.7E-07	1.0E-03	3.9E-11	1.6E-01	6.7E-01	4.1E-12

Franklin School Project

Risk From Modernization Const - Unmitigated Residential

	Haul Route 1A							Haul Route 2A						
Receptor #	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
259	2.4E-01	1.6E-06	1.0E-03	3.9E-10	1.6E-01	6.7E-01	4.1E-11	2.3E-01	1.7E-07	1.0E-03	4.0E-11	1.6E-01	6.7E-01	4.3E-12
260	2.6E-01	1.6E-06	1.0E-03	4.4E-10	1.6E-01	6.7E-01	4.6E-11	2.3E-01	1.7E-07	1.0E-03	4.2E-11	1.6E-01	6.7E-01	4.4E-12
261	2.9E-01	1.6E-06	1.0E-03	4.8E-10	1.6E-01	6.7E-01	5.0E-11	2.4E-01	1.7E-07	1.0E-03	4.2E-11	1.6E-01	6.7E-01	4.4E-12
262	3.1E-01	1.6E-06	1.0E-03	5.2E-10	1.6E-01	6.7E-01	5.4E-11	2.4E-01	1.7E-07	1.0E-03	4.2E-11	1.6E-01	6.7E-01	4.4E-12
263	3.3E-01	1.6E-06	1.0E-03	5.5E-10	1.6E-01	6.7E-01	5.7E-11	2.4E-01	1.7E-07	1.0E-03	4.2E-11	1.6E-01	6.7E-01	4.4E-12
264	3.4E-01	1.6E-06	1.0E-03	5.7E-10	1.6E-01	6.7E-01	6.0E-11	2.3E-01	1.7E-07	1.0E-03	4.1E-11	1.6E-01	6.7E-01	4.3E-12
265	3.5E-01	1.6E-06	1.0E-03	5.8E-10	1.6E-01	6.7E-01	6.1E-11	2.3E-01	1.7E-07	1.0E-03	4.0E-11	1.6E-01	6.7E-01	4.2E-12
266	3.5E-01	1.6E-06	1.0E-03	5.8E-10	1.6E-01	6.7E-01	6.1E-11	2.2E-01	1.7E-07	1.0E-03	3.9E-11	1.6E-01	6.7E-01	4.1E-12
267	3.4E-01	1.6E-06	1.0E-03	5.7E-10	1.6E-01	6.7E-01	5.9E-11	2.1E-01	1.7E-07	1.0E-03	3.7E-11	1.6E-01	6.7E-01	3.9E-12
268	3.3E-01	1.6E-06	1.0E-03	5.5E-10	1.6E-01	6.7E-01	5.8E-11	2.0E-01	1.7E-07	1.0E-03	3.6E-11	1.6E-01	6.7E-01	3.7E-12
269	3.2E-01	1.6E-06	1.0E-03	5.2E-10	1.6E-01	6.7E-01	5.5E-11	1.9E-01	1.7E-07	1.0E-03	3.4E-11	1.6E-01	6.7E-01	3.6E-12
270	3.0E-01	1.6E-06	1.0E-03	5.0E-10	1.6E-01	6.7E-01	5.2E-11	1.8E-01	1.7E-07	1.0E-03	3.2E-11	1.6E-01	6.7E-01	3.4E-12
271	2.8E-01	1.6E-06	1.0E-03	4.6E-10	1.6E-01	6.7E-01	4.8E-11	1.7E-01	1.7E-07	1.0E-03	3.0E-11	1.6E-01	6.7E-01	3.1E-12
272	2.5E-01	1.6E-06	1.0E-03	4.1E-10	1.6E-01	6.7E-01	4.3E-11	1.5E-01	1.7E-07	1.0E-03	2.7E-11	1.6E-01	6.7E-01	2.8E-12
273	1.7E+01	1.6E-06	1.0E-03	2.8E-08	1.6E-01	6.7E-01	3.0E-09	2.2E+00	1.7E-07	1.0E-03	3.9E-10	1.6E-01	6.7E-01	4.1E-11
274	2.4E+01	1.6E-06	1.0E-03	3.9E-08	1.6E-01	6.7E-01	4.1E-09	2.2E+00	1.7E-07	1.0E-03	3.8E-10	1.6E-01	6.7E-01	4.0E-11
275	3.4E+01	1.6E-06	1.0E-03	5.7E-08	1.6E-01	6.7E-01	5.9E-09	2.1E+00	1.7E-07	1.0E-03	3.8E-10	1.6E-01	6.7E-01	3.9E-11
276	3.2E+01	1.6E-06	1.0E-03	5.3E-08	1.6E-01	6.7E-01	5.6E-09	2.1E+00	1.7E-07	1.0E-03	3.7E-10	1.6E-01	6.7E-01	3.8E-11
277	2.1E+01	1.6E-06	1.0E-03	3.5E-08	1.6E-01	6.7E-01	3.6E-09	2.0E+00	1.7E-07	1.0E-03	3.6E-10	1.6E-01	6.7E-01	3.7E-11
278	2.3E+01	1.6E-06	1.0E-03	3.8E-08	1.6E-01	6.7E-01	4.0E-09	1.9E+00	1.7E-07	1.0E-03	3.5E-10	1.6E-01	6.7E-01	3.6E-11
279	2.2E+01	1.6E-06	1.0E-03	3.6E-08	1.6E-01	6.7E-01	3.8E-09	1.9E+00	1.7E-07	1.0E-03	3.3E-10	1.6E-01	6.7E-01	3.5E-11
280	3.3E+01	1.6E-06	1.0E-03	5.5E-08	1.6E-01	6.7E-01	5.8E-09	1.8E+00	1.7E-07	1.0E-03	3.2E-10	1.6E-01	6.7E-01	3.4E-11
281	3.7E+01	1.6E-06	1.0E-03	6.2E-08	1.6E-01	6.7E-01	6.5E-09	1.7E+00	1.7E-07	1.0E-03	3.1E-10	1.6E-01	6.7E-01	3.3E-11
282	2.8E+01	1.6E-06	1.0E-03	4.6E-08	1.6E-01	6.7E-01	4.8E-09	1.7E+00	1.7E-07	1.0E-03	3.0E-10	1.6E-01	6.7E-01	3.1E-11
283	2.2E+01	1.6E-06	1.0E-03	3.6E-08	1.6E-01	6.7E-01	3.8E-09	1.6E+00	1.7E-07	1.0E-03	2.9E-10	1.6E-01	6.7E-01	3.0E-11
284	1.8E+01	1.6E-06	1.0E-03	2.9E-08	1.6E-01	6.7E-01	3.1E-09	1.5E+00	1.7E-07	1.0E-03	2.8E-10	1.6E-01	6.7E-01	2.9E-11
285	1.5E+01	1.6E-06	1.0E-03	2.5E-08	1.6E-01	6.7E-01	2.6E-09	1.5E+00	1.7E-07	1.0E-03	2.6E-10	1.6E-01	6.7E-01	2.8E-11
286	1.3E+01	1.6E-06	1.0E-03	2.1E-08	1.6E-01	6.7E-01	2.2E-09	1.4E+00	1.7E-07	1.0E-03	2.5E-10	1.6E-01	6.7E-01	2.6E-11
287	1.1E+01	1.6E-06	1.0E-03	1.8E-08	1.6E-01	6.7E-01	1.9E-09	1.3E+00	1.7E-07	1.0E-03	2.4E-10	1.6E-01	6.7E-01	2.5E-11
288	9.3E+00	1.6E-06	1.0E-03	1.5E-08	1.6E-01	6.7E-01	1.6E-09	1.3E+00	1.7E-07	1.0E-03	2.3E-10	1.6E-01	6.7E-01	2.4E-11
289	8.2E+00	1.6E-06	1.0E-03	1.4E-08	1.6E-01	6.7E-01	1.4E-09	1.2E+00	1.7E-07	1.0E-03	2.2E-10	1.6E-01	6.7E-01	2.3E-11
290	7.2E+00	1.6E-06	1.0E-03	1.2E-08	1.6E-01	6.7E-01	1.3E-09	1.2E+00	1.7E-07	1.0E-03	2.1E-10	1.6E-01	6.7E-01	2.2E-11
291	6.4E+00	1.6E-06	1.0E-03	1.1E-08	1.6E-01	6.7E-01	1.1E-09	1.1E+00	1.7E-07	1.0E-03	2.0E-10	1.6E-01	6.7E-01	2.1E-11
292	5.7E+00	1.6E-06	1.0E-03	9.4E-09	1.6E-01	6.7E-01	9.9E-10	1.1E+00	1.7E-07	1.0E-03	1.9E-10	1.6E-01	6.7E-01	2.0E-11
293	5.1E+00	1.6E-06	1.0E-03	8.5E-09	1.6E-01	6.7E-01	8.9E-10	1.0E+00	1.7E-07	1.0E-03	1.8E-10	1.6E-01	6.7E-01	1.9E-11
294	4.6E+00	1.6E-06	1.0E-03	7.6E-09	1.6E-01	6.7E-01	8.0E-10	9.5E-01	1.7E-07	1.0E-03	1.7E-10	1.6E-01	6.7E-01	1.8E-11
295	4.2E+00	1.6E-06	1.0E-03	6.9E-09	1.6E-01	6.7E-01	7.2E-10	9.1E-01	1.7E-07	1.0E-03	1.6E-10	1.6E-01	6.7E-01	1.7E-11
296	3.8E+00	1.6E-06	1.0E-03	6.3E-09	1.6E-01	6.7E-01	6.6E-10	8.7E-01	1.7E-07	1.0E-03	1.5E-10	1.6E-01	6.7E-01	1.6E-11
297	3.5E+00	1.6E-06	1.0E-03	5.7E-09	1.6E-01	6.7E-01	6.0E-10	8.3E-01	1.7E-07	1.0E-03	1.5E-10	1.6E-01	6.7E-01	1.5E-11
298	3.2E+00	1.6E-06	1.0E-03	5.3E-09	1.6E-01	6.7E-01	5.5E-10	7.9E-01	1.7E-07	1.0E-03	1.4E-10	1.6E-01	6.7E-01	1.5E-11
299	1.6E+01	1.6E-06	1.0E-03	2.7E-08	1.6E-01	6.7E-01	2.8E-09	2.0E+00	1.7E-07	1.0E-03	3.6E-10	1.6E-01	6.7E-01	3.8E-11
300	2.2E+01	1.6E-06	1.0E-03	3.7E-08	1.6E-01	6.7E-01	3.9E-09	2.0E+00	1.7E-07	1.0E-03	3.6E-10	1.6E-01	6.7E-01	3.8E-11
301	3.2E+01	1.6E-06	1.0E-03	5.4E-08	1.6E-01	6.7E-01	5.7E-09	2.0E+00	1.7E-07	1.0E-03	3.5E-10	1.6E-01	6.7E-01	3.7E-11

Franklin School Project

Risk From Modernization Const - Unmitigated Residential

	Haul Route 1A							Haul Route 2A						
Receptor #	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
302	2.9E+01	1.6E-06	1.0E-03	4.7E-08	1.6E-01	6.7E-01	5.0E-09	1.9E+00	1.7E-07	1.0E-03	3.4E-10	1.6E-01	6.7E-01	3.6E-11
303	2.0E+01	1.6E-06	1.0E-03	3.3E-08	1.6E-01	6.7E-01	3.5E-09	1.9E+00	1.7E-07	1.0E-03	3.3E-10	1.6E-01	6.7E-01	3.5E-11
304	2.2E+01	1.6E-06	1.0E-03	3.6E-08	1.6E-01	6.7E-01	3.8E-09	1.8E+00	1.7E-07	1.0E-03	3.2E-10	1.6E-01	6.7E-01	3.4E-11
305	2.0E+01	1.6E-06	1.0E-03	3.3E-08	1.6E-01	6.7E-01	3.5E-09	1.8E+00	1.7E-07	1.0E-03	3.1E-10	1.6E-01	6.7E-01	3.3E-11
306	3.0E+01	1.6E-06	1.0E-03	5.0E-08	1.6E-01	6.7E-01	5.3E-09	1.7E+00	1.7E-07	1.0E-03	3.0E-10	1.6E-01	6.7E-01	3.2E-11
307	3.5E+01	1.6E-06	1.0E-03	5.8E-08	1.6E-01	6.7E-01	6.1E-09	1.6E+00	1.7E-07	1.0E-03	2.9E-10	1.6E-01	6.7E-01	3.1E-11
308	2.6E+01	1.6E-06	1.0E-03	4.3E-08	1.6E-01	6.7E-01	4.5E-09	1.6E+00	1.7E-07	1.0E-03	2.8E-10	1.6E-01	6.7E-01	3.0E-11
309	2.0E+01	1.6E-06	1.0E-03	3.4E-08	1.6E-01	6.7E-01	3.5E-09	1.5E+00	1.7E-07	1.0E-03	2.7E-10	1.6E-01	6.7E-01	2.9E-11
310	1.7E+01	1.6E-06	1.0E-03	2.7E-08	1.6E-01	6.7E-01	2.9E-09	1.5E+00	1.7E-07	1.0E-03	2.6E-10	1.6E-01	6.7E-01	2.7E-11
311	1.4E+01	1.6E-06	1.0E-03	2.3E-08	1.6E-01	6.7E-01	2.4E-09	1.4E+00	1.7E-07	1.0E-03	2.5E-10	1.6E-01	6.7E-01	2.6E-11
312	1.2E+01	1.6E-06	1.0E-03	1.9E-08	1.6E-01	6.7E-01	2.0E-09	1.3E+00	1.7E-07	1.0E-03	2.4E-10	1.6E-01	6.7E-01	2.5E-11
313	1.0E+01	1.6E-06	1.0E-03	1.7E-08	1.6E-01	6.7E-01	1.8E-09	1.3E+00	1.7E-07	1.0E-03	2.3E-10	1.6E-01	6.7E-01	2.4E-11
314	8.8E+00	1.6E-06	1.0E-03	1.5E-08	1.6E-01	6.7E-01	1.5E-09	1.2E+00	1.7E-07	1.0E-03	2.2E-10	1.6E-01	6.7E-01	2.3E-11
315	7.7E+00	1.6E-06	1.0E-03	1.3E-08	1.6E-01	6.7E-01	1.3E-09	1.2E+00	1.7E-07	1.0E-03	2.1E-10	1.6E-01	6.7E-01	2.2E-11
316	6.8E+00	1.6E-06	1.0E-03	1.1E-08	1.6E-01	6.7E-01	1.2E-09	1.1E+00	1.7E-07	1.0E-03	2.0E-10	1.6E-01	6.7E-01	2.1E-11
317	6.0E+00	1.6E-06	1.0E-03	1.0E-08	1.6E-01	6.7E-01	1.1E-09	1.1E+00	1.7E-07	1.0E-03	1.9E-10	1.6E-01	6.7E-01	2.0E-11
318	5.4E+00	1.6E-06	1.0E-03	8.9E-09	1.6E-01	6.7E-01	9.4E-10	1.0E+00	1.7E-07	1.0E-03	1.8E-10	1.6E-01	6.7E-01	1.9E-11
319	4.8E+00	1.6E-06	1.0E-03	8.0E-09	1.6E-01	6.7E-01	8.4E-10	9.7E-01	1.7E-07	1.0E-03	1.7E-10	1.6E-01	6.7E-01	1.8E-11
320	4.4E+00	1.6E-06	1.0E-03	7.2E-09	1.6E-01	6.7E-01	7.6E-10	9.2E-01	1.7E-07	1.0E-03	1.6E-10	1.6E-01	6.7E-01	1.7E-11
321	4.0E+00	1.6E-06	1.0E-03	6.6E-09	1.6E-01	6.7E-01	6.9E-10	8.8E-01	1.7E-07	1.0E-03	1.6E-10	1.6E-01	6.7E-01	1.7E-11
322	3.6E+00	1.6E-06	1.0E-03	6.0E-09	1.6E-01	6.7E-01	6.3E-10	8.4E-01	1.7E-07	1.0E-03	1.5E-10	1.6E-01	6.7E-01	1.6E-11
323	3.3E+00	1.6E-06	1.0E-03	5.5E-09	1.6E-01	6.7E-01	5.8E-10	8.0E-01	1.7E-07	1.0E-03	1.4E-10	1.6E-01	6.7E-01	1.5E-11
324	3.0E+00	1.6E-06	1.0E-03	5.0E-09	1.6E-01	6.7E-01	5.3E-10	7.7E-01	1.7E-07	1.0E-03	1.4E-10	1.6E-01	6.7E-01	1.4E-11
325	1.5E+01	1.6E-06	1.0E-03	2.5E-08	1.6E-01	6.7E-01	2.6E-09	1.9E+00	1.7E-07	1.0E-03	3.4E-10	1.6E-01	6.7E-01	3.6E-11
326	2.1E+01	1.6E-06	1.0E-03	3.4E-08	1.6E-01	6.7E-01	3.6E-09	1.9E+00	1.7E-07	1.0E-03	3.3E-10	1.6E-01	6.7E-01	3.5E-11
327	3.0E+01	1.6E-06	1.0E-03	5.0E-08	1.6E-01	6.7E-01	5.2E-09	1.8E+00	1.7E-07	1.0E-03	3.3E-10	1.6E-01	6.7E-01	3.4E-11
328	1.2E+01	1.6E-06	1.0E-03	2.0E-08	1.6E-01	6.7E-01	2.1E-09	1.8E+00	1.7E-07	1.0E-03	3.2E-10	1.6E-01	6.7E-01	3.4E-11
329	1.3E+01	1.6E-06	1.0E-03	2.2E-08	1.6E-01	6.7E-01	2.3E-09	1.7E+00	1.7E-07	1.0E-03	3.1E-10	1.6E-01	6.7E-01	3.3E-11
330	1.4E+01	1.6E-06	1.0E-03	2.3E-08	1.6E-01	6.7E-01	2.4E-09	1.7E+00	1.7E-07	1.0E-03	3.0E-10	1.6E-01	6.7E-01	3.2E-11
331	1.3E+01	1.6E-06	1.0E-03	2.2E-08	1.6E-01	6.7E-01	2.3E-09	1.7E+00	1.7E-07	1.0E-03	2.9E-10	1.6E-01	6.7E-01	3.1E-11
332	1.2E+01	1.6E-06	1.0E-03	2.0E-08	1.6E-01	6.7E-01	2.1E-09	1.6E+00	1.7E-07	1.0E-03	2.9E-10	1.6E-01	6.7E-01	3.0E-11
333	3.2E+01	1.6E-06	1.0E-03	5.3E-08	1.6E-01	6.7E-01	5.6E-09	1.6E+00	1.7E-07	1.0E-03	2.8E-10	1.6E-01	6.7E-01	2.9E-11
334	2.4E+01	1.6E-06	1.0E-03	3.9E-08	1.6E-01	6.7E-01	4.1E-09	1.5E+00	1.7E-07	1.0E-03	2.7E-10	1.6E-01	6.7E-01	2.8E-11
335	1.8E+01	1.6E-06	1.0E-03	3.1E-08	1.6E-01	6.7E-01	3.2E-09	1.4E+00	1.7E-07	1.0E-03	2.6E-10	1.6E-01	6.7E-01	2.7E-11
336	1.5E+01	1.6E-06	1.0E-03	2.5E-08	1.6E-01	6.7E-01	2.6E-09	1.4E+00	1.7E-07	1.0E-03	2.5E-10	1.6E-01	6.7E-01	2.6E-11
337	1.3E+01	1.6E-06	1.0E-03	2.1E-08	1.6E-01	6.7E-01	2.2E-09	1.3E+00	1.7E-07	1.0E-03	2.4E-10	1.6E-01	6.7E-01	2.5E-11
338	1.1E+01	1.6E-06	1.0E-03	1.8E-08	1.6E-01	6.7E-01	1.9E-09	1.3E+00	1.7E-07	1.0E-03	2.3E-10	1.6E-01	6.7E-01	2.4E-11
339	9.3E+00	1.6E-06	1.0E-03	1.5E-08	1.6E-01	6.7E-01	1.6E-09	1.2E+00	1.7E-07	1.0E-03	2.2E-10	1.6E-01	6.7E-01	2.3E-11
340	8.2E+00	1.6E-06	1.0E-03	1.4E-08	1.6E-01	6.7E-01	1.4E-09	1.2E+00	1.7E-07	1.0E-03	2.1E-10	1.6E-01	6.7E-01	2.2E-11
341	7.2E+00	1.6E-06	1.0E-03	1.2E-08	1.6E-01	6.7E-01	1.3E-09	1.1E+00	1.7E-07	1.0E-03	2.0E-10	1.6E-01	6.7E-01	2.1E-11
342	6.4E+00	1.6E-06	1.0E-03	1.1E-08	1.6E-01	6.7E-01	1.1E-09	1.1E+00	1.7E-07	1.0E-03	1.9E-10	1.6E-01	6.7E-01	2.0E-11
343	5.7E+00	1.6E-06	1.0E-03	9.4E-09	1.6E-01	6.7E-01	9.9E-10	1.0E+00	1.7E-07	1.0E-03	1.8E-10	1.6E-01	6.7E-01	1.9E-11
344	5.1E+00	1.6E-06	1.0E-03	8.4E-09	1.6E-01	6.7E-01	8.9E-10	9.8E-01	1.7E-07	1.0E-03	1.8E-10	1.6E-01	6.7E-01	1.8E-11

Franklin School Project

Risk From Modernization Const - Unmitigated Residential

	Haul Route 1A							Haul Route 2A						
Receptor #	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
345	4.6E+00	1.6E-06	1.0E-03	7.6E-09	1.6E-01	6.7E-01	8.0E-10	9.4E-01	1.7E-07	1.0E-03	1.7E-10	1.6E-01	6.7E-01	1.8E-11
346	4.1E+00	1.6E-06	1.0E-03	6.9E-09	1.6E-01	6.7E-01	7.2E-10	9.0E-01	1.7E-07	1.0E-03	1.6E-10	1.6E-01	6.7E-01	1.7E-11
347	3.8E+00	1.6E-06	1.0E-03	6.3E-09	1.6E-01	6.7E-01	6.6E-10	8.6E-01	1.7E-07	1.0E-03	1.5E-10	1.6E-01	6.7E-01	1.6E-11
348	3.5E+00	1.6E-06	1.0E-03	5.7E-09	1.6E-01	6.7E-01	6.0E-10	8.2E-01	1.7E-07	1.0E-03	1.5E-10	1.6E-01	6.7E-01	1.5E-11
349	3.2E+00	1.6E-06	1.0E-03	5.2E-09	1.6E-01	6.7E-01	5.5E-10	7.8E-01	1.7E-07	1.0E-03	1.4E-10	1.6E-01	6.7E-01	1.5E-11
350	2.9E+00	1.6E-06	1.0E-03	4.8E-09	1.6E-01	6.7E-01	5.1E-10	7.5E-01	1.7E-07	1.0E-03	1.3E-10	1.6E-01	6.7E-01	1.4E-11
351	1.4E+01	1.6E-06	1.0E-03	2.3E-08	1.6E-01	6.7E-01	2.4E-09	1.8E+00	1.7E-07	1.0E-03	3.2E-10	1.6E-01	6.7E-01	3.3E-11
352	1.9E+01	1.6E-06	1.0E-03	3.1E-08	1.6E-01	6.7E-01	3.2E-09	1.8E+00	1.7E-07	1.0E-03	3.1E-10	1.6E-01	6.7E-01	3.3E-11
353	2.7E+01	1.6E-06	1.0E-03	4.4E-08	1.6E-01	6.7E-01	4.7E-09	1.7E+00	1.7E-07	1.0E-03	3.1E-10	1.6E-01	6.7E-01	3.2E-11
354	2.0E+01	1.6E-06	1.0E-03	3.3E-08	1.6E-01	6.7E-01	3.5E-09	1.7E+00	1.7E-07	1.0E-03	3.0E-10	1.6E-01	6.7E-01	3.1E-11
355	9.6E+00	1.6E-06	1.0E-03	1.6E-08	1.6E-01	6.7E-01	1.7E-09	1.6E+00	1.7E-07	1.0E-03	2.9E-10	1.6E-01	6.7E-01	3.1E-11
356	1.0E+01	1.6E-06	1.0E-03	1.7E-08	1.6E-01	6.7E-01	1.7E-09	1.6E+00	1.7E-07	1.0E-03	2.9E-10	1.6E-01	6.7E-01	3.0E-11
357	9.8E+00	1.6E-06	1.0E-03	1.6E-08	1.6E-01	6.7E-01	1.7E-09	1.6E+00	1.7E-07	1.0E-03	2.8E-10	1.6E-01	6.7E-01	2.9E-11
358	2.0E+01	1.6E-06	1.0E-03	3.3E-08	1.6E-01	6.7E-01	3.5E-09	1.5E+00	1.7E-07	1.0E-03	2.7E-10	1.6E-01	6.7E-01	2.8E-11
359	2.8E+01	1.6E-06	1.0E-03	4.7E-08	1.6E-01	6.7E-01	4.9E-09	1.5E+00	1.7E-07	1.0E-03	2.6E-10	1.6E-01	6.7E-01	2.7E-11
360	2.1E+01	1.6E-06	1.0E-03	3.4E-08	1.6E-01	6.7E-01	3.6E-09	1.4E+00	1.7E-07	1.0E-03	2.5E-10	1.6E-01	6.7E-01	2.7E-11
361	1.6E+01	1.6E-06	1.0E-03	2.7E-08	1.6E-01	6.7E-01	2.9E-09	1.4E+00	1.7E-07	1.0E-03	2.4E-10	1.6E-01	6.7E-01	2.6E-11
362	1.4E+01	1.6E-06	1.0E-03	2.3E-08	1.6E-01	6.7E-01	2.4E-09	1.3E+00	1.7E-07	1.0E-03	2.4E-10	1.6E-01	6.7E-01	2.5E-11
363	1.1E+01	1.6E-06	1.0E-03	1.9E-08	1.6E-01	6.7E-01	2.0E-09	1.3E+00	1.7E-07	1.0E-03	2.3E-10	1.6E-01	6.7E-01	2.4E-11
364	9.9E+00	1.6E-06	1.0E-03	1.6E-08	1.6E-01	6.7E-01	1.7E-09	1.2E+00	1.7E-07	1.0E-03	2.2E-10	1.6E-01	6.7E-01	2.3E-11
365	8.6E+00	1.6E-06	1.0E-03	1.4E-08	1.6E-01	6.7E-01	1.5E-09	1.2E+00	1.7E-07	1.0E-03	2.1E-10	1.6E-01	6.7E-01	2.2E-11
366	7.5E+00	1.6E-06	1.0E-03	1.3E-08	1.6E-01	6.7E-01	1.3E-09	1.1E+00	1.7E-07	1.0E-03	2.0E-10	1.6E-01	6.7E-01	2.1E-11
367	6.7E+00	1.6E-06	1.0E-03	1.1E-08	1.6E-01	6.7E-01	1.2E-09	1.1E+00	1.7E-07	1.0E-03	1.9E-10	1.6E-01	6.7E-01	2.0E-11
368	5.9E+00	1.6E-06	1.0E-03	9.9E-09	1.6E-01	6.7E-01	1.0E-09	1.0E+00	1.7E-07	1.0E-03	1.8E-10	1.6E-01	6.7E-01	1.9E-11
369	5.3E+00	1.6E-06	1.0E-03	8.8E-09	1.6E-01	6.7E-01	9.3E-10	9.9E-01	1.7E-07	1.0E-03	1.8E-10	1.6E-01	6.7E-01	1.9E-11
370	4.8E+00	1.6E-06	1.0E-03	7.9E-09	1.6E-01	6.7E-01	8.3E-10	9.5E-01	1.7E-07	1.0E-03	1.7E-10	1.6E-01	6.7E-01	1.8E-11
371	4.3E+00	1.6E-06	1.0E-03	7.2E-09	1.6E-01	6.7E-01	7.5E-10	9.1E-01	1.7E-07	1.0E-03	1.6E-10	1.6E-01	6.7E-01	1.7E-11
372	3.9E+00	1.6E-06	1.0E-03	6.5E-09	1.6E-01	6.7E-01	6.8E-10	8.7E-01	1.7E-07	1.0E-03	1.5E-10	1.6E-01	6.7E-01	1.6E-11
373	3.6E+00	1.6E-06	1.0E-03	5.9E-09	1.6E-01	6.7E-01	6.2E-10	8.3E-01	1.7E-07	1.0E-03	1.5E-10	1.6E-01	6.7E-01	1.6E-11
374	3.3E+00	1.6E-06	1.0E-03	5.4E-09	1.6E-01	6.7E-01	5.7E-10	7.9E-01	1.7E-07	1.0E-03	1.4E-10	1.6E-01	6.7E-01	1.5E-11
375	3.0E+00	1.6E-06	1.0E-03	5.0E-09	1.6E-01	6.7E-01	5.3E-10	7.6E-01	1.7E-07	1.0E-03	1.4E-10	1.6E-01	6.7E-01	1.4E-11
376	2.8E+00	1.6E-06	1.0E-03	4.6E-09	1.6E-01	6.7E-01	4.8E-10	7.3E-01	1.7E-07	1.0E-03	1.3E-10	1.6E-01	6.7E-01	1.4E-11
377	1.2E+01	1.6E-06	1.0E-03	2.0E-08	1.6E-01	6.7E-01	2.1E-09	1.7E+00	1.7E-07	1.0E-03	3.0E-10	1.6E-01	6.7E-01	3.1E-11
378	1.6E+01	1.6E-06	1.0E-03	2.6E-08	1.6E-01	6.7E-01	2.8E-09	1.6E+00	1.7E-07	1.0E-03	2.9E-10	1.6E-01	6.7E-01	3.1E-11
379	2.2E+01	1.6E-06	1.0E-03	3.7E-08	1.6E-01	6.7E-01	3.9E-09	1.6E+00	1.7E-07	1.0E-03	2.9E-10	1.6E-01	6.7E-01	3.0E-11
380	1.4E+01	1.6E-06	1.0E-03	2.3E-08	1.6E-01	6.7E-01	2.4E-09	1.6E+00	1.7E-07	1.0E-03	2.8E-10	1.6E-01	6.7E-01	3.0E-11
381	1.6E+01	1.6E-06	1.0E-03	2.7E-08	1.6E-01	6.7E-01	2.8E-09	1.5E+00	1.7E-07	1.0E-03	2.8E-10	1.6E-01	6.7E-01	2.9E-11
382	6.2E+00	1.6E-06	1.0E-03	1.0E-08	1.6E-01	6.7E-01	1.1E-09	1.0E+00	1.7E-07	1.0E-03	1.8E-10	1.6E-01	6.7E-01	1.9E-11
383	5.5E+00	1.6E-06	1.0E-03	9.2E-09	1.6E-01	6.7E-01	9.6E-10	1.0E+00	1.7E-07	1.0E-03	1.8E-10	1.6E-01	6.7E-01	1.9E-11
384	5.0E+00	1.6E-06	1.0E-03	8.2E-09	1.6E-01	6.7E-01	8.7E-10	9.5E-01	1.7E-07	1.0E-03	1.7E-10	1.6E-01	6.7E-01	1.8E-11
385	4.5E+00	1.6E-06	1.0E-03	7.4E-09	1.6E-01	6.7E-01	7.8E-10	9.2E-01	1.7E-07	1.0E-03	1.6E-10	1.6E-01	6.7E-01	1.7E-11
386	4.1E+00	1.6E-06	1.0E-03	6.8E-09	1.6E-01	6.7E-01	7.1E-10	8.8E-01	1.7E-07	1.0E-03	1.6E-10	1.6E-01	6.7E-01	1.6E-11
387	3.7E+00	1.6E-06	1.0E-03	6.2E-09	1.6E-01	6.7E-01	6.5E-10	8.4E-01	1.7E-07	1.0E-03	1.5E-10	1.6E-01	6.7E-01	1.6E-11

Franklin School Project

Risk From Modernization Const - Unmitigated Residential

	Haul Route 1A							Haul Route 2A						
Receptor #	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
388	3.4E+00	1.6E-06	1.0E-03	5.6E-09	1.6E-01	6.7E-01	5.9E-10	8.1E-01	1.7E-07	1.0E-03	1.4E-10	1.6E-01	6.7E-01	1.5E-11
389	3.1E+00	1.6E-06	1.0E-03	5.2E-09	1.6E-01	6.7E-01	5.4E-10	7.7E-01	1.7E-07	1.0E-03	1.4E-10	1.6E-01	6.7E-01	1.4E-11
390	2.9E+00	1.6E-06	1.0E-03	4.8E-09	1.6E-01	6.7E-01	5.0E-10	7.4E-01	1.7E-07	1.0E-03	1.3E-10	1.6E-01	6.7E-01	1.4E-11
391	2.7E+00	1.6E-06	1.0E-03	4.4E-09	1.6E-01	6.7E-01	4.6E-10	7.1E-01	1.7E-07	1.0E-03	1.3E-10	1.6E-01	6.7E-01	1.3E-11
392	1.0E+01	1.6E-06	1.0E-03	1.7E-08	1.6E-01	6.7E-01	1.8E-09	1.6E+00	1.7E-07	1.0E-03	2.8E-10	1.6E-01	6.7E-01	2.9E-11
393	1.3E+01	1.6E-06	1.0E-03	2.2E-08	1.6E-01	6.7E-01	2.3E-09	1.5E+00	1.7E-07	1.0E-03	2.8E-10	1.6E-01	6.7E-01	2.9E-11
394	1.7E+01	1.6E-06	1.0E-03	2.9E-08	1.6E-01	6.7E-01	3.0E-09	1.5E+00	1.7E-07	1.0E-03	2.7E-10	1.6E-01	6.7E-01	2.8E-11
395	2.4E+01	1.6E-06	1.0E-03	4.0E-08	1.6E-01	6.7E-01	4.2E-09	1.5E+00	1.7E-07	1.0E-03	2.7E-10	1.6E-01	6.7E-01	2.8E-11
396	1.1E+01	1.6E-06	1.0E-03	1.9E-08	1.6E-01	6.7E-01	2.0E-09	1.5E+00	1.7E-07	1.0E-03	2.6E-10	1.6E-01	6.7E-01	2.7E-11
397	5.7E+00	1.6E-06	1.0E-03	9.4E-09	1.6E-01	6.7E-01	9.9E-10	1.0E+00	1.7E-07	1.0E-03	1.8E-10	1.6E-01	6.7E-01	1.9E-11
398	5.1E+00	1.6E-06	1.0E-03	8.5E-09	1.6E-01	6.7E-01	8.9E-10	9.6E-01	1.7E-07	1.0E-03	1.7E-10	1.6E-01	6.7E-01	1.8E-11
399	4.6E+00	1.6E-06	1.0E-03	7.7E-09	1.6E-01	6.7E-01	8.1E-10	9.2E-01	1.7E-07	1.0E-03	1.6E-10	1.6E-01	6.7E-01	1.7E-11
400	4.2E+00	1.6E-06	1.0E-03	7.0E-09	1.6E-01	6.7E-01	7.3E-10	8.8E-01	1.7E-07	1.0E-03	1.6E-10	1.6E-01	6.7E-01	1.7E-11
401	3.8E+00	1.6E-06	1.0E-03	6.4E-09	1.6E-01	6.7E-01	6.7E-10	8.5E-01	1.7E-07	1.0E-03	1.5E-10	1.6E-01	6.7E-01	1.6E-11
402	3.5E+00	1.6E-06	1.0E-03	5.8E-09	1.6E-01	6.7E-01	6.1E-10	8.1E-01	1.7E-07	1.0E-03	1.5E-10	1.6E-01	6.7E-01	1.5E-11
403	3.2E+00	1.6E-06	1.0E-03	5.3E-09	1.6E-01	6.7E-01	5.6E-10	7.8E-01	1.7E-07	1.0E-03	1.4E-10	1.6E-01	6.7E-01	1.5E-11
404	3.0E+00	1.6E-06	1.0E-03	4.9E-09	1.6E-01	6.7E-01	5.2E-10	7.5E-01	1.7E-07	1.0E-03	1.3E-10	1.6E-01	6.7E-01	1.4E-11
405	2.7E+00	1.6E-06	1.0E-03	4.5E-09	1.6E-01	6.7E-01	4.8E-10	7.2E-01	1.7E-07	1.0E-03	1.3E-10	1.6E-01	6.7E-01	1.3E-11
406	2.5E+00	1.6E-06	1.0E-03	4.2E-09	1.6E-01	6.7E-01	4.4E-10	6.9E-01	1.7E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.3E-11
407	8.7E+00	1.6E-06	1.0E-03	1.4E-08	1.6E-01	6.7E-01	1.5E-09	1.5E+00	1.7E-07	1.0E-03	2.6E-10	1.6E-01	6.7E-01	2.8E-11
408	1.1E+01	1.6E-06	1.0E-03	1.8E-08	1.6E-01	6.7E-01	1.9E-09	1.5E+00	1.7E-07	1.0E-03	2.6E-10	1.6E-01	6.7E-01	2.7E-11
409	1.3E+01	1.6E-06	1.0E-03	2.2E-08	1.6E-01	6.7E-01	2.3E-09	1.4E+00	1.7E-07	1.0E-03	2.6E-10	1.6E-01	6.7E-01	2.7E-11
410	1.6E+01	1.6E-06	1.0E-03	2.7E-08	1.6E-01	6.7E-01	2.9E-09	1.4E+00	1.7E-07	1.0E-03	2.5E-10	1.6E-01	6.7E-01	2.6E-11
411	2.0E+01	1.6E-06	1.0E-03	3.2E-08	1.6E-01	6.7E-01	3.4E-09	1.4E+00	1.7E-07	1.0E-03	2.5E-10	1.6E-01	6.7E-01	2.6E-11
412	5.2E+00	1.6E-06	1.0E-03	8.7E-09	1.6E-01	6.7E-01	9.1E-10	9.6E-01	1.7E-07	1.0E-03	1.7E-10	1.6E-01	6.7E-01	1.8E-11
413	4.7E+00	1.6E-06	1.0E-03	7.9E-09	1.6E-01	6.7E-01	8.3E-10	9.2E-01	1.7E-07	1.0E-03	1.6E-10	1.6E-01	6.7E-01	1.7E-11
414	4.3E+00	1.6E-06	1.0E-03	7.1E-09	1.6E-01	6.7E-01	7.5E-10	8.9E-01	1.7E-07	1.0E-03	1.6E-10	1.6E-01	6.7E-01	1.7E-11
415	3.9E+00	1.6E-06	1.0E-03	6.5E-09	1.6E-01	6.7E-01	6.9E-10	8.5E-01	1.7E-07	1.0E-03	1.5E-10	1.6E-01	6.7E-01	1.6E-11
416	3.6E+00	1.6E-06	1.0E-03	6.0E-09	1.6E-01	6.7E-01	6.3E-10	8.2E-01	1.7E-07	1.0E-03	1.5E-10	1.6E-01	6.7E-01	1.5E-11
417	3.3E+00	1.6E-06	1.0E-03	5.5E-09	1.6E-01	6.7E-01	5.8E-10	7.9E-01	1.7E-07	1.0E-03	1.4E-10	1.6E-01	6.7E-01	1.5E-11
418	3.0E+00	1.6E-06	1.0E-03	5.1E-09	1.6E-01	6.7E-01	5.3E-10	7.6E-01	1.7E-07	1.0E-03	1.4E-10	1.6E-01	6.7E-01	1.4E-11
419	2.8E+00	1.6E-06	1.0E-03	4.7E-09	1.6E-01	6.7E-01	4.9E-10	7.3E-01	1.7E-07	1.0E-03	1.3E-10	1.6E-01	6.7E-01	1.4E-11
420	2.6E+00	1.6E-06	1.0E-03	4.3E-09	1.6E-01	6.7E-01	4.5E-10	7.0E-01	1.7E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.3E-11
421	2.4E+00	1.6E-06	1.0E-03	4.0E-09	1.6E-01	6.7E-01	4.2E-10	6.7E-01	1.7E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.3E-11
422	7.4E+00	1.6E-06	1.0E-03	1.2E-08	1.6E-01	6.7E-01	1.3E-09	1.4E+00	1.7E-07	1.0E-03	2.5E-10	1.6E-01	6.7E-01	2.6E-11
423	8.6E+00	1.6E-06	1.0E-03	1.4E-08	1.6E-01	6.7E-01	1.5E-09	1.4E+00	1.7E-07	1.0E-03	2.5E-10	1.6E-01	6.7E-01	2.6E-11
424	1.0E+01	1.6E-06	1.0E-03	1.7E-08	1.6E-01	6.7E-01	1.8E-09	1.4E+00	1.7E-07	1.0E-03	2.4E-10	1.6E-01	6.7E-01	2.5E-11
425	1.2E+01	1.6E-06	1.0E-03	2.0E-08	1.6E-01	6.7E-01	2.1E-09	1.3E+00	1.7E-07	1.0E-03	2.4E-10	1.6E-01	6.7E-01	2.5E-11
426	1.3E+01	1.6E-06	1.0E-03	2.2E-08	1.6E-01	6.7E-01	2.3E-09	1.3E+00	1.7E-07	1.0E-03	2.3E-10	1.6E-01	6.7E-01	2.4E-11
427	4.8E+00	1.6E-06	1.0E-03	7.9E-09	1.6E-01	6.7E-01	8.3E-10	9.2E-01	1.7E-07	1.0E-03	1.6E-10	1.6E-01	6.7E-01	1.7E-11
428	4.4E+00	1.6E-06	1.0E-03	7.3E-09	1.6E-01	6.7E-01	7.6E-10	8.9E-01	1.7E-07	1.0E-03	1.6E-10	1.6E-01	6.7E-01	1.7E-11
429	4.0E+00	1.6E-06	1.0E-03	6.6E-09	1.6E-01	6.7E-01	7.0E-10	8.6E-01	1.7E-07	1.0E-03	1.5E-10	1.6E-01	6.7E-01	1.6E-11
430	3.7E+00	1.6E-06	1.0E-03	6.1E-09	1.6E-01	6.7E-01	6.4E-10	8.3E-01	1.7E-07	1.0E-03	1.5E-10	1.6E-01	6.7E-01	1.5E-11

Franklin School Project

Risk From Modernization Const - Unmitigated Residential

	Haul Route 1A							Haul Route 2A						
Receptor #	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
431	3.4E+00	1.6E-06	1.0E-03	5.6E-09	1.6E-01	6.7E-01	5.9E-10	8.0E-01	1.7E-07	1.0E-03	1.4E-10	1.6E-01	6.7E-01	1.5E-11
432	3.1E+00	1.6E-06	1.0E-03	5.2E-09	1.6E-01	6.7E-01	5.4E-10	7.7E-01	1.7E-07	1.0E-03	1.4E-10	1.6E-01	6.7E-01	1.4E-11
433	2.9E+00	1.6E-06	1.0E-03	4.8E-09	1.6E-01	6.7E-01	5.0E-10	7.4E-01	1.7E-07	1.0E-03	1.3E-10	1.6E-01	6.7E-01	1.4E-11
434	2.7E+00	1.6E-06	1.0E-03	4.4E-09	1.6E-01	6.7E-01	4.6E-10	7.1E-01	1.7E-07	1.0E-03	1.3E-10	1.6E-01	6.7E-01	1.3E-11
435	2.5E+00	1.6E-06	1.0E-03	4.1E-09	1.6E-01	6.7E-01	4.3E-10	6.8E-01	1.7E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.3E-11
436	2.3E+00	1.6E-06	1.0E-03	3.8E-09	1.6E-01	6.7E-01	4.0E-10	6.6E-01	1.7E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.2E-11
437	6.2E+00	1.6E-06	1.0E-03	1.0E-08	1.6E-01	6.7E-01	1.1E-09	1.3E+00	1.7E-07	1.0E-03	2.4E-10	1.6E-01	6.7E-01	2.5E-11
438	7.0E+00	1.6E-06	1.0E-03	1.2E-08	1.6E-01	6.7E-01	1.2E-09	1.3E+00	1.7E-07	1.0E-03	2.3E-10	1.6E-01	6.7E-01	2.4E-11
439	8.0E+00	1.6E-06	1.0E-03	1.3E-08	1.6E-01	6.7E-01	1.4E-09	1.3E+00	1.7E-07	1.0E-03	2.3E-10	1.6E-01	6.7E-01	2.4E-11
440	8.9E+00	1.6E-06	1.0E-03	1.5E-08	1.6E-01	6.7E-01	1.6E-09	1.3E+00	1.7E-07	1.0E-03	2.2E-10	1.6E-01	6.7E-01	2.4E-11
441	9.7E+00	1.6E-06	1.0E-03	1.6E-08	1.6E-01	6.7E-01	1.7E-09	1.2E+00	1.7E-07	1.0E-03	2.2E-10	1.6E-01	6.7E-01	2.3E-11
442	4.4E+00	1.6E-06	1.0E-03	7.3E-09	1.6E-01	6.7E-01	7.6E-10	8.9E-01	1.7E-07	1.0E-03	1.6E-10	1.6E-01	6.7E-01	1.7E-11
443	4.0E+00	1.6E-06	1.0E-03	6.7E-09	1.6E-01	6.7E-01	7.0E-10	8.6E-01	1.7E-07	1.0E-03	1.5E-10	1.6E-01	6.7E-01	1.6E-11
444	3.7E+00	1.6E-06	1.0E-03	6.2E-09	1.6E-01	6.7E-01	6.5E-10	8.3E-01	1.7E-07	1.0E-03	1.5E-10	1.6E-01	6.7E-01	1.6E-11
445	3.4E+00	1.6E-06	1.0E-03	5.7E-09	1.6E-01	6.7E-01	6.0E-10	8.0E-01	1.7E-07	1.0E-03	1.4E-10	1.6E-01	6.7E-01	1.5E-11
446	3.2E+00	1.6E-06	1.0E-03	5.3E-09	1.6E-01	6.7E-01	5.5E-10	7.7E-01	1.7E-07	1.0E-03	1.4E-10	1.6E-01	6.7E-01	1.4E-11
447	2.9E+00	1.6E-06	1.0E-03	4.9E-09	1.6E-01	6.7E-01	5.1E-10	7.4E-01	1.7E-07	1.0E-03	1.3E-10	1.6E-01	6.7E-01	1.4E-11
448	2.7E+00	1.6E-06	1.0E-03	4.5E-09	1.6E-01	6.7E-01	4.8E-10	7.2E-01	1.7E-07	1.0E-03	1.3E-10	1.6E-01	6.7E-01	1.3E-11
449	2.5E+00	1.6E-06	1.0E-03	4.2E-09	1.6E-01	6.7E-01	4.4E-10	6.9E-01	1.7E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.3E-11
450	2.4E+00	1.6E-06	1.0E-03	3.9E-09	1.6E-01	6.7E-01	4.1E-10	6.6E-01	1.7E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.2E-11
451	2.2E+00	1.6E-06	1.0E-03	3.6E-09	1.6E-01	6.7E-01	3.8E-10	6.4E-01	1.7E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.2E-11
452	5.2E+00	1.6E-06	1.0E-03	8.7E-09	1.6E-01	6.7E-01	9.1E-10	1.2E+00	1.7E-07	1.0E-03	2.2E-10	1.6E-01	6.7E-01	2.3E-11
453	5.9E+00	1.6E-06	1.0E-03	9.7E-09	1.6E-01	6.7E-01	1.0E-09	1.2E+00	1.7E-07	1.0E-03	2.2E-10	1.6E-01	6.7E-01	2.3E-11
454	6.5E+00	1.6E-06	1.0E-03	1.1E-08	1.6E-01	6.7E-01	1.1E-09	1.2E+00	1.7E-07	1.0E-03	2.2E-10	1.6E-01	6.7E-01	2.3E-11
455	7.1E+00	1.6E-06	1.0E-03	1.2E-08	1.6E-01	6.7E-01	1.2E-09	1.2E+00	1.7E-07	1.0E-03	2.1E-10	1.6E-01	6.7E-01	2.2E-11
456	7.6E+00	1.6E-06	1.0E-03	1.3E-08	1.6E-01	6.7E-01	1.3E-09	1.2E+00	1.7E-07	1.0E-03	2.1E-10	1.6E-01	6.7E-01	2.2E-11
457	4.0E+00	1.6E-06	1.0E-03	6.7E-09	1.6E-01	6.7E-01	7.0E-10	8.5E-01	1.7E-07	1.0E-03	1.5E-10	1.6E-01	6.7E-01	1.6E-11
458	3.7E+00	1.6E-06	1.0E-03	6.2E-09	1.6E-01	6.7E-01	6.5E-10	8.3E-01	1.7E-07	1.0E-03	1.5E-10	1.6E-01	6.7E-01	1.5E-11
459	3.5E+00	1.6E-06	1.0E-03	5.7E-09	1.6E-01	6.7E-01	6.0E-10	8.0E-01	1.7E-07	1.0E-03	1.4E-10	1.6E-01	6.7E-01	1.5E-11
460	3.2E+00	1.6E-06	1.0E-03	5.3E-09	1.6E-01	6.7E-01	5.6E-10	7.7E-01	1.7E-07	1.0E-03	1.4E-10	1.6E-01	6.7E-01	1.4E-11
461	3.0E+00	1.6E-06	1.0E-03	4.9E-09	1.6E-01	6.7E-01	5.2E-10	7.5E-01	1.7E-07	1.0E-03	1.3E-10	1.6E-01	6.7E-01	1.4E-11
462	2.8E+00	1.6E-06	1.0E-03	4.6E-09	1.6E-01	6.7E-01	4.8E-10	7.2E-01	1.7E-07	1.0E-03	1.3E-10	1.6E-01	6.7E-01	1.3E-11
463	2.6E+00	1.6E-06	1.0E-03	4.3E-09	1.6E-01	6.7E-01	4.5E-10	7.0E-01	1.7E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.3E-11
464	2.4E+00	1.6E-06	1.0E-03	4.0E-09	1.6E-01	6.7E-01	4.2E-10	6.7E-01	1.7E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.3E-11
465	2.2E+00	1.6E-06	1.0E-03	3.7E-09	1.6E-01	6.7E-01	3.9E-10	6.5E-01	1.7E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.2E-11
466	2.1E+00	1.6E-06	1.0E-03	3.5E-09	1.6E-01	6.7E-01	3.7E-10	6.2E-01	1.7E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.2E-11
467	4.5E+00	1.6E-06	1.0E-03	7.5E-09	1.6E-01	6.7E-01	7.8E-10	1.2E+00	1.7E-07	1.0E-03	2.1E-10	1.6E-01	6.7E-01	2.2E-11
468	4.9E+00	1.6E-06	1.0E-03	8.2E-09	1.6E-01	6.7E-01	8.6E-10	1.2E+00	1.7E-07	1.0E-03	2.1E-10	1.6E-01	6.7E-01	2.2E-11
469	5.4E+00	1.6E-06	1.0E-03	8.9E-09	1.6E-01	6.7E-01	9.4E-10	1.2E+00	1.7E-07	1.0E-03	2.1E-10	1.6E-01	6.7E-01	2.2E-11
470	5.8E+00	1.6E-06	1.0E-03	9.7E-09	1.6E-01	6.7E-01	1.0E-09	1.1E+00	1.7E-07	1.0E-03	2.0E-10	1.6E-01	6.7E-01	2.1E-11
471	6.2E+00	1.6E-06	1.0E-03	1.0E-08	1.6E-01	6.7E-01	1.1E-09	1.1E+00	1.7E-07	1.0E-03	2.0E-10	1.6E-01	6.7E-01	2.1E-11
472	3.7E+00	1.6E-06	1.0E-03	6.1E-09	1.6E-01	6.7E-01	6.4E-10	8.2E-01	1.7E-07	1.0E-03	1.5E-10	1.6E-01	6.7E-01	1.5E-11
473	3.5E+00	1.6E-06	1.0E-03	5.7E-09	1.6E-01	6.7E-01	6.0E-10	8.0E-01	1.7E-07	1.0E-03	1.4E-10	1.6E-01	6.7E-01	1.5E-11

Franklin School Project

Risk From Modernization Const - Unmitigated Residential

	Haul Route 1A							Haul Route 2A						
Receptor #	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
474	3.2E+00	1.6E-06	1.0E-03	5.3E-09	1.6E-01	6.7E-01	5.6E-10	7.7E-01	1.7E-07	1.0E-03	1.4E-10	1.6E-01	6.7E-01	1.4E-11
475	3.0E+00	1.6E-06	1.0E-03	5.0E-09	1.6E-01	6.7E-01	5.2E-10	7.5E-01	1.7E-07	1.0E-03	1.3E-10	1.6E-01	6.7E-01	1.4E-11
476	2.8E+00	1.6E-06	1.0E-03	4.6E-09	1.6E-01	6.7E-01	4.9E-10	7.2E-01	1.7E-07	1.0E-03	1.3E-10	1.6E-01	6.7E-01	1.4E-11
477	2.6E+00	1.6E-06	1.0E-03	4.3E-09	1.6E-01	6.7E-01	4.6E-10	7.0E-01	1.7E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.3E-11
478	2.4E+00	1.6E-06	1.0E-03	4.1E-09	1.6E-01	6.7E-01	4.3E-10	6.8E-01	1.7E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.3E-11
479	2.3E+00	1.6E-06	1.0E-03	3.8E-09	1.6E-01	6.7E-01	4.0E-10	6.5E-01	1.7E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.2E-11
480	2.1E+00	1.6E-06	1.0E-03	3.6E-09	1.6E-01	6.7E-01	3.7E-10	6.3E-01	1.7E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.2E-11
481	2.0E+00	1.6E-06	1.0E-03	3.3E-09	1.6E-01	6.7E-01	3.5E-10	6.1E-01	1.7E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.1E-11
482	3.9E+00	1.6E-06	1.0E-03	6.5E-09	1.6E-01	6.7E-01	6.8E-10	1.1E+00	1.7E-07	1.0E-03	2.0E-10	1.6E-01	6.7E-01	2.1E-11
483	4.2E+00	1.6E-06	1.0E-03	7.0E-09	1.6E-01	6.7E-01	7.4E-10	1.1E+00	1.7E-07	1.0E-03	2.0E-10	1.6E-01	6.7E-01	2.1E-11
484	4.6E+00	1.6E-06	1.0E-03	7.6E-09	1.6E-01	6.7E-01	8.0E-10	1.1E+00	1.7E-07	1.0E-03	2.0E-10	1.6E-01	6.7E-01	2.1E-11
485	4.9E+00	1.6E-06	1.0E-03	8.1E-09	1.6E-01	6.7E-01	8.6E-10	1.1E+00	1.7E-07	1.0E-03	1.9E-10	1.6E-01	6.7E-01	2.0E-11
486	5.2E+00	1.6E-06	1.0E-03	8.6E-09	1.6E-01	6.7E-01	9.0E-10	1.1E+00	1.7E-07	1.0E-03	1.9E-10	1.6E-01	6.7E-01	2.0E-11
487	3.4E+00	1.6E-06	1.0E-03	5.6E-09	1.6E-01	6.7E-01	5.9E-10	7.9E-01	1.7E-07	1.0E-03	1.4E-10	1.6E-01	6.7E-01	1.5E-11
488	3.2E+00	1.6E-06	1.0E-03	5.3E-09	1.6E-01	6.7E-01	5.6E-10	7.7E-01	1.7E-07	1.0E-03	1.4E-10	1.6E-01	6.7E-01	1.4E-11
489	3.0E+00	1.6E-06	1.0E-03	5.0E-09	1.6E-01	6.7E-01	5.2E-10	7.5E-01	1.7E-07	1.0E-03	1.3E-10	1.6E-01	6.7E-01	1.4E-11
490	2.8E+00	1.6E-06	1.0E-03	4.7E-09	1.6E-01	6.7E-01	4.9E-10	7.2E-01	1.7E-07	1.0E-03	1.3E-10	1.6E-01	6.7E-01	1.4E-11
491	2.6E+00	1.6E-06	1.0E-03	4.4E-09	1.6E-01	6.7E-01	4.6E-10	7.0E-01	1.7E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.3E-11
492	2.5E+00	1.6E-06	1.0E-03	4.1E-09	1.6E-01	6.7E-01	4.3E-10	6.8E-01	1.7E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.3E-11
493	2.3E+00	1.6E-06	1.0E-03	3.8E-09	1.6E-01	6.7E-01	4.0E-10	6.6E-01	1.7E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.2E-11
494	2.2E+00	1.6E-06	1.0E-03	3.6E-09	1.6E-01	6.7E-01	3.8E-10	6.3E-01	1.7E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.2E-11
495	2.0E+00	1.6E-06	1.0E-03	3.4E-09	1.6E-01	6.7E-01	3.6E-10	6.1E-01	1.7E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.1E-11
496	1.9E+00	1.6E-06	1.0E-03	3.2E-09	1.6E-01	6.7E-01	3.3E-10	5.9E-01	1.7E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.1E-11
497	3.4E+00	1.6E-06	1.0E-03	5.7E-09	1.6E-01	6.7E-01	6.0E-10	1.1E+00	1.7E-07	1.0E-03	1.9E-10	1.6E-01	6.7E-01	2.0E-11
498	3.7E+00	1.6E-06	1.0E-03	6.1E-09	1.6E-01	6.7E-01	6.5E-10	1.1E+00	1.7E-07	1.0E-03	1.9E-10	1.6E-01	6.7E-01	2.0E-11
499	4.0E+00	1.6E-06	1.0E-03	6.6E-09	1.6E-01	6.7E-01	6.9E-10	1.0E+00	1.7E-07	1.0E-03	1.9E-10	1.6E-01	6.7E-01	2.0E-11
500	4.2E+00	1.6E-06	1.0E-03	7.0E-09	1.6E-01	6.7E-01	7.4E-10	1.0E+00	1.7E-07	1.0E-03	1.8E-10	1.6E-01	6.7E-01	1.9E-11
501	4.4E+00	1.6E-06	1.0E-03	7.3E-09	1.6E-01	6.7E-01	7.7E-10	1.0E+00	1.7E-07	1.0E-03	1.8E-10	1.6E-01	6.7E-01	1.9E-11
502	3.1E+00	1.6E-06	1.0E-03	5.2E-09	1.6E-01	6.7E-01	5.5E-10	7.7E-01	1.7E-07	1.0E-03	1.4E-10	1.6E-01	6.7E-01	1.4E-11
503	3.0E+00	1.6E-06	1.0E-03	4.9E-09	1.6E-01	6.7E-01	5.2E-10	7.4E-01	1.7E-07	1.0E-03	1.3E-10	1.6E-01	6.7E-01	1.4E-11
504	2.8E+00	1.6E-06	1.0E-03	4.6E-09	1.6E-01	6.7E-01	4.9E-10	7.2E-01	1.7E-07	1.0E-03	1.3E-10	1.6E-01	6.7E-01	1.4E-11
505	2.6E+00	1.6E-06	1.0E-03	4.4E-09	1.6E-01	6.7E-01	4.6E-10	7.0E-01	1.7E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.3E-11
506	2.5E+00	1.6E-06	1.0E-03	4.1E-09	1.6E-01	6.7E-01	4.3E-10	6.8E-01	1.7E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.3E-11
507	2.3E+00	1.6E-06	1.0E-03	3.9E-09	1.6E-01	6.7E-01	4.1E-10	6.6E-01	1.7E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.2E-11
508	2.2E+00	1.6E-06	1.0E-03	3.6E-09	1.6E-01	6.7E-01	3.8E-10	6.4E-01	1.7E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.2E-11
509	2.1E+00	1.6E-06	1.0E-03	3.4E-09	1.6E-01	6.7E-01	3.6E-10	6.2E-01	1.7E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.2E-11
510	1.9E+00	1.6E-06	1.0E-03	3.2E-09	1.6E-01	6.7E-01	3.4E-10	6.0E-01	1.7E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.1E-11
511	1.8E+00	1.6E-06	1.0E-03	3.0E-09	1.6E-01	6.7E-01	3.2E-10	5.8E-01	1.7E-07	1.0E-03	1.0E-10	1.6E-01	6.7E-01	1.1E-11
512	3.0E+00	1.6E-06	1.0E-03	5.1E-09	1.6E-01	6.7E-01	5.3E-10	1.0E+00	1.7E-07	1.0E-03	1.8E-10	1.6E-01	6.7E-01	1.9E-11
513	3.3E+00	1.6E-06	1.0E-03	5.4E-09	1.6E-01	6.7E-01	5.7E-10	1.0E+00	1.7E-07	1.0E-03	1.8E-10	1.6E-01	6.7E-01	1.9E-11
514	3.5E+00	1.6E-06	1.0E-03	5.8E-09	1.6E-01	6.7E-01	6.1E-10	9.9E-01	1.7E-07	1.0E-03	1.8E-10	1.6E-01	6.7E-01	1.9E-11
515	3.7E+00	1.6E-06	1.0E-03	6.1E-09	1.6E-01	6.7E-01	6.4E-10	9.8E-01	1.7E-07	1.0E-03	1.7E-10	1.6E-01	6.7E-01	1.8E-11
516	3.8E+00	1.6E-06	1.0E-03	6.3E-09	1.6E-01	6.7E-01	6.7E-10	9.7E-01	1.7E-07	1.0E-03	1.7E-10	1.6E-01	6.7E-01	1.8E-11

Franklin School Project

Risk From Modernization Const - Unmitigated Residential

	Haul Route 1A							Haul Route 2A						
Receptor #	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
517	2.9E+00	1.6E-06	1.0E-03	4.8E-09	1.6E-01	6.7E-01	5.1E-10	7.4E-01	1.7E-07	1.0E-03	1.3E-10	1.6E-01	6.7E-01	1.4E-11
518	2.8E+00	1.6E-06	1.0E-03	4.6E-09	1.6E-01	6.7E-01	4.8E-10	7.2E-01	1.7E-07	1.0E-03	1.3E-10	1.6E-01	6.7E-01	1.3E-11
519	2.6E+00	1.6E-06	1.0E-03	4.3E-09	1.6E-01	6.7E-01	4.5E-10	7.0E-01	1.7E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.3E-11
520	2.5E+00	1.6E-06	1.0E-03	4.1E-09	1.6E-01	6.7E-01	4.3E-10	6.8E-01	1.7E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.3E-11
521	2.3E+00	1.6E-06	1.0E-03	3.9E-09	1.6E-01	6.7E-01	4.1E-10	6.6E-01	1.7E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.2E-11
522	2.2E+00	1.6E-06	1.0E-03	3.6E-09	1.6E-01	6.7E-01	3.8E-10	6.4E-01	1.7E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.2E-11
523	2.1E+00	1.6E-06	1.0E-03	3.4E-09	1.6E-01	6.7E-01	3.6E-10	6.2E-01	1.7E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.2E-11
524	2.0E+00	1.6E-06	1.0E-03	3.3E-09	1.6E-01	6.7E-01	3.4E-10	6.0E-01	1.7E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.1E-11
525	1.9E+00	1.6E-06	1.0E-03	3.1E-09	1.6E-01	6.7E-01	3.2E-10	5.8E-01	1.7E-07	1.0E-03	1.0E-10	1.6E-01	6.7E-01	1.1E-11
526	1.8E+00	1.6E-06	1.0E-03	2.9E-09	1.6E-01	6.7E-01	3.1E-10	5.6E-01	1.7E-07	1.0E-03	1.0E-10	1.6E-01	6.7E-01	1.1E-11
527	2.7E+00	1.6E-06	1.0E-03	4.5E-09	1.6E-01	6.7E-01	4.8E-10	9.7E-01	1.7E-07	1.0E-03	1.7E-10	1.6E-01	6.7E-01	1.8E-11
528	2.9E+00	1.6E-06	1.0E-03	4.8E-09	1.6E-01	6.7E-01	5.1E-10	9.6E-01	1.7E-07	1.0E-03	1.7E-10	1.6E-01	6.7E-01	1.8E-11
529	3.1E+00	1.6E-06	1.0E-03	5.1E-09	1.6E-01	6.7E-01	5.4E-10	9.5E-01	1.7E-07	1.0E-03	1.7E-10	1.6E-01	6.7E-01	1.8E-11
530	3.2E+00	1.6E-06	1.0E-03	5.4E-09	1.6E-01	6.7E-01	5.6E-10	9.4E-01	1.7E-07	1.0E-03	1.7E-10	1.6E-01	6.7E-01	1.8E-11
531	3.4E+00	1.6E-06	1.0E-03	5.6E-09	1.6E-01	6.7E-01	5.9E-10	9.2E-01	1.7E-07	1.0E-03	1.6E-10	1.6E-01	6.7E-01	1.7E-11
532	2.7E+00	1.6E-06	1.0E-03	4.5E-09	1.6E-01	6.7E-01	4.7E-10	7.1E-01	1.7E-07	1.0E-03	1.3E-10	1.6E-01	6.7E-01	1.3E-11
533	2.6E+00	1.6E-06	1.0E-03	4.2E-09	1.6E-01	6.7E-01	4.5E-10	6.9E-01	1.7E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.3E-11
534	2.4E+00	1.6E-06	1.0E-03	4.0E-09	1.6E-01	6.7E-01	4.2E-10	6.7E-01	1.7E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.3E-11
535	2.3E+00	1.6E-06	1.0E-03	3.8E-09	1.6E-01	6.7E-01	4.0E-10	6.6E-01	1.7E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.2E-11
536	2.2E+00	1.6E-06	1.0E-03	3.6E-09	1.6E-01	6.7E-01	3.8E-10	6.4E-01	1.7E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.2E-11
537	2.1E+00	1.6E-06	1.0E-03	3.4E-09	1.6E-01	6.7E-01	3.6E-10	6.2E-01	1.7E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.2E-11
538	2.0E+00	1.6E-06	1.0E-03	3.3E-09	1.6E-01	6.7E-01	3.4E-10	6.0E-01	1.7E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.1E-11
539	1.9E+00	1.6E-06	1.0E-03	3.1E-09	1.6E-01	6.7E-01	3.2E-10	5.8E-01	1.7E-07	1.0E-03	1.0E-10	1.6E-01	6.7E-01	1.1E-11
540	1.8E+00	1.6E-06	1.0E-03	2.9E-09	1.6E-01	6.7E-01	3.1E-10	5.7E-01	1.7E-07	1.0E-03	1.0E-10	1.6E-01	6.7E-01	1.1E-11
541	1.7E+00	1.6E-06	1.0E-03	2.8E-09	1.6E-01	6.7E-01	2.9E-10	5.5E-01	1.7E-07	1.0E-03	9.8E-11	1.6E-01	6.7E-01	1.0E-11
542	2.5E+00	1.6E-06	1.0E-03	4.1E-09	1.6E-01	6.7E-01	4.3E-10	9.2E-01	1.7E-07	1.0E-03	1.6E-10	1.6E-01	6.7E-01	1.7E-11
543	2.6E+00	1.6E-06	1.0E-03	4.3E-09	1.6E-01	6.7E-01	4.6E-10	9.2E-01	1.7E-07	1.0E-03	1.6E-10	1.6E-01	6.7E-01	1.7E-11
544	2.8E+00	1.6E-06	1.0E-03	4.6E-09	1.6E-01	6.7E-01	4.8E-10	9.0E-01	1.7E-07	1.0E-03	1.6E-10	1.6E-01	6.7E-01	1.7E-11
545	2.9E+00	1.6E-06	1.0E-03	4.8E-09	1.6E-01	6.7E-01	5.0E-10	8.9E-01	1.7E-07	1.0E-03	1.6E-10	1.6E-01	6.7E-01	1.7E-11
546	3.0E+00	1.6E-06	1.0E-03	4.9E-09	1.6E-01	6.7E-01	5.2E-10	8.8E-01	1.7E-07	1.0E-03	1.6E-10	1.6E-01	6.7E-01	1.7E-11
547	2.5E+00	1.6E-06	1.0E-03	4.1E-09	1.6E-01	6.7E-01	4.3E-10	6.9E-01	1.7E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.3E-11
548	2.4E+00	1.6E-06	1.0E-03	3.9E-09	1.6E-01	6.7E-01	4.1E-10	6.7E-01	1.7E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.3E-11
549	2.3E+00	1.6E-06	1.0E-03	3.8E-09	1.6E-01	6.7E-01	3.9E-10	6.5E-01	1.7E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.2E-11
550	2.2E+00	1.6E-06	1.0E-03	3.6E-09	1.6E-01	6.7E-01	3.8E-10	6.3E-01	1.7E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.2E-11
551	2.0E+00	1.6E-06	1.0E-03	3.4E-09	1.6E-01	6.7E-01	3.5E-10	6.1E-01	1.7E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.2E-11
552	1.9E+00	1.6E-06	1.0E-03	3.2E-09	1.6E-01	6.7E-01	3.4E-10	6.0E-01	1.7E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.1E-11
553	1.8E+00	1.6E-06	1.0E-03	3.0E-09	1.6E-01	6.7E-01	3.2E-10	5.8E-01	1.7E-07	1.0E-03	1.0E-10	1.6E-01	6.7E-01	1.1E-11
554	1.7E+00	1.6E-06	1.0E-03	2.9E-09	1.6E-01	6.7E-01	3.0E-10	5.6E-01	1.7E-07	1.0E-03	1.0E-10	1.6E-01	6.7E-01	1.1E-11
555	1.7E+00	1.6E-06	1.0E-03	2.8E-09	1.6E-01	6.7E-01	2.9E-10	5.5E-01	1.7E-07	1.0E-03	9.8E-11	1.6E-01	6.7E-01	1.0E-11
556	1.6E+00	1.6E-06	1.0E-03	2.6E-09	1.6E-01	6.7E-01	2.7E-10	5.3E-01	1.7E-07	1.0E-03	9.5E-11	1.6E-01	6.7E-01	9.9E-12
557	2.2E+00	1.6E-06	1.0E-03	3.7E-09	1.6E-01	6.7E-01	3.9E-10	8.8E-01	1.7E-07	1.0E-03	1.6E-10	1.6E-01	6.7E-01	1.7E-11
558	2.4E+00	1.6E-06	1.0E-03	3.9E-09	1.6E-01	6.7E-01	4.1E-10	8.7E-01	1.7E-07	1.0E-03	1.6E-10	1.6E-01	6.7E-01	1.6E-11
559	2.5E+00	1.6E-06	1.0E-03	4.1E-09	1.6E-01	6.7E-01	4.3E-10	8.6E-01	1.7E-07	1.0E-03	1.5E-10	1.6E-01	6.7E-01	1.6E-11

Franklin School Project

Risk From Modernization Const - Unmitigated Residential

	Haul Route 1A							Haul Route 2A						
Receptor #	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
560	2.6E+00	1.6E-06	1.0E-03	4.3E-09	1.6E-01	6.7E-01	4.5E-10	8.5E-01	1.7E-07	1.0E-03	1.5E-10	1.6E-01	6.7E-01	1.6E-11
561	2.7E+00	1.6E-06	1.0E-03	4.4E-09	1.6E-01	6.7E-01	4.7E-10	8.4E-01	1.7E-07	1.0E-03	1.5E-10	1.6E-01	6.7E-01	1.6E-11
562	2.2E+00	1.6E-06	1.0E-03	3.7E-09	1.6E-01	6.7E-01	3.9E-10	6.5E-01	1.7E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.2E-11
563	2.1E+00	1.6E-06	1.0E-03	3.5E-09	1.6E-01	6.7E-01	3.7E-10	6.3E-01	1.7E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.2E-11
564	2.0E+00	1.6E-06	1.0E-03	3.3E-09	1.6E-01	6.7E-01	3.5E-10	6.1E-01	1.7E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.1E-11
565	1.9E+00	1.6E-06	1.0E-03	3.1E-09	1.6E-01	6.7E-01	3.3E-10	5.9E-01	1.7E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.1E-11
566	1.8E+00	1.6E-06	1.0E-03	3.0E-09	1.6E-01	6.7E-01	3.1E-10	5.7E-01	1.7E-07	1.0E-03	1.0E-10	1.6E-01	6.7E-01	1.1E-11
567	1.7E+00	1.6E-06	1.0E-03	2.8E-09	1.6E-01	6.7E-01	3.0E-10	5.6E-01	1.7E-07	1.0E-03	9.9E-11	1.6E-01	6.7E-01	1.0E-11
568	1.6E+00	1.6E-06	1.0E-03	2.7E-09	1.6E-01	6.7E-01	2.8E-10	5.4E-01	1.7E-07	1.0E-03	9.7E-11	1.6E-01	6.7E-01	1.0E-11
569	1.6E+00	1.6E-06	1.0E-03	2.6E-09	1.6E-01	6.7E-01	2.7E-10	5.3E-01	1.7E-07	1.0E-03	9.4E-11	1.6E-01	6.7E-01	9.9E-12
570	1.5E+00	1.6E-06	1.0E-03	2.5E-09	1.6E-01	6.7E-01	2.6E-10	5.1E-01	1.7E-07	1.0E-03	9.1E-11	1.6E-01	6.7E-01	9.6E-12
571	2.0E+00	1.6E-06	1.0E-03	3.4E-09	1.6E-01	6.7E-01	3.6E-10	8.4E-01	1.7E-07	1.0E-03	1.5E-10	1.6E-01	6.7E-01	1.6E-11
572	2.2E+00	1.6E-06	1.0E-03	3.6E-09	1.6E-01	6.7E-01	3.7E-10	8.4E-01	1.7E-07	1.0E-03	1.5E-10	1.6E-01	6.7E-01	1.6E-11
573	2.2E+00	1.6E-06	1.0E-03	3.7E-09	1.6E-01	6.7E-01	3.9E-10	8.3E-01	1.7E-07	1.0E-03	1.5E-10	1.6E-01	6.7E-01	1.5E-11
574	2.3E+00	1.6E-06	1.0E-03	3.9E-09	1.6E-01	6.7E-01	4.1E-10	8.2E-01	1.7E-07	1.0E-03	1.5E-10	1.6E-01	6.7E-01	1.5E-11
575	2.4E+00	1.6E-06	1.0E-03	4.0E-09	1.6E-01	6.7E-01	4.2E-10	8.1E-01	1.7E-07	1.0E-03	1.4E-10	1.6E-01	6.7E-01	1.5E-11
576	2.0E+00	1.6E-06	1.0E-03	3.3E-09	1.6E-01	6.7E-01	3.5E-10	6.1E-01	1.7E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.1E-11
577	1.9E+00	1.6E-06	1.0E-03	3.2E-09	1.6E-01	6.7E-01	3.3E-10	6.0E-01	1.7E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.1E-11
578	1.8E+00	1.6E-06	1.0E-03	3.0E-09	1.6E-01	6.7E-01	3.1E-10	5.8E-01	1.7E-07	1.0E-03	1.0E-10	1.6E-01	6.7E-01	1.1E-11
579	1.7E+00	1.6E-06	1.0E-03	2.9E-09	1.6E-01	6.7E-01	3.0E-10	5.6E-01	1.7E-07	1.0E-03	1.0E-10	1.6E-01	6.7E-01	1.1E-11
580	1.6E+00	1.6E-06	1.0E-03	2.7E-09	1.6E-01	6.7E-01	2.9E-10	5.5E-01	1.7E-07	1.0E-03	9.7E-11	1.6E-01	6.7E-01	1.0E-11
581	1.6E+00	1.6E-06	1.0E-03	2.6E-09	1.6E-01	6.7E-01	2.7E-10	5.3E-01	1.7E-07	1.0E-03	9.4E-11	1.6E-01	6.7E-01	9.9E-12
582	1.5E+00	1.6E-06	1.0E-03	2.5E-09	1.6E-01	6.7E-01	2.6E-10	5.1E-01	1.7E-07	1.0E-03	9.1E-11	1.6E-01	6.7E-01	9.6E-12
583	1.4E+00	1.6E-06	1.0E-03	2.3E-09	1.6E-01	6.7E-01	2.5E-10	5.0E-01	1.7E-07	1.0E-03	8.9E-11	1.6E-01	6.7E-01	9.3E-12
584	1.9E+00	1.6E-06	1.0E-03	3.1E-09	1.6E-01	6.7E-01	3.3E-10	8.1E-01	1.7E-07	1.0E-03	1.4E-10	1.6E-01	6.7E-01	1.5E-11
585	2.0E+00	1.6E-06	1.0E-03	3.3E-09	1.6E-01	6.7E-01	3.4E-10	8.0E-01	1.7E-07	1.0E-03	1.4E-10	1.6E-01	6.7E-01	1.5E-11
586	2.1E+00	1.6E-06	1.0E-03	3.4E-09	1.6E-01	6.7E-01	3.6E-10	7.9E-01	1.7E-07	1.0E-03	1.4E-10	1.6E-01	6.7E-01	1.5E-11
587	2.1E+00	1.6E-06	1.0E-03	3.5E-09	1.6E-01	6.7E-01	3.7E-10	7.8E-01	1.7E-07	1.0E-03	1.4E-10	1.6E-01	6.7E-01	1.5E-11
588	2.2E+00	1.6E-06	1.0E-03	3.6E-09	1.6E-01	6.7E-01	3.8E-10	7.7E-01	1.7E-07	1.0E-03	1.4E-10	1.6E-01	6.7E-01	1.5E-11
589	1.8E+00	1.6E-06	1.0E-03	3.0E-09	1.6E-01	6.7E-01	3.2E-10	5.8E-01	1.7E-07	1.0E-03	1.0E-10	1.6E-01	6.7E-01	1.1E-11
590	1.7E+00	1.6E-06	1.0E-03	2.9E-09	1.6E-01	6.7E-01	3.0E-10	5.7E-01	1.7E-07	1.0E-03	1.0E-10	1.6E-01	6.7E-01	1.1E-11
591	1.7E+00	1.6E-06	1.0E-03	2.8E-09	1.6E-01	6.7E-01	2.9E-10	5.5E-01	1.7E-07	1.0E-03	9.8E-11	1.6E-01	6.7E-01	1.0E-11
592	1.6E+00	1.6E-06	1.0E-03	2.6E-09	1.6E-01	6.7E-01	2.8E-10	5.4E-01	1.7E-07	1.0E-03	9.6E-11	1.6E-01	6.7E-01	1.0E-11
593	1.5E+00	1.6E-06	1.0E-03	2.5E-09	1.6E-01	6.7E-01	2.7E-10	5.2E-01	1.7E-07	1.0E-03	9.3E-11	1.6E-01	6.7E-01	9.8E-12
594	1.4E+00	1.6E-06	1.0E-03	2.4E-09	1.6E-01	6.7E-01	2.5E-10	5.1E-01	1.7E-07	1.0E-03	9.0E-11	1.6E-01	6.7E-01	9.5E-12
595	1.4E+00	1.6E-06	1.0E-03	2.3E-09	1.6E-01	6.7E-01	2.4E-10	4.9E-01	1.7E-07	1.0E-03	8.7E-11	1.6E-01	6.7E-01	9.2E-12
596	1.7E+00	1.6E-06	1.0E-03	2.9E-09	1.6E-01	6.7E-01	3.0E-10	7.7E-01	1.7E-07	1.0E-03	1.4E-10	1.6E-01	6.7E-01	1.4E-11
597	1.8E+00	1.6E-06	1.0E-03	3.0E-09	1.6E-01	6.7E-01	3.1E-10	7.7E-01	1.7E-07	1.0E-03	1.4E-10	1.6E-01	6.7E-01	1.4E-11
598	1.9E+00	1.6E-06	1.0E-03	3.1E-09	1.6E-01	6.7E-01	3.3E-10	7.6E-01	1.7E-07	1.0E-03	1.4E-10	1.6E-01	6.7E-01	1.4E-11
599	1.9E+00	1.6E-06	1.0E-03	3.2E-09	1.6E-01	6.7E-01	3.4E-10	7.5E-01	1.7E-07	1.0E-03	1.3E-10	1.6E-01	6.7E-01	1.4E-11
600	2.0E+00	1.6E-06	1.0E-03	3.3E-09	1.6E-01	6.7E-01	3.5E-10	7.4E-01	1.7E-07	1.0E-03	1.3E-10	1.6E-01	6.7E-01	1.4E-11
601	1.6E+00	1.6E-06	1.0E-03	2.7E-09	1.6E-01	6.7E-01	2.9E-10	5.5E-01	1.7E-07	1.0E-03	9.8E-11	1.6E-01	6.7E-01	1.0E-11
602	1.6E+00	1.6E-06	1.0E-03	2.6E-09	1.6E-01	6.7E-01	2.8E-10	5.4E-01	1.7E-07	1.0E-03	9.6E-11	1.6E-01	6.7E-01	1.0E-11

Franklin School Project

Risk From Modernization Const - Unmitigated Residential

	Haul Route 1A							Haul Route 2A						
Receptor #	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
603	1.5E+00	1.6E-06	1.0E-03	2.5E-09	1.6E-01	6.7E-01	2.6E-10	5.2E-01	1.7E-07	1.0E-03	9.3E-11	1.6E-01	6.7E-01	9.8E-12
604	1.5E+00	1.6E-06	1.0E-03	2.4E-09	1.6E-01	6.7E-01	2.5E-10	5.1E-01	1.7E-07	1.0E-03	9.1E-11	1.6E-01	6.7E-01	9.5E-12
605	1.4E+00	1.6E-06	1.0E-03	2.3E-09	1.6E-01	6.7E-01	2.4E-10	5.0E-01	1.7E-07	1.0E-03	8.8E-11	1.6E-01	6.7E-01	9.3E-12
606	1.3E+00	1.6E-06	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.3E-10	4.8E-01	1.7E-07	1.0E-03	8.6E-11	1.6E-01	6.7E-01	9.0E-12
607	1.6E+00	1.6E-06	1.0E-03	2.7E-09	1.6E-01	6.7E-01	2.8E-10	7.4E-01	1.7E-07	1.0E-03	1.3E-10	1.6E-01	6.7E-01	1.4E-11
608	1.7E+00	1.6E-06	1.0E-03	2.8E-09	1.6E-01	6.7E-01	2.9E-10	7.3E-01	1.7E-07	1.0E-03	1.3E-10	1.6E-01	6.7E-01	1.4E-11
609	1.7E+00	1.6E-06	1.0E-03	2.9E-09	1.6E-01	6.7E-01	3.0E-10	7.3E-01	1.7E-07	1.0E-03	1.3E-10	1.6E-01	6.7E-01	1.4E-11
610	1.8E+00	1.6E-06	1.0E-03	3.0E-09	1.6E-01	6.7E-01	3.1E-10	7.2E-01	1.7E-07	1.0E-03	1.3E-10	1.6E-01	6.7E-01	1.4E-11
611	1.8E+00	1.6E-06	1.0E-03	3.0E-09	1.6E-01	6.7E-01	3.2E-10	7.1E-01	1.7E-07	1.0E-03	1.3E-10	1.6E-01	6.7E-01	1.3E-11
612	1.6E+00	1.6E-06	1.0E-03	2.6E-09	1.6E-01	6.7E-01	2.7E-10	5.3E-01	1.7E-07	1.0E-03	9.5E-11	1.6E-01	6.7E-01	1.0E-11
613	1.5E+00	1.6E-06	1.0E-03	2.5E-09	1.6E-01	6.7E-01	2.6E-10	5.2E-01	1.7E-07	1.0E-03	9.3E-11	1.6E-01	6.7E-01	9.8E-12
614	1.4E+00	1.6E-06	1.0E-03	2.4E-09	1.6E-01	6.7E-01	2.5E-10	5.1E-01	1.7E-07	1.0E-03	9.1E-11	1.6E-01	6.7E-01	9.5E-12
615	1.4E+00	1.6E-06	1.0E-03	2.3E-09	1.6E-01	6.7E-01	2.4E-10	5.0E-01	1.7E-07	1.0E-03	8.8E-11	1.6E-01	6.7E-01	9.3E-12
616	1.3E+00	1.6E-06	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.3E-10	4.8E-01	1.7E-07	1.0E-03	8.6E-11	1.6E-01	6.7E-01	9.0E-12
617	1.3E+00	1.6E-06	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.2E-10	4.7E-01	1.7E-07	1.0E-03	8.4E-11	1.6E-01	6.7E-01	8.8E-12
618	1.5E+00	1.6E-06	1.0E-03	2.5E-09	1.6E-01	6.7E-01	2.6E-10	7.1E-01	1.7E-07	1.0E-03	1.3E-10	1.6E-01	6.7E-01	1.3E-11
619	1.5E+00	1.6E-06	1.0E-03	2.6E-09	1.6E-01	6.7E-01	2.7E-10	7.0E-01	1.7E-07	1.0E-03	1.3E-10	1.6E-01	6.7E-01	1.3E-11
620	1.6E+00	1.6E-06	1.0E-03	2.6E-09	1.6E-01	6.7E-01	2.8E-10	7.0E-01	1.7E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.3E-11
621	1.6E+00	1.6E-06	1.0E-03	2.7E-09	1.6E-01	6.7E-01	2.9E-10	6.9E-01	1.7E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.3E-11
622	1.7E+00	1.6E-06	1.0E-03	2.8E-09	1.6E-01	6.7E-01	2.9E-10	6.9E-01	1.7E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.3E-11
623	1.5E+00	1.6E-06	1.0E-03	2.4E-09	1.6E-01	6.7E-01	2.6E-10	5.2E-01	1.7E-07	1.0E-03	9.3E-11	1.6E-01	6.7E-01	9.7E-12
624	1.4E+00	1.6E-06	1.0E-03	2.4E-09	1.6E-01	6.7E-01	2.5E-10	5.1E-01	1.7E-07	1.0E-03	9.0E-11	1.6E-01	6.7E-01	9.5E-12
625	1.4E+00	1.6E-06	1.0E-03	2.3E-09	1.6E-01	6.7E-01	2.4E-10	5.0E-01	1.7E-07	1.0E-03	8.8E-11	1.6E-01	6.7E-01	9.3E-12
626	1.3E+00	1.6E-06	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.3E-10	4.8E-01	1.7E-07	1.0E-03	8.6E-11	1.6E-01	6.7E-01	9.1E-12
627	1.3E+00	1.6E-06	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.2E-10	4.7E-01	1.7E-07	1.0E-03	8.4E-11	1.6E-01	6.7E-01	8.8E-12
628	1.2E+00	1.6E-06	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10	4.6E-01	1.7E-07	1.0E-03	8.2E-11	1.6E-01	6.7E-01	8.6E-12
629	1.4E+00	1.6E-06	1.0E-03	2.3E-09	1.6E-01	6.7E-01	2.4E-10	6.8E-01	1.7E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.3E-11
630	1.4E+00	1.6E-06	1.0E-03	2.4E-09	1.6E-01	6.7E-01	2.5E-10	6.8E-01	1.7E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.3E-11
631	1.5E+00	1.6E-06	1.0E-03	2.5E-09	1.6E-01	6.7E-01	2.6E-10	6.7E-01	1.7E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.3E-11
632	1.5E+00	1.6E-06	1.0E-03	2.5E-09	1.6E-01	6.7E-01	2.7E-10	6.7E-01	1.7E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.2E-11
633	1.6E+00	1.6E-06	1.0E-03	2.6E-09	1.6E-01	6.7E-01	2.7E-10	6.6E-01	1.7E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.2E-11
634	1.4E+00	1.6E-06	1.0E-03	2.3E-09	1.6E-01	6.7E-01	2.4E-10	5.0E-01	1.7E-07	1.0E-03	9.0E-11	1.6E-01	6.7E-01	9.4E-12
635	1.4E+00	1.6E-06	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.4E-10	4.9E-01	1.7E-07	1.0E-03	8.8E-11	1.6E-01	6.7E-01	9.2E-12
636	1.3E+00	1.6E-06	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.3E-10	4.8E-01	1.7E-07	1.0E-03	8.6E-11	1.6E-01	6.7E-01	9.0E-12
637	1.3E+00	1.6E-06	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.2E-10	4.7E-01	1.7E-07	1.0E-03	8.4E-11	1.6E-01	6.7E-01	8.8E-12
638	1.2E+00	1.6E-06	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10	4.6E-01	1.7E-07	1.0E-03	8.2E-11	1.6E-01	6.7E-01	8.6E-12
639	1.2E+00	1.6E-06	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10	4.5E-01	1.7E-07	1.0E-03	8.0E-11	1.6E-01	6.7E-01	8.4E-12
640	1.3E+00	1.6E-06	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.2E-10	6.5E-01	1.7E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.2E-11
641	1.3E+00	1.6E-06	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.3E-10	6.5E-01	1.7E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.2E-11
642	1.4E+00	1.6E-06	1.0E-03	2.3E-09	1.6E-01	6.7E-01	2.4E-10	6.5E-01	1.7E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.2E-11
643	1.4E+00	1.6E-06	1.0E-03	2.3E-09	1.6E-01	6.7E-01	2.5E-10	6.4E-01	1.7E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.2E-11
644	1.4E+00	1.6E-06	1.0E-03	2.4E-09	1.6E-01	6.7E-01	2.5E-10	6.3E-01	1.7E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.2E-11
645	1.3E+00	1.6E-06	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.3E-10	4.9E-01	1.7E-07	1.0E-03	8.7E-11	1.6E-01	6.7E-01	9.2E-12

Franklin School Project

Risk From Modernization Const - Unmitigated Residential

	Haul Route 1A							Haul Route 2A						
Receptor #	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
646	1.3E+00	1.6E-06	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.2E-10	4.8E-01	1.7E-07	1.0E-03	8.6E-11	1.6E-01	6.7E-01	9.0E-12
647	1.3E+00	1.6E-06	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.2E-10	4.7E-01	1.7E-07	1.0E-03	8.4E-11	1.6E-01	6.7E-01	8.8E-12
648	1.2E+00	1.6E-06	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10	4.6E-01	1.7E-07	1.0E-03	8.2E-11	1.6E-01	6.7E-01	8.6E-12
649	1.2E+00	1.6E-06	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10	4.5E-01	1.7E-07	1.0E-03	8.0E-11	1.6E-01	6.7E-01	8.4E-12
650	1.1E+00	1.6E-06	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10	4.4E-01	1.7E-07	1.0E-03	7.8E-11	1.6E-01	6.7E-01	8.2E-12
651	1.2E+00	1.6E-06	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10	6.3E-01	1.7E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.2E-11
652	1.2E+00	1.6E-06	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.2E-10	6.3E-01	1.7E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.2E-11
653	1.3E+00	1.6E-06	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.2E-10	6.2E-01	1.7E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.2E-11
654	1.3E+00	1.6E-06	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.3E-10	6.2E-01	1.7E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.2E-11
655	1.3E+00	1.6E-06	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.4E-10	6.1E-01	1.7E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.1E-11
656	1.4E+00	1.6E-06	1.0E-03	2.3E-09	1.6E-01	6.7E-01	2.4E-10	6.0E-01	1.7E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.1E-11
657	1.4E+00	1.6E-06	1.0E-03	2.3E-09	1.6E-01	6.7E-01	2.4E-10	6.0E-01	1.7E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.1E-11
658	1.4E+00	1.6E-06	1.0E-03	2.4E-09	1.6E-01	6.7E-01	2.5E-10	5.9E-01	1.7E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.1E-11
659	1.4E+00	1.6E-06	1.0E-03	2.4E-09	1.6E-01	6.7E-01	2.5E-10	5.8E-01	1.7E-07	1.0E-03	1.0E-10	1.6E-01	6.7E-01	1.1E-11
660	1.4E+00	1.6E-06	1.0E-03	2.4E-09	1.6E-01	6.7E-01	2.5E-10	5.8E-01	1.7E-07	1.0E-03	1.0E-10	1.6E-01	6.7E-01	1.1E-11
661	1.4E+00	1.6E-06	1.0E-03	2.4E-09	1.6E-01	6.7E-01	2.5E-10	5.7E-01	1.7E-07	1.0E-03	1.0E-10	1.6E-01	6.7E-01	1.1E-11
662	1.4E+00	1.6E-06	1.0E-03	2.4E-09	1.6E-01	6.7E-01	2.5E-10	5.6E-01	1.7E-07	1.0E-03	1.0E-10	1.6E-01	6.7E-01	1.0E-11
663	1.4E+00	1.6E-06	1.0E-03	2.4E-09	1.6E-01	6.7E-01	2.5E-10	5.5E-01	1.7E-07	1.0E-03	9.8E-11	1.6E-01	6.7E-01	1.0E-11
664	1.4E+00	1.6E-06	1.0E-03	2.4E-09	1.6E-01	6.7E-01	2.5E-10	5.4E-01	1.7E-07	1.0E-03	9.7E-11	1.6E-01	6.7E-01	1.0E-11
665	1.4E+00	1.6E-06	1.0E-03	2.3E-09	1.6E-01	6.7E-01	2.5E-10	5.3E-01	1.7E-07	1.0E-03	9.5E-11	1.6E-01	6.7E-01	1.0E-11
666	1.4E+00	1.6E-06	1.0E-03	2.3E-09	1.6E-01	6.7E-01	2.4E-10	5.2E-01	1.7E-07	1.0E-03	9.3E-11	1.6E-01	6.7E-01	9.8E-12
667	1.4E+00	1.6E-06	1.0E-03	2.3E-09	1.6E-01	6.7E-01	2.4E-10	5.1E-01	1.7E-07	1.0E-03	9.2E-11	1.6E-01	6.7E-01	9.6E-12
668	1.3E+00	1.6E-06	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.3E-10	5.1E-01	1.7E-07	1.0E-03	9.0E-11	1.6E-01	6.7E-01	9.5E-12
669	1.3E+00	1.6E-06	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.3E-10	5.0E-01	1.7E-07	1.0E-03	8.8E-11	1.6E-01	6.7E-01	9.3E-12
670	1.3E+00	1.6E-06	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.2E-10	4.9E-01	1.7E-07	1.0E-03	8.7E-11	1.6E-01	6.7E-01	9.1E-12
671	1.3E+00	1.6E-06	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.2E-10	4.8E-01	1.7E-07	1.0E-03	8.5E-11	1.6E-01	6.7E-01	8.9E-12
672	1.2E+00	1.6E-06	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10	4.7E-01	1.7E-07	1.0E-03	8.3E-11	1.6E-01	6.7E-01	8.7E-12
673	1.2E+00	1.6E-06	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10	4.6E-01	1.7E-07	1.0E-03	8.2E-11	1.6E-01	6.7E-01	8.6E-12
674	1.2E+00	1.6E-06	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10	4.5E-01	1.7E-07	1.0E-03	8.0E-11	1.6E-01	6.7E-01	8.4E-12
675	1.1E+00	1.6E-06	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10	4.4E-01	1.7E-07	1.0E-03	7.8E-11	1.6E-01	6.7E-01	8.2E-12
676	1.1E+00	1.6E-06	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10	4.3E-01	1.7E-07	1.0E-03	7.6E-11	1.6E-01	6.7E-01	8.0E-12
677	1.1E+00	1.6E-06	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10	6.1E-01	1.7E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.1E-11
678	1.2E+00	1.6E-06	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10	6.0E-01	1.7E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.1E-11
679	1.2E+00	1.6E-06	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10	6.0E-01	1.7E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.1E-11
680	1.2E+00	1.6E-06	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10	5.9E-01	1.7E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.1E-11
681	1.3E+00	1.6E-06	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.2E-10	5.9E-01	1.7E-07	1.0E-03	1.0E-10	1.6E-01	6.7E-01	1.1E-11
682	1.3E+00	1.6E-06	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.2E-10	5.8E-01	1.7E-07	1.0E-03	1.0E-10	1.6E-01	6.7E-01	1.1E-11
683	1.3E+00	1.6E-06	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.3E-10	5.8E-01	1.7E-07	1.0E-03	1.0E-10	1.6E-01	6.7E-01	1.1E-11
684	1.3E+00	1.6E-06	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.3E-10	5.7E-01	1.7E-07	1.0E-03	1.0E-10	1.6E-01	6.7E-01	1.1E-11
685	1.3E+00	1.6E-06	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.3E-10	5.6E-01	1.7E-07	1.0E-03	1.0E-10	1.6E-01	6.7E-01	1.1E-11
686	1.3E+00	1.6E-06	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.3E-10	5.6E-01	1.7E-07	1.0E-03	9.9E-11	1.6E-01	6.7E-01	1.0E-11
687	1.3E+00	1.6E-06	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.3E-10	5.5E-01	1.7E-07	1.0E-03	9.8E-11	1.6E-01	6.7E-01	1.0E-11
688	1.3E+00	1.6E-06	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.3E-10	5.4E-01	1.7E-07	1.0E-03	9.6E-11	1.6E-01	6.7E-01	1.0E-11

Franklin School Project

Risk From Modernization Const - Unmitigated Residential

	Haul Route 1A							Haul Route 2A						
Receptor #	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
689	1.3E+00	1.6E-06	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.3E-10	5.3E-01	1.7E-07	1.0E-03	9.5E-11	1.6E-01	6.7E-01	1.0E-11
690	1.3E+00	1.6E-06	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.3E-10	5.2E-01	1.7E-07	1.0E-03	9.4E-11	1.6E-01	6.7E-01	9.8E-12
691	1.3E+00	1.6E-06	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.3E-10	5.2E-01	1.7E-07	1.0E-03	9.2E-11	1.6E-01	6.7E-01	9.7E-12
692	1.3E+00	1.6E-06	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.3E-10	5.1E-01	1.7E-07	1.0E-03	9.1E-11	1.6E-01	6.7E-01	9.5E-12
693	1.3E+00	1.6E-06	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.2E-10	5.0E-01	1.7E-07	1.0E-03	8.9E-11	1.6E-01	6.7E-01	9.4E-12
694	1.3E+00	1.6E-06	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.2E-10	4.9E-01	1.7E-07	1.0E-03	8.7E-11	1.6E-01	6.7E-01	9.2E-12
695	1.2E+00	1.6E-06	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.2E-10	4.8E-01	1.7E-07	1.0E-03	8.6E-11	1.6E-01	6.7E-01	9.0E-12
696	1.2E+00	1.6E-06	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10	4.7E-01	1.7E-07	1.0E-03	8.4E-11	1.6E-01	6.7E-01	8.9E-12
697	1.2E+00	1.6E-06	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10	4.6E-01	1.7E-07	1.0E-03	8.3E-11	1.6E-01	6.7E-01	8.7E-12
698	1.2E+00	1.6E-06	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10	4.5E-01	1.7E-07	1.0E-03	8.1E-11	1.6E-01	6.7E-01	8.5E-12
699	1.1E+00	1.6E-06	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10	4.5E-01	1.7E-07	1.0E-03	7.9E-11	1.6E-01	6.7E-01	8.3E-12
700	1.1E+00	1.6E-06	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10	4.4E-01	1.7E-07	1.0E-03	7.8E-11	1.6E-01	6.7E-01	8.2E-12
701	1.1E+00	1.6E-06	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10	4.3E-01	1.7E-07	1.0E-03	7.6E-11	1.6E-01	6.7E-01	8.0E-12
702	1.0E+00	1.6E-06	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10	4.2E-01	1.7E-07	1.0E-03	7.4E-11	1.6E-01	6.7E-01	7.8E-12
703	1.1E+00	1.6E-06	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10	5.8E-01	1.7E-07	1.0E-03	1.0E-10	1.6E-01	6.7E-01	1.1E-11
704	1.1E+00	1.6E-06	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10	5.8E-01	1.7E-07	1.0E-03	1.0E-10	1.6E-01	6.7E-01	1.1E-11
705	1.1E+00	1.6E-06	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10	5.8E-01	1.7E-07	1.0E-03	1.0E-10	1.6E-01	6.7E-01	1.1E-11
706	1.2E+00	1.6E-06	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10	5.7E-01	1.7E-07	1.0E-03	1.0E-10	1.6E-01	6.7E-01	1.1E-11
707	1.2E+00	1.6E-06	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10	5.7E-01	1.7E-07	1.0E-03	1.0E-10	1.6E-01	6.7E-01	1.1E-11
708	1.2E+00	1.6E-06	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10	5.6E-01	1.7E-07	1.0E-03	1.0E-10	1.6E-01	6.7E-01	1.1E-11
709	1.2E+00	1.6E-06	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10	5.6E-01	1.7E-07	1.0E-03	9.9E-11	1.6E-01	6.7E-01	1.0E-11
710	1.2E+00	1.6E-06	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.2E-10	5.5E-01	1.7E-07	1.0E-03	9.8E-11	1.6E-01	6.7E-01	1.0E-11
711	1.2E+00	1.6E-06	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.2E-10	5.4E-01	1.7E-07	1.0E-03	9.7E-11	1.6E-01	6.7E-01	1.0E-11
712	1.3E+00	1.6E-06	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.2E-10	5.4E-01	1.7E-07	1.0E-03	9.6E-11	1.6E-01	6.7E-01	1.0E-11
713	1.3E+00	1.6E-06	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.2E-10	5.3E-01	1.7E-07	1.0E-03	9.5E-11	1.6E-01	6.7E-01	9.9E-12
714	1.3E+00	1.6E-06	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.2E-10	5.2E-01	1.7E-07	1.0E-03	9.3E-11	1.6E-01	6.7E-01	9.8E-12
715	1.3E+00	1.6E-06	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.2E-10	5.2E-01	1.7E-07	1.0E-03	9.2E-11	1.6E-01	6.7E-01	9.7E-12
716	1.3E+00	1.6E-06	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.2E-10	5.1E-01	1.7E-07	1.0E-03	9.1E-11	1.6E-01	6.7E-01	9.5E-12
717	1.2E+00	1.6E-06	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.2E-10	5.0E-01	1.7E-07	1.0E-03	8.9E-11	1.6E-01	6.7E-01	9.4E-12
718	1.2E+00	1.6E-06	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10	4.9E-01	1.7E-07	1.0E-03	8.8E-11	1.6E-01	6.7E-01	9.2E-12
719	1.2E+00	1.6E-06	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10	4.8E-01	1.7E-07	1.0E-03	8.6E-11	1.6E-01	6.7E-01	9.1E-12
720	1.2E+00	1.6E-06	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10	4.8E-01	1.7E-07	1.0E-03	8.5E-11	1.6E-01	6.7E-01	8.9E-12
721	1.2E+00	1.6E-06	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10	4.7E-01	1.7E-07	1.0E-03	8.3E-11	1.6E-01	6.7E-01	8.8E-12
722	1.2E+00	1.6E-06	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10	4.6E-01	1.7E-07	1.0E-03	8.2E-11	1.6E-01	6.7E-01	8.6E-12
723	1.1E+00	1.6E-06	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10	4.5E-01	1.7E-07	1.0E-03	8.0E-11	1.6E-01	6.7E-01	8.4E-12
724	1.1E+00	1.6E-06	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10	4.4E-01	1.7E-07	1.0E-03	7.9E-11	1.6E-01	6.7E-01	8.3E-12
725	1.1E+00	1.6E-06	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10	4.3E-01	1.7E-07	1.0E-03	7.7E-11	1.6E-01	6.7E-01	8.1E-12
726	1.1E+00	1.6E-06	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10	4.2E-01	1.7E-07	1.0E-03	7.6E-11	1.6E-01	6.7E-01	8.0E-12
727	1.0E+00	1.6E-06	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10	4.2E-01	1.7E-07	1.0E-03	7.4E-11	1.6E-01	6.7E-01	7.8E-12
728	1.0E+00	1.6E-06	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.7E-10	4.1E-01	1.7E-07	1.0E-03	7.3E-11	1.6E-01	6.7E-01	7.6E-12
729	1.0E+00	1.6E-06	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.7E-10	5.6E-01	1.7E-07	1.0E-03	1.0E-10	1.6E-01	6.7E-01	1.0E-11
730	1.0E+00	1.6E-06	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10	5.6E-01	1.7E-07	1.0E-03	9.9E-11	1.6E-01	6.7E-01	1.0E-11
731	1.1E+00	1.6E-06	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.8E-10	5.5E-01	1.7E-07	1.0E-03	9.9E-11	1.6E-01	6.7E-01	1.0E-11

Franklin School Project

Risk From Modernization Const - Unmitigated Residential

	Haul Route 1A							Haul Route 2A						
Receptor #	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
732	1.1E+00	1.6E-06	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10	5.5E-01	1.7E-07	1.0E-03	9.8E-11	1.6E-01	6.7E-01	1.0E-11
733	1.1E+00	1.6E-06	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10	5.5E-01	1.7E-07	1.0E-03	9.7E-11	1.6E-01	6.7E-01	1.0E-11
734	1.1E+00	1.6E-06	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10	5.4E-01	1.7E-07	1.0E-03	9.7E-11	1.6E-01	6.7E-01	1.0E-11
735	1.1E+00	1.6E-06	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10	5.4E-01	1.7E-07	1.0E-03	9.6E-11	1.6E-01	6.7E-01	1.0E-11
736	1.2E+00	1.6E-06	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10	5.3E-01	1.7E-07	1.0E-03	9.5E-11	1.6E-01	6.7E-01	9.9E-12
737	1.2E+00	1.6E-06	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10	5.3E-01	1.7E-07	1.0E-03	9.4E-11	1.6E-01	6.7E-01	9.8E-12
738	1.2E+00	1.6E-06	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10	5.2E-01	1.7E-07	1.0E-03	9.3E-11	1.6E-01	6.7E-01	9.7E-12
739	1.2E+00	1.6E-06	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10	5.1E-01	1.7E-07	1.0E-03	9.1E-11	1.6E-01	6.7E-01	9.6E-12
740	1.2E+00	1.6E-06	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10	5.1E-01	1.7E-07	1.0E-03	9.0E-11	1.6E-01	6.7E-01	9.5E-12
741	1.2E+00	1.6E-06	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10	5.0E-01	1.7E-07	1.0E-03	8.9E-11	1.6E-01	6.7E-01	9.3E-12
742	1.2E+00	1.6E-06	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10	4.9E-01	1.7E-07	1.0E-03	8.8E-11	1.6E-01	6.7E-01	9.2E-12
743	1.2E+00	1.6E-06	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10	4.9E-01	1.7E-07	1.0E-03	8.6E-11	1.6E-01	6.7E-01	9.1E-12
744	1.2E+00	1.6E-06	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10	4.8E-01	1.7E-07	1.0E-03	8.5E-11	1.6E-01	6.7E-01	8.9E-12
745	1.2E+00	1.6E-06	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10	4.7E-01	1.7E-07	1.0E-03	8.4E-11	1.6E-01	6.7E-01	8.8E-12
746	1.1E+00	1.6E-06	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10	4.6E-01	1.7E-07	1.0E-03	8.2E-11	1.6E-01	6.7E-01	8.7E-12
747	1.1E+00	1.6E-06	1.0E-03	1.9E-09	1.6E-01	6.7E-01	1.9E-10	4.5E-01	1.7E-07	1.0E-03	8.1E-11	1.6E-01	6.7E-01	8.5E-12
748	1.1E+00	1.6E-06	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10	4.5E-01	1.7E-07	1.0E-03	8.0E-11	1.6E-01	6.7E-01	8.4E-12
749	1.1E+00	1.6E-06	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10	4.4E-01	1.7E-07	1.0E-03	7.8E-11	1.6E-01	6.7E-01	8.2E-12
750	1.1E+00	1.6E-06	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10	4.3E-01	1.7E-07	1.0E-03	7.7E-11	1.6E-01	6.7E-01	8.1E-12
751	1.0E+00	1.6E-06	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10	4.2E-01	1.7E-07	1.0E-03	7.5E-11	1.6E-01	6.7E-01	7.9E-12
752	1.0E+00	1.6E-06	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10	4.1E-01	1.7E-07	1.0E-03	7.4E-11	1.6E-01	6.7E-01	7.8E-12
753	9.8E-01	1.6E-06	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10	4.1E-01	1.7E-07	1.0E-03	7.2E-11	1.6E-01	6.7E-01	7.6E-12
754	9.6E-01	1.6E-06	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10	4.0E-01	1.7E-07	1.0E-03	7.1E-11	1.6E-01	6.7E-01	7.4E-12
755	9.4E-01	1.6E-06	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.6E-10	5.4E-01	1.7E-07	1.0E-03	9.6E-11	1.6E-01	6.7E-01	1.0E-11
756	9.7E-01	1.6E-06	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10	5.4E-01	1.7E-07	1.0E-03	9.6E-11	1.6E-01	6.7E-01	1.0E-11
757	1.0E+00	1.6E-06	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.7E-10	5.3E-01	1.7E-07	1.0E-03	9.5E-11	1.6E-01	6.7E-01	1.0E-11
758	1.0E+00	1.6E-06	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10	5.3E-01	1.7E-07	1.0E-03	9.5E-11	1.6E-01	6.7E-01	9.9E-12
759	1.0E+00	1.6E-06	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10	5.3E-01	1.7E-07	1.0E-03	9.4E-11	1.6E-01	6.7E-01	9.9E-12
760	1.1E+00	1.6E-06	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.8E-10	5.2E-01	1.7E-07	1.0E-03	9.3E-11	1.6E-01	6.7E-01	9.8E-12
761	1.1E+00	1.6E-06	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10	5.2E-01	1.7E-07	1.0E-03	9.2E-11	1.6E-01	6.7E-01	9.7E-12
762	1.1E+00	1.6E-06	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10	5.1E-01	1.7E-07	1.0E-03	9.1E-11	1.6E-01	6.7E-01	9.6E-12
763	1.1E+00	1.6E-06	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10	5.1E-01	1.7E-07	1.0E-03	9.0E-11	1.6E-01	6.7E-01	9.5E-12
764	1.1E+00	1.6E-06	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10	5.0E-01	1.7E-07	1.0E-03	8.9E-11	1.6E-01	6.7E-01	9.4E-12
765	1.1E+00	1.6E-06	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10	5.0E-01	1.7E-07	1.0E-03	8.8E-11	1.6E-01	6.7E-01	9.3E-12
766	1.1E+00	1.6E-06	1.0E-03	1.9E-09	1.6E-01	6.7E-01	1.9E-10	4.9E-01	1.7E-07	1.0E-03	8.7E-11	1.6E-01	6.7E-01	9.2E-12
767	1.1E+00	1.6E-06	1.0E-03	1.9E-09	1.6E-01	6.7E-01	1.9E-10	4.8E-01	1.7E-07	1.0E-03	8.6E-11	1.6E-01	6.7E-01	9.1E-12
768	1.1E+00	1.6E-06	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10	4.8E-01	1.7E-07	1.0E-03	8.5E-11	1.6E-01	6.7E-01	8.9E-12
769	1.1E+00	1.6E-06	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10	4.7E-01	1.7E-07	1.0E-03	8.4E-11	1.6E-01	6.7E-01	8.8E-12
770	1.1E+00	1.6E-06	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10	4.6E-01	1.7E-07	1.0E-03	8.3E-11	1.6E-01	6.7E-01	8.7E-12
771	1.1E+00	1.6E-06	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10	4.6E-01	1.7E-07	1.0E-03	8.1E-11	1.6E-01	6.7E-01	8.5E-12
772	1.1E+00	1.6E-06	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10	4.5E-01	1.7E-07	1.0E-03	8.0E-11	1.6E-01	6.7E-01	8.4E-12
773	1.1E+00	1.6E-06	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.8E-10	4.4E-01	1.7E-07	1.0E-03	7.9E-11	1.6E-01	6.7E-01	8.3E-12
774	1.0E+00	1.6E-06	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10	4.3E-01	1.7E-07	1.0E-03	7.7E-11	1.6E-01	6.7E-01	8.1E-12

Franklin School Project

Risk From Modernization Const - Unmitigated Residential

	Haul Route 1A							Haul Route 2A						
Receptor #	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
775	1.0E+00	1.6E-06	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10	4.3E-01	1.7E-07	1.0E-03	7.6E-11	1.6E-01	6.7E-01	8.0E-12
776	1.0E+00	1.6E-06	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.7E-10	4.2E-01	1.7E-07	1.0E-03	7.5E-11	1.6E-01	6.7E-01	7.8E-12
777	9.8E-01	1.6E-06	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10	4.1E-01	1.7E-07	1.0E-03	7.3E-11	1.6E-01	6.7E-01	7.7E-12
778	9.6E-01	1.6E-06	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10	4.0E-01	1.7E-07	1.0E-03	7.2E-11	1.6E-01	6.7E-01	7.6E-12
779	9.4E-01	1.6E-06	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.6E-10	4.0E-01	1.7E-07	1.0E-03	7.1E-11	1.6E-01	6.7E-01	7.4E-12
780	9.2E-01	1.6E-06	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.6E-10	3.9E-01	1.7E-07	1.0E-03	6.9E-11	1.6E-01	6.7E-01	7.3E-12
781	8.9E-01	1.6E-06	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.6E-10	5.2E-01	1.7E-07	1.0E-03	9.3E-11	1.6E-01	6.7E-01	9.8E-12
782	9.2E-01	1.6E-06	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.6E-10	5.2E-01	1.7E-07	1.0E-03	9.2E-11	1.6E-01	6.7E-01	9.7E-12
783	9.4E-01	1.6E-06	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.6E-10	5.2E-01	1.7E-07	1.0E-03	9.2E-11	1.6E-01	6.7E-01	9.7E-12
784	9.6E-01	1.6E-06	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10	5.1E-01	1.7E-07	1.0E-03	9.1E-11	1.6E-01	6.7E-01	9.6E-12
785	9.8E-01	1.6E-06	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10	5.1E-01	1.7E-07	1.0E-03	9.1E-11	1.6E-01	6.7E-01	9.5E-12
786	1.0E+00	1.6E-06	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.7E-10	5.0E-01	1.7E-07	1.0E-03	9.0E-11	1.6E-01	6.7E-01	9.5E-12
787	1.0E+00	1.6E-06	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10	5.0E-01	1.7E-07	1.0E-03	8.9E-11	1.6E-01	6.7E-01	9.4E-12
788	1.0E+00	1.6E-06	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10	5.0E-01	1.7E-07	1.0E-03	8.8E-11	1.6E-01	6.7E-01	9.3E-12
789	1.0E+00	1.6E-06	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10	4.9E-01	1.7E-07	1.0E-03	8.7E-11	1.6E-01	6.7E-01	9.2E-12
790	1.0E+00	1.6E-06	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10	4.9E-01	1.7E-07	1.0E-03	8.7E-11	1.6E-01	6.7E-01	9.1E-12
791	1.1E+00	1.6E-06	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10	4.8E-01	1.7E-07	1.0E-03	8.6E-11	1.6E-01	6.7E-01	9.0E-12
792	1.1E+00	1.6E-06	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10	4.7E-01	1.7E-07	1.0E-03	8.5E-11	1.6E-01	6.7E-01	8.9E-12
793	1.1E+00	1.6E-06	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10	4.7E-01	1.7E-07	1.0E-03	8.4E-11	1.6E-01	6.7E-01	8.8E-12
794	1.1E+00	1.6E-06	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10	4.6E-01	1.7E-07	1.0E-03	8.2E-11	1.6E-01	6.7E-01	8.7E-12
795	1.0E+00	1.6E-06	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10	4.6E-01	1.7E-07	1.0E-03	8.1E-11	1.6E-01	6.7E-01	8.5E-12
796	1.0E+00	1.6E-06	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10	4.5E-01	1.7E-07	1.0E-03	8.0E-11	1.6E-01	6.7E-01	8.4E-12
797	1.0E+00	1.6E-06	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10	4.4E-01	1.7E-07	1.0E-03	7.9E-11	1.6E-01	6.7E-01	8.3E-12
798	1.0E+00	1.6E-06	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10	4.4E-01	1.7E-07	1.0E-03	7.8E-11	1.6E-01	6.7E-01	8.2E-12
799	1.0E+00	1.6E-06	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10	4.3E-01	1.7E-07	1.0E-03	7.7E-11	1.6E-01	6.7E-01	8.0E-12
800	9.9E-01	1.6E-06	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10	4.2E-01	1.7E-07	1.0E-03	7.5E-11	1.6E-01	6.7E-01	7.9E-12
801	9.7E-01	1.6E-06	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10	4.1E-01	1.7E-07	1.0E-03	7.4E-11	1.6E-01	6.7E-01	7.8E-12
802	9.6E-01	1.6E-06	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10	4.1E-01	1.7E-07	1.0E-03	7.3E-11	1.6E-01	6.7E-01	7.6E-12
803	9.4E-01	1.6E-06	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.6E-10	4.0E-01	1.7E-07	1.0E-03	7.1E-11	1.6E-01	6.7E-01	7.5E-12
804	9.2E-01	1.6E-06	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.6E-10	3.9E-01	1.7E-07	1.0E-03	7.0E-11	1.6E-01	6.7E-01	7.4E-12
805	9.0E-01	1.6E-06	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.6E-10	3.9E-01	1.7E-07	1.0E-03	6.9E-11	1.6E-01	6.7E-01	7.2E-12
806	8.8E-01	1.6E-06	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.5E-10	3.8E-01	1.7E-07	1.0E-03	6.8E-11	1.6E-01	6.7E-01	7.1E-12

Risk From Modernization AC - Unmitigated Residential

Franklin School Project
Risk From Modernization AC - Unmitigated Residential

	1.55	Max					Onsite		
Receptor #	**Total/ Million**	**Total**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
1	0.01	1.0E-08	2.3E-01	9.9E-04	1.0E-03	2.3E-07	1.6E-01	2.7E-01	1.0E-08
2	0.01	1.1E-08	2.5E-01	9.9E-04	1.0E-03	2.6E-07	1.6E-01	2.7E-01	1.1E-08
3	0.01	1.2E-08	2.7E-01	9.9E-04	1.0E-03	2.8E-07	1.6E-01	2.7E-01	1.2E-08
4	0.01	1.3E-08	3.0E-01	9.9E-04	1.0E-03	3.1E-07	1.6E-01	2.7E-01	1.3E-08
5	0.01	1.4E-08	3.2E-01	9.9E-04	1.0E-03	3.3E-07	1.6E-01	2.7E-01	1.4E-08
6	0.02	1.5E-08	3.5E-01	9.9E-04	1.0E-03	3.6E-07	1.6E-01	2.7E-01	1.5E-08
7	0.02	1.6E-08	3.7E-01	9.9E-04	1.0E-03	3.8E-07	1.6E-01	2.7E-01	1.6E-08
8	0.02	1.7E-08	3.9E-01	9.9E-04	1.0E-03	4.0E-07	1.6E-01	2.7E-01	1.7E-08
9	0.02	1.8E-08	4.1E-01	9.9E-04	1.0E-03	4.3E-07	1.6E-01	2.7E-01	1.8E-08
10	0.02	2.0E-08	4.4E-01	9.9E-04	1.0E-03	4.5E-07	1.6E-01	2.7E-01	2.0E-08
11	0.02	2.1E-08	4.7E-01	9.9E-04	1.0E-03	4.9E-07	1.6E-01	2.7E-01	2.1E-08
12	0.02	2.2E-08	5.0E-01	9.9E-04	1.0E-03	5.1E-07	1.6E-01	2.7E-01	2.2E-08
13	0.02	2.3E-08	5.2E-01	9.9E-04	1.0E-03	5.4E-07	1.6E-01	2.7E-01	2.3E-08
14	0.02	2.4E-08	5.4E-01	9.9E-04	1.0E-03	5.5E-07	1.6E-01	2.7E-01	2.4E-08
15	0.02	2.4E-08	5.4E-01	9.9E-04	1.0E-03	5.6E-07	1.6E-01	2.7E-01	2.4E-08
16	0.02	2.4E-08	5.3E-01	9.9E-04	1.0E-03	5.5E-07	1.6E-01	2.7E-01	2.4E-08
17	0.01	1.2E-08	2.6E-01	9.9E-04	1.0E-03	2.7E-07	1.6E-01	2.7E-01	1.2E-08
18	0.01	1.3E-08	2.9E-01	9.9E-04	1.0E-03	3.0E-07	1.6E-01	2.7E-01	1.3E-08
19	0.01	1.4E-08	3.2E-01	9.9E-04	1.0E-03	3.3E-07	1.6E-01	2.7E-01	1.4E-08
20	0.02	1.6E-08	3.6E-01	9.9E-04	1.0E-03	3.7E-07	1.6E-01	2.7E-01	1.6E-08
21	0.02	1.7E-08	3.9E-01	9.9E-04	1.0E-03	4.1E-07	1.6E-01	2.7E-01	1.7E-08
22	0.02	1.9E-08	4.3E-01	9.9E-04	1.0E-03	4.4E-07	1.6E-01	2.7E-01	1.9E-08
23	0.02	2.0E-08	4.6E-01	9.9E-04	1.0E-03	4.7E-07	1.6E-01	2.7E-01	2.0E-08
24	0.02	2.2E-08	4.9E-01	9.9E-04	1.0E-03	5.1E-07	1.6E-01	2.7E-01	2.2E-08
25	0.02	2.3E-08	5.3E-01	9.9E-04	1.0E-03	5.4E-07	1.6E-01	2.7E-01	2.3E-08
26	0.03	2.5E-08	5.7E-01	9.9E-04	1.0E-03	5.8E-07	1.6E-01	2.7E-01	2.5E-08
27	0.03	2.7E-08	6.1E-01	9.9E-04	1.0E-03	6.3E-07	1.6E-01	2.7E-01	2.7E-08
28	0.03	2.9E-08	6.5E-01	9.9E-04	1.0E-03	6.7E-07	1.6E-01	2.7E-01	2.9E-08
29	0.03	3.0E-08	6.7E-01	9.9E-04	1.0E-03	6.9E-07	1.6E-01	2.7E-01	3.0E-08
30	0.03	3.0E-08	6.8E-01	9.9E-04	1.0E-03	7.0E-07	1.6E-01	2.7E-01	3.0E-08
31	0.03	3.0E-08	6.7E-01	9.9E-04	1.0E-03	6.9E-07	1.6E-01	2.7E-01	3.0E-08
32	0.03	2.9E-08	6.5E-01	9.9E-04	1.0E-03	6.7E-07	1.6E-01	2.7E-01	2.9E-08
33	0.01	1.3E-08	3.0E-01	9.9E-04	1.0E-03	3.1E-07	1.6E-01	2.7E-01	1.3E-08
34	0.02	1.5E-08	3.4E-01	9.9E-04	1.0E-03	3.5E-07	1.6E-01	2.7E-01	1.5E-08
35	0.02	1.7E-08	3.9E-01	9.9E-04	1.0E-03	4.0E-07	1.6E-01	2.7E-01	1.7E-08
36	0.02	1.9E-08	4.4E-01	9.9E-04	1.0E-03	4.5E-07	1.6E-01	2.7E-01	1.9E-08
37	0.02	2.2E-08	4.9E-01	9.9E-04	1.0E-03	5.0E-07	1.6E-01	2.7E-01	2.2E-08
38	0.02	2.4E-08	5.4E-01	9.9E-04	1.0E-03	5.6E-07	1.6E-01	2.7E-01	2.4E-08
39	0.03	2.6E-08	5.9E-01	9.9E-04	1.0E-03	6.1E-07	1.6E-01	2.7E-01	2.6E-08
40	0.03	2.8E-08	6.4E-01	9.9E-04	1.0E-03	6.6E-07	1.6E-01	2.7E-01	2.8E-08
41	0.03	3.1E-08	6.9E-01	9.9E-04	1.0E-03	7.2E-07	1.6E-01	2.7E-01	3.1E-08
42	0.03	3.4E-08	7.6E-01	9.9E-04	1.0E-03	7.8E-07	1.6E-01	2.7E-01	3.4E-08
43	0.04	3.6E-08	8.2E-01	9.9E-04	1.0E-03	8.4E-07	1.6E-01	2.7E-01	3.6E-08

44	0.04	3.8E-08	8.6E-01	9.9E-04	1.0E-03	8.9E-07	1.6E-01	2.7E-01	3.8E-08
45	0.04	3.9E-08	8.8E-01	9.9E-04	1.0E-03	9.0E-07	1.6E-01	2.7E-01	3.9E-08
46	0.04	3.8E-08	8.6E-01	9.9E-04	1.0E-03	8.9E-07	1.6E-01	2.7E-01	3.8E-08
47	0.04	3.7E-08	8.3E-01	9.9E-04	1.0E-03	8.5E-07	1.6E-01	2.7E-01	3.7E-08
48	0.03	3.4E-08	7.8E-01	9.9E-04	1.0E-03	8.0E-07	1.6E-01	2.7E-01	3.4E-08
49	0.02	1.5E-08	3.4E-01	9.9E-04	1.0E-03	3.5E-07	1.6E-01	2.7E-01	1.5E-08
50	0.02	1.8E-08	4.0E-01	9.9E-04	1.0E-03	4.1E-07	1.6E-01	2.7E-01	1.8E-08
51	0.02	2.1E-08	4.7E-01	9.9E-04	1.0E-03	4.8E-07	1.6E-01	2.7E-01	2.1E-08
52	0.02	2.4E-08	5.4E-01	9.9E-04	1.0E-03	5.6E-07	1.6E-01	2.7E-01	2.4E-08
53	0.03	2.8E-08	6.2E-01	9.9E-04	1.0E-03	6.5E-07	1.6E-01	2.7E-01	2.8E-08
54	0.03	3.1E-08	7.1E-01	9.9E-04	1.0E-03	7.3E-07	1.6E-01	2.7E-01	3.1E-08
55	0.03	3.5E-08	7.8E-01	9.9E-04	1.0E-03	8.1E-07	1.6E-01	2.7E-01	3.5E-08
56	0.04	3.8E-08	8.6E-01	9.9E-04	1.0E-03	8.9E-07	1.6E-01	2.7E-01	3.8E-08
57	0.04	4.3E-08	9.6E-01	9.9E-04	1.0E-03	9.9E-07	1.6E-01	2.7E-01	4.3E-08
58	0.05	4.7E-08	1.1E+00	9.9E-04	1.0E-03	1.1E-06	1.6E-01	2.7E-01	4.7E-08
59	0.05	5.1E-08	1.1E+00	9.9E-04	1.0E-03	1.2E-06	1.6E-01	2.7E-01	5.1E-08
60	0.05	5.2E-08	1.2E+00	9.9E-04	1.0E-03	1.2E-06	1.6E-01	2.7E-01	5.2E-08
61	0.05	5.1E-08	1.2E+00	9.9E-04	1.0E-03	1.2E-06	1.6E-01	2.7E-01	5.1E-08
62	0.05	4.9E-08	1.1E+00	9.9E-04	1.0E-03	1.1E-06	1.6E-01	2.7E-01	4.9E-08
63	0.04	4.5E-08	1.0E+00	9.9E-04	1.0E-03	1.0E-06	1.6E-01	2.7E-01	4.5E-08
64	0.04	4.1E-08	9.2E-01	9.9E-04	1.0E-03	9.5E-07	1.6E-01	2.7E-01	4.1E-08
65	0.02	1.8E-08	4.0E-01	9.9E-04	1.0E-03	4.1E-07	1.6E-01	2.7E-01	1.8E-08
66	0.02	2.1E-08	4.7E-01	9.9E-04	1.0E-03	4.9E-07	1.6E-01	2.7E-01	2.1E-08
67	0.03	2.5E-08	5.7E-01	9.9E-04	1.0E-03	5.9E-07	1.6E-01	2.7E-01	2.5E-08
68	0.03	3.1E-08	6.9E-01	9.9E-04	1.0E-03	7.1E-07	1.6E-01	2.7E-01	3.1E-08
69	0.04	3.7E-08	8.3E-01	9.9E-04	1.0E-03	8.5E-07	1.6E-01	2.7E-01	3.7E-08
70	0.04	4.3E-08	9.7E-01	9.9E-04	1.0E-03	1.0E-06	1.6E-01	2.7E-01	4.3E-08
71	0.05	4.9E-08	1.1E+00	9.9E-04	1.0E-03	1.1E-06	1.6E-01	2.7E-01	4.9E-08
72	0.06	5.6E-08	1.3E+00	9.9E-04	1.0E-03	1.3E-06	1.6E-01	2.7E-01	5.6E-08
73	0.06	6.4E-08	1.4E+00	9.9E-04	1.0E-03	1.5E-06	1.6E-01	2.7E-01	6.4E-08
74	0.07	7.1E-08	1.6E+00	9.9E-04	1.0E-03	1.6E-06	1.6E-01	2.7E-01	7.1E-08
75	0.07	7.4E-08	1.7E+00	9.9E-04	1.0E-03	1.7E-06	1.6E-01	2.7E-01	7.4E-08
76	0.07	7.2E-08	1.6E+00	9.9E-04	1.0E-03	1.7E-06	1.6E-01	2.7E-01	7.2E-08
77	0.07	6.8E-08	1.5E+00	9.9E-04	1.0E-03	1.6E-06	1.6E-01	2.7E-01	6.8E-08
78	0.06	6.1E-08	1.4E+00	9.9E-04	1.0E-03	1.4E-06	1.6E-01	2.7E-01	6.1E-08
79	0.05	5.4E-08	1.2E+00	9.9E-04	1.0E-03	1.2E-06	1.6E-01	2.7E-01	5.4E-08
80	0.05	4.7E-08	1.1E+00	9.9E-04	1.0E-03	1.1E-06	1.6E-01	2.7E-01	4.7E-08
81	0.02	2.0E-08	4.5E-01	9.9E-04	1.0E-03	4.7E-07	1.6E-01	2.7E-01	2.0E-08
82	0.02	2.5E-08	5.6E-01	9.9E-04	1.0E-03	5.8E-07	1.6E-01	2.7E-01	2.5E-08
83	0.03	3.1E-08	7.0E-01	9.9E-04	1.0E-03	7.3E-07	1.6E-01	2.7E-01	3.1E-08
84	0.04	4.0E-08	8.9E-01	9.9E-04	1.0E-03	9.2E-07	1.6E-01	2.7E-01	4.0E-08
85	0.05	5.0E-08	1.1E+00	9.9E-04	1.0E-03	1.2E-06	1.6E-01	2.7E-01	5.0E-08
86	0.06	6.3E-08	1.4E+00	9.9E-04	1.0E-03	1.5E-06	1.6E-01	2.7E-01	6.3E-08
87	0.08	7.5E-08	1.7E+00	9.9E-04	1.0E-03	1.8E-06	1.6E-01	2.7E-01	7.5E-08
88	0.09	8.9E-08	2.0E+00	9.9E-04	1.0E-03	2.1E-06	1.6E-01	2.7E-01	8.9E-08
89	0.10	1.0E-07	2.3E+00	9.9E-04	1.0E-03	2.4E-06	1.6E-01	2.7E-01	1.0E-07
90	0.11	1.1E-07	2.5E+00	9.9E-04	1.0E-03	2.6E-06	1.6E-01	2.7E-01	1.1E-07
91	0.11	1.1E-07	2.5E+00	9.9E-04	1.0E-03	2.5E-06	1.6E-01	2.7E-01	1.1E-07
92	0.10	1.0E-07	2.2E+00	9.9E-04	1.0E-03	2.3E-06	1.6E-01	2.7E-01	1.0E-07

93	0.09	8.7E-08	2.0E+00	9.9E-04	1.0E-03	2.0E-06	1.6E-01	2.7E-01	8.7E-08
94	0.07	7.4E-08	1.7E+00	9.9E-04	1.0E-03	1.7E-06	1.6E-01	2.7E-01	7.4E-08
95	0.06	6.2E-08	1.4E+00	9.9E-04	1.0E-03	1.4E-06	1.6E-01	2.7E-01	6.2E-08
96	0.05	5.2E-08	1.2E+00	9.9E-04	1.0E-03	1.2E-06	1.6E-01	2.7E-01	5.2E-08
97	0.02	2.3E-08	5.1E-01	9.9E-04	1.0E-03	5.3E-07	1.6E-01	2.7E-01	2.3E-08
98	0.03	2.9E-08	6.5E-01	9.9E-04	1.0E-03	6.7E-07	1.6E-01	2.7E-01	2.9E-08
99	0.04	3.8E-08	8.6E-01	9.9E-04	1.0E-03	8.9E-07	1.6E-01	2.7E-01	3.8E-08
100	0.05	5.2E-08	1.2E+00	9.9E-04	1.0E-03	1.2E-06	1.6E-01	2.7E-01	5.2E-08
101	0.07	7.2E-08	1.6E+00	9.9E-04	1.0E-03	1.7E-06	1.6E-01	2.7E-01	7.2E-08
102	0.10	1.0E-07	2.2E+00	9.9E-04	1.0E-03	2.3E-06	1.6E-01	2.7E-01	1.0E-07
103	0.13	1.3E-07	3.0E+00	9.9E-04	1.0E-03	3.1E-06	1.6E-01	2.7E-01	1.3E-07
104	0.17	1.7E-07	3.8E+00	9.9E-04	1.0E-03	3.9E-06	1.6E-01	2.7E-01	1.7E-07
105	0.19	1.9E-07	4.4E+00	9.9E-04	1.0E-03	4.5E-06	1.6E-01	2.7E-01	1.9E-07
106	0.19	1.9E-07	4.2E+00	9.9E-04	1.0E-03	4.3E-06	1.6E-01	2.7E-01	1.9E-07
107	0.16	1.6E-07	3.6E+00	9.9E-04	1.0E-03	3.7E-06	1.6E-01	2.7E-01	1.6E-07
108	0.13	1.3E-07	3.0E+00	9.9E-04	1.0E-03	3.1E-06	1.6E-01	2.7E-01	1.3E-07
109	0.11	1.1E-07	2.4E+00	9.9E-04	1.0E-03	2.5E-06	1.6E-01	2.7E-01	1.1E-07
110	0.08	8.4E-08	1.9E+00	9.9E-04	1.0E-03	2.0E-06	1.6E-01	2.7E-01	8.4E-08
111	0.07	6.7E-08	1.5E+00	9.9E-04	1.0E-03	1.6E-06	1.6E-01	2.7E-01	6.7E-08
112	0.05	5.4E-08	1.2E+00	9.9E-04	1.0E-03	1.3E-06	1.6E-01	2.7E-01	5.4E-08
113	0.03	2.5E-08	5.6E-01	9.9E-04	1.0E-03	5.8E-07	1.6E-01	2.7E-01	2.5E-08
114	0.03	3.3E-08	7.5E-01	9.9E-04	1.0E-03	7.7E-07	1.6E-01	2.7E-01	3.3E-08
115	0.05	4.6E-08	1.0E+00	9.9E-04	1.0E-03	1.1E-06	1.6E-01	2.7E-01	4.6E-08
116	0.07	6.8E-08	1.5E+00	9.9E-04	1.0E-03	1.6E-06	1.6E-01	2.7E-01	6.8E-08
117	0.11	1.1E-07	2.4E+00	9.9E-04	1.0E-03	2.4E-06	1.6E-01	2.7E-01	1.1E-07
118	0.30	3.0E-07	6.8E+00	9.9E-04	1.0E-03	7.1E-06	1.6E-01	2.7E-01	3.0E-07
119	0.22	2.2E-07	5.0E+00	9.9E-04	1.0E-03	5.1E-06	1.6E-01	2.7E-01	2.2E-07
120	0.16	1.6E-07	3.6E+00	9.9E-04	1.0E-03	3.7E-06	1.6E-01	2.7E-01	1.6E-07
121	0.12	1.2E-07	2.7E+00	9.9E-04	1.0E-03	2.8E-06	1.6E-01	2.7E-01	1.2E-07
122	0.09	9.0E-08	2.0E+00	9.9E-04	1.0E-03	2.1E-06	1.6E-01	2.7E-01	9.0E-08
123	0.07	6.9E-08	1.5E+00	9.9E-04	1.0E-03	1.6E-06	1.6E-01	2.7E-01	6.9E-08
124	0.05	5.4E-08	1.2E+00	9.9E-04	1.0E-03	1.3E-06	1.6E-01	2.7E-01	5.4E-08
125	0.03	2.7E-08	6.1E-01	9.9E-04	1.0E-03	6.3E-07	1.6E-01	2.7E-01	2.7E-08
126	0.04	3.7E-08	8.2E-01	9.9E-04	1.0E-03	8.5E-07	1.6E-01	2.7E-01	3.7E-08
127	0.05	5.3E-08	1.2E+00	9.9E-04	1.0E-03	1.2E-06	1.6E-01	2.7E-01	5.3E-08
128	0.08	8.3E-08	1.9E+00	9.9E-04	1.0E-03	1.9E-06	1.6E-01	2.7E-01	8.3E-08
129	0.14	1.4E-07	3.2E+00	9.9E-04	1.0E-03	3.3E-06	1.6E-01	2.7E-01	1.4E-07
130	0.43	4.3E-07	9.6E+00	9.9E-04	1.0E-03	1.0E-05	1.6E-01	2.7E-01	4.3E-07
131	0.26	2.6E-07	5.9E+00	9.9E-04	1.0E-03	6.1E-06	1.6E-01	2.7E-01	2.6E-07
132	0.17	1.7E-07	3.9E+00	9.9E-04	1.0E-03	4.0E-06	1.6E-01	2.7E-01	1.7E-07
133	0.12	1.2E-07	2.7E+00	9.9E-04	1.0E-03	2.8E-06	1.6E-01	2.7E-01	1.2E-07
134	0.09	8.8E-08	2.0E+00	9.9E-04	1.0E-03	2.0E-06	1.6E-01	2.7E-01	8.8E-08
135	0.07	6.6E-08	1.5E+00	9.9E-04	1.0E-03	1.5E-06	1.6E-01	2.7E-01	6.6E-08
136	0.05	5.1E-08	1.1E+00	9.9E-04	1.0E-03	1.2E-06	1.6E-01	2.7E-01	5.1E-08
137	0.03	2.8E-08	6.3E-01	9.9E-04	1.0E-03	6.5E-07	1.6E-01	2.7E-01	2.8E-08
138	0.04	3.8E-08	8.6E-01	9.9E-04	1.0E-03	8.9E-07	1.6E-01	2.7E-01	3.8E-08
139	0.06	5.6E-08	1.3E+00	9.9E-04	1.0E-03	1.3E-06	1.6E-01	2.7E-01	5.6E-08
140	0.09	9.1E-08	2.0E+00	9.9E-04	1.0E-03	2.1E-06	1.6E-01	2.7E-01	9.1E-08
141	0.17	1.7E-07	3.7E+00	9.9E-04	1.0E-03	3.8E-06	1.6E-01	2.7E-01	1.7E-07

142	0.46	4.6E-07	1.0E+01	9.9E-04	1.0E-03	1.1E-05	1.6E-01	2.7E-01	4.6E-07
143	0.26	2.6E-07	5.8E+00	9.9E-04	1.0E-03	6.0E-06	1.6E-01	2.7E-01	2.6E-07
144	0.16	1.6E-07	3.6E+00	9.9E-04	1.0E-03	3.7E-06	1.6E-01	2.7E-01	1.6E-07
145	0.11	1.1E-07	2.5E+00	9.9E-04	1.0E-03	2.6E-06	1.6E-01	2.7E-01	1.1E-07
146	0.08	8.0E-08	1.8E+00	9.9E-04	1.0E-03	1.9E-06	1.6E-01	2.7E-01	8.0E-08
147	0.06	6.0E-08	1.3E+00	9.9E-04	1.0E-03	1.4E-06	1.6E-01	2.7E-01	6.0E-08
148	0.05	4.6E-08	1.0E+00	9.9E-04	1.0E-03	1.1E-06	1.6E-01	2.7E-01	4.6E-08
149	0.03	2.8E-08	6.2E-01	9.9E-04	1.0E-03	6.4E-07	1.6E-01	2.7E-01	2.8E-08
150	0.04	3.8E-08	8.4E-01	9.9E-04	1.0E-03	8.7E-07	1.6E-01	2.7E-01	3.8E-08
151	0.05	5.5E-08	1.2E+00	9.9E-04	1.0E-03	1.3E-06	1.6E-01	2.7E-01	5.5E-08
152	0.09	8.7E-08	2.0E+00	9.9E-04	1.0E-03	2.0E-06	1.6E-01	2.7E-01	8.7E-08
153	0.16	1.6E-07	3.6E+00	9.9E-04	1.0E-03	3.7E-06	1.6E-01	2.7E-01	1.6E-07
154	0.42	4.2E-07	9.4E+00	9.9E-04	1.0E-03	9.7E-06	1.6E-01	2.7E-01	4.2E-07
155	0.22	2.2E-07	4.9E+00	9.9E-04	1.0E-03	5.0E-06	1.6E-01	2.7E-01	2.2E-07
156	0.13	1.3E-07	3.0E+00	9.9E-04	1.0E-03	3.1E-06	1.6E-01	2.7E-01	1.3E-07
157	0.09	9.5E-08	2.1E+00	9.9E-04	1.0E-03	2.2E-06	1.6E-01	2.7E-01	9.5E-08
158	0.07	6.8E-08	1.5E+00	9.9E-04	1.0E-03	1.6E-06	1.6E-01	2.7E-01	6.8E-08
159	0.05	5.2E-08	1.2E+00	9.9E-04	1.0E-03	1.2E-06	1.6E-01	2.7E-01	5.2E-08
160	0.04	4.0E-08	9.1E-01	9.9E-04	1.0E-03	9.4E-07	1.6E-01	2.7E-01	4.0E-08
161	0.03	2.6E-08	5.9E-01	9.9E-04	1.0E-03	6.1E-07	1.6E-01	2.7E-01	2.6E-08
162	0.04	3.5E-08	7.9E-01	9.9E-04	1.0E-03	8.2E-07	1.6E-01	2.7E-01	3.5E-08
163	0.05	5.0E-08	1.1E+00	9.9E-04	1.0E-03	1.2E-06	1.6E-01	2.7E-01	5.0E-08
164	0.08	7.5E-08	1.7E+00	9.9E-04	1.0E-03	1.8E-06	1.6E-01	2.7E-01	7.5E-08
165	0.13	1.3E-07	3.0E+00	9.9E-04	1.0E-03	3.1E-06	1.6E-01	2.7E-01	1.3E-07
166	0.27	2.7E-07	6.1E+00	9.9E-04	1.0E-03	6.3E-06	1.6E-01	2.7E-01	2.7E-07
167	0.68	6.8E-07	1.5E+01	9.9E-04	1.0E-03	1.6E-05	1.6E-01	2.7E-01	6.8E-07
168	1.04	1.0E-06	2.3E+01	9.9E-04	1.0E-03	2.4E-05	1.6E-01	2.7E-01	1.0E-06
169	0.55	5.5E-07	1.2E+01	9.9E-04	1.0E-03	1.3E-05	1.6E-01	2.7E-01	5.5E-07
170	0.29	2.9E-07	6.4E+00	9.9E-04	1.0E-03	6.6E-06	1.6E-01	2.7E-01	2.9E-07
171	0.17	1.7E-07	3.8E+00	9.9E-04	1.0E-03	3.9E-06	1.6E-01	2.7E-01	1.7E-07
172	0.10	1.0E-07	2.3E+00	9.9E-04	1.0E-03	2.4E-06	1.6E-01	2.7E-01	1.0E-07
173	0.07	7.4E-08	1.7E+00	9.9E-04	1.0E-03	1.7E-06	1.6E-01	2.7E-01	7.4E-08
174	0.06	5.8E-08	1.3E+00	9.9E-04	1.0E-03	1.3E-06	1.6E-01	2.7E-01	5.8E-08
175	0.04	4.4E-08	1.0E+00	9.9E-04	1.0E-03	1.0E-06	1.6E-01	2.7E-01	4.4E-08
176	0.04	3.5E-08	7.9E-01	9.9E-04	1.0E-03	8.2E-07	1.6E-01	2.7E-01	3.5E-08
177	0.02	2.4E-08	5.4E-01	9.9E-04	1.0E-03	5.6E-07	1.6E-01	2.7E-01	2.4E-08
178	0.03	3.2E-08	7.1E-01	9.9E-04	1.0E-03	7.3E-07	1.6E-01	2.7E-01	3.2E-08
179	0.04	4.3E-08	9.6E-01	9.9E-04	1.0E-03	9.9E-07	1.6E-01	2.7E-01	4.3E-08
180	0.06	6.2E-08	1.4E+00	9.9E-04	1.0E-03	1.4E-06	1.6E-01	2.7E-01	6.2E-08
181	0.10	9.8E-08	2.2E+00	9.9E-04	1.0E-03	2.3E-06	1.6E-01	2.7E-01	9.8E-08
182	0.16	1.6E-07	3.7E+00	9.9E-04	1.0E-03	3.8E-06	1.6E-01	2.7E-01	1.6E-07
183	0.27	2.7E-07	6.0E+00	9.9E-04	1.0E-03	6.2E-06	1.6E-01	2.7E-01	2.7E-07
184	0.33	3.3E-07	7.5E+00	9.9E-04	1.0E-03	7.7E-06	1.6E-01	2.7E-01	3.3E-07
185	0.28	2.8E-07	6.3E+00	9.9E-04	1.0E-03	6.5E-06	1.6E-01	2.7E-01	2.8E-07
186	0.19	1.9E-07	4.2E+00	9.9E-04	1.0E-03	4.4E-06	1.6E-01	2.7E-01	1.9E-07
187	0.13	1.3E-07	2.9E+00	9.9E-04	1.0E-03	3.0E-06	1.6E-01	2.7E-01	1.3E-07
188	0.09	8.9E-08	2.0E+00	9.9E-04	1.0E-03	2.1E-06	1.6E-01	2.7E-01	8.9E-08
189	0.06	6.1E-08	1.4E+00	9.9E-04	1.0E-03	1.4E-06	1.6E-01	2.7E-01	6.1E-08
190	0.05	4.9E-08	1.1E+00	9.9E-04	1.0E-03	1.1E-06	1.6E-01	2.7E-01	4.9E-08

191	0.04	3.9E-08	8.7E-01	9.9E-04	1.0E-03	9.0E-07	1.6E-01	2.7E-01	3.9E-08
192	0.03	3.1E-08	7.0E-01	9.9E-04	1.0E-03	7.2E-07	1.6E-01	2.7E-01	3.1E-08
193	0.02	2.2E-08	4.9E-01	9.9E-04	1.0E-03	5.1E-07	1.6E-01	2.7E-01	2.2E-08
194	0.03	2.8E-08	6.2E-01	9.9E-04	1.0E-03	6.4E-07	1.6E-01	2.7E-01	2.8E-08
195	0.04	3.6E-08	8.2E-01	9.9E-04	1.0E-03	8.5E-07	1.6E-01	2.7E-01	3.6E-08
196	0.05	5.0E-08	1.1E+00	9.9E-04	1.0E-03	1.2E-06	1.6E-01	2.7E-01	5.0E-08
197	0.07	7.1E-08	1.6E+00	9.9E-04	1.0E-03	1.7E-06	1.6E-01	2.7E-01	7.1E-08
198	0.10	1.0E-07	2.3E+00	9.9E-04	1.0E-03	2.4E-06	1.6E-01	2.7E-01	1.0E-07
199	0.14	1.4E-07	3.2E+00	9.9E-04	1.0E-03	3.3E-06	1.6E-01	2.7E-01	1.4E-07
200	0.17	1.7E-07	3.8E+00	9.9E-04	1.0E-03	3.9E-06	1.6E-01	2.7E-01	1.7E-07
201	0.16	1.6E-07	3.6E+00	9.9E-04	1.0E-03	3.7E-06	1.6E-01	2.7E-01	1.6E-07
202	0.13	1.3E-07	2.8E+00	9.9E-04	1.0E-03	2.9E-06	1.6E-01	2.7E-01	1.3E-07
203	0.09	9.1E-08	2.1E+00	9.9E-04	1.0E-03	2.1E-06	1.6E-01	2.7E-01	9.1E-08
204	0.07	7.0E-08	1.6E+00	9.9E-04	1.0E-03	1.6E-06	1.6E-01	2.7E-01	7.0E-08
205	0.05	5.3E-08	1.2E+00	9.9E-04	1.0E-03	1.2E-06	1.6E-01	2.7E-01	5.3E-08
206	0.04	4.0E-08	9.0E-01	9.9E-04	1.0E-03	9.3E-07	1.6E-01	2.7E-01	4.0E-08
207	0.03	3.4E-08	7.7E-01	9.9E-04	1.0E-03	8.0E-07	1.6E-01	2.7E-01	3.4E-08
208	0.03	2.8E-08	6.3E-01	9.9E-04	1.0E-03	6.5E-07	1.6E-01	2.7E-01	2.8E-08
209	0.02	1.9E-08	4.4E-01	9.9E-04	1.0E-03	4.5E-07	1.6E-01	2.7E-01	1.9E-08
210	0.02	2.4E-08	5.4E-01	9.9E-04	1.0E-03	5.6E-07	1.6E-01	2.7E-01	2.4E-08
211	0.03	3.1E-08	6.9E-01	9.9E-04	1.0E-03	7.1E-07	1.6E-01	2.7E-01	3.1E-08
212	0.04	4.0E-08	9.0E-01	9.9E-04	1.0E-03	9.3E-07	1.6E-01	2.7E-01	4.0E-08
213	0.05	5.3E-08	1.2E+00	9.9E-04	1.0E-03	1.2E-06	1.6E-01	2.7E-01	5.3E-08
214	0.07	7.1E-08	1.6E+00	9.9E-04	1.0E-03	1.6E-06	1.6E-01	2.7E-01	7.1E-08
215	0.09	8.9E-08	2.0E+00	9.9E-04	1.0E-03	2.1E-06	1.6E-01	2.7E-01	8.9E-08
216	0.10	1.0E-07	2.3E+00	9.9E-04	1.0E-03	2.3E-06	1.6E-01	2.7E-01	1.0E-07
217	0.10	1.0E-07	2.3E+00	9.9E-04	1.0E-03	2.3E-06	1.6E-01	2.7E-01	1.0E-07
218	0.09	8.8E-08	2.0E+00	9.9E-04	1.0E-03	2.1E-06	1.6E-01	2.7E-01	8.8E-08
219	0.07	7.4E-08	1.7E+00	9.9E-04	1.0E-03	1.7E-06	1.6E-01	2.7E-01	7.4E-08
220	0.06	6.0E-08	1.4E+00	9.9E-04	1.0E-03	1.4E-06	1.6E-01	2.7E-01	6.0E-08
221	0.05	4.8E-08	1.1E+00	9.9E-04	1.0E-03	1.1E-06	1.6E-01	2.7E-01	4.8E-08
222	0.04	3.5E-08	8.0E-01	9.9E-04	1.0E-03	8.2E-07	1.6E-01	2.7E-01	3.5E-08
223	0.03	2.9E-08	6.5E-01	9.9E-04	1.0E-03	6.7E-07	1.6E-01	2.7E-01	2.9E-08
224	0.03	2.5E-08	5.7E-01	9.9E-04	1.0E-03	5.9E-07	1.6E-01	2.7E-01	2.5E-08
225	0.02	1.7E-08	3.9E-01	9.9E-04	1.0E-03	4.0E-07	1.6E-01	2.7E-01	1.7E-08
226	0.02	2.1E-08	4.7E-01	9.9E-04	1.0E-03	4.9E-07	1.6E-01	2.7E-01	2.1E-08
227	0.03	2.6E-08	5.8E-01	9.9E-04	1.0E-03	6.0E-07	1.6E-01	2.7E-01	2.6E-08
228	0.03	3.2E-08	7.3E-01	9.9E-04	1.0E-03	7.5E-07	1.6E-01	2.7E-01	3.2E-08
229	0.04	4.1E-08	9.2E-01	9.9E-04	1.0E-03	9.5E-07	1.6E-01	2.7E-01	4.1E-08
230	0.05	5.1E-08	1.2E+00	9.9E-04	1.0E-03	1.2E-06	1.6E-01	2.7E-01	5.1E-08
231	0.06	6.1E-08	1.4E+00	9.9E-04	1.0E-03	1.4E-06	1.6E-01	2.7E-01	6.1E-08
232	0.07	6.8E-08	1.5E+00	9.9E-04	1.0E-03	1.6E-06	1.6E-01	2.7E-01	6.8E-08
233	0.07	7.0E-08	1.6E+00	9.9E-04	1.0E-03	1.6E-06	1.6E-01	2.7E-01	7.0E-08
234	0.07	6.5E-08	1.5E+00	9.9E-04	1.0E-03	1.5E-06	1.6E-01	2.7E-01	6.5E-08
235	0.06	5.8E-08	1.3E+00	9.9E-04	1.0E-03	1.3E-06	1.6E-01	2.7E-01	5.8E-08
236	0.05	4.9E-08	1.1E+00	9.9E-04	1.0E-03	1.1E-06	1.6E-01	2.7E-01	4.9E-08
237	0.04	4.1E-08	9.2E-01	9.9E-04	1.0E-03	9.5E-07	1.6E-01	2.7E-01	4.1E-08
238	0.03	3.4E-08	7.6E-01	9.9E-04	1.0E-03	7.8E-07	1.6E-01	2.7E-01	3.4E-08
239	0.03	2.6E-08	5.8E-01	9.9E-04	1.0E-03	6.0E-07	1.6E-01	2.7E-01	2.6E-08

240	0.02	2.2E-08	4.9E-01	9.9E-04	1.0E-03	5.0E-07	1.6E-01	2.7E-01	2.2E-08
241	0.02	1.5E-08	3.4E-01	9.9E-04	1.0E-03	3.5E-07	1.6E-01	2.7E-01	1.5E-08
242	0.02	1.8E-08	4.0E-01	9.9E-04	1.0E-03	4.2E-07	1.6E-01	2.7E-01	1.8E-08
243	0.02	2.2E-08	4.9E-01	9.9E-04	1.0E-03	5.0E-07	1.6E-01	2.7E-01	2.2E-08
244	0.03	2.6E-08	5.9E-01	9.9E-04	1.0E-03	6.1E-07	1.6E-01	2.7E-01	2.6E-08
245	0.03	3.2E-08	7.2E-01	9.9E-04	1.0E-03	7.5E-07	1.6E-01	2.7E-01	3.2E-08
246	0.04	3.9E-08	8.7E-01	9.9E-04	1.0E-03	9.0E-07	1.6E-01	2.7E-01	3.9E-08
247	0.04	4.5E-08	1.0E+00	9.9E-04	1.0E-03	1.0E-06	1.6E-01	2.7E-01	4.5E-08
248	0.05	4.9E-08	1.1E+00	9.9E-04	1.0E-03	1.1E-06	1.6E-01	2.7E-01	4.9E-08
249	0.05	5.1E-08	1.1E+00	9.9E-04	1.0E-03	1.2E-06	1.6E-01	2.7E-01	5.1E-08
250	0.05	4.9E-08	1.1E+00	9.9E-04	1.0E-03	1.1E-06	1.6E-01	2.7E-01	4.9E-08
251	0.05	4.5E-08	1.0E+00	9.9E-04	1.0E-03	1.1E-06	1.6E-01	2.7E-01	4.5E-08
252	0.04	4.0E-08	9.0E-01	9.9E-04	1.0E-03	9.3E-07	1.6E-01	2.7E-01	4.0E-08
253	0.03	3.5E-08	7.8E-01	9.9E-04	1.0E-03	8.1E-07	1.6E-01	2.7E-01	3.5E-08
254	0.03	3.0E-08	6.7E-01	9.9E-04	1.0E-03	6.9E-07	1.6E-01	2.7E-01	3.0E-08
255	0.02	2.5E-08	5.6E-01	9.9E-04	1.0E-03	5.7E-07	1.6E-01	2.7E-01	2.5E-08
256	0.02	2.0E-08	4.4E-01	9.9E-04	1.0E-03	4.6E-07	1.6E-01	2.7E-01	2.0E-08
257	0.01	1.3E-08	3.0E-01	9.9E-04	1.0E-03	3.1E-07	1.6E-01	2.7E-01	1.3E-08
258	0.02	1.6E-08	3.5E-01	9.9E-04	1.0E-03	3.6E-07	1.6E-01	2.7E-01	1.6E-08
259	0.02	1.8E-08	4.1E-01	9.9E-04	1.0E-03	4.3E-07	1.6E-01	2.7E-01	1.8E-08
260	0.02	2.2E-08	4.9E-01	9.9E-04	1.0E-03	5.1E-07	1.6E-01	2.7E-01	2.2E-08
261	0.03	2.6E-08	5.8E-01	9.9E-04	1.0E-03	6.0E-07	1.6E-01	2.7E-01	2.6E-08
262	0.03	3.0E-08	6.8E-01	9.9E-04	1.0E-03	7.1E-07	1.6E-01	2.7E-01	3.0E-08
263	0.03	3.4E-08	7.7E-01	9.9E-04	1.0E-03	8.0E-07	1.6E-01	2.7E-01	3.4E-08
264	0.04	3.7E-08	8.4E-01	9.9E-04	1.0E-03	8.7E-07	1.6E-01	2.7E-01	3.7E-08
265	0.04	3.9E-08	8.7E-01	9.9E-04	1.0E-03	9.0E-07	1.6E-01	2.7E-01	3.9E-08
266	0.04	3.8E-08	8.6E-01	9.9E-04	1.0E-03	8.8E-07	1.6E-01	2.7E-01	3.8E-08
267	0.04	3.6E-08	8.1E-01	9.9E-04	1.0E-03	8.4E-07	1.6E-01	2.7E-01	3.6E-08
268	0.03	3.3E-08	7.4E-01	9.9E-04	1.0E-03	7.7E-07	1.6E-01	2.7E-01	3.3E-08
269	0.03	2.9E-08	6.6E-01	9.9E-04	1.0E-03	6.8E-07	1.6E-01	2.7E-01	2.9E-08
270	0.03	2.6E-08	5.8E-01	9.9E-04	1.0E-03	6.0E-07	1.6E-01	2.7E-01	2.6E-08
271	0.02	2.2E-08	5.0E-01	9.9E-04	1.0E-03	5.2E-07	1.6E-01	2.7E-01	2.2E-08
272	0.02	1.8E-08	4.1E-01	9.9E-04	1.0E-03	4.2E-07	1.6E-01	2.7E-01	1.8E-08
273	0.10	1.0E-07	2.2E+00	9.9E-04	1.0E-03	2.3E-06	1.6E-01	2.7E-01	1.0E-07
274	0.11	1.1E-07	2.4E+00	9.9E-04	1.0E-03	2.5E-06	1.6E-01	2.7E-01	1.1E-07
275	0.11	1.1E-07	2.5E+00	9.9E-04	1.0E-03	2.6E-06	1.6E-01	2.7E-01	1.1E-07
276	0.12	1.2E-07	2.7E+00	9.9E-04	1.0E-03	2.8E-06	1.6E-01	2.7E-01	1.2E-07
277	0.13	1.3E-07	2.8E+00	9.9E-04	1.0E-03	2.9E-06	1.6E-01	2.7E-01	1.3E-07
278	0.13	1.3E-07	3.0E+00	9.9E-04	1.0E-03	3.1E-06	1.6E-01	2.7E-01	1.3E-07
279	0.14	1.4E-07	3.1E+00	9.9E-04	1.0E-03	3.2E-06	1.6E-01	2.7E-01	1.4E-07
280	0.14	1.4E-07	3.3E+00	9.9E-04	1.0E-03	3.4E-06	1.6E-01	2.7E-01	1.4E-07
281	0.15	1.5E-07	3.4E+00	9.9E-04	1.0E-03	3.5E-06	1.6E-01	2.7E-01	1.5E-07
282	0.16	1.6E-07	3.6E+00	9.9E-04	1.0E-03	3.7E-06	1.6E-01	2.7E-01	1.6E-07
283	0.17	1.7E-07	3.8E+00	9.9E-04	1.0E-03	3.9E-06	1.6E-01	2.7E-01	1.7E-07
284	0.17	1.7E-07	3.9E+00	9.9E-04	1.0E-03	4.0E-06	1.6E-01	2.7E-01	1.7E-07
285	0.18	1.8E-07	4.1E+00	9.9E-04	1.0E-03	4.2E-06	1.6E-01	2.7E-01	1.8E-07
286	0.19	1.9E-07	4.2E+00	9.9E-04	1.0E-03	4.3E-06	1.6E-01	2.7E-01	1.9E-07
287	0.19	1.9E-07	4.3E+00	9.9E-04	1.0E-03	4.4E-06	1.6E-01	2.7E-01	1.9E-07
288	0.19	1.9E-07	4.4E+00	9.9E-04	1.0E-03	4.5E-06	1.6E-01	2.7E-01	1.9E-07

289	0.20	2.0E-07	4.4E+00	9.9E-04	1.0E-03	4.5E-06	1.6E-01	2.7E-01	2.0E-07
290	0.19	1.9E-07	4.4E+00	9.9E-04	1.0E-03	4.5E-06	1.6E-01	2.7E-01	1.9E-07
291	0.19	1.9E-07	4.3E+00	9.9E-04	1.0E-03	4.5E-06	1.6E-01	2.7E-01	1.9E-07
292	0.19	1.9E-07	4.3E+00	9.9E-04	1.0E-03	4.4E-06	1.6E-01	2.7E-01	1.9E-07
293	0.19	1.9E-07	4.2E+00	9.9E-04	1.0E-03	4.3E-06	1.6E-01	2.7E-01	1.9E-07
294	0.18	1.8E-07	4.1E+00	9.9E-04	1.0E-03	4.2E-06	1.6E-01	2.7E-01	1.8E-07
295	0.18	1.8E-07	4.0E+00	9.9E-04	1.0E-03	4.1E-06	1.6E-01	2.7E-01	1.8E-07
296	0.17	1.7E-07	3.9E+00	9.9E-04	1.0E-03	4.0E-06	1.6E-01	2.7E-01	1.7E-07
297	0.17	1.7E-07	3.7E+00	9.9E-04	1.0E-03	3.9E-06	1.6E-01	2.7E-01	1.7E-07
298	0.16	1.6E-07	3.6E+00	9.9E-04	1.0E-03	3.7E-06	1.6E-01	2.7E-01	1.6E-07
299	0.11	1.1E-07	2.5E+00	9.9E-04	1.0E-03	2.6E-06	1.6E-01	2.7E-01	1.1E-07
300	0.12	1.2E-07	2.7E+00	9.9E-04	1.0E-03	2.7E-06	1.6E-01	2.7E-01	1.2E-07
301	0.13	1.3E-07	2.8E+00	9.9E-04	1.0E-03	2.9E-06	1.6E-01	2.7E-01	1.3E-07
302	0.13	1.3E-07	3.0E+00	9.9E-04	1.0E-03	3.1E-06	1.6E-01	2.7E-01	1.3E-07
303	0.14	1.4E-07	3.2E+00	9.9E-04	1.0E-03	3.3E-06	1.6E-01	2.7E-01	1.4E-07
304	0.15	1.5E-07	3.4E+00	9.9E-04	1.0E-03	3.5E-06	1.6E-01	2.7E-01	1.5E-07
305	0.16	1.6E-07	3.6E+00	9.9E-04	1.0E-03	3.7E-06	1.6E-01	2.7E-01	1.6E-07
306	0.17	1.7E-07	3.8E+00	9.9E-04	1.0E-03	3.9E-06	1.6E-01	2.7E-01	1.7E-07
307	0.18	1.8E-07	4.0E+00	9.9E-04	1.0E-03	4.1E-06	1.6E-01	2.7E-01	1.8E-07
308	0.19	1.9E-07	4.2E+00	9.9E-04	1.0E-03	4.3E-06	1.6E-01	2.7E-01	1.9E-07
309	0.19	1.9E-07	4.4E+00	9.9E-04	1.0E-03	4.5E-06	1.6E-01	2.7E-01	1.9E-07
310	0.20	2.0E-07	4.6E+00	9.9E-04	1.0E-03	4.7E-06	1.6E-01	2.7E-01	2.0E-07
311	0.21	2.1E-07	4.8E+00	9.9E-04	1.0E-03	4.9E-06	1.6E-01	2.7E-01	2.1E-07
312	0.22	2.2E-07	4.9E+00	9.9E-04	1.0E-03	5.0E-06	1.6E-01	2.7E-01	2.2E-07
313	0.22	2.2E-07	5.0E+00	9.9E-04	1.0E-03	5.1E-06	1.6E-01	2.7E-01	2.2E-07
314	0.22	2.2E-07	5.0E+00	9.9E-04	1.0E-03	5.2E-06	1.6E-01	2.7E-01	2.2E-07
315	0.22	2.2E-07	5.0E+00	9.9E-04	1.0E-03	5.2E-06	1.6E-01	2.7E-01	2.2E-07
316	0.22	2.2E-07	5.0E+00	9.9E-04	1.0E-03	5.1E-06	1.6E-01	2.7E-01	2.2E-07
317	0.22	2.2E-07	4.9E+00	9.9E-04	1.0E-03	5.0E-06	1.6E-01	2.7E-01	2.2E-07
318	0.21	2.1E-07	4.8E+00	9.9E-04	1.0E-03	4.9E-06	1.6E-01	2.7E-01	2.1E-07
319	0.21	2.1E-07	4.6E+00	9.9E-04	1.0E-03	4.8E-06	1.6E-01	2.7E-01	2.1E-07
320	0.20	2.0E-07	4.5E+00	9.9E-04	1.0E-03	4.6E-06	1.6E-01	2.7E-01	2.0E-07
321	0.19	1.9E-07	4.4E+00	9.9E-04	1.0E-03	4.5E-06	1.6E-01	2.7E-01	1.9E-07
322	0.19	1.9E-07	4.2E+00	9.9E-04	1.0E-03	4.3E-06	1.6E-01	2.7E-01	1.9E-07
323	0.18	1.8E-07	4.0E+00	9.9E-04	1.0E-03	4.2E-06	1.6E-01	2.7E-01	1.8E-07
324	0.17	1.7E-07	3.9E+00	9.9E-04	1.0E-03	4.0E-06	1.6E-01	2.7E-01	1.7E-07
325	0.12	1.2E-07	2.8E+00	9.9E-04	1.0E-03	2.9E-06	1.6E-01	2.7E-01	1.2E-07
326	0.13	1.3E-07	3.0E+00	9.9E-04	1.0E-03	3.1E-06	1.6E-01	2.7E-01	1.3E-07
327	0.14	1.4E-07	3.2E+00	9.9E-04	1.0E-03	3.3E-06	1.6E-01	2.7E-01	1.4E-07
328	0.15	1.5E-07	3.4E+00	9.9E-04	1.0E-03	3.6E-06	1.6E-01	2.7E-01	1.5E-07
329	0.16	1.6E-07	3.7E+00	9.9E-04	1.0E-03	3.8E-06	1.6E-01	2.7E-01	1.6E-07
330	0.17	1.7E-07	3.9E+00	9.9E-04	1.0E-03	4.1E-06	1.6E-01	2.7E-01	1.7E-07
331	0.19	1.9E-07	4.2E+00	9.9E-04	1.0E-03	4.3E-06	1.6E-01	2.7E-01	1.9E-07
332	0.20	2.0E-07	4.4E+00	9.9E-04	1.0E-03	4.6E-06	1.6E-01	2.7E-01	2.0E-07
333	0.21	2.1E-07	4.7E+00	9.9E-04	1.0E-03	4.8E-06	1.6E-01	2.7E-01	2.1E-07
334	0.22	2.2E-07	4.9E+00	9.9E-04	1.0E-03	5.1E-06	1.6E-01	2.7E-01	2.2E-07
335	0.23	2.3E-07	5.2E+00	9.9E-04	1.0E-03	5.4E-06	1.6E-01	2.7E-01	2.3E-07
336	0.24	2.4E-07	5.4E+00	9.9E-04	1.0E-03	5.6E-06	1.6E-01	2.7E-01	2.4E-07
337	0.25	2.5E-07	5.6E+00	9.9E-04	1.0E-03	5.8E-06	1.6E-01	2.7E-01	2.5E-07

338	0.25	2.5E-07	5.7E+00	9.9E-04	1.0E-03	5.9E-06	1.6E-01	2.7E-01	2.5E-07
339	0.26	2.6E-07	5.8E+00	9.9E-04	1.0E-03	6.0E-06	1.6E-01	2.7E-01	2.6E-07
340	0.26	2.6E-07	5.8E+00	9.9E-04	1.0E-03	6.0E-06	1.6E-01	2.7E-01	2.6E-07
341	0.26	2.6E-07	5.7E+00	9.9E-04	1.0E-03	5.9E-06	1.6E-01	2.7E-01	2.6E-07
342	0.25	2.5E-07	5.6E+00	9.9E-04	1.0E-03	5.8E-06	1.6E-01	2.7E-01	2.5E-07
343	0.24	2.4E-07	5.5E+00	9.9E-04	1.0E-03	5.7E-06	1.6E-01	2.7E-01	2.4E-07
344	0.24	2.4E-07	5.3E+00	9.9E-04	1.0E-03	5.5E-06	1.6E-01	2.7E-01	2.4E-07
345	0.23	2.3E-07	5.1E+00	9.9E-04	1.0E-03	5.3E-06	1.6E-01	2.7E-01	2.3E-07
346	0.22	2.2E-07	4.9E+00	9.9E-04	1.0E-03	5.1E-06	1.6E-01	2.7E-01	2.2E-07
347	0.21	2.1E-07	4.8E+00	9.9E-04	1.0E-03	4.9E-06	1.6E-01	2.7E-01	2.1E-07
348	0.20	2.0E-07	4.6E+00	9.9E-04	1.0E-03	4.7E-06	1.6E-01	2.7E-01	2.0E-07
349	0.19	1.9E-07	4.4E+00	9.9E-04	1.0E-03	4.5E-06	1.6E-01	2.7E-01	1.9E-07
350	0.18	1.8E-07	4.2E+00	9.9E-04	1.0E-03	4.3E-06	1.6E-01	2.7E-01	1.8E-07
351	0.14	1.4E-07	3.1E+00	9.9E-04	1.0E-03	3.2E-06	1.6E-01	2.7E-01	1.4E-07
352	0.15	1.5E-07	3.4E+00	9.9E-04	1.0E-03	3.5E-06	1.6E-01	2.7E-01	1.5E-07
353	0.16	1.6E-07	3.7E+00	9.9E-04	1.0E-03	3.8E-06	1.6E-01	2.7E-01	1.6E-07
354	0.18	1.8E-07	4.0E+00	9.9E-04	1.0E-03	4.1E-06	1.6E-01	2.7E-01	1.8E-07
355	0.19	1.9E-07	4.3E+00	9.9E-04	1.0E-03	4.4E-06	1.6E-01	2.7E-01	1.9E-07
356	0.20	2.0E-07	4.6E+00	9.9E-04	1.0E-03	4.8E-06	1.6E-01	2.7E-01	2.0E-07
357	0.22	2.2E-07	4.9E+00	9.9E-04	1.0E-03	5.1E-06	1.6E-01	2.7E-01	2.2E-07
358	0.23	2.3E-07	5.2E+00	9.9E-04	1.0E-03	5.4E-06	1.6E-01	2.7E-01	2.3E-07
359	0.25	2.5E-07	5.6E+00	9.9E-04	1.0E-03	5.8E-06	1.6E-01	2.7E-01	2.5E-07
360	0.26	2.6E-07	5.9E+00	9.9E-04	1.0E-03	6.1E-06	1.6E-01	2.7E-01	2.6E-07
361	0.28	2.8E-07	6.2E+00	9.9E-04	1.0E-03	6.4E-06	1.6E-01	2.7E-01	2.8E-07
362	0.29	2.9E-07	6.5E+00	9.9E-04	1.0E-03	6.7E-06	1.6E-01	2.7E-01	2.9E-07
363	0.30	3.0E-07	6.7E+00	9.9E-04	1.0E-03	6.9E-06	1.6E-01	2.7E-01	3.0E-07
364	0.30	3.0E-07	6.8E+00	9.9E-04	1.0E-03	7.0E-06	1.6E-01	2.7E-01	3.0E-07
365	0.30	3.0E-07	6.8E+00	9.9E-04	1.0E-03	7.0E-06	1.6E-01	2.7E-01	3.0E-07
366	0.30	3.0E-07	6.7E+00	9.9E-04	1.0E-03	6.9E-06	1.6E-01	2.7E-01	3.0E-07
367	0.29	2.9E-07	6.6E+00	9.9E-04	1.0E-03	6.8E-06	1.6E-01	2.7E-01	2.9E-07
368	0.28	2.8E-07	6.4E+00	9.9E-04	1.0E-03	6.6E-06	1.6E-01	2.7E-01	2.8E-07
369	0.27	2.7E-07	6.2E+00	9.9E-04	1.0E-03	6.4E-06	1.6E-01	2.7E-01	2.7E-07
370	0.26	2.6E-07	5.9E+00	9.9E-04	1.0E-03	6.1E-06	1.6E-01	2.7E-01	2.6E-07
371	0.25	2.5E-07	5.7E+00	9.9E-04	1.0E-03	5.9E-06	1.6E-01	2.7E-01	2.5E-07
372	0.24	2.4E-07	5.4E+00	9.9E-04	1.0E-03	5.6E-06	1.6E-01	2.7E-01	2.4E-07
373	0.23	2.3E-07	5.2E+00	9.9E-04	1.0E-03	5.3E-06	1.6E-01	2.7E-01	2.3E-07
374	0.22	2.2E-07	4.9E+00	9.9E-04	1.0E-03	5.1E-06	1.6E-01	2.7E-01	2.2E-07
375	0.21	2.1E-07	4.7E+00	9.9E-04	1.0E-03	4.8E-06	1.6E-01	2.7E-01	2.1E-07
376	0.20	2.0E-07	4.4E+00	9.9E-04	1.0E-03	4.6E-06	1.6E-01	2.7E-01	2.0E-07
377	0.16	1.6E-07	3.5E+00	9.9E-04	1.0E-03	3.6E-06	1.6E-01	2.7E-01	1.6E-07
378	0.17	1.7E-07	3.9E+00	9.9E-04	1.0E-03	4.0E-06	1.6E-01	2.7E-01	1.7E-07
379	0.19	1.9E-07	4.2E+00	9.9E-04	1.0E-03	4.4E-06	1.6E-01	2.7E-01	1.9E-07
380	0.21	2.1E-07	4.6E+00	9.9E-04	1.0E-03	4.8E-06	1.6E-01	2.7E-01	2.1E-07
381	0.23	2.3E-07	5.1E+00	9.9E-04	1.0E-03	5.2E-06	1.6E-01	2.7E-01	2.3E-07
382	0.34	3.4E-07	7.6E+00	9.9E-04	1.0E-03	7.8E-06	1.6E-01	2.7E-01	3.4E-07
383	0.32	3.2E-07	7.3E+00	9.9E-04	1.0E-03	7.5E-06	1.6E-01	2.7E-01	3.2E-07
384	0.31	3.1E-07	6.9E+00	9.9E-04	1.0E-03	7.2E-06	1.6E-01	2.7E-01	3.1E-07
385	0.29	2.9E-07	6.6E+00	9.9E-04	1.0E-03	6.8E-06	1.6E-01	2.7E-01	2.9E-07
386	0.28	2.8E-07	6.2E+00	9.9E-04	1.0E-03	6.5E-06	1.6E-01	2.7E-01	2.8E-07

387	0.26	2.6E-07	5.9E+00	9.9E-04	1.0E-03	6.1E-06	1.6E-01	2.7E-01	2.6E-07
388	0.25	2.5E-07	5.6E+00	9.9E-04	1.0E-03	5.8E-06	1.6E-01	2.7E-01	2.5E-07
389	0.23	2.3E-07	5.3E+00	9.9E-04	1.0E-03	5.5E-06	1.6E-01	2.7E-01	2.3E-07
390	0.22	2.2E-07	5.0E+00	9.9E-04	1.0E-03	5.2E-06	1.6E-01	2.7E-01	2.2E-07
391	0.21	2.1E-07	4.7E+00	9.9E-04	1.0E-03	4.9E-06	1.6E-01	2.7E-01	2.1E-07
392	0.18	1.8E-07	4.0E+00	9.9E-04	1.0E-03	4.1E-06	1.6E-01	2.7E-01	1.8E-07
393	0.20	2.0E-07	4.4E+00	9.9E-04	1.0E-03	4.6E-06	1.6E-01	2.7E-01	2.0E-07
394	0.22	2.2E-07	4.9E+00	9.9E-04	1.0E-03	5.1E-06	1.6E-01	2.7E-01	2.2E-07
395	0.24	2.4E-07	5.5E+00	9.9E-04	1.0E-03	5.6E-06	1.6E-01	2.7E-01	2.4E-07
396	0.27	2.7E-07	6.1E+00	9.9E-04	1.0E-03	6.3E-06	1.6E-01	2.7E-01	2.7E-07
397	0.38	3.8E-07	8.7E+00	9.9E-04	1.0E-03	8.9E-06	1.6E-01	2.7E-01	3.8E-07
398	0.36	3.6E-07	8.2E+00	9.9E-04	1.0E-03	8.5E-06	1.6E-01	2.7E-01	3.6E-07
399	0.34	3.4E-07	7.7E+00	9.9E-04	1.0E-03	8.0E-06	1.6E-01	2.7E-01	3.4E-07
400	0.32	3.2E-07	7.3E+00	9.9E-04	1.0E-03	7.5E-06	1.6E-01	2.7E-01	3.2E-07
401	0.30	3.0E-07	6.8E+00	9.9E-04	1.0E-03	7.1E-06	1.6E-01	2.7E-01	3.0E-07
402	0.29	2.9E-07	6.4E+00	9.9E-04	1.0E-03	6.6E-06	1.6E-01	2.7E-01	2.9E-07
403	0.27	2.7E-07	6.0E+00	9.9E-04	1.0E-03	6.2E-06	1.6E-01	2.7E-01	2.7E-07
404	0.25	2.5E-07	5.6E+00	9.9E-04	1.0E-03	5.8E-06	1.6E-01	2.7E-01	2.5E-07
405	0.24	2.4E-07	5.3E+00	9.9E-04	1.0E-03	5.5E-06	1.6E-01	2.7E-01	2.4E-07
406	0.22	2.2E-07	5.0E+00	9.9E-04	1.0E-03	5.1E-06	1.6E-01	2.7E-01	2.2E-07
407	0.20	2.0E-07	4.5E+00	9.9E-04	1.0E-03	4.6E-06	1.6E-01	2.7E-01	2.0E-07
408	0.22	2.2E-07	5.0E+00	9.9E-04	1.0E-03	5.2E-06	1.6E-01	2.7E-01	2.2E-07
409	0.25	2.5E-07	5.7E+00	9.9E-04	1.0E-03	5.9E-06	1.6E-01	2.7E-01	2.5E-07
410	0.29	2.9E-07	6.5E+00	9.9E-04	1.0E-03	6.7E-06	1.6E-01	2.7E-01	2.9E-07
411	0.33	3.3E-07	7.3E+00	9.9E-04	1.0E-03	7.6E-06	1.6E-01	2.7E-01	3.3E-07
412	0.44	4.4E-07	9.9E+00	9.9E-04	1.0E-03	1.0E-05	1.6E-01	2.7E-01	4.4E-07
413	0.41	4.1E-07	9.2E+00	9.9E-04	1.0E-03	9.5E-06	1.6E-01	2.7E-01	4.1E-07
414	0.38	3.8E-07	8.6E+00	9.9E-04	1.0E-03	8.9E-06	1.6E-01	2.7E-01	3.8E-07
415	0.36	3.6E-07	8.0E+00	9.9E-04	1.0E-03	8.3E-06	1.6E-01	2.7E-01	3.6E-07
416	0.33	3.3E-07	7.4E+00	9.9E-04	1.0E-03	7.7E-06	1.6E-01	2.7E-01	3.3E-07
417	0.31	3.1E-07	6.9E+00	9.9E-04	1.0E-03	7.2E-06	1.6E-01	2.7E-01	3.1E-07
418	0.29	2.9E-07	6.4E+00	9.9E-04	1.0E-03	6.7E-06	1.6E-01	2.7E-01	2.9E-07
419	0.27	2.7E-07	6.0E+00	9.9E-04	1.0E-03	6.2E-06	1.6E-01	2.7E-01	2.7E-07
420	0.25	2.5E-07	5.6E+00	9.9E-04	1.0E-03	5.8E-06	1.6E-01	2.7E-01	2.5E-07
421	0.23	2.3E-07	5.2E+00	9.9E-04	1.0E-03	5.4E-06	1.6E-01	2.7E-01	2.3E-07
422	0.22	2.2E-07	5.1E+00	9.9E-04	1.0E-03	5.2E-06	1.6E-01	2.7E-01	2.2E-07
423	0.26	2.6E-07	5.8E+00	9.9E-04	1.0E-03	6.0E-06	1.6E-01	2.7E-01	2.6E-07
424	0.30	3.0E-07	6.7E+00	9.9E-04	1.0E-03	6.9E-06	1.6E-01	2.7E-01	3.0E-07
425	0.34	3.4E-07	7.7E+00	9.9E-04	1.0E-03	8.0E-06	1.6E-01	2.7E-01	3.4E-07
426	0.40	4.0E-07	9.0E+00	9.9E-04	1.0E-03	9.3E-06	1.6E-01	2.7E-01	4.0E-07
427	0.50	5.0E-07	1.1E+01	9.9E-04	1.0E-03	1.2E-05	1.6E-01	2.7E-01	5.0E-07
428	0.46	4.6E-07	1.0E+01	9.9E-04	1.0E-03	1.1E-05	1.6E-01	2.7E-01	4.6E-07
429	0.42	4.2E-07	9.5E+00	9.9E-04	1.0E-03	9.8E-06	1.6E-01	2.7E-01	4.2E-07
430	0.39	3.9E-07	8.7E+00	9.9E-04	1.0E-03	9.0E-06	1.6E-01	2.7E-01	3.9E-07
431	0.36	3.6E-07	8.1E+00	9.9E-04	1.0E-03	8.3E-06	1.6E-01	2.7E-01	3.6E-07
432	0.33	3.3E-07	7.4E+00	9.9E-04	1.0E-03	7.7E-06	1.6E-01	2.7E-01	3.3E-07
433	0.30	3.0E-07	6.9E+00	9.9E-04	1.0E-03	7.1E-06	1.6E-01	2.7E-01	3.0E-07
434	0.28	2.8E-07	6.3E+00	9.9E-04	1.0E-03	6.5E-06	1.6E-01	2.7E-01	2.8E-07
435	0.26	2.6E-07	5.9E+00	9.9E-04	1.0E-03	6.0E-06	1.6E-01	2.7E-01	2.6E-07

436	0.24	2.4E-07	5.4E+00	9.9E-04	1.0E-03	5.6E-06	1.6E-01	2.7E-01	2.4E-07
437	0.25	2.5E-07	5.7E+00	9.9E-04	1.0E-03	5.9E-06	1.6E-01	2.7E-01	2.5E-07
438	0.29	2.9E-07	6.6E+00	9.9E-04	1.0E-03	6.8E-06	1.6E-01	2.7E-01	2.9E-07
439	0.35	3.5E-07	7.8E+00	9.9E-04	1.0E-03	8.1E-06	1.6E-01	2.7E-01	3.5E-07
440	0.41	4.1E-07	9.3E+00	9.9E-04	1.0E-03	9.6E-06	1.6E-01	2.7E-01	4.1E-07
441	0.50	5.0E-07	1.1E+01	9.9E-04	1.0E-03	1.2E-05	1.6E-01	2.7E-01	5.0E-07
442	0.56	5.6E-07	1.3E+01	9.9E-04	1.0E-03	1.3E-05	1.6E-01	2.7E-01	5.6E-07
443	0.51	5.1E-07	1.1E+01	9.9E-04	1.0E-03	1.2E-05	1.6E-01	2.7E-01	5.1E-07
444	0.46	4.6E-07	1.0E+01	9.9E-04	1.0E-03	1.1E-05	1.6E-01	2.7E-01	4.6E-07
445	0.42	4.2E-07	9.5E+00	9.9E-04	1.0E-03	9.8E-06	1.6E-01	2.7E-01	4.2E-07
446	0.38	3.8E-07	8.6E+00	9.9E-04	1.0E-03	8.9E-06	1.6E-01	2.7E-01	3.8E-07
447	0.35	3.5E-07	7.9E+00	9.9E-04	1.0E-03	8.2E-06	1.6E-01	2.7E-01	3.5E-07
448	0.32	3.2E-07	7.2E+00	9.9E-04	1.0E-03	7.5E-06	1.6E-01	2.7E-01	3.2E-07
449	0.30	3.0E-07	6.6E+00	9.9E-04	1.0E-03	6.9E-06	1.6E-01	2.7E-01	3.0E-07
450	0.27	2.7E-07	6.1E+00	9.9E-04	1.0E-03	6.3E-06	1.6E-01	2.7E-01	2.7E-07
451	0.25	2.5E-07	5.6E+00	9.9E-04	1.0E-03	5.8E-06	1.6E-01	2.7E-01	2.5E-07
452	0.28	2.8E-07	6.4E+00	9.9E-04	1.0E-03	6.6E-06	1.6E-01	2.7E-01	2.8E-07
453	0.33	3.3E-07	7.5E+00	9.9E-04	1.0E-03	7.8E-06	1.6E-01	2.7E-01	3.3E-07
454	0.41	4.1E-07	9.2E+00	9.9E-04	1.0E-03	9.4E-06	1.6E-01	2.7E-01	4.1E-07
455	0.50	5.0E-07	1.1E+01	9.9E-04	1.0E-03	1.2E-05	1.6E-01	2.7E-01	5.0E-07
456	0.64	6.4E-07	1.4E+01	9.9E-04	1.0E-03	1.5E-05	1.6E-01	2.7E-01	6.4E-07
457	0.62	6.2E-07	1.4E+01	9.9E-04	1.0E-03	1.4E-05	1.6E-01	2.7E-01	6.2E-07
458	0.55	5.5E-07	1.2E+01	9.9E-04	1.0E-03	1.3E-05	1.6E-01	2.7E-01	5.5E-07
459	0.50	5.0E-07	1.1E+01	9.9E-04	1.0E-03	1.2E-05	1.6E-01	2.7E-01	5.0E-07
460	0.45	4.5E-07	1.0E+01	9.9E-04	1.0E-03	1.0E-05	1.6E-01	2.7E-01	4.5E-07
461	0.41	4.1E-07	9.2E+00	9.9E-04	1.0E-03	9.5E-06	1.6E-01	2.7E-01	4.1E-07
462	0.37	3.7E-07	8.3E+00	9.9E-04	1.0E-03	8.6E-06	1.6E-01	2.7E-01	3.7E-07
463	0.34	3.4E-07	7.6E+00	9.9E-04	1.0E-03	7.8E-06	1.6E-01	2.7E-01	3.4E-07
464	0.31	3.1E-07	6.9E+00	9.9E-04	1.0E-03	7.2E-06	1.6E-01	2.7E-01	3.1E-07
465	0.28	2.8E-07	6.3E+00	9.9E-04	1.0E-03	6.5E-06	1.6E-01	2.7E-01	2.8E-07
466	0.26	2.6E-07	5.8E+00	9.9E-04	1.0E-03	6.0E-06	1.6E-01	2.7E-01	2.6E-07
467	0.31	3.1E-07	7.0E+00	9.9E-04	1.0E-03	7.2E-06	1.6E-01	2.7E-01	3.1E-07
468	0.37	3.7E-07	8.4E+00	9.9E-04	1.0E-03	8.7E-06	1.6E-01	2.7E-01	3.7E-07
469	0.46	4.6E-07	1.0E+01	9.9E-04	1.0E-03	1.1E-05	1.6E-01	2.7E-01	4.6E-07
470	0.59	5.9E-07	1.3E+01	9.9E-04	1.0E-03	1.4E-05	1.6E-01	2.7E-01	5.9E-07
471	0.80	8.0E-07	1.8E+01	9.9E-04	1.0E-03	1.9E-05	1.6E-01	2.7E-01	8.0E-07
472	0.67	6.7E-07	1.5E+01	9.9E-04	1.0E-03	1.6E-05	1.6E-01	2.7E-01	6.7E-07
473	0.60	6.0E-07	1.3E+01	9.9E-04	1.0E-03	1.4E-05	1.6E-01	2.7E-01	6.0E-07
474	0.53	5.3E-07	1.2E+01	9.9E-04	1.0E-03	1.2E-05	1.6E-01	2.7E-01	5.3E-07
475	0.48	4.8E-07	1.1E+01	9.9E-04	1.0E-03	1.1E-05	1.6E-01	2.7E-01	4.8E-07
476	0.43	4.3E-07	9.6E+00	9.9E-04	1.0E-03	1.0E-05	1.6E-01	2.7E-01	4.3E-07
477	0.39	3.9E-07	8.7E+00	9.9E-04	1.0E-03	9.0E-06	1.6E-01	2.7E-01	3.9E-07
478	0.35	3.5E-07	7.9E+00	9.9E-04	1.0E-03	8.1E-06	1.6E-01	2.7E-01	3.5E-07
479	0.32	3.2E-07	7.2E+00	9.9E-04	1.0E-03	7.4E-06	1.6E-01	2.7E-01	3.2E-07
480	0.29	2.9E-07	6.5E+00	9.9E-04	1.0E-03	6.7E-06	1.6E-01	2.7E-01	2.9E-07
481	0.26	2.6E-07	5.9E+00	9.9E-04	1.0E-03	6.1E-06	1.6E-01	2.7E-01	2.6E-07
482	0.34	3.4E-07	7.6E+00	9.9E-04	1.0E-03	7.8E-06	1.6E-01	2.7E-01	3.4E-07
483	0.41	4.1E-07	9.3E+00	9.9E-04	1.0E-03	9.6E-06	1.6E-01	2.7E-01	4.1E-07
484	0.52	5.2E-07	1.2E+01	9.9E-04	1.0E-03	1.2E-05	1.6E-01	2.7E-01	5.2E-07

485	0.69	6.9E-07	1.6E+01	9.9E-04	1.0E-03	1.6E-05	1.6E-01	2.7E-01	6.9E-07
486	0.98	9.8E-07	2.2E+01	9.9E-04	1.0E-03	2.3E-05	1.6E-01	2.7E-01	9.8E-07
487	0.72	7.2E-07	1.6E+01	9.9E-04	1.0E-03	1.7E-05	1.6E-01	2.7E-01	7.2E-07
488	0.64	6.4E-07	1.4E+01	9.9E-04	1.0E-03	1.5E-05	1.6E-01	2.7E-01	6.4E-07
489	0.56	5.6E-07	1.3E+01	9.9E-04	1.0E-03	1.3E-05	1.6E-01	2.7E-01	5.6E-07
490	0.50	5.0E-07	1.1E+01	9.9E-04	1.0E-03	1.2E-05	1.6E-01	2.7E-01	5.0E-07
491	0.45	4.5E-07	1.0E+01	9.9E-04	1.0E-03	1.0E-05	1.6E-01	2.7E-01	4.5E-07
492	0.40	4.0E-07	9.0E+00	9.9E-04	1.0E-03	9.3E-06	1.6E-01	2.7E-01	4.0E-07
493	0.36	3.6E-07	8.1E+00	9.9E-04	1.0E-03	8.4E-06	1.6E-01	2.7E-01	3.6E-07
494	0.33	3.3E-07	7.3E+00	9.9E-04	1.0E-03	7.6E-06	1.6E-01	2.7E-01	3.3E-07
495	0.30	3.0E-07	6.7E+00	9.9E-04	1.0E-03	6.9E-06	1.6E-01	2.7E-01	3.0E-07
496	0.27	2.7E-07	6.0E+00	9.9E-04	1.0E-03	6.2E-06	1.6E-01	2.7E-01	2.7E-07
497	0.36	3.6E-07	8.2E+00	9.9E-04	1.0E-03	8.5E-06	1.6E-01	2.7E-01	3.6E-07
498	0.45	4.5E-07	1.0E+01	9.9E-04	1.0E-03	1.1E-05	1.6E-01	2.7E-01	4.5E-07
499	0.59	5.9E-07	1.3E+01	9.9E-04	1.0E-03	1.4E-05	1.6E-01	2.7E-01	5.9E-07
500	0.80	8.0E-07	1.8E+01	9.9E-04	1.0E-03	1.9E-05	1.6E-01	2.7E-01	8.0E-07
501	1.14	1.1E-06	2.6E+01	9.9E-04	1.0E-03	2.7E-05	1.6E-01	2.7E-01	1.1E-06
502	0.77	7.7E-07	1.7E+01	9.9E-04	1.0E-03	1.8E-05	1.6E-01	2.7E-01	7.7E-07
503	0.67	6.7E-07	1.5E+01	9.9E-04	1.0E-03	1.6E-05	1.6E-01	2.7E-01	6.7E-07
504	0.59	5.9E-07	1.3E+01	9.9E-04	1.0E-03	1.4E-05	1.6E-01	2.7E-01	5.9E-07
505	0.52	5.2E-07	1.2E+01	9.9E-04	1.0E-03	1.2E-05	1.6E-01	2.7E-01	5.2E-07
506	0.46	4.6E-07	1.0E+01	9.9E-04	1.0E-03	1.1E-05	1.6E-01	2.7E-01	4.6E-07
507	0.41	4.1E-07	9.2E+00	9.9E-04	1.0E-03	9.5E-06	1.6E-01	2.7E-01	4.1E-07
508	0.37	3.7E-07	8.3E+00	9.9E-04	1.0E-03	8.6E-06	1.6E-01	2.7E-01	3.7E-07
509	0.33	3.3E-07	7.5E+00	9.9E-04	1.0E-03	7.7E-06	1.6E-01	2.7E-01	3.3E-07
510	0.30	3.0E-07	6.7E+00	9.9E-04	1.0E-03	7.0E-06	1.6E-01	2.7E-01	3.0E-07
511	0.27	2.7E-07	6.1E+00	9.9E-04	1.0E-03	6.3E-06	1.6E-01	2.7E-01	2.7E-07
512	0.39	3.9E-07	8.7E+00	9.9E-04	1.0E-03	9.0E-06	1.6E-01	2.7E-01	3.9E-07
513	0.48	4.8E-07	1.1E+01	9.9E-04	1.0E-03	1.1E-05	1.6E-01	2.7E-01	4.8E-07
514	0.63	6.3E-07	1.4E+01	9.9E-04	1.0E-03	1.5E-05	1.6E-01	2.7E-01	6.3E-07
515	0.87	8.7E-07	2.0E+01	9.9E-04	1.0E-03	2.0E-05	1.6E-01	2.7E-01	8.7E-07
516	1.27	1.3E-06	2.8E+01	9.9E-04	1.0E-03	2.9E-05	1.6E-01	2.7E-01	1.3E-06
517	0.80	8.0E-07	1.8E+01	9.9E-04	1.0E-03	1.9E-05	1.6E-01	2.7E-01	8.0E-07
518	0.70	7.0E-07	1.6E+01	9.9E-04	1.0E-03	1.6E-05	1.6E-01	2.7E-01	7.0E-07
519	0.61	6.1E-07	1.4E+01	9.9E-04	1.0E-03	1.4E-05	1.6E-01	2.7E-01	6.1E-07
520	0.53	5.3E-07	1.2E+01	9.9E-04	1.0E-03	1.2E-05	1.6E-01	2.7E-01	5.3E-07
521	0.47	4.7E-07	1.1E+01	9.9E-04	1.0E-03	1.1E-05	1.6E-01	2.7E-01	4.7E-07
522	0.42	4.2E-07	9.4E+00	9.9E-04	1.0E-03	9.7E-06	1.6E-01	2.7E-01	4.2E-07
523	0.37	3.7E-07	8.4E+00	9.9E-04	1.0E-03	8.7E-06	1.6E-01	2.7E-01	3.7E-07
524	0.33	3.3E-07	7.5E+00	9.9E-04	1.0E-03	7.8E-06	1.6E-01	2.7E-01	3.3E-07
525	0.30	3.0E-07	6.7E+00	9.9E-04	1.0E-03	7.0E-06	1.6E-01	2.7E-01	3.0E-07
526	0.27	2.7E-07	6.1E+00	9.9E-04	1.0E-03	6.3E-06	1.6E-01	2.7E-01	2.7E-07
527	0.40	4.0E-07	9.1E+00	9.9E-04	1.0E-03	9.4E-06	1.6E-01	2.7E-01	4.0E-07
528	0.51	5.1E-07	1.1E+01	9.9E-04	1.0E-03	1.2E-05	1.6E-01	2.7E-01	5.1E-07
529	0.67	6.7E-07	1.5E+01	9.9E-04	1.0E-03	1.6E-05	1.6E-01	2.7E-01	6.7E-07
530	0.93	9.3E-07	2.1E+01	9.9E-04	1.0E-03	2.2E-05	1.6E-01	2.7E-01	9.3E-07
531	1.36	1.4E-06	3.1E+01	9.9E-04	1.0E-03	3.2E-05	1.6E-01	2.7E-01	1.4E-06
532	0.83	8.3E-07	1.9E+01	9.9E-04	1.0E-03	1.9E-05	1.6E-01	2.7E-01	8.3E-07
533	0.72	7.2E-07	1.6E+01	9.9E-04	1.0E-03	1.7E-05	1.6E-01	2.7E-01	7.2E-07

534	0.62	6.2E-07	1.4E+01	9.9E-04	1.0E-03	1.4E-05	1.6E-01	2.7E-01	6.2E-07
535	0.54	5.4E-07	1.2E+01	9.9E-04	1.0E-03	1.2E-05	1.6E-01	2.7E-01	5.4E-07
536	0.47	4.7E-07	1.1E+01	9.9E-04	1.0E-03	1.1E-05	1.6E-01	2.7E-01	4.7E-07
537	0.42	4.2E-07	9.4E+00	9.9E-04	1.0E-03	9.7E-06	1.6E-01	2.7E-01	4.2E-07
538	0.37	3.7E-07	8.3E+00	9.9E-04	1.0E-03	8.6E-06	1.6E-01	2.7E-01	3.7E-07
539	0.33	3.3E-07	7.5E+00	9.9E-04	1.0E-03	7.7E-06	1.6E-01	2.7E-01	3.3E-07
540	0.30	3.0E-07	6.7E+00	9.9E-04	1.0E-03	6.9E-06	1.6E-01	2.7E-01	3.0E-07
541	0.27	2.7E-07	6.0E+00	9.9E-04	1.0E-03	6.2E-06	1.6E-01	2.7E-01	2.7E-07
542	0.42	4.2E-07	9.4E+00	9.9E-04	1.0E-03	9.7E-06	1.6E-01	2.7E-01	4.2E-07
543	0.53	5.3E-07	1.2E+01	9.9E-04	1.0E-03	1.2E-05	1.6E-01	2.7E-01	5.3E-07
544	0.71	7.1E-07	1.6E+01	9.9E-04	1.0E-03	1.7E-05	1.6E-01	2.7E-01	7.1E-07
545	0.98	9.8E-07	2.2E+01	9.9E-04	1.0E-03	2.3E-05	1.6E-01	2.7E-01	9.8E-07
546	1.41	1.4E-06	3.2E+01	9.9E-04	1.0E-03	3.3E-05	1.6E-01	2.7E-01	1.4E-06
547	0.85	8.5E-07	1.9E+01	9.9E-04	1.0E-03	2.0E-05	1.6E-01	2.7E-01	8.5E-07
548	0.73	7.3E-07	1.6E+01	9.9E-04	1.0E-03	1.7E-05	1.6E-01	2.7E-01	7.3E-07
549	0.62	6.2E-07	1.4E+01	9.9E-04	1.0E-03	1.4E-05	1.6E-01	2.7E-01	6.2E-07
550	0.54	5.4E-07	1.2E+01	9.9E-04	1.0E-03	1.2E-05	1.6E-01	2.7E-01	5.4E-07
551	0.46	4.6E-07	1.0E+01	9.9E-04	1.0E-03	1.1E-05	1.6E-01	2.7E-01	4.6E-07
552	0.40	4.0E-07	9.0E+00	9.9E-04	1.0E-03	9.3E-06	1.6E-01	2.7E-01	4.0E-07
553	0.36	3.6E-07	8.0E+00	9.9E-04	1.0E-03	8.3E-06	1.6E-01	2.7E-01	3.6E-07
554	0.32	3.2E-07	7.2E+00	9.9E-04	1.0E-03	7.4E-06	1.6E-01	2.7E-01	3.2E-07
555	0.29	2.9E-07	6.4E+00	9.9E-04	1.0E-03	6.7E-06	1.6E-01	2.7E-01	2.9E-07
556	0.26	2.6E-07	5.8E+00	9.9E-04	1.0E-03	6.0E-06	1.6E-01	2.7E-01	2.6E-07
557	0.42	4.2E-07	9.5E+00	9.9E-04	1.0E-03	9.8E-06	1.6E-01	2.7E-01	4.2E-07
558	0.54	5.4E-07	1.2E+01	9.9E-04	1.0E-03	1.3E-05	1.6E-01	2.7E-01	5.4E-07
559	0.73	7.3E-07	1.6E+01	9.9E-04	1.0E-03	1.7E-05	1.6E-01	2.7E-01	7.3E-07
560	1.01	1.0E-06	2.3E+01	9.9E-04	1.0E-03	2.3E-05	1.6E-01	2.7E-01	1.0E-06
561	1.44	1.4E-06	3.2E+01	9.9E-04	1.0E-03	3.4E-05	1.6E-01	2.7E-01	1.4E-06
562	0.73	7.3E-07	1.6E+01	9.9E-04	1.0E-03	1.7E-05	1.6E-01	2.7E-01	7.3E-07
563	0.62	6.2E-07	1.4E+01	9.9E-04	1.0E-03	1.5E-05	1.6E-01	2.7E-01	6.2E-07
564	0.53	5.3E-07	1.2E+01	9.9E-04	1.0E-03	1.2E-05	1.6E-01	2.7E-01	5.3E-07
565	0.43	4.3E-07	9.8E+00	9.9E-04	1.0E-03	1.0E-05	1.6E-01	2.7E-01	4.3E-07
566	0.38	3.8E-07	8.5E+00	9.9E-04	1.0E-03	8.8E-06	1.6E-01	2.7E-01	3.8E-07
567	0.33	3.3E-07	7.5E+00	9.9E-04	1.0E-03	7.8E-06	1.6E-01	2.7E-01	3.3E-07
568	0.30	3.0E-07	6.7E+00	9.9E-04	1.0E-03	6.9E-06	1.6E-01	2.7E-01	3.0E-07
569	0.27	2.7E-07	6.0E+00	9.9E-04	1.0E-03	6.2E-06	1.6E-01	2.7E-01	2.7E-07
570	0.24	2.4E-07	5.5E+00	9.9E-04	1.0E-03	5.6E-06	1.6E-01	2.7E-01	2.4E-07
571	0.43	4.3E-07	9.6E+00	9.9E-04	1.0E-03	9.9E-06	1.6E-01	2.7E-01	4.3E-07
572	0.55	5.5E-07	1.2E+01	9.9E-04	1.0E-03	1.3E-05	1.6E-01	2.7E-01	5.5E-07
573	0.73	7.3E-07	1.6E+01	9.9E-04	1.0E-03	1.7E-05	1.6E-01	2.7E-01	7.3E-07
574	1.02	1.0E-06	2.3E+01	9.9E-04	1.0E-03	2.4E-05	1.6E-01	2.7E-01	1.0E-06
575	1.45	1.5E-06	3.3E+01	9.9E-04	1.0E-03	3.4E-05	1.6E-01	2.7E-01	1.5E-06
576	0.62	6.2E-07	1.4E+01	9.9E-04	1.0E-03	1.4E-05	1.6E-01	2.7E-01	6.2E-07
577	0.53	5.3E-07	1.2E+01	9.9E-04	1.0E-03	1.2E-05	1.6E-01	2.7E-01	5.3E-07
578	0.44	4.4E-07	1.0E+01	9.9E-04	1.0E-03	1.0E-05	1.6E-01	2.7E-01	4.4E-07
579	0.39	3.9E-07	8.7E+00	9.9E-04	1.0E-03	9.0E-06	1.6E-01	2.7E-01	3.9E-07
580	0.34	3.4E-07	7.6E+00	9.9E-04	1.0E-03	7.8E-06	1.6E-01	2.7E-01	3.4E-07
581	0.29	2.9E-07	6.6E+00	9.9E-04	1.0E-03	6.9E-06	1.6E-01	2.7E-01	2.9E-07
582	0.26	2.6E-07	5.9E+00	9.9E-04	1.0E-03	6.1E-06	1.6E-01	2.7E-01	2.6E-07

583	0.23	2.3E-07	5.2E+00	9.9E-04	1.0E-03	5.4E-06	1.6E-01	2.7E-01	2.3E-07
584	0.43	4.3E-07	9.6E+00	9.9E-04	1.0E-03	9.9E-06	1.6E-01	2.7E-01	4.3E-07
585	0.55	5.5E-07	1.2E+01	9.9E-04	1.0E-03	1.3E-05	1.6E-01	2.7E-01	5.5E-07
586	0.73	7.3E-07	1.6E+01	9.9E-04	1.0E-03	1.7E-05	1.6E-01	2.7E-01	7.3E-07
587	1.00	1.0E-06	2.3E+01	9.9E-04	1.0E-03	2.3E-05	1.6E-01	2.7E-01	1.0E-06
588	1.44	1.4E-06	3.2E+01	9.9E-04	1.0E-03	3.3E-05	1.6E-01	2.7E-01	1.4E-06
589	0.53	5.3E-07	1.2E+01	9.9E-04	1.0E-03	1.2E-05	1.6E-01	2.7E-01	5.3E-07
590	0.45	4.5E-07	1.0E+01	9.9E-04	1.0E-03	1.1E-05	1.6E-01	2.7E-01	4.5E-07
591	0.40	4.0E-07	8.9E+00	9.9E-04	1.0E-03	9.2E-06	1.6E-01	2.7E-01	4.0E-07
592	0.34	3.4E-07	7.7E+00	9.9E-04	1.0E-03	7.9E-06	1.6E-01	2.7E-01	3.4E-07
593	0.30	3.0E-07	6.8E+00	9.9E-04	1.0E-03	7.0E-06	1.6E-01	2.7E-01	3.0E-07
594	0.26	2.6E-07	5.9E+00	9.9E-04	1.0E-03	6.1E-06	1.6E-01	2.7E-01	2.6E-07
595	0.23	2.3E-07	5.2E+00	9.9E-04	1.0E-03	5.3E-06	1.6E-01	2.7E-01	2.3E-07
596	0.42	4.2E-07	9.4E+00	9.9E-04	1.0E-03	9.7E-06	1.6E-01	2.7E-01	4.2E-07
597	0.54	5.4E-07	1.2E+01	9.9E-04	1.0E-03	1.3E-05	1.6E-01	2.7E-01	5.4E-07
598	0.71	7.1E-07	1.6E+01	9.9E-04	1.0E-03	1.6E-05	1.6E-01	2.7E-01	7.1E-07
599	0.97	9.7E-07	2.2E+01	9.9E-04	1.0E-03	2.3E-05	1.6E-01	2.7E-01	9.7E-07
600	1.39	1.4E-06	3.1E+01	9.9E-04	1.0E-03	3.2E-05	1.6E-01	2.7E-01	1.4E-06
601	0.44	4.4E-07	9.8E+00	9.9E-04	1.0E-03	1.0E-05	1.6E-01	2.7E-01	4.4E-07
602	0.38	3.8E-07	8.6E+00	9.9E-04	1.0E-03	8.8E-06	1.6E-01	2.7E-01	3.8E-07
603	0.33	3.3E-07	7.4E+00	9.9E-04	1.0E-03	7.7E-06	1.6E-01	2.7E-01	3.3E-07
604	0.29	2.9E-07	6.6E+00	9.9E-04	1.0E-03	6.8E-06	1.6E-01	2.7E-01	2.9E-07
605	0.26	2.6E-07	5.8E+00	9.9E-04	1.0E-03	6.0E-06	1.6E-01	2.7E-01	2.6E-07
606	0.23	2.3E-07	5.1E+00	9.9E-04	1.0E-03	5.3E-06	1.6E-01	2.7E-01	2.3E-07
607	0.40	4.0E-07	9.0E+00	9.9E-04	1.0E-03	9.3E-06	1.6E-01	2.7E-01	4.0E-07
608	0.52	5.2E-07	1.2E+01	9.9E-04	1.0E-03	1.2E-05	1.6E-01	2.7E-01	5.2E-07
609	0.67	6.7E-07	1.5E+01	9.9E-04	1.0E-03	1.6E-05	1.6E-01	2.7E-01	6.7E-07
610	0.91	9.1E-07	2.1E+01	9.9E-04	1.0E-03	2.1E-05	1.6E-01	2.7E-01	9.1E-07
611	1.30	1.3E-06	2.9E+01	9.9E-04	1.0E-03	3.0E-05	1.6E-01	2.7E-01	1.3E-06
612	0.42	4.2E-07	9.4E+00	9.9E-04	1.0E-03	9.7E-06	1.6E-01	2.7E-01	4.2E-07
613	0.36	3.6E-07	8.2E+00	9.9E-04	1.0E-03	8.4E-06	1.6E-01	2.7E-01	3.6E-07
614	0.32	3.2E-07	7.1E+00	9.9E-04	1.0E-03	7.4E-06	1.6E-01	2.7E-01	3.2E-07
615	0.28	2.8E-07	6.3E+00	9.9E-04	1.0E-03	6.5E-06	1.6E-01	2.7E-01	2.8E-07
616	0.25	2.5E-07	5.5E+00	9.9E-04	1.0E-03	5.7E-06	1.6E-01	2.7E-01	2.5E-07
617	0.22	2.2E-07	4.9E+00	9.9E-04	1.0E-03	5.0E-06	1.6E-01	2.7E-01	2.2E-07
618	0.38	3.8E-07	8.6E+00	9.9E-04	1.0E-03	8.8E-06	1.6E-01	2.7E-01	3.8E-07
619	0.48	4.8E-07	1.1E+01	9.9E-04	1.0E-03	1.1E-05	1.6E-01	2.7E-01	4.8E-07
620	0.63	6.3E-07	1.4E+01	9.9E-04	1.0E-03	1.5E-05	1.6E-01	2.7E-01	6.3E-07
621	0.83	8.3E-07	1.9E+01	9.9E-04	1.0E-03	1.9E-05	1.6E-01	2.7E-01	8.3E-07
622	1.17	1.2E-06	2.6E+01	9.9E-04	1.0E-03	2.7E-05	1.6E-01	2.7E-01	1.2E-06
623	0.39	3.9E-07	8.8E+00	9.9E-04	1.0E-03	9.1E-06	1.6E-01	2.7E-01	3.9E-07
624	0.34	3.4E-07	7.7E+00	9.9E-04	1.0E-03	7.9E-06	1.6E-01	2.7E-01	3.4E-07
625	0.30	3.0E-07	6.7E+00	9.9E-04	1.0E-03	7.0E-06	1.6E-01	2.7E-01	3.0E-07
626	0.26	2.6E-07	6.0E+00	9.9E-04	1.0E-03	6.1E-06	1.6E-01	2.7E-01	2.6E-07
627	0.24	2.4E-07	5.3E+00	9.9E-04	1.0E-03	5.5E-06	1.6E-01	2.7E-01	2.4E-07
628	0.21	2.1E-07	4.7E+00	9.9E-04	1.0E-03	4.9E-06	1.6E-01	2.7E-01	2.1E-07
629	0.36	3.6E-07	8.0E+00	9.9E-04	1.0E-03	8.3E-06	1.6E-01	2.7E-01	3.6E-07
630	0.44	4.4E-07	9.9E+00	9.9E-04	1.0E-03	1.0E-05	1.6E-01	2.7E-01	4.4E-07
631	0.56	5.6E-07	1.3E+01	9.9E-04	1.0E-03	1.3E-05	1.6E-01	2.7E-01	5.6E-07

632	0.74	7.4E-07	1.7E+01	9.9E-04	1.0E-03	1.7E-05	1.6E-01	2.7E-01	7.4E-07
633	1.01	1.0E-06	2.3E+01	9.9E-04	1.0E-03	2.4E-05	1.6E-01	2.7E-01	1.0E-06
634	0.37	3.7E-07	8.2E+00	9.9E-04	1.0E-03	8.5E-06	1.6E-01	2.7E-01	3.7E-07
635	0.32	3.2E-07	7.2E+00	9.9E-04	1.0E-03	7.4E-06	1.6E-01	2.7E-01	3.2E-07
636	0.28	2.8E-07	6.3E+00	9.9E-04	1.0E-03	6.5E-06	1.6E-01	2.7E-01	2.8E-07
637	0.25	2.5E-07	5.6E+00	9.9E-04	1.0E-03	5.8E-06	1.6E-01	2.7E-01	2.5E-07
638	0.22	2.2E-07	5.0E+00	9.9E-04	1.0E-03	5.2E-06	1.6E-01	2.7E-01	2.2E-07
639	0.20	2.0E-07	4.5E+00	9.9E-04	1.0E-03	4.6E-06	1.6E-01	2.7E-01	2.0E-07
640	0.33	3.3E-07	7.4E+00	9.9E-04	1.0E-03	7.6E-06	1.6E-01	2.7E-01	3.3E-07
641	0.40	4.0E-07	9.0E+00	9.9E-04	1.0E-03	9.3E-06	1.6E-01	2.7E-01	4.0E-07
642	0.50	5.0E-07	1.1E+01	9.9E-04	1.0E-03	1.2E-05	1.6E-01	2.7E-01	5.0E-07
643	0.64	6.4E-07	1.4E+01	9.9E-04	1.0E-03	1.5E-05	1.6E-01	2.7E-01	6.4E-07
644	0.84	8.4E-07	1.9E+01	9.9E-04	1.0E-03	2.0E-05	1.6E-01	2.7E-01	8.4E-07
645	0.34	3.4E-07	7.6E+00	9.9E-04	1.0E-03	7.8E-06	1.6E-01	2.7E-01	3.4E-07
646	0.30	3.0E-07	6.7E+00	9.9E-04	1.0E-03	6.9E-06	1.6E-01	2.7E-01	3.0E-07
647	0.26	2.6E-07	5.9E+00	9.9E-04	1.0E-03	6.1E-06	1.6E-01	2.7E-01	2.6E-07
648	0.24	2.4E-07	5.3E+00	9.9E-04	1.0E-03	5.5E-06	1.6E-01	2.7E-01	2.4E-07
649	0.21	2.1E-07	4.7E+00	9.9E-04	1.0E-03	4.9E-06	1.6E-01	2.7E-01	2.1E-07
650	0.19	1.9E-07	4.3E+00	9.9E-04	1.0E-03	4.4E-06	1.6E-01	2.7E-01	1.9E-07
651	0.30	3.0E-07	6.8E+00	9.9E-04	1.0E-03	7.0E-06	1.6E-01	2.7E-01	3.0E-07
652	0.36	3.6E-07	8.2E+00	9.9E-04	1.0E-03	8.4E-06	1.6E-01	2.7E-01	3.6E-07
653	0.44	4.4E-07	1.0E+01	9.9E-04	1.0E-03	1.0E-05	1.6E-01	2.7E-01	4.4E-07
654	0.55	5.5E-07	1.2E+01	9.9E-04	1.0E-03	1.3E-05	1.6E-01	2.7E-01	5.5E-07
655	0.69	6.9E-07	1.6E+01	9.9E-04	1.0E-03	1.6E-05	1.6E-01	2.7E-01	6.9E-07
656	0.88	8.8E-07	2.0E+01	9.9E-04	1.0E-03	2.0E-05	1.6E-01	2.7E-01	8.8E-07
657	1.11	1.1E-06	2.5E+01	9.9E-04	1.0E-03	2.6E-05	1.6E-01	2.7E-01	1.1E-06
658	1.34	1.3E-06	3.0E+01	9.9E-04	1.0E-03	3.1E-05	1.6E-01	2.7E-01	1.3E-06
659	1.50	1.5E-06	3.4E+01	9.9E-04	1.0E-03	3.5E-05	1.6E-01	2.7E-01	1.5E-06
660	1.55	1.6E-06	3.5E+01	9.9E-04	1.0E-03	3.6E-05	1.6E-01	2.7E-01	1.6E-06
661	1.48	1.5E-06	3.3E+01	9.9E-04	1.0E-03	3.4E-05	1.6E-01	2.7E-01	1.5E-06
662	1.30	1.3E-06	2.9E+01	9.9E-04	1.0E-03	3.0E-05	1.6E-01	2.7E-01	1.3E-06
663	1.08	1.1E-06	2.4E+01	9.9E-04	1.0E-03	2.5E-05	1.6E-01	2.7E-01	1.1E-06
664	0.90	9.0E-07	2.0E+01	9.9E-04	1.0E-03	2.1E-05	1.6E-01	2.7E-01	9.0E-07
665	0.75	7.5E-07	1.7E+01	9.9E-04	1.0E-03	1.7E-05	1.6E-01	2.7E-01	7.5E-07
666	0.63	6.3E-07	1.4E+01	9.9E-04	1.0E-03	1.5E-05	1.6E-01	2.7E-01	6.3E-07
667	0.54	5.4E-07	1.2E+01	9.9E-04	1.0E-03	1.3E-05	1.6E-01	2.7E-01	5.4E-07
668	0.46	4.6E-07	1.0E+01	9.9E-04	1.0E-03	1.1E-05	1.6E-01	2.7E-01	4.6E-07
669	0.40	4.0E-07	9.1E+00	9.9E-04	1.0E-03	9.4E-06	1.6E-01	2.7E-01	4.0E-07
670	0.35	3.5E-07	7.9E+00	9.9E-04	1.0E-03	8.2E-06	1.6E-01	2.7E-01	3.5E-07
671	0.31	3.1E-07	7.0E+00	9.9E-04	1.0E-03	7.2E-06	1.6E-01	2.7E-01	3.1E-07
672	0.28	2.8E-07	6.2E+00	9.9E-04	1.0E-03	6.4E-06	1.6E-01	2.7E-01	2.8E-07
673	0.25	2.5E-07	5.5E+00	9.9E-04	1.0E-03	5.7E-06	1.6E-01	2.7E-01	2.5E-07
674	0.22	2.2E-07	5.0E+00	9.9E-04	1.0E-03	5.1E-06	1.6E-01	2.7E-01	2.2E-07
675	0.20	2.0E-07	4.5E+00	9.9E-04	1.0E-03	4.6E-06	1.6E-01	2.7E-01	2.0E-07
676	0.18	1.8E-07	4.0E+00	9.9E-04	1.0E-03	4.2E-06	1.6E-01	2.7E-01	1.8E-07
677	0.27	2.7E-07	6.1E+00	9.9E-04	1.0E-03	6.3E-06	1.6E-01	2.7E-01	2.7E-07
678	0.32	3.2E-07	7.2E+00	9.9E-04	1.0E-03	7.5E-06	1.6E-01	2.7E-01	3.2E-07
679	0.39	3.9E-07	8.7E+00	9.9E-04	1.0E-03	9.0E-06	1.6E-01	2.7E-01	3.9E-07
680	0.47	4.7E-07	1.0E+01	9.9E-04	1.0E-03	1.1E-05	1.6E-01	2.7E-01	4.7E-07

681	0.57	5.7E-07	1.3E+01	9.9E-04	1.0E-03	1.3E-05	1.6E-01	2.7E-01	5.7E-07
682	0.68	6.8E-07	1.5E+01	9.9E-04	1.0E-03	1.6E-05	1.6E-01	2.7E-01	6.8E-07
683	0.82	8.2E-07	1.8E+01	9.9E-04	1.0E-03	1.9E-05	1.6E-01	2.7E-01	8.2E-07
684	0.95	9.5E-07	2.1E+01	9.9E-04	1.0E-03	2.2E-05	1.6E-01	2.7E-01	9.5E-07
685	1.04	1.0E-06	2.3E+01	9.9E-04	1.0E-03	2.4E-05	1.6E-01	2.7E-01	1.0E-06
686	1.07	1.1E-06	2.4E+01	9.9E-04	1.0E-03	2.5E-05	1.6E-01	2.7E-01	1.1E-06
687	1.04	1.0E-06	2.3E+01	9.9E-04	1.0E-03	2.4E-05	1.6E-01	2.7E-01	1.0E-06
688	0.95	9.5E-07	2.1E+01	9.9E-04	1.0E-03	2.2E-05	1.6E-01	2.7E-01	9.5E-07
689	0.84	8.4E-07	1.9E+01	9.9E-04	1.0E-03	1.9E-05	1.6E-01	2.7E-01	8.4E-07
690	0.73	7.3E-07	1.6E+01	9.9E-04	1.0E-03	1.7E-05	1.6E-01	2.7E-01	7.3E-07
691	0.63	6.3E-07	1.4E+01	9.9E-04	1.0E-03	1.5E-05	1.6E-01	2.7E-01	6.3E-07
692	0.55	5.5E-07	1.2E+01	9.9E-04	1.0E-03	1.3E-05	1.6E-01	2.7E-01	5.5E-07
693	0.47	4.7E-07	1.1E+01	9.9E-04	1.0E-03	1.1E-05	1.6E-01	2.7E-01	4.7E-07
694	0.42	4.2E-07	9.3E+00	9.9E-04	1.0E-03	9.6E-06	1.6E-01	2.7E-01	4.2E-07
695	0.36	3.6E-07	8.2E+00	9.9E-04	1.0E-03	8.5E-06	1.6E-01	2.7E-01	3.6E-07
696	0.32	3.2E-07	7.2E+00	9.9E-04	1.0E-03	7.5E-06	1.6E-01	2.7E-01	3.2E-07
697	0.29	2.9E-07	6.4E+00	9.9E-04	1.0E-03	6.6E-06	1.6E-01	2.7E-01	2.9E-07
698	0.26	2.6E-07	5.7E+00	9.9E-04	1.0E-03	5.9E-06	1.6E-01	2.7E-01	2.6E-07
699	0.23	2.3E-07	5.2E+00	9.9E-04	1.0E-03	5.3E-06	1.6E-01	2.7E-01	2.3E-07
700	0.21	2.1E-07	4.6E+00	9.9E-04	1.0E-03	4.8E-06	1.6E-01	2.7E-01	2.1E-07
701	0.19	1.9E-07	4.2E+00	9.9E-04	1.0E-03	4.3E-06	1.6E-01	2.7E-01	1.9E-07
702	0.17	1.7E-07	3.8E+00	9.9E-04	1.0E-03	3.9E-06	1.6E-01	2.7E-01	1.7E-07
703	0.24	2.4E-07	5.5E+00	9.9E-04	1.0E-03	5.7E-06	1.6E-01	2.7E-01	2.4E-07
704	0.29	2.9E-07	6.4E+00	9.9E-04	1.0E-03	6.6E-06	1.6E-01	2.7E-01	2.9E-07
705	0.34	3.4E-07	7.5E+00	9.9E-04	1.0E-03	7.8E-06	1.6E-01	2.7E-01	3.4E-07
706	0.39	3.9E-07	8.9E+00	9.9E-04	1.0E-03	9.2E-06	1.6E-01	2.7E-01	3.9E-07
707	0.47	4.7E-07	1.0E+01	9.9E-04	1.0E-03	1.1E-05	1.6E-01	2.7E-01	4.7E-07
708	0.55	5.5E-07	1.2E+01	9.9E-04	1.0E-03	1.3E-05	1.6E-01	2.7E-01	5.5E-07
709	0.63	6.3E-07	1.4E+01	9.9E-04	1.0E-03	1.5E-05	1.6E-01	2.7E-01	6.3E-07
710	0.71	7.1E-07	1.6E+01	9.9E-04	1.0E-03	1.6E-05	1.6E-01	2.7E-01	7.1E-07
711	0.76	7.6E-07	1.7E+01	9.9E-04	1.0E-03	1.8E-05	1.6E-01	2.7E-01	7.6E-07
712	0.79	7.9E-07	1.8E+01	9.9E-04	1.0E-03	1.8E-05	1.6E-01	2.7E-01	7.9E-07
713	0.77	7.7E-07	1.7E+01	9.9E-04	1.0E-03	1.8E-05	1.6E-01	2.7E-01	7.7E-07
714	0.73	7.3E-07	1.6E+01	9.9E-04	1.0E-03	1.7E-05	1.6E-01	2.7E-01	7.3E-07
715	0.67	6.7E-07	1.5E+01	9.9E-04	1.0E-03	1.5E-05	1.6E-01	2.7E-01	6.7E-07
716	0.60	6.0E-07	1.3E+01	9.9E-04	1.0E-03	1.4E-05	1.6E-01	2.7E-01	6.0E-07
717	0.53	5.3E-07	1.2E+01	9.9E-04	1.0E-03	1.2E-05	1.6E-01	2.7E-01	5.3E-07
718	0.47	4.7E-07	1.1E+01	9.9E-04	1.0E-03	1.1E-05	1.6E-01	2.7E-01	4.7E-07
719	0.42	4.2E-07	9.4E+00	9.9E-04	1.0E-03	9.7E-06	1.6E-01	2.7E-01	4.2E-07
720	0.37	3.7E-07	8.3E+00	9.9E-04	1.0E-03	8.6E-06	1.6E-01	2.7E-01	3.7E-07
721	0.33	3.3E-07	7.4E+00	9.9E-04	1.0E-03	7.6E-06	1.6E-01	2.7E-01	3.3E-07
722	0.29	2.9E-07	6.6E+00	9.9E-04	1.0E-03	6.8E-06	1.6E-01	2.7E-01	2.9E-07
723	0.26	2.6E-07	5.9E+00	9.9E-04	1.0E-03	6.1E-06	1.6E-01	2.7E-01	2.6E-07
724	0.24	2.4E-07	5.3E+00	9.9E-04	1.0E-03	5.5E-06	1.6E-01	2.7E-01	2.4E-07
725	0.21	2.1E-07	4.8E+00	9.9E-04	1.0E-03	5.0E-06	1.6E-01	2.7E-01	2.1E-07
726	0.19	1.9E-07	4.4E+00	9.9E-04	1.0E-03	4.5E-06	1.6E-01	2.7E-01	1.9E-07
727	0.18	1.8E-07	4.0E+00	9.9E-04	1.0E-03	4.1E-06	1.6E-01	2.7E-01	1.8E-07
728	0.16	1.6E-07	3.6E+00	9.9E-04	1.0E-03	3.7E-06	1.6E-01	2.7E-01	1.6E-07
729	0.22	2.2E-07	5.0E+00	9.9E-04	1.0E-03	5.1E-06	1.6E-01	2.7E-01	2.2E-07

730	0.25	2.5E-07	5.7E+00	9.9E-04	1.0E-03	5.9E-06	1.6E-01	2.7E-01	2.5E-07
731	0.29	2.9E-07	6.6E+00	9.9E-04	1.0E-03	6.8E-06	1.6E-01	2.7E-01	2.9E-07
732	0.34	3.4E-07	7.6E+00	9.9E-04	1.0E-03	7.9E-06	1.6E-01	2.7E-01	3.4E-07
733	0.39	3.9E-07	8.7E+00	9.9E-04	1.0E-03	9.0E-06	1.6E-01	2.7E-01	3.9E-07
734	0.44	4.4E-07	1.0E+01	9.9E-04	1.0E-03	1.0E-05	1.6E-01	2.7E-01	4.4E-07
735	0.50	5.0E-07	1.1E+01	9.9E-04	1.0E-03	1.2E-05	1.6E-01	2.7E-01	5.0E-07
736	0.55	5.5E-07	1.2E+01	9.9E-04	1.0E-03	1.3E-05	1.6E-01	2.7E-01	5.5E-07
737	0.59	5.9E-07	1.3E+01	9.9E-04	1.0E-03	1.4E-05	1.6E-01	2.7E-01	5.9E-07
738	0.60	6.0E-07	1.4E+01	9.9E-04	1.0E-03	1.4E-05	1.6E-01	2.7E-01	6.0E-07
739	0.60	6.0E-07	1.4E+01	9.9E-04	1.0E-03	1.4E-05	1.6E-01	2.7E-01	6.0E-07
740	0.58	5.8E-07	1.3E+01	9.9E-04	1.0E-03	1.3E-05	1.6E-01	2.7E-01	5.8E-07
741	0.54	5.4E-07	1.2E+01	9.9E-04	1.0E-03	1.3E-05	1.6E-01	2.7E-01	5.4E-07
742	0.50	5.0E-07	1.1E+01	9.9E-04	1.0E-03	1.2E-05	1.6E-01	2.7E-01	5.0E-07
743	0.45	4.5E-07	1.0E+01	9.9E-04	1.0E-03	1.1E-05	1.6E-01	2.7E-01	4.5E-07
744	0.41	4.1E-07	9.2E+00	9.9E-04	1.0E-03	9.5E-06	1.6E-01	2.7E-01	4.1E-07
745	0.37	3.7E-07	8.3E+00	9.9E-04	1.0E-03	8.5E-06	1.6E-01	2.7E-01	3.7E-07
746	0.33	3.3E-07	7.4E+00	9.9E-04	1.0E-03	7.7E-06	1.6E-01	2.7E-01	3.3E-07
747	0.30	3.0E-07	6.7E+00	9.9E-04	1.0E-03	6.9E-06	1.6E-01	2.7E-01	3.0E-07
748	0.27	2.7E-07	6.0E+00	9.9E-04	1.0E-03	6.2E-06	1.6E-01	2.7E-01	2.7E-07
749	0.24	2.4E-07	5.4E+00	9.9E-04	1.0E-03	5.6E-06	1.6E-01	2.7E-01	2.4E-07
750	0.22	2.2E-07	4.9E+00	9.9E-04	1.0E-03	5.1E-06	1.6E-01	2.7E-01	2.2E-07
751	0.20	2.0E-07	4.5E+00	9.9E-04	1.0E-03	4.6E-06	1.6E-01	2.7E-01	2.0E-07
752	0.18	1.8E-07	4.1E+00	9.9E-04	1.0E-03	4.2E-06	1.6E-01	2.7E-01	1.8E-07
753	0.17	1.7E-07	3.7E+00	9.9E-04	1.0E-03	3.8E-06	1.6E-01	2.7E-01	1.7E-07
754	0.15	1.5E-07	3.4E+00	9.9E-04	1.0E-03	3.5E-06	1.6E-01	2.7E-01	1.5E-07
755	0.20	2.0E-07	4.5E+00	9.9E-04	1.0E-03	4.6E-06	1.6E-01	2.7E-01	2.0E-07
756	0.23	2.3E-07	5.1E+00	9.9E-04	1.0E-03	5.2E-06	1.6E-01	2.7E-01	2.3E-07
757	0.26	2.6E-07	5.8E+00	9.9E-04	1.0E-03	6.0E-06	1.6E-01	2.7E-01	2.6E-07
758	0.29	2.9E-07	6.5E+00	9.9E-04	1.0E-03	6.8E-06	1.6E-01	2.7E-01	2.9E-07
759	0.33	3.3E-07	7.4E+00	9.9E-04	1.0E-03	7.6E-06	1.6E-01	2.7E-01	3.3E-07
760	0.37	3.7E-07	8.3E+00	9.9E-04	1.0E-03	8.6E-06	1.6E-01	2.7E-01	3.7E-07
761	0.41	4.1E-07	9.2E+00	9.9E-04	1.0E-03	9.5E-06	1.6E-01	2.7E-01	4.1E-07
762	0.44	4.4E-07	9.9E+00	9.9E-04	1.0E-03	1.0E-05	1.6E-01	2.7E-01	4.4E-07
763	0.47	4.7E-07	1.1E+01	9.9E-04	1.0E-03	1.1E-05	1.6E-01	2.7E-01	4.7E-07
764	0.48	4.8E-07	1.1E+01	9.9E-04	1.0E-03	1.1E-05	1.6E-01	2.7E-01	4.8E-07
765	0.48	4.8E-07	1.1E+01	9.9E-04	1.0E-03	1.1E-05	1.6E-01	2.7E-01	4.8E-07
766	0.47	4.7E-07	1.1E+01	9.9E-04	1.0E-03	1.1E-05	1.6E-01	2.7E-01	4.7E-07
767	0.45	4.5E-07	1.0E+01	9.9E-04	1.0E-03	1.0E-05	1.6E-01	2.7E-01	4.5E-07
768	0.42	4.2E-07	9.5E+00	9.9E-04	1.0E-03	9.8E-06	1.6E-01	2.7E-01	4.2E-07
769	0.39	3.9E-07	8.8E+00	9.9E-04	1.0E-03	9.1E-06	1.6E-01	2.7E-01	3.9E-07
770	0.36	3.6E-07	8.0E+00	9.9E-04	1.0E-03	8.3E-06	1.6E-01	2.7E-01	3.6E-07
771	0.33	3.3E-07	7.3E+00	9.9E-04	1.0E-03	7.6E-06	1.6E-01	2.7E-01	3.3E-07
772	0.30	3.0E-07	6.7E+00	9.9E-04	1.0E-03	6.9E-06	1.6E-01	2.7E-01	3.0E-07
773	0.27	2.7E-07	6.1E+00	9.9E-04	1.0E-03	6.3E-06	1.6E-01	2.7E-01	2.7E-07
774	0.24	2.4E-07	5.5E+00	9.9E-04	1.0E-03	5.7E-06	1.6E-01	2.7E-01	2.4E-07
775	0.22	2.2E-07	5.0E+00	9.9E-04	1.0E-03	5.1E-06	1.6E-01	2.7E-01	2.2E-07
776	0.20	2.0E-07	4.5E+00	9.9E-04	1.0E-03	4.7E-06	1.6E-01	2.7E-01	2.0E-07
777	0.18	1.8E-07	4.2E+00	9.9E-04	1.0E-03	4.3E-06	1.6E-01	2.7E-01	1.8E-07
778	0.17	1.7E-07	3.8E+00	9.9E-04	1.0E-03	3.9E-06	1.6E-01	2.7E-01	1.7E-07

779	0.16	1.6E-07	3.5E+00	9.9E-04	1.0E-03	3.6E-06	1.6E-01	2.7E-01	1.6E-07
780	0.14	1.4E-07	3.2E+00	9.9E-04	1.0E-03	3.3E-06	1.6E-01	2.7E-01	1.4E-07
781	0.18	1.8E-07	4.0E+00	9.9E-04	1.0E-03	4.2E-06	1.6E-01	2.7E-01	1.8E-07
782	0.20	2.0E-07	4.5E+00	9.9E-04	1.0E-03	4.7E-06	1.6E-01	2.7E-01	2.0E-07
783	0.23	2.3E-07	5.1E+00	9.9E-04	1.0E-03	5.2E-06	1.6E-01	2.7E-01	2.3E-07
784	0.25	2.5E-07	5.7E+00	9.9E-04	1.0E-03	5.9E-06	1.6E-01	2.7E-01	2.5E-07
785	0.28	2.8E-07	6.3E+00	9.9E-04	1.0E-03	6.6E-06	1.6E-01	2.7E-01	2.8E-07
786	0.31	3.1E-07	7.0E+00	9.9E-04	1.0E-03	7.2E-06	1.6E-01	2.7E-01	3.1E-07
787	0.34	3.4E-07	7.6E+00	9.9E-04	1.0E-03	7.9E-06	1.6E-01	2.7E-01	3.4E-07
788	0.36	3.6E-07	8.2E+00	9.9E-04	1.0E-03	8.5E-06	1.6E-01	2.7E-01	3.6E-07
789	0.38	3.8E-07	8.6E+00	9.9E-04	1.0E-03	8.9E-06	1.6E-01	2.7E-01	3.8E-07
790	0.39	3.9E-07	8.9E+00	9.9E-04	1.0E-03	9.2E-06	1.6E-01	2.7E-01	3.9E-07
791	0.40	4.0E-07	8.9E+00	9.9E-04	1.0E-03	9.2E-06	1.6E-01	2.7E-01	4.0E-07
792	0.39	3.9E-07	8.8E+00	9.9E-04	1.0E-03	9.1E-06	1.6E-01	2.7E-01	3.9E-07
793	0.38	3.8E-07	8.5E+00	9.9E-04	1.0E-03	8.8E-06	1.6E-01	2.7E-01	3.8E-07
794	0.36	3.6E-07	8.1E+00	9.9E-04	1.0E-03	8.4E-06	1.6E-01	2.7E-01	3.6E-07
795	0.34	3.4E-07	7.6E+00	9.9E-04	1.0E-03	7.9E-06	1.6E-01	2.7E-01	3.4E-07
796	0.31	3.1E-07	7.1E+00	9.9E-04	1.0E-03	7.3E-06	1.6E-01	2.7E-01	3.1E-07
797	0.29	2.9E-07	6.5E+00	9.9E-04	1.0E-03	6.8E-06	1.6E-01	2.7E-01	2.9E-07
798	0.27	2.7E-07	6.0E+00	9.9E-04	1.0E-03	6.2E-06	1.6E-01	2.7E-01	2.7E-07
799	0.24	2.4E-07	5.5E+00	9.9E-04	1.0E-03	5.7E-06	1.6E-01	2.7E-01	2.4E-07
800	0.22	2.2E-07	5.0E+00	9.9E-04	1.0E-03	5.2E-06	1.6E-01	2.7E-01	2.2E-07
801	0.20	2.0E-07	4.6E+00	9.9E-04	1.0E-03	4.7E-06	1.6E-01	2.7E-01	2.0E-07
802	0.19	1.9E-07	4.2E+00	9.9E-04	1.0E-03	4.4E-06	1.6E-01	2.7E-01	1.9E-07
803	0.17	1.7E-07	3.9E+00	9.9E-04	1.0E-03	4.0E-06	1.6E-01	2.7E-01	1.7E-07
804	0.16	1.6E-07	3.6E+00	9.9E-04	1.0E-03	3.7E-06	1.6E-01	2.7E-01	1.6E-07
805	0.15	1.5E-07	3.3E+00	9.9E-04	1.0E-03	3.4E-06	1.6E-01	2.7E-01	1.5E-07
806	0.14	1.4E-07	3.0E+00	9.9E-04	1.0E-03	3.1E-06	1.6E-01	2.7E-01	1.4E-07

Risk From Portable Set-up - Unmitigated Residential

Franklin School Project

Risk From Portable Set-up - Unmitigated Residential

	0.00	Max								
							Onsite			
Receptor #	**Total/ Million**	**Total**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**
1	0.00	7.1E-12		0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.2E-01
2	0.00	8.1E-12		0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.6E-01
3	0.00	9.1E-12		0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	4.1E-01
4	0.00	1.0E-11		0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	4.6E-01
5	0.00	1.1E-11		0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	5.1E-01
6	0.00	1.1E-11		0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	5.5E-01
7	0.00	1.2E-11		0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	6.0E-01
8	0.00	1.2E-11		0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	6.4E-01
9	0.00	1.2E-11		0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	6.9E-01
10	0.00	1.2E-11		0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	7.5E-01
11	0.00	1.3E-11		0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	8.0E-01
12	0.00	1.3E-11		0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	8.4E-01
13	0.00	1.3E-11		0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	8.5E-01
14	0.00	1.2E-11		0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	8.3E-01
15	0.00	1.2E-11		0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	7.9E-01
16	0.00	1.1E-11		0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	7.4E-01
17	0.00	1.1E-11		0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.8E-01
18	0.00	1.3E-11		0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	4.4E-01
19	0.00	1.4E-11		0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	5.1E-01
20	0.00	1.5E-11		0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	5.8E-01
21	0.00	1.7E-11		0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	6.6E-01
22	0.00	1.8E-11		0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	7.3E-01
23	0.00	1.8E-11		0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	8.0E-01
24	0.00	1.7E-11		0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	8.7E-01
25	0.00	1.7E-11		0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	9.6E-01
26	0.00	1.7E-11		0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.1E+00
27	0.00	1.8E-11		0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.1E+00
28	0.00	1.8E-11		0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.1E+00
29	0.00	1.7E-11		0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.1E+00
30	0.00	1.5E-11		0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.0E+00
31	0.00	1.4E-11		0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	9.6E-01
32	0.00	1.2E-11		0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	8.7E-01
33	0.00	1.1E-11		0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	4.4E-01
34	0.00	1.6E-11		0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	5.3E-01
35	0.00	1.3E-11		0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	6.3E-01
36	0.00	1.5E-11		0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	7.6E-01
37	0.00	1.7E-11		0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	8.9E-01
38	0.00	1.9E-11		0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.0E+00
39	0.00	2.2E-11		0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.1E+00
40	0.00	2.5E-11		0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.3E+00
41	0.00	2.5E-11		0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.4E+00
42	0.00	2.6E-11		0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.5E+00
43	0.00	2.5E-11		0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.6E+00

44	0.00	2.4E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.5E+00
45	0.00	2.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.4E+00
46	0.00	1.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.3E+00
47	0.00	1.6E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.1E+00
48	0.00	1.4E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	9.8E-01
49	0.00	1.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	5.2E-01
50	0.00	1.6E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	6.4E-01
51	0.00	1.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	8.1E-01
52	0.00	1.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.0E+00
53	0.00	2.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.3E+00
54	0.00	2.6E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.5E+00
55	0.00	3.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.7E+00
56	0.00	3.7E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.0E+00
57	0.00	4.0E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.3E+00
58	0.00	4.0E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.4E+00
59	0.00	3.7E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.3E+00
60	0.00	3.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.1E+00
61	0.00	2.7E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.8E+00
62	0.00	2.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.5E+00
63	0.00	1.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.3E+00
64	0.00	1.4E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.1E+00
65	0.00	1.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	6.0E-01
66	0.00	1.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	7.8E-01
67	0.00	1.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.0E+00
68	0.00	2.4E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.4E+00
69	0.00	3.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.9E+00
70	0.00	4.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.5E+00
71	0.00	5.6E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.0E+00
72	0.00	6.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.6E+00
73	0.00	7.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.9E+00
74	0.00	6.6E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.7E+00
75	0.00	5.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.2E+00
76	0.00	4.0E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.6E+00
77	0.00	3.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.1E+00
78	0.00	2.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.7E+00
79	0.00	1.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.4E+00
80	0.00	1.4E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.1E+00
81	0.00	1.0E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	6.8E-01
82	0.00	1.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	9.3E-01
83	0.00	1.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.3E+00
84	0.00	2.6E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.0E+00
85	0.00	4.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.1E+00
86	0.00	7.7E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	4.8E+00
87	0.00	1.3E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	6.6E+00
88	0.00	1.7E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	7.9E+00
89	0.00	1.5E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	7.2E+00
90	0.00	1.0E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	5.6E+00
91	0.00	6.7E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	4.2E+00
92	0.00	4.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.1E+00

93	0.00	3.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.3E+00
94	0.00	2.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.8E+00
95	0.00	1.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.4E+00
96	0.00	1.4E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.1E+00
97	0.00	9.7E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	7.5E-01
98	0.00	1.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.1E+00
99	0.00	1.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.6E+00
100	0.00	3.0E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.7E+00
101	0.00	6.0E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	5.2E+00
102	0.00	1.7E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.2E+01
103	0.00	6.2E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.3E+01
104	0.00	7.0E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.0E+01
105	0.00	2.8E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.2E+01
106	0.00	1.3E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	7.4E+00
107	0.00	7.0E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	4.7E+00
108	0.00	4.4E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.2E+00
109	0.00	3.0E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.3E+00
110	0.00	2.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.7E+00
111	0.00	1.6E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.3E+00
112	0.00	1.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.0E+00
113	0.00	9.2E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	7.9E-01
114	0.00	1.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.1E+00
115	0.00	1.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.8E+00
116	0.00	3.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.3E+00
117	0.00	6.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	7.6E+00
118	0.00	1.1E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	7.7E+00
119	0.00	6.0E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	4.5E+00
120	0.00	3.7E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.0E+00
121	0.00	2.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.1E+00
122	0.00	1.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.5E+00
123	0.00	1.4E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.1E+00
124	0.00	1.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	9.0E-01
125	0.00	8.5E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	7.8E-01
126	0.00	1.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.1E+00
127	0.00	1.7E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.8E+00
128	0.00	2.7E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.3E+00
129	0.00	4.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	7.4E+00
130	0.00	7.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	6.3E+00
131	0.00	4.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.7E+00
132	0.00	2.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.4E+00
133	0.00	2.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.7E+00
134	0.00	1.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.3E+00
135	0.00	1.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	9.9E-01
136	0.00	9.3E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	7.8E-01
137	0.00	7.7E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	7.4E-01
138	0.00	1.0E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.0E+00
139	0.00	1.4E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.6E+00
140	0.00	2.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.7E+00
141	0.00	3.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	5.0E+00

142	0.00	4.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	4.5E+00
143	0.00	3.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.9E+00
144	0.00	2.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.0E+00
145	0.00	1.7E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.5E+00
146	0.00	1.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.1E+00
147	0.00	1.0E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	8.6E-01
148	0.00	8.2E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	6.9E-01
149	0.00	6.8E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	6.7E-01
150	0.00	8.7E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	9.0E-01
151	0.00	1.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.3E+00
152	0.00	1.6E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.0E+00
153	0.00	2.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.1E+00
154	0.00	3.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.3E+00
155	0.00	2.6E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.3E+00
156	0.00	1.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.6E+00
157	0.00	1.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.2E+00
158	0.00	1.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	9.6E-01
159	0.00	9.2E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	7.6E-01
160	0.00	7.4E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	6.1E-01
161	0.00	5.9E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	5.9E-01
162	0.00	7.3E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	7.6E-01
163	0.00	9.2E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.0E+00
164	0.00	1.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.4E+00
165	0.00	1.6E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.1E+00
166	0.00	2.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.9E+00
167	0.00	2.6E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.6E+00
168	0.00	2.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.6E+00
169	0.00	2.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.1E+00
170	0.00	2.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.5E+00
171	0.00	2.0E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.9E+00
172	0.00	1.6E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.3E+00
173	0.00	1.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.0E+00
174	0.00	1.0E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	8.5E-01
175	0.00	8.3E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	6.8E-01
176	0.00	6.8E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	5.6E-01
177	0.00	5.1E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	5.1E-01
178	0.00	6.2E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	6.4E-01
179	0.00	7.6E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	8.2E-01
180	0.00	9.6E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.1E+00
181	0.00	1.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.5E+00
182	0.00	1.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.9E+00
183	0.00	1.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.2E+00
184	0.00	2.0E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.3E+00
185	0.00	2.0E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.2E+00
186	0.00	1.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.8E+00
187	0.00	1.6E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.5E+00
188	0.00	1.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.2E+00
189	0.00	1.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	9.0E-01
190	0.00	9.1E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	7.6E-01

191	0.00	7.6E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	6.3E-01
192	0.00	6.3E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	5.2E-01
193	0.00	4.5E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	4.4E-01
194	0.00	5.3E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	5.4E-01
195	0.00	6.4E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	6.7E-01
196	0.00	7.8E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	8.6E-01
197	0.00	9.6E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.1E+00
198	0.00	1.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.3E+00
199	0.00	1.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.5E+00
200	0.00	1.4E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.6E+00
201	0.00	1.4E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.5E+00
202	0.00	1.4E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.4E+00
203	0.00	1.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.1E+00
204	0.00	1.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	9.7E-01
205	0.00	9.2E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	8.0E-01
206	0.00	7.6E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	6.5E-01
207	0.00	6.8E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	5.7E-01
208	0.00	5.8E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	4.8E-01
209	0.00	3.9E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.8E-01
210	0.00	4.6E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	4.6E-01
211	0.00	5.4E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	5.6E-01
212	0.00	6.5E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	6.8E-01
213	0.00	7.7E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	8.3E-01
214	0.00	8.9E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	9.7E-01
215	0.00	9.9E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.1E+00
216	0.00	1.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.1E+00
217	0.00	1.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.1E+00
218	0.00	1.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.1E+00
219	0.00	1.0E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	9.6E-01
220	0.00	9.1E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	8.4E-01
221	0.00	8.1E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	7.2E-01
222	0.00	6.7E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	5.8E-01
223	0.00	5.8E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	4.9E-01
224	0.00	5.3E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	4.4E-01
225	0.00	3.5E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.4E-01
226	0.00	4.0E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	4.0E-01
227	0.00	4.7E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	4.7E-01
228	0.00	5.4E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	5.6E-01
229	0.00	6.3E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	6.5E-01
230	0.00	7.1E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	7.5E-01
231	0.00	7.8E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	8.3E-01
232	0.00	8.4E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	8.7E-01
233	0.00	8.6E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	8.7E-01
234	0.00	8.5E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	8.4E-01
235	0.00	8.1E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	7.8E-01
236	0.00	7.6E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	7.1E-01
237	0.00	6.9E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	6.2E-01
238	0.00	6.2E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	5.4E-01
239	0.00	5.1E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	4.4E-01

240	0.00	4.5E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.8E-01
241	0.00	3.1E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.9E-01
242	0.00	3.5E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.4E-01
243	0.00	4.0E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	4.0E-01
244	0.00	4.6E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	4.6E-01
245	0.00	5.2E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	5.3E-01
246	0.00	5.8E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	6.0E-01
247	0.00	6.4E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	6.5E-01
248	0.00	6.7E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	6.8E-01
249	0.00	6.9E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	6.9E-01
250	0.00	6.9E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	6.7E-01
251	0.00	6.7E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	6.4E-01
252	0.00	6.3E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	5.9E-01
253	0.00	5.9E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	5.4E-01
254	0.00	5.4E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	4.8E-01
255	0.00	4.8E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	4.2E-01
256	0.00	4.1E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.5E-01
257	0.00	2.7E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.6E-01
258	0.00	3.1E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.0E-01
259	0.00	3.5E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.4E-01
260	0.00	3.9E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.9E-01
261	0.00	4.4E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	4.4E-01
262	0.00	4.9E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	4.9E-01
263	0.00	5.3E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	5.3E-01
264	0.00	5.5E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	5.5E-01
265	0.00	5.7E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	5.6E-01
266	0.00	5.7E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	5.5E-01
267	0.00	5.6E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	5.3E-01
268	0.00	5.4E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	5.0E-01
269	0.00	5.1E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	4.6E-01
270	0.00	4.7E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	4.2E-01
271	0.00	4.3E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.8E-01
272	0.00	3.7E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.2E-01
273	0.00	1.7E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.2E+01
274	0.00	2.1E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.4E+01
275	0.00	2.8E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.6E+01
276	0.00	3.7E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.9E+01
277	0.00	4.9E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.1E+01
278	0.00	6.2E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.3E+01
279	0.00	7.3E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.5E+01
280	0.00	7.9E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.4E+01
281	0.00	8.1E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.3E+01
282	0.00	7.8E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.2E+01
283	0.00	7.0E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.0E+01
284	0.00	5.9E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.8E+01
285	0.00	4.9E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.7E+01
286	0.00	4.0E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.5E+01
287	0.00	3.3E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.3E+01
288	0.00	2.8E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.2E+01

289	0.00	2.3E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.1E+01
290	0.00	2.0E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	9.9E+00
291	0.00	1.7E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	9.0E+00
292	0.00	1.5E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	8.1E+00
293	0.00	1.3E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	7.4E+00
294	0.00	1.1E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	6.7E+00
295	0.00	9.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	6.1E+00
296	0.00	8.7E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	5.6E+00
297	0.00	7.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	5.1E+00
298	0.00	7.0E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	4.7E+00
299	0.00	1.9E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.4E+01
300	0.00	2.5E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.8E+01
301	0.00	3.5E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.2E+01
302	0.00	5.0E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.6E+01
303	0.00	1.8E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.1E+01
304	0.00	2.5E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.4E+01
305	0.00	3.7E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.5E+01
306	0.00	5.4E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.3E+01
307	0.00	5.5E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.0E+01
308	0.00	4.0E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.7E+01
309	0.00	3.1E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.4E+01
310	0.00	7.9E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.1E+01
311	0.00	6.0E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.9E+01
312	0.00	4.6E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.7E+01
313	0.00	3.7E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.5E+01
314	0.00	3.0E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.3E+01
315	0.00	2.4E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.2E+01
316	0.00	2.0E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.0E+01
317	0.00	1.7E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	9.4E+00
318	0.00	1.5E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	8.4E+00
319	0.00	1.3E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	7.6E+00
320	0.00	1.1E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	6.9E+00
321	0.00	9.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	6.2E+00
322	0.00	8.7E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	5.7E+00
323	0.00	7.7E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	5.2E+00
324	0.00	6.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	4.8E+00
325	0.00	2.1E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.8E+01
326	0.00	2.9E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.3E+01
327	0.00	4.2E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.9E+01
328	0.00	6.6E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.8E+01
329	0.00	2.1E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	4.8E+01
330	0.00	3.2E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	5.4E+01
331	0.00	5.0E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	5.3E+01
332	0.00	5.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	4.7E+01
333	0.00	4.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	4.0E+01
334	0.00	5.0E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.4E+01
335	0.00	3.5E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.9E+01
336	0.00	2.6E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.4E+01
337	0.00	7.1E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.1E+01

338	0.00	5.1E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.8E+01
339	0.00	3.9E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.6E+01
340	0.00	3.1E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.4E+01
341	0.00	2.5E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.2E+01
342	0.00	2.1E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.1E+01
343	0.00	1.7E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	9.7E+00
344	0.00	1.5E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	8.7E+00
345	0.00	1.3E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	7.8E+00
346	0.00	1.1E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	7.0E+00
347	0.00	9.6E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	6.3E+00
348	0.00	8.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	5.7E+00
349	0.00	7.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	5.2E+00
350	0.00	6.7E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	4.8E+00
351	0.00	2.2E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.1E+01
352	0.00	3.1E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.9E+01
353	0.00	4.8E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	4.0E+01
354	0.00	1.7E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	5.7E+01
355	0.00	2.3E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.2E+01
356	0.00	3.6E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.5E+01
357	0.00	3.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.6E+01
358	0.00	8.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	6.8E+01
359	0.00	6.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	5.2E+01
360	0.00	5.7E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	4.1E+01
361	0.00	3.7E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.3E+01
362	0.00	2.7E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.8E+01
363	0.00	7.9E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.3E+01
364	0.00	5.4E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.0E+01
365	0.00	4.0E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.7E+01
366	0.00	3.1E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.5E+01
367	0.00	2.5E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.3E+01
368	0.00	2.0E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.1E+01
369	0.00	1.7E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	9.9E+00
370	0.00	1.4E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	8.8E+00
371	0.00	1.2E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	7.8E+00
372	0.00	1.1E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	7.0E+00
373	0.00	9.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	6.3E+00
374	0.00	8.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	5.7E+00
375	0.00	7.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	5.2E+00
376	0.00	6.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	4.7E+00
377	0.00	2.2E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.5E+01
378	0.00	3.2E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.6E+01
379	0.00	4.8E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	5.3E+01
380	0.00	1.5E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.8E+01
381	0.00	2.3E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.4E+01
382	0.00	2.4E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.3E+01
383	0.00	2.0E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.1E+01
384	0.00	1.6E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.0E+01
385	0.00	1.4E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	8.8E+00
386	0.00	1.2E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	7.8E+00

387	0.00	1.0E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	7.0E+00
388	0.00	8.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	6.3E+00
389	0.00	7.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	5.6E+00
390	0.00	7.0E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	5.1E+00
391	0.00	6.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	4.6E+00
392	0.00	2.1E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.9E+01
393	0.00	3.0E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	4.2E+01
394	0.00	4.4E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	6.4E+01
395	0.00	1.5E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	4.2E+01
396	0.00	2.1E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	5.7E+01
397	0.00	2.2E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.3E+01
398	0.00	1.8E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.1E+01
399	0.00	1.5E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.0E+01
400	0.00	1.3E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	8.8E+00
401	0.00	1.1E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	7.7E+00
402	0.00	9.7E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	6.9E+00
403	0.00	8.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	6.1E+00
404	0.00	7.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	5.5E+00
405	0.00	6.7E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	5.0E+00
406	0.00	6.0E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	4.5E+00
407	0.00	1.9E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.1E+01
408	0.00	2.6E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	4.5E+01
409	0.00	3.6E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	7.1E+01
410	0.00	5.2E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.7E+01
411	0.00	1.8E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.0E+01
412	0.00	2.0E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.3E+01
413	0.00	1.7E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.1E+01
414	0.00	1.4E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	9.8E+00
415	0.00	1.2E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	8.6E+00
416	0.00	1.0E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	7.6E+00
417	0.00	9.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	6.7E+00
418	0.00	8.0E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	6.0E+00
419	0.00	7.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	5.4E+00
420	0.00	6.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	4.9E+00
421	0.00	5.7E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	4.4E+00
422	0.00	1.7E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.2E+01
423	0.00	2.2E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	4.7E+01
424	0.00	2.9E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	7.5E+01
425	0.00	3.8E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	6.2E+01
426	0.00	5.1E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.4E+01
427	0.00	1.8E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.3E+01
428	0.00	1.5E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.1E+01
429	0.00	1.3E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	9.5E+00
430	0.00	1.1E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	8.3E+00
431	0.00	9.7E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	7.3E+00
432	0.00	8.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	6.5E+00
433	0.00	7.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	5.8E+00
434	0.00	6.6E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	5.2E+00
435	0.00	5.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	4.7E+00

436	0.00	5.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	4.3E+00
437	0.00	1.5E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.2E+01
438	0.00	1.8E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	4.7E+01
439	0.00	2.4E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	7.4E+01
440	0.00	2.8E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	6.2E+01
441	0.00	3.5E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.0E+01
442	0.00	1.6E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.2E+01
443	0.00	1.3E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.1E+01
444	0.00	1.2E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	9.1E+00
445	0.00	1.0E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	8.0E+00
446	0.00	8.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	7.0E+00
447	0.00	7.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	6.2E+00
448	0.00	7.0E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	5.6E+00
449	0.00	6.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	5.0E+00
450	0.00	5.6E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	4.5E+00
451	0.00	5.0E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	4.1E+00
452	0.00	1.2E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.0E+01
453	0.00	1.5E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	4.5E+01
454	0.00	2.1E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	7.0E+01
455	0.00	2.2E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.5E+01
456	0.00	2.6E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.8E+01
457	0.00	1.4E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.2E+01
458	0.00	1.2E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.0E+01
459	0.00	1.0E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	8.7E+00
460	0.00	9.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	7.6E+00
461	0.00	8.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	6.7E+00
462	0.00	7.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	6.0E+00
463	0.00	6.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	5.3E+00
464	0.00	5.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	4.8E+00
465	0.00	5.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	4.3E+00
466	0.00	4.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.9E+00
467	0.00	1.1E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.8E+01
468	0.00	1.3E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	4.0E+01
469	0.00	1.7E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	6.1E+01
470	0.00	1.7E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.9E+01
471	0.00	2.0E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	5.0E+01
472	0.00	1.2E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.1E+01
473	0.00	1.1E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	9.3E+00
474	0.00	9.4E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	8.2E+00
475	0.00	8.4E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	7.2E+00
476	0.00	7.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	6.3E+00
477	0.00	6.7E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	5.7E+00
478	0.00	6.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	5.1E+00
479	0.00	5.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	4.6E+00
480	0.00	5.0E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	4.1E+00
481	0.00	4.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.7E+00
482	0.00	9.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.4E+01
483	0.00	1.1E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.4E+01
484	0.00	1.4E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	5.0E+01

485	0.00	1.4E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.6E+01
486	0.00	1.6E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.1E+01
487	0.00	1.1E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	9.9E+00
488	0.00	9.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	8.7E+00
489	0.00	8.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	7.6E+00
490	0.00	7.6E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	6.7E+00
491	0.00	6.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	6.0E+00
492	0.00	6.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	5.3E+00
493	0.00	5.6E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	4.8E+00
494	0.00	5.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	4.3E+00
495	0.00	4.7E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.9E+00
496	0.00	4.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.6E+00
497	0.00	7.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.0E+01
498	0.00	9.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.7E+01
499	0.00	1.1E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.8E+01
500	0.00	1.4E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	5.3E+01
501	0.00	1.3E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.0E+01
502	0.00	9.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	9.1E+00
503	0.00	8.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	8.0E+00
504	0.00	7.7E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	7.1E+00
505	0.00	7.0E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	6.3E+00
506	0.00	6.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	5.6E+00
507	0.00	5.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	5.0E+00
508	0.00	5.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	4.5E+00
509	0.00	4.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	4.1E+00
510	0.00	4.4E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.7E+00
511	0.00	4.0E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.4E+00
512	0.00	6.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.7E+01
513	0.00	7.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.2E+01
514	0.00	9.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.8E+01
515	0.00	1.1E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.6E+01
516	0.00	1.2E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	4.3E+01
517	0.00	8.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	8.3E+00
518	0.00	7.6E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	7.4E+00
519	0.00	7.0E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	6.5E+00
520	0.00	6.4E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	5.8E+00
521	0.00	5.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	5.2E+00
522	0.00	5.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	4.7E+00
523	0.00	4.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	4.3E+00
524	0.00	4.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.9E+00
525	0.00	4.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.5E+00
526	0.00	3.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.2E+00
527	0.00	6.0E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.4E+01
528	0.00	6.7E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.7E+01
529	0.00	7.6E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.1E+01
530	0.00	8.6E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.5E+01
531	0.00	9.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.8E+01
532	0.00	7.4E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	7.6E+00
533	0.00	6.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	6.8E+00

534	0.00	6.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	6.0E+00
535	0.00	5.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	5.4E+00
536	0.00	5.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	4.9E+00
537	0.00	4.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	4.4E+00
538	0.00	4.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	4.0E+00
539	0.00	4.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.7E+00
540	0.00	3.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.3E+00
541	0.00	3.6E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.0E+00
542	0.00	5.4E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.2E+01
543	0.00	5.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.4E+01
544	0.00	6.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.6E+01
545	0.00	7.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.8E+01
546	0.00	7.7E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.0E+01
547	0.00	6.7E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	6.9E+00
548	0.00	6.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	6.2E+00
549	0.00	5.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	5.5E+00
550	0.00	5.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	5.0E+00
551	0.00	4.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	4.5E+00
552	0.00	4.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	4.0E+00
553	0.00	4.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.7E+00
554	0.00	3.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.4E+00
555	0.00	3.6E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.1E+00
556	0.00	3.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.9E+00
557	0.00	4.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	9.6E+00
558	0.00	5.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.1E+01
559	0.00	5.7E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.3E+01
560	0.00	6.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.4E+01
561	0.00	6.7E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.5E+01
562	0.00	5.7E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	5.7E+00
563	0.00	5.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	5.1E+00
564	0.00	4.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	4.6E+00
565	0.00	4.4E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	4.1E+00
566	0.00	4.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.7E+00
567	0.00	3.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.4E+00
568	0.00	3.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.1E+00
569	0.00	3.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.9E+00
570	0.00	3.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.7E+00
571	0.00	4.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	8.2E+00
572	0.00	4.7E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	9.3E+00
573	0.00	5.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.0E+01
574	0.00	5.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.1E+01
575	0.00	5.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.2E+01
576	0.00	4.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	4.8E+00
577	0.00	4.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	4.3E+00
578	0.00	4.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.9E+00
579	0.00	3.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.6E+00
580	0.00	3.6E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.3E+00
581	0.00	3.4E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.0E+00
582	0.00	3.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.7E+00

583	0.00	2.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.5E+00
584	0.00	3.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	7.0E+00
585	0.00	4.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	7.8E+00
586	0.00	4.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	8.5E+00
587	0.00	4.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	9.1E+00
588	0.00	5.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	9.7E+00
589	0.00	4.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	4.1E+00
590	0.00	4.0E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.8E+00
591	0.00	3.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.5E+00
592	0.00	3.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.2E+00
593	0.00	3.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.9E+00
594	0.00	3.0E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.7E+00
595	0.00	2.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.4E+00
596	0.00	3.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	6.0E+00
597	0.00	3.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	6.6E+00
598	0.00	4.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	7.1E+00
599	0.00	4.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	7.6E+00
600	0.00	4.6E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	8.0E+00
601	0.00	3.7E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.5E+00
602	0.00	3.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.3E+00
603	0.00	3.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.0E+00
604	0.00	3.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.8E+00
605	0.00	2.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.6E+00
606	0.00	2.7E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.4E+00
607	0.00	3.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	5.2E+00
608	0.00	3.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	5.7E+00
609	0.00	3.7E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	6.1E+00
610	0.00	3.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	6.5E+00
611	0.00	4.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	6.8E+00
612	0.00	3.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.3E+00
613	0.00	3.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.1E+00
614	0.00	3.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.9E+00
615	0.00	2.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.7E+00
616	0.00	2.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.5E+00
617	0.00	2.6E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.3E+00
618	0.00	3.0E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	4.6E+00
619	0.00	3.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	4.9E+00
620	0.00	3.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	5.3E+00
621	0.00	3.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	5.6E+00
622	0.00	3.7E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	5.8E+00
623	0.00	3.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.1E+00
624	0.00	3.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.9E+00
625	0.00	2.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.7E+00
626	0.00	2.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.5E+00
627	0.00	2.6E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.4E+00
628	0.00	2.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.2E+00
629	0.00	2.7E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	4.1E+00
630	0.00	2.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	4.3E+00
631	0.00	3.0E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	4.6E+00

632	0.00	3.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	4.8E+00
633	0.00	3.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	5.0E+00
634	0.00	3.0E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.0E+00
635	0.00	2.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.8E+00
636	0.00	2.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.6E+00
637	0.00	2.6E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.4E+00
638	0.00	2.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.3E+00
639	0.00	2.4E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.1E+00
640	0.00	2.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.6E+00
641	0.00	2.6E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.8E+00
642	0.00	2.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	4.1E+00
643	0.00	2.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	4.3E+00
644	0.00	3.0E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	4.4E+00
645	0.00	2.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.8E+00
646	0.00	2.7E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.6E+00
647	0.00	2.6E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.5E+00
648	0.00	2.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.3E+00
649	0.00	2.4E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.2E+00
650	0.00	2.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.0E+00
651	0.00	2.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.2E+00
652	0.00	2.4E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.4E+00
653	0.00	2.6E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.6E+00
654	0.00	2.7E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.8E+00
655	0.00	2.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.9E+00
656	0.00	2.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	4.0E+00
657	0.00	3.0E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	4.1E+00
658	0.00	3.0E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	4.1E+00
659	0.00	3.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	4.1E+00
660	0.00	3.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	4.1E+00
661	0.00	3.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	4.0E+00
662	0.00	3.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.9E+00
663	0.00	3.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.8E+00
664	0.00	3.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.7E+00
665	0.00	3.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.6E+00
666	0.00	3.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.4E+00
667	0.00	3.0E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.3E+00
668	0.00	2.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.1E+00
669	0.00	2.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.9E+00
670	0.00	2.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.8E+00
671	0.00	2.7E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.6E+00
672	0.00	2.6E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.5E+00
673	0.00	2.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.3E+00
674	0.00	2.4E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.2E+00
675	0.00	2.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.1E+00
676	0.00	2.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.9E+00
677	0.00	2.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.9E+00
678	0.00	2.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.1E+00
679	0.00	2.4E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.2E+00
680	0.00	2.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.4E+00

681	0.00	2.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.5E+00
682	0.00	2.6E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.6E+00
683	0.00	2.7E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.7E+00
684	0.00	2.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.7E+00
685	0.00	2.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.7E+00
686	0.00	2.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.7E+00
687	0.00	2.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.6E+00
688	0.00	2.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.6E+00
689	0.00	2.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.5E+00
690	0.00	2.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.4E+00
691	0.00	2.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.3E+00
692	0.00	2.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.1E+00
693	0.00	2.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.0E+00
694	0.00	2.7E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.9E+00
695	0.00	2.6E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.7E+00
696	0.00	2.6E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.6E+00
697	0.00	2.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.5E+00
698	0.00	2.4E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.3E+00
699	0.00	2.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.2E+00
700	0.00	2.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.1E+00
701	0.00	2.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.0E+00
702	0.00	2.0E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.9E+00
703	0.00	2.0E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.7E+00
704	0.00	2.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.8E+00
705	0.00	2.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.9E+00
706	0.00	2.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.0E+00
707	0.00	2.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.1E+00
708	0.00	2.4E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.2E+00
709	0.00	2.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.3E+00
710	0.00	2.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.3E+00
711	0.00	2.6E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.3E+00
712	0.00	2.6E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.3E+00
713	0.00	2.7E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.3E+00
714	0.00	2.7E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.3E+00
715	0.00	2.7E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.2E+00
716	0.00	2.7E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.1E+00
717	0.00	2.7E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.0E+00
718	0.00	2.6E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.9E+00
719	0.00	2.6E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.8E+00
720	0.00	2.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.7E+00
721	0.00	2.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.6E+00
722	0.00	2.4E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.4E+00
723	0.00	2.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.3E+00
724	0.00	2.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.2E+00
725	0.00	2.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.1E+00
726	0.00	2.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.0E+00
727	0.00	2.0E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.9E+00
728	0.00	1.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.8E+00
729	0.00	1.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.4E+00

730	0.00	1.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.5E+00
731	0.00	2.0E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.6E+00
732	0.00	2.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.7E+00
733	0.00	2.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.8E+00
734	0.00	2.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.9E+00
735	0.00	2.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.0E+00
736	0.00	2.4E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.0E+00
737	0.00	2.4E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.0E+00
738	0.00	2.4E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.0E+00
739	0.00	2.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.0E+00
740	0.00	2.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	3.0E+00
741	0.00	2.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.9E+00
742	0.00	2.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.9E+00
743	0.00	2.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.8E+00
744	0.00	2.4E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.7E+00
745	0.00	2.4E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.6E+00
746	0.00	2.4E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.5E+00
747	0.00	2.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.4E+00
748	0.00	2.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.3E+00
749	0.00	2.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.2E+00
750	0.00	2.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.1E+00
751	0.00	2.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.0E+00
752	0.00	2.0E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.9E+00
753	0.00	1.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.8E+00
754	0.00	1.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.7E+00
755	0.00	1.7E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.2E+00
756	0.00	1.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.3E+00
757	0.00	1.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.4E+00
758	0.00	1.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.5E+00
759	0.00	2.0E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.6E+00
760	0.00	2.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.6E+00
761	0.00	2.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.7E+00
762	0.00	2.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.7E+00
763	0.00	2.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.8E+00
764	0.00	2.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.8E+00
765	0.00	2.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.7E+00
766	0.00	2.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.7E+00
767	0.00	2.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.7E+00
768	0.00	2.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.6E+00
769	0.00	2.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.6E+00
770	0.00	2.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.5E+00
771	0.00	2.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.4E+00
772	0.00	2.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.3E+00
773	0.00	2.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.2E+00
774	0.00	2.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.2E+00
775	0.00	2.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.1E+00
776	0.00	2.0E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.0E+00
777	0.00	1.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.9E+00
778	0.00	1.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.8E+00

779	0.00	1.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.7E+00
780	0.00	1.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.6E+00
781	0.00	1.6E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.0E+00
782	0.00	1.7E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.1E+00
783	0.00	1.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.2E+00
784	0.00	1.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.3E+00
785	0.00	1.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.4E+00
786	0.00	1.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.4E+00
787	0.00	2.0E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.5E+00
788	0.00	2.0E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.5E+00
789	0.00	2.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.5E+00
790	0.00	2.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.5E+00
791	0.00	2.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.5E+00
792	0.00	2.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.5E+00
793	0.00	2.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.5E+00
794	0.00	2.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.4E+00
795	0.00	2.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.4E+00
796	0.00	2.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.3E+00
797	0.00	2.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.3E+00
798	0.00	2.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.2E+00
799	0.00	2.0E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.1E+00
800	0.00	2.0E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	2.0E+00
801	0.00	1.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.9E+00
802	0.00	1.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.9E+00
803	0.00	1.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.8E+00
804	0.00	1.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.7E+00
805	0.00	1.7E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.6E+00
806	0.00	1.7E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.6E+00

Franklin School Project

Risk From Portable Set-up - Unmitigated Residential

Haul Route 1A							Haul Route 2A							
g/sec	D1	Dose	R1	ED	Risk	Conc	g/sec	D1	Dose	R1	ED	Risk	Conc	g/sec
1.9E-07	1.0E-03	6.4E-11	1.6E-01	3.8E-02	3.8E-13	3.4E-01	6.0E-07	1.0E-03	2.1E-10	1.6E-01	3.8E-02	1.3E-12	3.4E-01	1.2E-06
1.9E-07	1.0E-03	7.2E-11	1.6E-01	3.8E-02	4.4E-13	3.9E-01	6.0E-07	1.0E-03	2.4E-10	1.6E-01	3.8E-02	1.5E-12	3.9E-01	1.2E-06
1.9E-07	1.0E-03	8.2E-11	1.6E-01	3.8E-02	4.9E-13	4.5E-01	6.0E-07	1.0E-03	2.8E-10	1.6E-01	3.8E-02	1.7E-12	4.5E-01	1.2E-06
1.9E-07	1.0E-03	9.2E-11	1.6E-01	3.8E-02	5.5E-13	5.2E-01	6.0E-07	1.0E-03	3.2E-10	1.6E-01	3.8E-02	1.9E-12	5.2E-01	1.2E-06
1.9E-07	1.0E-03	1.0E-10	1.6E-01	3.8E-02	6.1E-13	5.8E-01	6.0E-07	1.0E-03	3.7E-10	1.6E-01	3.8E-02	2.2E-12	5.8E-01	1.2E-06
1.9E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.6E-13	6.5E-01	6.0E-07	1.0E-03	4.1E-10	1.6E-01	3.8E-02	2.4E-12	6.5E-01	1.2E-06
1.9E-07	1.0E-03	1.2E-10	1.6E-01	3.8E-02	7.1E-13	7.1E-01	6.0E-07	1.0E-03	4.4E-10	1.6E-01	3.8E-02	2.7E-12	7.1E-01	1.2E-06
1.9E-07	1.0E-03	1.3E-10	1.6E-01	3.8E-02	7.7E-13	7.7E-01	6.0E-07	1.0E-03	4.8E-10	1.6E-01	3.8E-02	2.9E-12	7.7E-01	1.2E-06
1.9E-07	1.0E-03	1.4E-10	1.6E-01	3.8E-02	8.3E-13	8.4E-01	6.0E-07	1.0E-03	5.3E-10	1.6E-01	3.8E-02	3.2E-12	8.4E-01	1.2E-06
1.9E-07	1.0E-03	1.5E-10	1.6E-01	3.8E-02	9.0E-13	9.2E-01	6.0E-07	1.0E-03	5.8E-10	1.6E-01	3.8E-02	3.5E-12	9.2E-01	1.2E-06
1.9E-07	1.0E-03	1.6E-10	1.6E-01	3.8E-02	9.6E-13	9.9E-01	6.0E-07	1.0E-03	6.2E-10	1.6E-01	3.8E-02	3.7E-12	9.9E-01	1.2E-06
1.9E-07	1.0E-03	1.7E-10	1.6E-01	3.8E-02	1.0E-12	1.0E+00	6.0E-07	1.0E-03	6.5E-10	1.6E-01	3.8E-02	3.9E-12	1.0E+00	1.2E-06
1.9E-07	1.0E-03	1.7E-10	1.6E-01	3.8E-02	1.0E-12	1.0E+00	6.0E-07	1.0E-03	6.5E-10	1.6E-01	3.8E-02	3.9E-12	1.0E+00	1.2E-06
1.9E-07	1.0E-03	1.7E-10	1.6E-01	3.8E-02	1.0E-12	1.0E+00	6.0E-07	1.0E-03	6.3E-10	1.6E-01	3.8E-02	3.8E-12	1.0E+00	1.2E-06
1.9E-07	1.0E-03	1.6E-10	1.6E-01	3.8E-02	9.5E-13	9.5E-01	6.0E-07	1.0E-03	6.0E-10	1.6E-01	3.8E-02	3.6E-12	9.5E-01	1.2E-06
1.9E-07	1.0E-03	1.5E-10	1.6E-01	3.8E-02	8.9E-13	8.8E-01	6.0E-07	1.0E-03	5.5E-10	1.6E-01	3.8E-02	3.3E-12	8.8E-01	1.2E-06
1.9E-07	1.0E-03	7.5E-11	1.6E-01	3.8E-02	4.5E-13	3.9E-01	6.0E-07	1.0E-03	2.5E-10	1.6E-01	3.8E-02	1.5E-12	3.9E-01	1.2E-06
1.9E-07	1.0E-03	8.7E-11	1.6E-01	3.8E-02	5.2E-13	4.7E-01	6.0E-07	1.0E-03	2.9E-10	1.6E-01	3.8E-02	1.8E-12	4.7E-01	1.2E-06
1.9E-07	1.0E-03	1.0E-10	1.6E-01	3.8E-02	6.1E-13	5.5E-01	6.0E-07	1.0E-03	3.5E-10	1.6E-01	3.8E-02	2.1E-12	5.5E-01	1.2E-06
1.9E-07	1.0E-03	1.2E-10	1.6E-01	3.8E-02	7.0E-13	6.5E-01	6.0E-07	1.0E-03	4.1E-10	1.6E-01	3.8E-02	2.5E-12	6.5E-01	1.2E-06
1.9E-07	1.0E-03	1.3E-10	1.6E-01	3.8E-02	7.9E-13	7.6E-01	6.0E-07	1.0E-03	4.8E-10	1.6E-01	3.8E-02	2.9E-12	7.6E-01	1.2E-06
1.9E-07	1.0E-03	1.4E-10	1.6E-01	3.8E-02	8.7E-13	8.7E-01	6.0E-07	1.0E-03	5.5E-10	1.6E-01	3.8E-02	3.3E-12	8.7E-01	1.2E-06
1.9E-07	1.0E-03	1.6E-10	1.6E-01	3.8E-02	9.6E-13	9.7E-01	6.0E-07	1.0E-03	6.1E-10	1.6E-01	3.8E-02	3.7E-12	9.7E-01	1.2E-06
1.9E-07	1.0E-03	1.7E-10	1.6E-01	3.8E-02	1.0E-12	1.1E+00	6.0E-07	1.0E-03	6.8E-10	1.6E-01	3.8E-02	4.1E-12	1.1E+00	1.2E-06
1.9E-07	1.0E-03	1.9E-10	1.6E-01	3.8E-02	1.2E-12	1.2E+00	6.0E-07	1.0E-03	7.6E-10	1.6E-01	3.8E-02	4.6E-12	1.2E+00	1.2E-06
1.9E-07	1.0E-03	2.1E-10	1.6E-01	3.8E-02	1.3E-12	1.3E+00	6.0E-07	1.0E-03	8.4E-10	1.6E-01	3.8E-02	5.0E-12	1.3E+00	1.2E-06
1.9E-07	1.0E-03	2.2E-10	1.6E-01	3.8E-02	1.3E-12	1.4E+00	6.0E-07	1.0E-03	8.9E-10	1.6E-01	3.8E-02	5.4E-12	1.4E+00	1.2E-06
1.9E-07	1.0E-03	2.2E-10	1.6E-01	3.8E-02	1.4E-12	1.4E+00	6.0E-07	1.0E-03	9.0E-10	1.6E-01	3.8E-02	5.4E-12	1.4E+00	1.2E-06
1.9E-07	1.0E-03	2.2E-10	1.6E-01	3.8E-02	1.3E-12	1.4E+00	6.0E-07	1.0E-03	8.7E-10	1.6E-01	3.8E-02	5.2E-12	1.4E+00	1.2E-06
1.9E-07	1.0E-03	2.1E-10	1.6E-01	3.8E-02	1.3E-12	1.3E+00	6.0E-07	1.0E-03	8.0E-10	1.6E-01	3.8E-02	4.8E-12	1.3E+00	1.2E-06
1.9E-07	1.0E-03	1.9E-10	1.6E-01	3.8E-02	1.1E-12	1.2E+00	6.0E-07	1.0E-03	7.2E-10	1.6E-01	3.8E-02	4.4E-12	1.2E+00	1.2E-06
1.9E-07	1.0E-03	1.7E-10	1.6E-01	3.8E-02	1.0E-12	1.0E+00	6.0E-07	1.0E-03	6.4E-10	1.6E-01	3.8E-02	3.9E-12	1.0E+00	1.2E-06
1.9E-07	1.0E-03	8.8E-11	1.6E-01	3.8E-02	5.3E-13	4.5E-01	6.0E-07	1.0E-03	2.9E-10	1.6E-01	3.8E-02	1.7E-12	4.5E-01	1.2E-06
1.9E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.3E-13	5.6E-01	6.0E-07	1.0E-03	3.5E-10	1.6E-01	3.8E-02	2.1E-12	5.6E-01	1.2E-06
1.9E-07	1.0E-03	1.3E-10	1.6E-01	3.8E-02	7.6E-13	6.9E-01	6.0E-07	1.0E-03	4.3E-10	1.6E-01	3.8E-02	2.6E-12	6.9E-01	1.2E-06
1.9E-07	1.0E-03	1.5E-10	1.6E-01	3.8E-02	9.1E-13	8.5E-01	6.0E-07	1.0E-03	5.3E-10	1.6E-01	3.8E-02	3.2E-12	8.5E-01	1.2E-06
1.9E-07	1.0E-03	1.8E-10	1.6E-01	3.8E-02	1.1E-12	1.0E+00	6.0E-07	1.0E-03	6.5E-10	1.6E-01	3.8E-02	3.9E-12	1.0E+00	1.2E-06
1.9E-07	1.0E-03	2.0E-10	1.6E-01	3.8E-02	1.2E-12	1.2E+00	6.0E-07	1.0E-03	7.8E-10	1.6E-01	3.8E-02	4.7E-12	1.2E+00	1.2E-06
1.9E-07	1.0E-03	2.3E-10	1.6E-01	3.8E-02	1.4E-12	1.4E+00	6.0E-07	1.0E-03	9.0E-10	1.6E-01	3.8E-02	5.4E-12	1.4E+00	1.2E-06
1.9E-07	1.0E-03	2.5E-10	1.6E-01	3.8E-02	1.5E-12	1.6E+00	6.0E-07	1.0E-03	1.0E-09	1.6E-01	3.8E-02	6.2E-12	1.6E+00	1.2E-06
1.9E-07	1.0E-03	2.8E-10	1.6E-01	3.8E-02	1.7E-12	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.1E-12	1.9E+00	1.2E-06
1.9E-07	1.0E-03	3.1E-10	1.6E-01	3.8E-02	1.8E-12	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	7.8E-12	2.1E+00	1.2E-06
1.9E-07	1.0E-03	3.1E-10	1.6E-01	3.8E-02	1.9E-12	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	7.9E-12	2.1E+00	1.2E-06

1.9E-07	1.0E-03	3.1E-10	1.6E-01	3.8E-02	1.8E-12	2.0E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	7.5E-12	2.0E+00	1.2E-06
1.9E-07	1.0E-03	2.8E-10	1.6E-01	3.8E-02	1.7E-12	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.8E-12	1.8E+00	1.2E-06
1.9E-07	1.0E-03	2.5E-10	1.6E-01	3.8E-02	1.5E-12	1.6E+00	6.0E-07	1.0E-03	9.9E-10	1.6E-01	3.8E-02	6.0E-12	1.6E+00	1.2E-06
1.9E-07	1.0E-03	2.2E-10	1.6E-01	3.8E-02	1.4E-12	1.3E+00	6.0E-07	1.0E-03	8.4E-10	1.6E-01	3.8E-02	5.1E-12	1.3E+00	1.2E-06
1.9E-07	1.0E-03	1.9E-10	1.6E-01	3.8E-02	1.2E-12	1.1E+00	6.0E-07	1.0E-03	7.1E-10	1.6E-01	3.8E-02	4.3E-12	1.1E+00	1.2E-06
1.9E-07	1.0E-03	1.0E-10	1.6E-01	3.8E-02	6.2E-13	5.2E-01	6.0E-07	1.0E-03	3.3E-10	1.6E-01	3.8E-02	2.0E-12	5.2E-01	1.2E-06
1.9E-07	1.0E-03	1.3E-10	1.6E-01	3.8E-02	7.7E-13	6.6E-01	6.0E-07	1.0E-03	4.2E-10	1.6E-01	3.8E-02	2.5E-12	6.6E-01	1.2E-06
1.9E-07	1.0E-03	1.6E-10	1.6E-01	3.8E-02	9.7E-13	8.6E-01	6.0E-07	1.0E-03	5.4E-10	1.6E-01	3.8E-02	3.2E-12	8.6E-01	1.2E-06
1.9E-07	1.0E-03	2.0E-10	1.6E-01	3.8E-02	1.2E-12	1.1E+00	6.0E-07	1.0E-03	7.1E-10	1.6E-01	3.8E-02	4.3E-12	1.1E+00	1.2E-06
1.9E-07	1.0E-03	2.5E-10	1.6E-01	3.8E-02	1.5E-12	1.5E+00	6.0E-07	1.0E-03	9.3E-10	1.6E-01	3.8E-02	5.6E-12	1.5E+00	1.2E-06
1.9E-07	1.0E-03	3.0E-10	1.6E-01	3.8E-02	1.8E-12	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.2E-12	1.9E+00	1.2E-06
1.9E-07	1.0E-03	3.5E-10	1.6E-01	3.8E-02	2.1E-12	2.3E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	3.8E-02	8.8E-12	2.3E+00	1.2E-06
1.9E-07	1.0E-03	4.0E-10	1.6E-01	3.8E-02	2.4E-12	2.8E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	3.8E-02	1.1E-11	2.8E+00	1.2E-06
1.9E-07	1.0E-03	4.5E-10	1.6E-01	3.8E-02	2.7E-12	3.2E+00	6.0E-07	1.0E-03	2.0E-09	1.6E-01	3.8E-02	1.2E-11	3.2E+00	1.2E-06
1.9E-07	1.0E-03	4.7E-10	1.6E-01	3.8E-02	2.8E-12	3.4E+00	6.0E-07	1.0E-03	2.1E-09	1.6E-01	3.8E-02	1.3E-11	3.4E+00	1.2E-06
1.9E-07	1.0E-03	4.5E-10	1.6E-01	3.8E-02	2.7E-12	3.1E+00	6.0E-07	1.0E-03	2.0E-09	1.6E-01	3.8E-02	1.2E-11	3.1E+00	1.2E-06
1.9E-07	1.0E-03	4.1E-10	1.6E-01	3.8E-02	2.5E-12	2.7E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	3.8E-02	1.0E-11	2.7E+00	1.2E-06
1.9E-07	1.0E-03	3.5E-10	1.6E-01	3.8E-02	2.1E-12	2.3E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	3.8E-02	8.5E-12	2.3E+00	1.2E-06
1.9E-07	1.0E-03	3.0E-10	1.6E-01	3.8E-02	1.8E-12	1.8E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.0E-12	1.8E+00	1.2E-06
1.9E-07	1.0E-03	2.5E-10	1.6E-01	3.8E-02	1.5E-12	1.5E+00	6.0E-07	1.0E-03	9.4E-10	1.6E-01	3.8E-02	5.6E-12	1.5E+00	1.2E-06
1.9E-07	1.0E-03	2.1E-10	1.6E-01	3.8E-02	1.3E-12	1.2E+00	6.0E-07	1.0E-03	7.6E-10	1.6E-01	3.8E-02	4.6E-12	1.2E+00	1.2E-06
1.9E-07	1.0E-03	1.2E-10	1.6E-01	3.8E-02	7.2E-13	5.9E-01	6.0E-07	1.0E-03	3.7E-10	1.6E-01	3.8E-02	2.2E-12	5.9E-01	1.2E-06
1.9E-07	1.0E-03	1.5E-10	1.6E-01	3.8E-02	9.3E-13	7.8E-01	6.0E-07	1.0E-03	4.9E-10	1.6E-01	3.8E-02	2.9E-12	7.8E-01	1.2E-06
1.9E-07	1.0E-03	2.1E-10	1.6E-01	3.8E-02	1.2E-12	1.1E+00	6.0E-07	1.0E-03	6.7E-10	1.6E-01	3.8E-02	4.0E-12	1.1E+00	1.2E-06
1.9E-07	1.0E-03	2.8E-10	1.6E-01	3.8E-02	1.7E-12	1.5E+00	6.0E-07	1.0E-03	9.6E-10	1.6E-01	3.8E-02	5.8E-12	1.5E+00	1.2E-06
1.9E-07	1.0E-03	3.8E-10	1.6E-01	3.8E-02	2.3E-12	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	3.8E-02	8.5E-12	2.2E+00	1.2E-06
1.9E-07	1.0E-03	4.9E-10	1.6E-01	3.8E-02	3.0E-12	3.3E+00	6.0E-07	1.0E-03	2.1E-09	1.6E-01	3.8E-02	1.2E-11	3.3E+00	1.2E-06
1.9E-07	1.0E-03	6.1E-10	1.6E-01	3.8E-02	3.6E-12	4.5E+00	6.0E-07	1.0E-03	2.8E-09	1.6E-01	3.8E-02	1.7E-11	4.5E+00	1.2E-06
1.9E-07	1.0E-03	7.3E-10	1.6E-01	3.8E-02	4.4E-12	5.6E+00	6.0E-07	1.0E-03	3.5E-09	1.6E-01	3.8E-02	2.1E-11	5.6E+00	1.2E-06
1.9E-07	1.0E-03	7.8E-10	1.6E-01	3.8E-02	4.7E-12	6.2E+00	6.0E-07	1.0E-03	3.9E-09	1.6E-01	3.8E-02	2.3E-11	6.2E+00	1.2E-06
1.9E-07	1.0E-03	7.4E-10	1.6E-01	3.8E-02	4.5E-12	5.6E+00	6.0E-07	1.0E-03	3.5E-09	1.6E-01	3.8E-02	2.1E-11	5.6E+00	1.2E-06
1.9E-07	1.0E-03	6.4E-10	1.6E-01	3.8E-02	3.8E-12	4.5E+00	6.0E-07	1.0E-03	2.8E-09	1.6E-01	3.8E-02	1.7E-11	4.5E+00	1.2E-06
1.9E-07	1.0E-03	5.2E-10	1.6E-01	3.8E-02	3.1E-12	3.4E+00	6.0E-07	1.0E-03	2.2E-09	1.6E-01	3.8E-02	1.3E-11	3.4E+00	1.2E-06
1.9E-07	1.0E-03	4.2E-10	1.6E-01	3.8E-02	2.5E-12	2.6E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	3.8E-02	9.9E-12	2.6E+00	1.2E-06
1.9E-07	1.0E-03	3.4E-10	1.6E-01	3.8E-02	2.0E-12	2.0E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	7.6E-12	2.0E+00	1.2E-06
1.9E-07	1.0E-03	2.7E-10	1.6E-01	3.8E-02	1.6E-12	1.5E+00	6.0E-07	1.0E-03	9.7E-10	1.6E-01	3.8E-02	5.9E-12	1.5E+00	1.2E-06
1.9E-07	1.0E-03	2.2E-10	1.6E-01	3.8E-02	1.3E-12	1.2E+00	6.0E-07	1.0E-03	7.7E-10	1.6E-01	3.8E-02	4.6E-12	1.2E+00	1.2E-06
1.9E-07	1.0E-03	1.4E-10	1.6E-01	3.8E-02	8.2E-13	6.5E-01	6.0E-07	1.0E-03	4.1E-10	1.6E-01	3.8E-02	2.4E-12	6.5E-01	1.2E-06
1.9E-07	1.0E-03	1.8E-10	1.6E-01	3.8E-02	1.1E-12	8.8E-01	6.0E-07	1.0E-03	5.5E-10	1.6E-01	3.8E-02	3.3E-12	8.8E-01	1.2E-06
1.9E-07	1.0E-03	2.6E-10	1.6E-01	3.8E-02	1.6E-12	1.3E+00	6.0E-07	1.0E-03	8.1E-10	1.6E-01	3.8E-02	4.9E-12	1.3E+00	1.2E-06
1.9E-07	1.0E-03	3.9E-10	1.6E-01	3.8E-02	2.4E-12	2.0E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	7.6E-12	2.0E+00	1.2E-06
1.9E-07	1.0E-03	6.1E-10	1.6E-01	3.8E-02	3.7E-12	3.5E+00	6.0E-07	1.0E-03	2.2E-09	1.6E-01	3.8E-02	1.3E-11	3.5E+00	1.2E-06
1.9E-07	1.0E-03	9.5E-10	1.6E-01	3.8E-02	5.7E-12	6.5E+00	6.0E-07	1.0E-03	4.1E-09	1.6E-01	3.8E-02	2.4E-11	6.5E+00	1.2E-06
1.9E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	7.9E-12	1.1E+01	6.0E-07	1.0E-03	7.1E-09	1.6E-01	3.8E-02	4.3E-11	1.1E+01	1.2E-06
1.9E-07	1.0E-03	1.6E-09	1.6E-01	3.8E-02	9.5E-12	1.5E+01	6.0E-07	1.0E-03	9.4E-09	1.6E-01	3.8E-02	5.6E-11	1.5E+01	1.2E-06
1.9E-07	1.0E-03	1.4E-09	1.6E-01	3.8E-02	8.6E-12	1.3E+01	6.0E-07	1.0E-03	8.1E-09	1.6E-01	3.8E-02	4.9E-11	1.3E+01	1.2E-06
1.9E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.7E-12	8.7E+00	6.0E-07	1.0E-03	5.5E-09	1.6E-01	3.8E-02	3.3E-11	8.7E+00	1.2E-06
1.9E-07	1.0E-03	8.3E-10	1.6E-01	3.8E-02	5.0E-12	5.7E+00	6.0E-07	1.0E-03	3.6E-09	1.6E-01	3.8E-02	2.2E-11	5.7E+00	1.2E-06
1.9E-07	1.0E-03	6.1E-10	1.6E-01	3.8E-02	3.7E-12	3.9E+00	6.0E-07	1.0E-03	2.4E-09	1.6E-01	3.8E-02	1.5E-11	3.9E+00	1.2E-06

1.9E-07	1.0E-03	4.6E-10	1.6E-01	3.8E-02	2.8E-12	2.7E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	3.8E-02	1.0E-11	2.7E+00	1.2E-06
1.9E-07	1.0E-03	3.5E-10	1.6E-01	3.8E-02	2.1E-12	2.0E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.5E-12	2.0E+00	1.2E-06
1.9E-07	1.0E-03	2.7E-10	1.6E-01	3.8E-02	1.6E-12	1.5E+00	6.0E-07	1.0E-03	9.4E-10	1.6E-01	3.8E-02	5.6E-12	1.5E+00	1.2E-06
1.9E-07	1.0E-03	2.1E-10	1.6E-01	3.8E-02	1.3E-12	1.2E+00	6.0E-07	1.0E-03	7.2E-10	1.6E-01	3.8E-02	4.4E-12	1.2E+00	1.2E-06
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1.9E-07	1.0E-03	2.1E-10	1.6E-01	3.8E-02	1.3E-12	9.5E-01	6.0E-07	1.0E-03	5.9E-10	1.6E-01	3.8E-02	3.6E-12	9.5E-01	1.2E-06
1.9E-07	1.0E-03	3.2E-10	1.6E-01	3.8E-02	1.9E-12	1.4E+00	6.0E-07	1.0E-03	9.1E-10	1.6E-01	3.8E-02	5.5E-12	1.4E+00	1.2E-06
1.9E-07	1.0E-03	5.4E-10	1.6E-01	3.8E-02	3.2E-12	2.5E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	3.8E-02	9.3E-12	2.5E+00	1.2E-06
1.9E-07	1.0E-03	1.0E-09	1.6E-01	3.8E-02	6.2E-12	5.0E+00	6.0E-07	1.0E-03	3.1E-09	1.6E-01	3.8E-02	1.9E-11	5.0E+00	1.2E-06
1.9E-07	1.0E-03	2.3E-09	1.6E-01	3.8E-02	1.4E-11	1.4E+01	6.0E-07	1.0E-03	8.9E-09	1.6E-01	3.8E-02	5.4E-11	1.4E+01	1.2E-06
1.9E-07	1.0E-03	4.7E-09	1.6E-01	3.8E-02	2.8E-11	5.4E+01	6.0E-07	1.0E-03	3.4E-08	1.6E-01	3.8E-02	2.0E-10	5.4E+01	1.2E-06
1.9E-07	1.0E-03	4.0E-09	1.6E-01	3.8E-02	2.4E-11	6.1E+01	6.0E-07	1.0E-03	3.8E-08	1.6E-01	3.8E-02	2.3E-10	6.1E+01	1.2E-06
1.9E-07	1.0E-03	2.4E-09	1.6E-01	3.8E-02	1.5E-11	2.4E+01	6.0E-07	1.0E-03	1.5E-08	1.6E-01	3.8E-02	9.0E-11	2.4E+01	1.2E-06
1.9E-07	1.0E-03	1.5E-09	1.6E-01	3.8E-02	8.8E-12	1.1E+01	6.0E-07	1.0E-03	6.9E-09	1.6E-01	3.8E-02	4.1E-11	1.1E+01	1.2E-06
1.9E-07	1.0E-03	9.4E-10	1.6E-01	3.8E-02	5.7E-12	6.0E+00	6.0E-07	1.0E-03	3.8E-09	1.6E-01	3.8E-02	2.3E-11	6.0E+00	1.2E-06
1.9E-07	1.0E-03	6.4E-10	1.6E-01	3.8E-02	3.9E-12	3.8E+00	6.0E-07	1.0E-03	2.4E-09	1.6E-01	3.8E-02	1.4E-11	3.8E+00	1.2E-06
1.9E-07	1.0E-03	4.5E-10	1.6E-01	3.8E-02	2.7E-12	2.5E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	3.8E-02	9.6E-12	2.5E+00	1.2E-06
1.9E-07	1.0E-03	3.3E-10	1.6E-01	3.8E-02	2.0E-12	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.8E-12	1.8E+00	1.2E-06
1.9E-07	1.0E-03	2.6E-10	1.6E-01	3.8E-02	1.5E-12	1.3E+00	6.0E-07	1.0E-03	8.4E-10	1.6E-01	3.8E-02	5.1E-12	1.3E+00	1.2E-06
1.9E-07	1.0E-03	2.0E-10	1.6E-01	3.8E-02	1.2E-12	1.0E+00	6.0E-07	1.0E-03	6.5E-10	1.6E-01	3.8E-02	3.9E-12	1.0E+00	1.2E-06
1.9E-07	1.0E-03	1.6E-10	1.6E-01	3.8E-02	9.4E-13	6.9E-01	6.0E-07	1.0E-03	4.3E-10	1.6E-01	3.8E-02	2.6E-12	6.9E-01	1.2E-06
1.9E-07	1.0E-03	2.3E-10	1.6E-01	3.8E-02	1.4E-12	9.7E-01	6.0E-07	1.0E-03	6.1E-10	1.6E-01	3.8E-02	3.7E-12	9.7E-01	1.2E-06
1.9E-07	1.0E-03	3.6E-10	1.6E-01	3.8E-02	2.2E-12	1.5E+00	6.0E-07	1.0E-03	9.3E-10	1.6E-01	3.8E-02	5.6E-12	1.5E+00	1.2E-06
1.9E-07	1.0E-03	6.5E-10	1.6E-01	3.8E-02	3.9E-12	2.6E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	3.8E-02	9.7E-12	2.6E+00	1.2E-06
1.9E-07	1.0E-03	1.5E-09	1.6E-01	3.8E-02	9.1E-12	5.5E+00	6.0E-07	1.0E-03	3.4E-09	1.6E-01	3.8E-02	2.1E-11	5.5E+00	1.2E-06
1.9E-07	1.0E-03	1.5E-09	1.6E-01	3.8E-02	9.3E-12	9.6E+00	6.0E-07	1.0E-03	6.0E-09	1.6E-01	3.8E-02	3.6E-11	9.6E+00	1.2E-06
1.9E-07	1.0E-03	9.0E-10	1.6E-01	3.8E-02	5.4E-12	5.1E+00	6.0E-07	1.0E-03	3.2E-09	1.6E-01	3.8E-02	1.9E-11	5.1E+00	1.2E-06
1.9E-07	1.0E-03	5.9E-10	1.6E-01	3.8E-02	3.5E-12	3.2E+00	6.0E-07	1.0E-03	2.0E-09	1.6E-01	3.8E-02	1.2E-11	3.2E+00	1.2E-06
1.9E-07	1.0E-03	4.1E-10	1.6E-01	3.8E-02	2.5E-12	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	8.1E-12	2.1E+00	1.2E-06
1.9E-07	1.0E-03	3.0E-10	1.6E-01	3.8E-02	1.8E-12	1.5E+00	6.0E-07	1.0E-03	9.7E-10	1.6E-01	3.8E-02	5.8E-12	1.5E+00	1.2E-06
1.9E-07	1.0E-03	2.3E-10	1.6E-01	3.8E-02	1.4E-12	1.2E+00	6.0E-07	1.0E-03	7.3E-10	1.6E-01	3.8E-02	4.4E-12	1.2E+00	1.2E-06
1.9E-07	1.0E-03	1.8E-10	1.6E-01	3.8E-02	1.1E-12	9.0E-01	6.0E-07	1.0E-03	5.7E-10	1.6E-01	3.8E-02	3.4E-12	9.0E-01	1.2E-06
1.9E-07	1.0E-03	1.6E-10	1.6E-01	3.8E-02	9.4E-13	6.6E-01	6.0E-07	1.0E-03	4.1E-10	1.6E-01	3.8E-02	2.5E-12	6.6E-01	1.2E-06
1.9E-07	1.0E-03	2.3E-10	1.6E-01	3.8E-02	1.4E-12	9.1E-01	6.0E-07	1.0E-03	5.7E-10	1.6E-01	3.8E-02	3.5E-12	9.1E-01	1.2E-06
1.9E-07	1.0E-03	3.6E-10	1.6E-01	3.8E-02	2.1E-12	1.4E+00	6.0E-07	1.0E-03	8.5E-10	1.6E-01	3.8E-02	5.1E-12	1.4E+00	1.2E-06
1.9E-07	1.0E-03	6.5E-10	1.6E-01	3.8E-02	3.9E-12	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	3.8E-02	8.4E-12	2.2E+00	1.2E-06
1.9E-07	1.0E-03	1.5E-09	1.6E-01	3.8E-02	8.9E-12	4.1E+00	6.0E-07	1.0E-03	2.6E-09	1.6E-01	3.8E-02	1.5E-11	4.1E+00	1.2E-06
1.9E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	7.6E-12	6.4E+00	6.0E-07	1.0E-03	4.0E-09	1.6E-01	3.8E-02	2.4E-11	6.4E+00	1.2E-06
1.9E-07	1.0E-03	7.4E-10	1.6E-01	3.8E-02	4.5E-12	3.9E+00	6.0E-07	1.0E-03	2.4E-09	1.6E-01	3.8E-02	1.5E-11	3.9E+00	1.2E-06
1.9E-07	1.0E-03	4.8E-10	1.6E-01	3.8E-02	2.9E-12	2.5E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	3.8E-02	9.4E-12	2.5E+00	1.2E-06
1.9E-07	1.0E-03	3.5E-10	1.6E-01	3.8E-02	2.1E-12	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.7E-12	1.8E+00	1.2E-06
1.9E-07	1.0E-03	2.6E-10	1.6E-01	3.8E-02	1.5E-12	1.3E+00	6.0E-07	1.0E-03	8.2E-10	1.6E-01	3.8E-02	4.9E-12	1.3E+00	1.2E-06
1.9E-07	1.0E-03	2.0E-10	1.6E-01	3.8E-02	1.2E-12	9.9E-01	6.0E-07	1.0E-03	6.2E-10	1.6E-01	3.8E-02	3.8E-12	9.9E-01	1.2E-06
1.9E-07	1.0E-03	1.6E-10	1.6E-01	3.8E-02	9.4E-13	7.8E-01	6.0E-07	1.0E-03	4.9E-10	1.6E-01	3.8E-02	3.0E-12	7.8E-01	1.2E-06
1.9E-07	1.0E-03	1.5E-10	1.6E-01	3.8E-02	8.9E-13	6.1E-01	6.0E-07	1.0E-03	3.8E-10	1.6E-01	3.8E-02	2.3E-12	6.1E-01	1.2E-06
1.9E-07	1.0E-03	2.1E-10	1.6E-01	3.8E-02	1.3E-12	8.2E-01	6.0E-07	1.0E-03	5.1E-10	1.6E-01	3.8E-02	3.1E-12	8.2E-01	1.2E-06
1.9E-07	1.0E-03	3.1E-10	1.6E-01	3.8E-02	1.9E-12	1.1E+00	6.0E-07	1.0E-03	7.2E-10	1.6E-01	3.8E-02	4.3E-12	1.1E+00	1.2E-06
1.9E-07	1.0E-03	5.3E-10	1.6E-01	3.8E-02	3.2E-12	1.7E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.5E-12	1.7E+00	1.2E-06
1.9E-07	1.0E-03	9.8E-10	1.6E-01	3.8E-02	5.9E-12	2.7E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	3.8E-02	1.0E-11	2.7E+00	1.2E-06

1.9E-07	1.0E-03	8.9E-10	1.6E-01	3.8E-02	5.3E-12	4.2E+00	6.0E-07	1.0E-03	2.6E-09	1.6E-01	3.8E-02	1.6E-11	4.2E+00	1.2E-06
1.9E-07	1.0E-03	5.7E-10	1.6E-01	3.8E-02	3.4E-12	2.8E+00	6.0E-07	1.0E-03	1.8E-09	1.6E-01	3.8E-02	1.1E-11	2.8E+00	1.2E-06
1.9E-07	1.0E-03	3.9E-10	1.6E-01	3.8E-02	2.4E-12	2.0E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	7.5E-12	2.0E+00	1.2E-06
1.9E-07	1.0E-03	2.9E-10	1.6E-01	3.8E-02	1.8E-12	1.5E+00	6.0E-07	1.0E-03	9.3E-10	1.6E-01	3.8E-02	5.6E-12	1.5E+00	1.2E-06
1.9E-07	1.0E-03	2.2E-10	1.6E-01	3.8E-02	1.3E-12	1.1E+00	6.0E-07	1.0E-03	7.0E-10	1.6E-01	3.8E-02	4.2E-12	1.1E+00	1.2E-06
1.9E-07	1.0E-03	1.7E-10	1.6E-01	3.8E-02	1.0E-12	8.7E-01	6.0E-07	1.0E-03	5.4E-10	1.6E-01	3.8E-02	3.3E-12	8.7E-01	1.2E-06
1.9E-07	1.0E-03	1.4E-10	1.6E-01	3.8E-02	8.2E-13	6.9E-01	6.0E-07	1.0E-03	4.3E-10	1.6E-01	3.8E-02	2.6E-12	6.9E-01	1.2E-06
1.9E-07	1.0E-03	1.3E-10	1.6E-01	3.8E-02	8.1E-13	5.4E-01	6.0E-07	1.0E-03	3.4E-10	1.6E-01	3.8E-02	2.1E-12	5.4E-01	1.2E-06
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1.9E-07	1.0E-03	2.6E-10	1.6E-01	3.8E-02	1.5E-12	9.4E-01	6.0E-07	1.0E-03	5.9E-10	1.6E-01	3.8E-02	3.5E-12	9.4E-01	1.2E-06
1.9E-07	1.0E-03	3.9E-10	1.6E-01	3.8E-02	2.3E-12	1.3E+00	6.0E-07	1.0E-03	8.2E-10	1.6E-01	3.8E-02	4.9E-12	1.3E+00	1.2E-06
1.9E-07	1.0E-03	6.2E-10	1.6E-01	3.8E-02	3.8E-12	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.0E-12	1.9E+00	1.2E-06
1.9E-07	1.0E-03	6.6E-10	1.6E-01	3.8E-02	4.0E-12	3.0E+00	6.0E-07	1.0E-03	1.9E-09	1.6E-01	3.8E-02	1.1E-11	3.0E+00	1.2E-06
1.9E-07	1.0E-03	4.5E-10	1.6E-01	3.8E-02	2.7E-12	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	3.8E-02	8.3E-12	2.2E+00	1.2E-06
1.9E-07	1.0E-03	3.2E-10	1.6E-01	3.8E-02	1.9E-12	1.6E+00	6.0E-07	1.0E-03	1.0E-09	1.6E-01	3.8E-02	6.1E-12	1.6E+00	1.2E-06
1.9E-07	1.0E-03	2.5E-10	1.6E-01	3.8E-02	1.5E-12	1.3E+00	6.0E-07	1.0E-03	8.0E-10	1.6E-01	3.8E-02	4.8E-12	1.3E+00	1.2E-06
1.9E-07	1.0E-03	1.9E-10	1.6E-01	3.8E-02	1.1E-12	9.8E-01	6.0E-07	1.0E-03	6.2E-10	1.6E-01	3.8E-02	3.7E-12	9.8E-01	1.2E-06
1.9E-07	1.0E-03	1.5E-10	1.6E-01	3.8E-02	9.1E-13	7.8E-01	6.0E-07	1.0E-03	4.9E-10	1.6E-01	3.8E-02	2.9E-12	7.8E-01	1.2E-06
1.9E-07	1.0E-03	1.2E-10	1.6E-01	3.8E-02	7.3E-13	6.3E-01	6.0E-07	1.0E-03	3.9E-10	1.6E-01	3.8E-02	2.4E-12	6.3E-01	1.2E-06
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1.9E-07	1.0E-03	1.5E-10	1.6E-01	3.8E-02	9.1E-13	5.9E-01	6.0E-07	1.0E-03	3.7E-10	1.6E-01	3.8E-02	2.2E-12	5.9E-01	1.2E-06
1.9E-07	1.0E-03	2.0E-10	1.6E-01	3.8E-02	1.2E-12	7.6E-01	6.0E-07	1.0E-03	4.8E-10	1.6E-01	3.8E-02	2.9E-12	7.6E-01	1.2E-06
1.9E-07	1.0E-03	2.8E-10	1.6E-01	3.8E-02	1.7E-12	1.0E+00	6.0E-07	1.0E-03	6.3E-10	1.6E-01	3.8E-02	3.8E-12	1.0E+00	1.2E-06
1.9E-07	1.0E-03	4.2E-10	1.6E-01	3.8E-02	2.5E-12	1.4E+00	6.0E-07	1.0E-03	8.6E-10	1.6E-01	3.8E-02	5.2E-12	1.4E+00	1.2E-06
1.9E-07	1.0E-03	5.8E-10	1.6E-01	3.8E-02	3.5E-12	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.9E-12	1.8E+00	1.2E-06
1.9E-07	1.0E-03	7.1E-10	1.6E-01	3.8E-02	4.3E-12	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	3.8E-02	8.5E-12	2.2E+00	1.2E-06
1.9E-07	1.0E-03	7.2E-10	1.6E-01	3.8E-02	4.4E-12	2.5E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	3.8E-02	9.3E-12	2.5E+00	1.2E-06
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1.9E-07	1.0E-03	4.9E-10	1.6E-01	3.8E-02	3.0E-12	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	8.0E-12	2.1E+00	1.2E-06
1.9E-07	1.0E-03	3.7E-10	1.6E-01	3.8E-02	2.2E-12	1.7E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.6E-12	1.7E+00	1.2E-06
1.9E-07	1.0E-03	2.7E-10	1.6E-01	3.8E-02	1.6E-12	1.3E+00	6.0E-07	1.0E-03	8.3E-10	1.6E-01	3.8E-02	5.0E-12	1.3E+00	1.2E-06
1.9E-07	1.0E-03	2.1E-10	1.6E-01	3.8E-02	1.2E-12	1.1E+00	6.0E-07	1.0E-03	6.6E-10	1.6E-01	3.8E-02	4.0E-12	1.1E+00	1.2E-06
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1.9E-07	1.0E-03	1.4E-10	1.6E-01	3.8E-02	8.2E-13	7.0E-01	6.0E-07	1.0E-03	4.4E-10	1.6E-01	3.8E-02	2.7E-12	7.0E-01	1.2E-06
1.9E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.7E-13	5.7E-01	6.0E-07	1.0E-03	3.6E-10	1.6E-01	3.8E-02	2.2E-12	5.7E-01	1.2E-06
1.9E-07	1.0E-03	1.0E-10	1.6E-01	3.8E-02	6.1E-13	4.1E-01	6.0E-07	1.0E-03	2.6E-10	1.6E-01	3.8E-02	1.6E-12	4.1E-01	1.2E-06
1.9E-07	1.0E-03	1.3E-10	1.6E-01	3.8E-02	7.6E-13	5.0E-01	6.0E-07	1.0E-03	3.2E-10	1.6E-01	3.8E-02	1.9E-12	5.0E-01	1.2E-06
1.9E-07	1.0E-03	1.6E-10	1.6E-01	3.8E-02	9.8E-13	6.2E-01	6.0E-07	1.0E-03	3.9E-10	1.6E-01	3.8E-02	2.4E-12	6.2E-01	1.2E-06
1.9E-07	1.0E-03	2.2E-10	1.6E-01	3.8E-02	1.3E-12	8.0E-01	6.0E-07	1.0E-03	5.0E-10	1.6E-01	3.8E-02	3.0E-12	8.0E-01	1.2E-06
1.9E-07	1.0E-03	2.9E-10	1.6E-01	3.8E-02	1.8E-12	1.0E+00	6.0E-07	1.0E-03	6.5E-10	1.6E-01	3.8E-02	3.9E-12	1.0E+00	1.2E-06
1.9E-07	1.0E-03	3.7E-10	1.6E-01	3.8E-02	2.3E-12	1.3E+00	6.0E-07	1.0E-03	8.1E-10	1.6E-01	3.8E-02	4.9E-12	1.3E+00	1.2E-06
1.9E-07	1.0E-03	4.4E-10	1.6E-01	3.8E-02	2.6E-12	1.5E+00	6.0E-07	1.0E-03	9.5E-10	1.6E-01	3.8E-02	5.7E-12	1.5E+00	1.2E-06
1.9E-07	1.0E-03	4.6E-10	1.6E-01	3.8E-02	2.8E-12	1.7E+00	6.0E-07	1.0E-03	1.0E-09	1.6E-01	3.8E-02	6.3E-12	1.7E+00	1.2E-06
1.9E-07	1.0E-03	4.3E-10	1.6E-01	3.8E-02	2.6E-12	1.7E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.3E-12	1.7E+00	1.2E-06
1.9E-07	1.0E-03	3.6E-10	1.6E-01	3.8E-02	2.2E-12	1.6E+00	6.0E-07	1.0E-03	9.7E-10	1.6E-01	3.8E-02	5.9E-12	1.6E+00	1.2E-06
1.9E-07	1.0E-03	3.0E-10	1.6E-01	3.8E-02	1.8E-12	1.4E+00	6.0E-07	1.0E-03	8.5E-10	1.6E-01	3.8E-02	5.1E-12	1.4E+00	1.2E-06
1.9E-07	1.0E-03	2.4E-10	1.6E-01	3.8E-02	1.4E-12	1.1E+00	6.0E-07	1.0E-03	7.1E-10	1.6E-01	3.8E-02	4.3E-12	1.1E+00	1.2E-06
1.9E-07	1.0E-03	1.8E-10	1.6E-01	3.8E-02	1.1E-12	9.0E-01	6.0E-07	1.0E-03	5.6E-10	1.6E-01	3.8E-02	3.4E-12	9.0E-01	1.2E-06
1.9E-07	1.0E-03	1.5E-10	1.6E-01	3.8E-02	9.1E-13	7.7E-01	6.0E-07	1.0E-03	4.8E-10	1.6E-01	3.8E-02	2.9E-12	7.7E-01	1.2E-06

1.9E-07	1.0E-03	1.2E-10	1.6E-01	3.8E-02	7.5E-13	6.4E-01	6.0E-07	1.0E-03	4.0E-10	1.6E-01	3.8E-02	2.4E-12	6.4E-01	1.2E-06
1.9E-07	1.0E-03	1.0E-10	1.6E-01	3.8E-02	6.2E-13	5.3E-01	6.0E-07	1.0E-03	3.3E-10	1.6E-01	3.8E-02	2.0E-12	5.3E-01	1.2E-06
1.9E-07	1.0E-03	8.7E-11	1.6E-01	3.8E-02	5.3E-13	3.6E-01	6.0E-07	1.0E-03	2.3E-10	1.6E-01	3.8E-02	1.4E-12	3.6E-01	1.2E-06
1.9E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.4E-13	4.3E-01	6.0E-07	1.0E-03	2.7E-10	1.6E-01	3.8E-02	1.6E-12	4.3E-01	1.2E-06
1.9E-07	1.0E-03	1.3E-10	1.6E-01	3.8E-02	8.1E-13	5.3E-01	6.0E-07	1.0E-03	3.3E-10	1.6E-01	3.8E-02	2.0E-12	5.3E-01	1.2E-06
1.9E-07	1.0E-03	1.7E-10	1.6E-01	3.8E-02	1.0E-12	6.5E-01	6.0E-07	1.0E-03	4.1E-10	1.6E-01	3.8E-02	2.5E-12	6.5E-01	1.2E-06
1.9E-07	1.0E-03	2.1E-10	1.6E-01	3.8E-02	1.3E-12	8.0E-01	6.0E-07	1.0E-03	5.0E-10	1.6E-01	3.8E-02	3.0E-12	8.0E-01	1.2E-06
1.9E-07	1.0E-03	2.6E-10	1.6E-01	3.8E-02	1.6E-12	9.6E-01	6.0E-07	1.0E-03	6.0E-10	1.6E-01	3.8E-02	3.6E-12	9.6E-01	1.2E-06
1.9E-07	1.0E-03	3.0E-10	1.6E-01	3.8E-02	1.8E-12	1.1E+00	6.0E-07	1.0E-03	6.9E-10	1.6E-01	3.8E-02	4.2E-12	1.1E+00	1.2E-06
1.9E-07	1.0E-03	3.1E-10	1.6E-01	3.8E-02	1.9E-12	1.2E+00	6.0E-07	1.0E-03	7.5E-10	1.6E-01	3.8E-02	4.5E-12	1.2E+00	1.2E-06
1.9E-07	1.0E-03	3.1E-10	1.6E-01	3.8E-02	1.8E-12	1.2E+00	6.0E-07	1.0E-03	7.6E-10	1.6E-01	3.8E-02	4.6E-12	1.2E+00	1.2E-06
1.9E-07	1.0E-03	2.7E-10	1.6E-01	3.8E-02	1.6E-12	1.2E+00	6.0E-07	1.0E-03	7.3E-10	1.6E-01	3.8E-02	4.4E-12	1.2E+00	1.2E-06
1.9E-07	1.0E-03	2.3E-10	1.6E-01	3.8E-02	1.4E-12	1.0E+00	6.0E-07	1.0E-03	6.4E-10	1.6E-01	3.8E-02	3.9E-12	1.0E+00	1.2E-06
1.9E-07	1.0E-03	1.9E-10	1.6E-01	3.8E-02	1.2E-12	9.0E-01	6.0E-07	1.0E-03	5.7E-10	1.6E-01	3.8E-02	3.4E-12	9.0E-01	1.2E-06
1.9E-07	1.0E-03	1.6E-10	1.6E-01	3.8E-02	9.6E-13	7.8E-01	6.0E-07	1.0E-03	4.9E-10	1.6E-01	3.8E-02	2.9E-12	7.8E-01	1.2E-06
1.9E-07	1.0E-03	1.3E-10	1.6E-01	3.8E-02	7.7E-13	6.4E-01	6.0E-07	1.0E-03	4.0E-10	1.6E-01	3.8E-02	2.4E-12	6.4E-01	1.2E-06
1.9E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.8E-13	5.7E-01	6.0E-07	1.0E-03	3.6E-10	1.6E-01	3.8E-02	2.2E-12	5.7E-01	1.2E-06
1.9E-07	1.0E-03	9.5E-11	1.6E-01	3.8E-02	5.7E-13	4.9E-01	6.0E-07	1.0E-03	3.1E-10	1.6E-01	3.8E-02	1.8E-12	4.9E-01	1.2E-06
1.9E-07	1.0E-03	7.6E-11	1.6E-01	3.8E-02	4.6E-13	3.2E-01	6.0E-07	1.0E-03	2.0E-10	1.6E-01	3.8E-02	1.2E-12	3.2E-01	1.2E-06
1.9E-07	1.0E-03	9.1E-11	1.6E-01	3.8E-02	5.5E-13	3.7E-01	6.0E-07	1.0E-03	2.4E-10	1.6E-01	3.8E-02	1.4E-12	3.7E-01	1.2E-06
1.9E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.7E-13	4.5E-01	6.0E-07	1.0E-03	2.8E-10	1.6E-01	3.8E-02	1.7E-12	4.5E-01	1.2E-06
1.9E-07	1.0E-03	1.4E-10	1.6E-01	3.8E-02	8.2E-13	5.3E-01	6.0E-07	1.0E-03	3.4E-10	1.6E-01	3.8E-02	2.0E-12	5.3E-01	1.2E-06
1.9E-07	1.0E-03	1.6E-10	1.6E-01	3.8E-02	9.9E-13	6.4E-01	6.0E-07	1.0E-03	4.0E-10	1.6E-01	3.8E-02	2.4E-12	6.4E-01	1.2E-06
1.9E-07	1.0E-03	1.9E-10	1.6E-01	3.8E-02	1.2E-12	7.4E-01	6.0E-07	1.0E-03	4.7E-10	1.6E-01	3.8E-02	2.8E-12	7.4E-01	1.2E-06
1.9E-07	1.0E-03	2.2E-10	1.6E-01	3.8E-02	1.3E-12	8.4E-01	6.0E-07	1.0E-03	5.2E-10	1.6E-01	3.8E-02	3.2E-12	8.4E-01	1.2E-06
1.9E-07	1.0E-03	2.3E-10	1.6E-01	3.8E-02	1.4E-12	9.0E-01	6.0E-07	1.0E-03	5.6E-10	1.6E-01	3.8E-02	3.4E-12	9.0E-01	1.2E-06
1.9E-07	1.0E-03	2.3E-10	1.6E-01	3.8E-02	1.4E-12	9.2E-01	6.0E-07	1.0E-03	5.8E-10	1.6E-01	3.8E-02	3.5E-12	9.2E-01	1.2E-06
1.9E-07	1.0E-03	2.1E-10	1.6E-01	3.8E-02	1.3E-12	8.9E-01	6.0E-07	1.0E-03	5.6E-10	1.6E-01	3.8E-02	3.4E-12	8.9E-01	1.2E-06
1.9E-07	1.0E-03	1.9E-10	1.6E-01	3.8E-02	1.1E-12	8.4E-01	6.0E-07	1.0E-03	5.3E-10	1.6E-01	3.8E-02	3.2E-12	8.4E-01	1.2E-06
1.9E-07	1.0E-03	1.7E-10	1.6E-01	3.8E-02	1.0E-12	7.7E-01	6.0E-07	1.0E-03	4.8E-10	1.6E-01	3.8E-02	2.9E-12	7.7E-01	1.2E-06
1.9E-07	1.0E-03	1.4E-10	1.6E-01	3.8E-02	8.6E-13	6.8E-01	6.0E-07	1.0E-03	4.3E-10	1.6E-01	3.8E-02	2.6E-12	6.8E-01	1.2E-06
1.9E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.9E-13	5.6E-01	6.0E-07	1.0E-03	3.5E-10	1.6E-01	3.8E-02	2.1E-12	5.6E-01	1.2E-06
1.9E-07	1.0E-03	9.7E-11	1.6E-01	3.8E-02	5.8E-13	4.9E-01	6.0E-07	1.0E-03	3.1E-10	1.6E-01	3.8E-02	1.8E-12	4.9E-01	1.2E-06
1.9E-07	1.0E-03	8.8E-11	1.6E-01	3.8E-02	5.3E-13	4.5E-01	6.0E-07	1.0E-03	2.8E-10	1.6E-01	3.8E-02	1.7E-12	4.5E-01	1.2E-06
1.9E-07	1.0E-03	6.7E-11	1.6E-01	3.8E-02	4.0E-13	2.8E-01	6.0E-07	1.0E-03	1.8E-10	1.6E-01	3.8E-02	1.1E-12	2.8E-01	1.2E-06
1.9E-07	1.0E-03	7.9E-11	1.6E-01	3.8E-02	4.7E-13	3.3E-01	6.0E-07	1.0E-03	2.1E-10	1.6E-01	3.8E-02	1.2E-12	3.3E-01	1.2E-06
1.9E-07	1.0E-03	9.3E-11	1.6E-01	3.8E-02	5.6E-13	3.8E-01	6.0E-07	1.0E-03	2.4E-10	1.6E-01	3.8E-02	1.4E-12	3.8E-01	1.2E-06
1.9E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.7E-13	4.5E-01	6.0E-07	1.0E-03	2.8E-10	1.6E-01	3.8E-02	1.7E-12	4.5E-01	1.2E-06
1.9E-07	1.0E-03	1.3E-10	1.6E-01	3.8E-02	7.8E-13	5.2E-01	6.0E-07	1.0E-03	3.3E-10	1.6E-01	3.8E-02	2.0E-12	5.2E-01	1.2E-06
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1.9E-07	1.0E-03	1.7E-10	1.6E-01	3.8E-02	1.0E-12	7.1E-01	6.0E-07	1.0E-03	4.5E-10	1.6E-01	3.8E-02	2.7E-12	7.1E-01	1.2E-06
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1.9E-07	1.0E-03	1.4E-10	1.6E-01	3.8E-02	8.4E-13	6.4E-01	6.0E-07	1.0E-03	4.0E-10	1.6E-01	3.8E-02	2.4E-12	6.4E-01	1.2E-06
1.9E-07	1.0E-03	1.2E-10	1.6E-01	3.8E-02	7.5E-13	5.8E-01	6.0E-07	1.0E-03	3.7E-10	1.6E-01	3.8E-02	2.2E-12	5.8E-01	1.2E-06
1.9E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.5E-13	5.2E-01	6.0E-07	1.0E-03	3.3E-10	1.6E-01	3.8E-02	2.0E-12	5.2E-01	1.2E-06
1.9E-07	1.0E-03	8.8E-11	1.6E-01	3.8E-02	5.3E-13	4.3E-01	6.0E-07	1.0E-03	2.7E-10	1.6E-01	3.8E-02	1.6E-12	4.3E-01	1.2E-06

1.9E-07	1.0E-03	7.6E-11	1.6E-01	3.8E-02	4.6E-13	3.8E-01	6.0E-07	1.0E-03	2.4E-10	1.6E-01	3.8E-02	1.4E-12	3.8E-01	1.2E-06
1.9E-07	1.0E-03	5.8E-11	1.6E-01	3.8E-02	3.5E-13	2.5E-01	6.0E-07	1.0E-03	1.6E-10	1.6E-01	3.8E-02	9.4E-13	2.5E-01	1.2E-06
1.9E-07	1.0E-03	6.8E-11	1.6E-01	3.8E-02	4.1E-13	2.9E-01	6.0E-07	1.0E-03	1.8E-10	1.6E-01	3.8E-02	1.1E-12	2.9E-01	1.2E-06
1.9E-07	1.0E-03	7.9E-11	1.6E-01	3.8E-02	4.8E-13	3.3E-01	6.0E-07	1.0E-03	2.1E-10	1.6E-01	3.8E-02	1.2E-12	3.3E-01	1.2E-06
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1.9E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.4E-13	4.3E-01	6.0E-07	1.0E-03	2.7E-10	1.6E-01	3.8E-02	1.6E-12	4.3E-01	1.2E-06
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1.9E-07	1.0E-03	1.3E-10	1.6E-01	3.8E-02	7.8E-13	5.3E-01	6.0E-07	1.0E-03	3.3E-10	1.6E-01	3.8E-02	2.0E-12	5.3E-01	1.2E-06
1.9E-07	1.0E-03	1.4E-10	1.6E-01	3.8E-02	8.2E-13	5.6E-01	6.0E-07	1.0E-03	3.5E-10	1.6E-01	3.8E-02	2.1E-12	5.6E-01	1.2E-06
1.9E-07	1.0E-03	1.4E-10	1.6E-01	3.8E-02	8.3E-13	5.8E-01	6.0E-07	1.0E-03	3.6E-10	1.6E-01	3.8E-02	2.2E-12	5.8E-01	1.2E-06
1.9E-07	1.0E-03	1.3E-10	1.6E-01	3.8E-02	8.1E-13	5.8E-01	6.0E-07	1.0E-03	3.6E-10	1.6E-01	3.8E-02	2.2E-12	5.8E-01	1.2E-06
1.9E-07	1.0E-03	1.3E-10	1.6E-01	3.8E-02	7.7E-13	5.6E-01	6.0E-07	1.0E-03	3.5E-10	1.6E-01	3.8E-02	2.1E-12	5.6E-01	1.2E-06
1.9E-07	1.0E-03	1.2E-10	1.6E-01	3.8E-02	7.1E-13	5.3E-01	6.0E-07	1.0E-03	3.4E-10	1.6E-01	3.8E-02	2.0E-12	5.3E-01	1.2E-06
1.9E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.4E-13	5.0E-01	6.0E-07	1.0E-03	3.1E-10	1.6E-01	3.8E-02	1.9E-12	5.0E-01	1.2E-06
1.9E-07	1.0E-03	9.5E-11	1.6E-01	3.8E-02	5.8E-13	4.5E-01	6.0E-07	1.0E-03	2.9E-10	1.6E-01	3.8E-02	1.7E-12	4.5E-01	1.2E-06
1.9E-07	1.0E-03	8.3E-11	1.6E-01	3.8E-02	5.0E-13	4.0E-01	6.0E-07	1.0E-03	2.5E-10	1.6E-01	3.8E-02	1.5E-12	4.0E-01	1.2E-06
1.9E-07	1.0E-03	6.9E-11	1.6E-01	3.8E-02	4.2E-13	3.4E-01	6.0E-07	1.0E-03	2.1E-10	1.6E-01	3.8E-02	1.3E-12	3.4E-01	1.2E-06
1.9E-07	1.0E-03	5.2E-11	1.6E-01	3.8E-02	3.1E-13	2.2E-01	6.0E-07	1.0E-03	1.4E-10	1.6E-01	3.8E-02	8.4E-13	2.2E-01	1.2E-06
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1.9E-07	1.0E-03	7.7E-11	1.6E-01	3.8E-02	4.7E-13	3.3E-01	6.0E-07	1.0E-03	2.0E-10	1.6E-01	3.8E-02	1.2E-12	3.3E-01	1.2E-06
1.9E-07	1.0E-03	8.7E-11	1.6E-01	3.8E-02	5.3E-13	3.7E-01	6.0E-07	1.0E-03	2.3E-10	1.6E-01	3.8E-02	1.4E-12	3.7E-01	1.2E-06
1.9E-07	1.0E-03	9.7E-11	1.6E-01	3.8E-02	5.8E-13	4.0E-01	6.0E-07	1.0E-03	2.5E-10	1.6E-01	3.8E-02	1.5E-12	4.0E-01	1.2E-06
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1.9E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.6E-13	4.6E-01	6.0E-07	1.0E-03	2.9E-10	1.6E-01	3.8E-02	1.8E-12	4.6E-01	1.2E-06
1.9E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.7E-13	4.8E-01	6.0E-07	1.0E-03	3.0E-10	1.6E-01	3.8E-02	1.8E-12	4.8E-01	1.2E-06
1.9E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.6E-13	4.8E-01	6.0E-07	1.0E-03	3.0E-10	1.6E-01	3.8E-02	1.8E-12	4.8E-01	1.2E-06
1.9E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.4E-13	4.7E-01	6.0E-07	1.0E-03	2.9E-10	1.6E-01	3.8E-02	1.8E-12	4.7E-01	1.2E-06
1.9E-07	1.0E-03	9.9E-11	1.6E-01	3.8E-02	6.0E-13	4.5E-01	6.0E-07	1.0E-03	2.8E-10	1.6E-01	3.8E-02	1.7E-12	4.5E-01	1.2E-06
1.9E-07	1.0E-03	9.2E-11	1.6E-01	3.8E-02	5.5E-13	4.3E-01	6.0E-07	1.0E-03	2.7E-10	1.6E-01	3.8E-02	1.6E-12	4.3E-01	1.2E-06
1.9E-07	1.0E-03	8.4E-11	1.6E-01	3.8E-02	5.1E-13	4.0E-01	6.0E-07	1.0E-03	2.5E-10	1.6E-01	3.8E-02	1.5E-12	4.0E-01	1.2E-06
1.9E-07	1.0E-03	7.5E-11	1.6E-01	3.8E-02	4.5E-13	3.6E-01	6.0E-07	1.0E-03	2.3E-10	1.6E-01	3.8E-02	1.4E-12	3.6E-01	1.2E-06
1.9E-07	1.0E-03	6.4E-11	1.6E-01	3.8E-02	3.8E-13	3.1E-01	6.0E-07	1.0E-03	2.0E-10	1.6E-01	3.8E-02	1.2E-12	3.1E-01	1.2E-06
1.9E-07	1.0E-03	2.3E-09	1.6E-01	3.8E-02	1.4E-11	1.4E+01	6.0E-07	1.0E-03	8.9E-09	1.6E-01	3.8E-02	5.4E-11	1.4E+01	1.2E-06
1.9E-07	1.0E-03	2.8E-09	1.6E-01	3.8E-02	1.7E-11	1.8E+01	6.0E-07	1.0E-03	1.1E-08	1.6E-01	3.8E-02	6.9E-11	1.8E+01	1.2E-06
1.9E-07	1.0E-03	3.2E-09	1.6E-01	3.8E-02	1.9E-11	2.4E+01	6.0E-07	1.0E-03	1.5E-08	1.6E-01	3.8E-02	9.1E-11	2.4E+01	1.2E-06
1.9E-07	1.0E-03	3.7E-09	1.6E-01	3.8E-02	2.3E-11	3.2E+01	6.0E-07	1.0E-03	2.0E-08	1.6E-01	3.8E-02	1.2E-10	3.2E+01	1.2E-06
1.9E-07	1.0E-03	4.3E-09	1.6E-01	3.8E-02	2.6E-11	4.2E+01	6.0E-07	1.0E-03	2.7E-08	1.6E-01	3.8E-02	1.6E-10	4.2E+01	1.2E-06
1.9E-07	1.0E-03	4.7E-09	1.6E-01	3.8E-02	2.8E-11	5.4E+01	6.0E-07	1.0E-03	3.4E-08	1.6E-01	3.8E-02	2.0E-10	5.4E+01	1.2E-06
1.9E-07	1.0E-03	4.9E-09	1.6E-01	3.8E-02	2.9E-11	6.3E+01	6.0E-07	1.0E-03	3.9E-08	1.6E-01	3.8E-02	2.4E-10	6.3E+01	1.2E-06
1.9E-07	1.0E-03	4.9E-09	1.6E-01	3.8E-02	2.9E-11	6.8E+01	6.0E-07	1.0E-03	4.3E-08	1.6E-01	3.8E-02	2.6E-10	6.8E+01	1.2E-06
1.9E-07	1.0E-03	4.7E-09	1.6E-01	3.8E-02	2.8E-11	7.0E+01	6.0E-07	1.0E-03	4.4E-08	1.6E-01	3.8E-02	2.6E-10	7.0E+01	1.2E-06
1.9E-07	1.0E-03	4.3E-09	1.6E-01	3.8E-02	2.6E-11	6.8E+01	6.0E-07	1.0E-03	4.2E-08	1.6E-01	3.8E-02	2.6E-10	6.8E+01	1.2E-06
1.9E-07	1.0E-03	4.0E-09	1.6E-01	3.8E-02	2.4E-11	6.1E+01	6.0E-07	1.0E-03	3.8E-08	1.6E-01	3.8E-02	2.3E-10	6.1E+01	1.2E-06
1.9E-07	1.0E-03	3.6E-09	1.6E-01	3.8E-02	2.2E-11	5.1E+01	6.0E-07	1.0E-03	3.2E-08	1.6E-01	3.8E-02	1.9E-10	5.1E+01	1.2E-06
1.9E-07	1.0E-03	3.3E-09	1.6E-01	3.8E-02	2.0E-11	4.2E+01	6.0E-07	1.0E-03	2.7E-08	1.6E-01	3.8E-02	1.6E-10	4.2E+01	1.2E-06
1.9E-07	1.0E-03	3.0E-09	1.6E-01	3.8E-02	1.8E-11	3.5E+01	6.0E-07	1.0E-03	2.2E-08	1.6E-01	3.8E-02	1.3E-10	3.5E+01	1.2E-06
1.9E-07	1.0E-03	2.7E-09	1.6E-01	3.8E-02	1.6E-11	2.9E+01	6.0E-07	1.0E-03	1.8E-08	1.6E-01	3.8E-02	1.1E-10	2.9E+01	1.2E-06
1.9E-07	1.0E-03	2.4E-09	1.6E-01	3.8E-02	1.5E-11	2.4E+01	6.0E-07	1.0E-03	1.5E-08	1.6E-01	3.8E-02	9.0E-11	2.4E+01	1.2E-06

1.9E-07	1.0E-03	2.2E-09	1.6E-01	3.8E-02	1.3E-11	2.0E+01	6.0E-07	1.0E-03	1.3E-08	1.6E-01	3.8E-02	7.6E-11	2.0E+01	1.2E-06
1.9E-07	1.0E-03	2.0E-09	1.6E-01	3.8E-02	1.2E-11	1.7E+01	6.0E-07	1.0E-03	1.1E-08	1.6E-01	3.8E-02	6.4E-11	1.7E+01	1.2E-06
1.9E-07	1.0E-03	1.8E-09	1.6E-01	3.8E-02	1.1E-11	1.5E+01	6.0E-07	1.0E-03	9.1E-09	1.6E-01	3.8E-02	5.5E-11	1.5E+01	1.2E-06
1.9E-07	1.0E-03	1.6E-09	1.6E-01	3.8E-02	9.7E-12	1.3E+01	6.0E-07	1.0E-03	7.9E-09	1.6E-01	3.8E-02	4.8E-11	1.3E+01	1.2E-06
1.9E-07	1.0E-03	1.5E-09	1.6E-01	3.8E-02	8.8E-12	1.1E+01	6.0E-07	1.0E-03	6.9E-09	1.6E-01	3.8E-02	4.1E-11	1.1E+01	1.2E-06
1.9E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	8.0E-12	9.6E+00	6.0E-07	1.0E-03	6.0E-09	1.6E-01	3.8E-02	3.6E-11	9.6E+00	1.2E-06
1.9E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.3E-12	8.5E+00	6.0E-07	1.0E-03	5.3E-09	1.6E-01	3.8E-02	3.2E-11	8.5E+00	1.2E-06
1.9E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.7E-12	7.5E+00	6.0E-07	1.0E-03	4.7E-09	1.6E-01	3.8E-02	2.8E-11	7.5E+00	1.2E-06
1.9E-07	1.0E-03	1.0E-09	1.6E-01	3.8E-02	6.2E-12	6.7E+00	6.0E-07	1.0E-03	4.2E-09	1.6E-01	3.8E-02	2.5E-11	6.7E+00	1.2E-06
1.9E-07	1.0E-03	9.4E-10	1.6E-01	3.8E-02	5.7E-12	6.0E+00	6.0E-07	1.0E-03	3.8E-09	1.6E-01	3.8E-02	2.3E-11	6.0E+00	1.2E-06
1.9E-07	1.0E-03	2.9E-09	1.6E-01	3.8E-02	1.7E-11	1.6E+01	6.0E-07	1.0E-03	1.0E-08	1.6E-01	3.8E-02	6.1E-11	1.6E+01	1.2E-06
1.9E-07	1.0E-03	3.5E-09	1.6E-01	3.8E-02	2.1E-11	2.2E+01	6.0E-07	1.0E-03	1.4E-08	1.6E-01	3.8E-02	8.2E-11	2.2E+01	1.2E-06
1.9E-07	1.0E-03	4.3E-09	1.6E-01	3.8E-02	2.6E-11	3.0E+01	6.0E-07	1.0E-03	1.9E-08	1.6E-01	3.8E-02	1.1E-10	3.0E+01	1.2E-06
1.9E-07	1.0E-03	5.2E-09	1.6E-01	3.8E-02	3.1E-11	4.3E+01	6.0E-07	1.0E-03	2.7E-08	1.6E-01	3.8E-02	1.6E-10	4.3E+01	1.2E-06
1.9E-07	1.0E-03	6.1E-09	1.6E-01	3.8E-02	3.7E-11	1.5E+01	6.0E-07	1.0E-03	9.6E-09	1.6E-01	3.8E-02	5.8E-11	1.5E+01	1.2E-06
1.9E-07	1.0E-03	6.8E-09	1.6E-01	3.8E-02	4.1E-11	2.2E+01	6.0E-07	1.0E-03	1.4E-08	1.6E-01	3.8E-02	8.2E-11	2.2E+01	1.2E-06
1.9E-07	1.0E-03	7.0E-09	1.6E-01	3.8E-02	4.2E-11	3.2E+01	6.0E-07	1.0E-03	2.0E-08	1.6E-01	3.8E-02	1.2E-10	3.2E+01	1.2E-06
1.9E-07	1.0E-03	6.6E-09	1.6E-01	3.8E-02	4.0E-11	4.6E+01	6.0E-07	1.0E-03	2.9E-08	1.6E-01	3.8E-02	1.8E-10	4.6E+01	1.2E-06
1.9E-07	1.0E-03	6.1E-09	1.6E-01	3.8E-02	3.7E-11	4.7E+01	6.0E-07	1.0E-03	3.0E-08	1.6E-01	3.8E-02	1.8E-10	4.7E+01	1.2E-06
1.9E-07	1.0E-03	5.4E-09	1.6E-01	3.8E-02	3.3E-11	3.5E+01	6.0E-07	1.0E-03	2.2E-08	1.6E-01	3.8E-02	1.3E-10	3.5E+01	1.2E-06
1.9E-07	1.0E-03	4.8E-09	1.6E-01	3.8E-02	2.9E-11	2.6E+01	6.0E-07	1.0E-03	1.7E-08	1.6E-01	3.8E-02	1.0E-10	2.6E+01	1.2E-06
1.9E-07	1.0E-03	4.2E-09	1.6E-01	3.8E-02	2.5E-11	6.8E+01	6.0E-07	1.0E-03	4.3E-08	1.6E-01	3.8E-02	2.6E-10	6.8E+01	1.2E-06
1.9E-07	1.0E-03	3.7E-09	1.6E-01	3.8E-02	2.3E-11	5.2E+01	6.0E-07	1.0E-03	3.2E-08	1.6E-01	3.8E-02	2.0E-10	5.2E+01	1.2E-06
1.9E-07	1.0E-03	3.3E-09	1.6E-01	3.8E-02	2.0E-11	4.0E+01	6.0E-07	1.0E-03	2.5E-08	1.6E-01	3.8E-02	1.5E-10	4.0E+01	1.2E-06
1.9E-07	1.0E-03	2.9E-09	1.6E-01	3.8E-02	1.8E-11	3.2E+01	6.0E-07	1.0E-03	2.0E-08	1.6E-01	3.8E-02	1.2E-10	3.2E+01	1.2E-06
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1.9E-07	1.0E-03	2.3E-09	1.6E-01	3.8E-02	1.4E-11	2.1E+01	6.0E-07	1.0E-03	1.3E-08	1.6E-01	3.8E-02	8.0E-11	2.1E+01	1.2E-06
1.9E-07	1.0E-03	2.1E-09	1.6E-01	3.8E-02	1.3E-11	1.8E+01	6.0E-07	1.0E-03	1.1E-08	1.6E-01	3.8E-02	6.7E-11	1.8E+01	1.2E-06
1.9E-07	1.0E-03	1.9E-09	1.6E-01	3.8E-02	1.1E-11	1.5E+01	6.0E-07	1.0E-03	9.4E-09	1.6E-01	3.8E-02	5.6E-11	1.5E+01	1.2E-06
1.9E-07	1.0E-03	1.7E-09	1.6E-01	3.8E-02	1.0E-11	1.3E+01	6.0E-07	1.0E-03	8.0E-09	1.6E-01	3.8E-02	4.8E-11	1.3E+01	1.2E-06
1.9E-07	1.0E-03	1.5E-09	1.6E-01	3.8E-02	9.1E-12	1.1E+01	6.0E-07	1.0E-03	6.9E-09	1.6E-01	3.8E-02	4.2E-11	1.1E+01	1.2E-06
1.9E-07	1.0E-03	1.4E-09	1.6E-01	3.8E-02	8.2E-12	9.6E+00	6.0E-07	1.0E-03	6.0E-09	1.6E-01	3.8E-02	3.6E-11	9.6E+00	1.2E-06
1.9E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.5E-12	8.4E+00	6.0E-07	1.0E-03	5.3E-09	1.6E-01	3.8E-02	3.2E-11	8.4E+00	1.2E-06
1.9E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.8E-12	7.4E+00	6.0E-07	1.0E-03	4.7E-09	1.6E-01	3.8E-02	2.8E-11	7.4E+00	1.2E-06
1.9E-07	1.0E-03	1.0E-09	1.6E-01	3.8E-02	6.2E-12	6.6E+00	6.0E-07	1.0E-03	4.2E-09	1.6E-01	3.8E-02	2.5E-11	6.6E+00	1.2E-06
1.9E-07	1.0E-03	9.5E-10	1.6E-01	3.8E-02	5.7E-12	5.9E+00	6.0E-07	1.0E-03	3.7E-09	1.6E-01	3.8E-02	2.2E-11	5.9E+00	1.2E-06
1.9E-07	1.0E-03	3.5E-09	1.6E-01	3.8E-02	2.1E-11	1.8E+01	6.0E-07	1.0E-03	1.1E-08	1.6E-01	3.8E-02	6.8E-11	1.8E+01	1.2E-06
1.9E-07	1.0E-03	4.5E-09	1.6E-01	3.8E-02	2.7E-11	2.5E+01	6.0E-07	1.0E-03	1.6E-08	1.6E-01	3.8E-02	9.4E-11	2.5E+01	1.2E-06
1.9E-07	1.0E-03	5.8E-09	1.6E-01	3.8E-02	3.5E-11	3.7E+01	6.0E-07	1.0E-03	2.3E-08	1.6E-01	3.8E-02	1.4E-10	3.7E+01	1.2E-06
1.9E-07	1.0E-03	7.6E-09	1.6E-01	3.8E-02	4.6E-11	5.7E+01	6.0E-07	1.0E-03	3.6E-08	1.6E-01	3.8E-02	2.1E-10	5.7E+01	1.2E-06
1.9E-07	1.0E-03	9.4E-09	1.6E-01	3.8E-02	5.7E-11	1.8E+01	6.0E-07	1.0E-03	1.1E-08	1.6E-01	3.8E-02	6.8E-11	1.8E+01	1.2E-06
1.9E-07	1.0E-03	1.1E-08	1.6E-01	3.8E-02	6.5E-11	2.7E+01	6.0E-07	1.0E-03	1.7E-08	1.6E-01	3.8E-02	1.0E-10	2.7E+01	1.2E-06
1.9E-07	1.0E-03	1.1E-08	1.6E-01	3.8E-02	6.4E-11	4.4E+01	6.0E-07	1.0E-03	2.7E-08	1.6E-01	3.8E-02	1.6E-10	4.4E+01	1.2E-06
1.9E-07	1.0E-03	9.3E-09	1.6E-01	3.8E-02	5.6E-11	0.0E+00	6.0E-07	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	0.0E+00	1.2E-06
1.9E-07	1.0E-03	7.9E-09	1.6E-01	3.8E-02	4.8E-11	0.0E+00	6.0E-07	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	0.0E+00	1.2E-06
1.9E-07	1.0E-03	6.7E-09	1.6E-01	3.8E-02	4.0E-11	4.3E+01	6.0E-07	1.0E-03	2.7E-08	1.6E-01	3.8E-02	1.6E-10	4.3E+01	1.2E-06
1.9E-07	1.0E-03	5.7E-09	1.6E-01	3.8E-02	3.4E-11	3.0E+01	6.0E-07	1.0E-03	1.9E-08	1.6E-01	3.8E-02	1.1E-10	3.0E+01	1.2E-06
1.9E-07	1.0E-03	4.9E-09	1.6E-01	3.8E-02	2.9E-11	2.2E+01	6.0E-07	1.0E-03	1.4E-08	1.6E-01	3.8E-02	8.5E-11	2.2E+01	1.2E-06
1.9E-07	1.0E-03	4.2E-09	1.6E-01	3.8E-02	2.5E-11	6.1E+01	6.0E-07	1.0E-03	3.9E-08	1.6E-01	3.8E-02	2.3E-10	6.1E+01	1.2E-06

1.9E-07	1.0E-03	3.6E-09	1.6E-01	3.8E-02	2.2E-11	4.4E+01	6.0E-07	1.0E-03	2.8E-08	1.6E-01	3.8E-02	1.7E-10	4.4E+01	1.2E-06
1.9E-07	1.0E-03	3.2E-09	1.6E-01	3.8E-02	1.9E-11	3.4E+01	6.0E-07	1.0E-03	2.1E-08	1.6E-01	3.8E-02	1.3E-10	3.4E+01	1.2E-06
1.9E-07	1.0E-03	2.8E-09	1.6E-01	3.8E-02	1.7E-11	2.7E+01	6.0E-07	1.0E-03	1.7E-08	1.6E-01	3.8E-02	1.0E-10	2.7E+01	1.2E-06
1.9E-07	1.0E-03	2.5E-09	1.6E-01	3.8E-02	1.5E-11	2.2E+01	6.0E-07	1.0E-03	1.4E-08	1.6E-01	3.8E-02	8.2E-11	2.2E+01	1.2E-06
1.9E-07	1.0E-03	2.2E-09	1.6E-01	3.8E-02	1.3E-11	1.8E+01	6.0E-07	1.0E-03	1.1E-08	1.6E-01	3.8E-02	6.7E-11	1.8E+01	1.2E-06
1.9E-07	1.0E-03	1.9E-09	1.6E-01	3.8E-02	1.2E-11	1.5E+01	6.0E-07	1.0E-03	9.4E-09	1.6E-01	3.8E-02	5.6E-11	1.5E+01	1.2E-06
1.9E-07	1.0E-03	1.7E-09	1.6E-01	3.8E-02	1.0E-11	1.3E+01	6.0E-07	1.0E-03	7.9E-09	1.6E-01	3.8E-02	4.8E-11	1.3E+01	1.2E-06
1.9E-07	1.0E-03	1.5E-09	1.6E-01	3.8E-02	9.3E-12	1.1E+01	6.0E-07	1.0E-03	6.8E-09	1.6E-01	3.8E-02	4.1E-11	1.1E+01	1.2E-06
1.9E-07	1.0E-03	1.4E-09	1.6E-01	3.8E-02	8.4E-12	9.4E+00	6.0E-07	1.0E-03	5.9E-09	1.6E-01	3.8E-02	3.6E-11	9.4E+00	1.2E-06
1.9E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	7.6E-12	8.2E+00	6.0E-07	1.0E-03	5.2E-09	1.6E-01	3.8E-02	3.1E-11	8.2E+00	1.2E-06
1.9E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.8E-12	7.3E+00	6.0E-07	1.0E-03	4.6E-09	1.6E-01	3.8E-02	2.8E-11	7.3E+00	1.2E-06
1.9E-07	1.0E-03	1.0E-09	1.6E-01	3.8E-02	6.2E-12	6.5E+00	6.0E-07	1.0E-03	4.1E-09	1.6E-01	3.8E-02	2.4E-11	6.5E+00	1.2E-06
1.9E-07	1.0E-03	9.4E-10	1.6E-01	3.8E-02	5.7E-12	5.8E+00	6.0E-07	1.0E-03	3.6E-09	1.6E-01	3.8E-02	2.2E-11	5.8E+00	1.2E-06
1.9E-07	1.0E-03	4.2E-09	1.6E-01	3.8E-02	2.6E-11	1.9E+01	6.0E-07	1.0E-03	1.2E-08	1.6E-01	3.8E-02	7.2E-11	1.9E+01	1.2E-06
1.9E-07	1.0E-03	5.7E-09	1.6E-01	3.8E-02	3.5E-11	2.7E+01	6.0E-07	1.0E-03	1.7E-08	1.6E-01	3.8E-02	1.0E-10	2.7E+01	1.2E-06
1.9E-07	1.0E-03	8.0E-09	1.6E-01	3.8E-02	4.8E-11	4.1E+01	6.0E-07	1.0E-03	2.6E-08	1.6E-01	3.8E-02	1.6E-10	4.1E+01	1.2E-06
1.9E-07	1.0E-03	1.1E-08	1.6E-01	3.8E-02	6.9E-11	1.3E+01	6.0E-07	1.0E-03	8.2E-09	1.6E-01	3.8E-02	5.0E-11	1.3E+01	1.2E-06
1.9E-07	1.0E-03	4.5E-09	1.6E-01	3.8E-02	2.7E-11	2.0E+01	6.0E-07	1.0E-03	1.2E-08	1.6E-01	3.8E-02	7.5E-11	2.0E+01	1.2E-06
1.9E-07	1.0E-03	4.9E-09	1.6E-01	3.8E-02	3.0E-11	3.1E+01	6.0E-07	1.0E-03	2.0E-08	1.6E-01	3.8E-02	1.2E-10	3.1E+01	1.2E-06
1.9E-07	1.0E-03	5.1E-09	1.6E-01	3.8E-02	3.1E-11	0.0E+00	6.0E-07	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	0.0E+00	1.2E-06
1.9E-07	1.0E-03	1.4E-08	1.6E-01	3.8E-02	8.1E-11	0.0E+00	6.0E-07	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	0.0E+00	1.2E-06
1.9E-07	1.0E-03	1.0E-08	1.6E-01	3.8E-02	6.2E-11	0.0E+00	6.0E-07	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	0.0E+00	1.2E-06
1.9E-07	1.0E-03	8.1E-09	1.6E-01	3.8E-02	4.9E-11	5.0E+01	6.0E-07	1.0E-03	3.1E-08	1.6E-01	3.8E-02	1.9E-10	5.0E+01	1.2E-06
1.9E-07	1.0E-03	6.6E-09	1.6E-01	3.8E-02	4.0E-11	3.2E+01	6.0E-07	1.0E-03	2.0E-08	1.6E-01	3.8E-02	1.2E-10	3.2E+01	1.2E-06
1.9E-07	1.0E-03	5.5E-09	1.6E-01	3.8E-02	3.3E-11	2.3E+01	6.0E-07	1.0E-03	1.4E-08	1.6E-01	3.8E-02	8.7E-11	2.3E+01	1.2E-06
1.9E-07	1.0E-03	4.6E-09	1.6E-01	3.8E-02	2.8E-11	6.8E+01	6.0E-07	1.0E-03	4.3E-08	1.6E-01	3.8E-02	2.6E-10	6.8E+01	1.2E-06
1.9E-07	1.0E-03	3.9E-09	1.6E-01	3.8E-02	2.4E-11	4.6E+01	6.0E-07	1.0E-03	2.9E-08	1.6E-01	3.8E-02	1.8E-10	4.6E+01	1.2E-06
1.9E-07	1.0E-03	3.4E-09	1.6E-01	3.8E-02	2.0E-11	3.4E+01	6.0E-07	1.0E-03	2.2E-08	1.6E-01	3.8E-02	1.3E-10	3.4E+01	1.2E-06
1.9E-07	1.0E-03	2.9E-09	1.6E-01	3.8E-02	1.8E-11	2.7E+01	6.0E-07	1.0E-03	1.7E-08	1.6E-01	3.8E-02	1.0E-10	2.7E+01	1.2E-06
1.9E-07	1.0E-03	2.6E-09	1.6E-01	3.8E-02	1.5E-11	2.1E+01	6.0E-07	1.0E-03	1.3E-08	1.6E-01	3.8E-02	8.1E-11	2.1E+01	1.2E-06
1.9E-07	1.0E-03	2.2E-09	1.6E-01	3.8E-02	1.3E-11	1.8E+01	6.0E-07	1.0E-03	1.1E-08	1.6E-01	3.8E-02	6.6E-11	1.8E+01	1.2E-06
1.9E-07	1.0E-03	2.0E-09	1.6E-01	3.8E-02	1.2E-11	1.5E+01	6.0E-07	1.0E-03	9.2E-09	1.6E-01	3.8E-02	5.5E-11	1.5E+01	1.2E-06
1.9E-07	1.0E-03	1.7E-09	1.6E-01	3.8E-02	1.1E-11	1.2E+01	6.0E-07	1.0E-03	7.8E-09	1.6E-01	3.8E-02	4.7E-11	1.2E+01	1.2E-06
1.9E-07	1.0E-03	1.6E-09	1.6E-01	3.8E-02	9.4E-12	1.1E+01	6.0E-07	1.0E-03	6.6E-09	1.6E-01	3.8E-02	4.0E-11	1.1E+01	1.2E-06
1.9E-07	1.0E-03	1.4E-09	1.6E-01	3.8E-02	8.4E-12	9.2E+00	6.0E-07	1.0E-03	5.7E-09	1.6E-01	3.8E-02	3.5E-11	9.2E+00	1.2E-06
1.9E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	7.6E-12	8.0E+00	6.0E-07	1.0E-03	5.0E-09	1.6E-01	3.8E-02	3.0E-11	8.0E+00	1.2E-06
1.9E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.8E-12	7.0E+00	6.0E-07	1.0E-03	4.4E-09	1.6E-01	3.8E-02	2.7E-11	7.0E+00	1.2E-06
1.9E-07	1.0E-03	1.0E-09	1.6E-01	3.8E-02	6.2E-12	6.3E+00	6.0E-07	1.0E-03	3.9E-09	1.6E-01	3.8E-02	2.4E-11	6.3E+00	1.2E-06
1.9E-07	1.0E-03	9.4E-10	1.6E-01	3.8E-02	5.6E-12	5.6E+00	6.0E-07	1.0E-03	3.5E-09	1.6E-01	3.8E-02	2.1E-11	5.6E+00	1.2E-06
1.9E-07	1.0E-03	5.0E-09	1.6E-01	3.8E-02	3.0E-11	1.9E+01	6.0E-07	1.0E-03	1.2E-08	1.6E-01	3.8E-02	7.2E-11	1.9E+01	1.2E-06
1.9E-07	1.0E-03	7.1E-09	1.6E-01	3.8E-02	4.3E-11	2.7E+01	6.0E-07	1.0E-03	1.7E-08	1.6E-01	3.8E-02	1.0E-10	2.7E+01	1.2E-06
1.9E-07	1.0E-03	1.1E-08	1.6E-01	3.8E-02	6.3E-11	4.2E+01	6.0E-07	1.0E-03	2.6E-08	1.6E-01	3.8E-02	1.6E-10	4.2E+01	1.2E-06
1.9E-07	1.0E-03	5.5E-09	1.6E-01	3.8E-02	3.3E-11	1.3E+01	6.0E-07	1.0E-03	8.3E-09	1.6E-01	3.8E-02	5.0E-11	1.3E+01	1.2E-06
1.9E-07	1.0E-03	6.8E-09	1.6E-01	3.8E-02	4.1E-11	2.0E+01	6.0E-07	1.0E-03	1.2E-08	1.6E-01	3.8E-02	7.5E-11	2.0E+01	1.2E-06
1.9E-07	1.0E-03	2.6E-09	1.6E-01	3.8E-02	1.6E-11	2.1E+01	6.0E-07	1.0E-03	1.3E-08	1.6E-01	3.8E-02	7.8E-11	2.1E+01	1.2E-06
1.9E-07	1.0E-03	2.3E-09	1.6E-01	3.8E-02	1.4E-11	1.7E+01	6.0E-07	1.0E-03	1.1E-08	1.6E-01	3.8E-02	6.4E-11	1.7E+01	1.2E-06
1.9E-07	1.0E-03	2.0E-09	1.6E-01	3.8E-02	1.2E-11	1.4E+01	6.0E-07	1.0E-03	8.8E-09	1.6E-01	3.8E-02	5.3E-11	1.4E+01	1.2E-06
1.9E-07	1.0E-03	1.8E-09	1.6E-01	3.8E-02	1.1E-11	1.2E+01	6.0E-07	1.0E-03	7.4E-09	1.6E-01	3.8E-02	4.5E-11	1.2E+01	1.2E-06
1.9E-07	1.0E-03	1.6E-09	1.6E-01	3.8E-02	9.4E-12	1.0E+01	6.0E-07	1.0E-03	6.4E-09	1.6E-01	3.8E-02	3.8E-11	1.0E+01	1.2E-06

1.9E-07	1.0E-03	1.4E-09	1.6E-01	3.8E-02	8.4E-12	8.8E+00	6.0E-07	1.0E-03	5.5E-09	1.6E-01	3.8E-02	3.3E-11	8.8E+00	1.2E-06
1.9E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.5E-12	7.7E+00	6.0E-07	1.0E-03	4.8E-09	1.6E-01	3.8E-02	2.9E-11	7.7E+00	1.2E-06
1.9E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.8E-12	6.8E+00	6.0E-07	1.0E-03	4.2E-09	1.6E-01	3.8E-02	2.6E-11	6.8E+00	1.2E-06
1.9E-07	1.0E-03	1.0E-09	1.6E-01	3.8E-02	6.1E-12	6.0E+00	6.0E-07	1.0E-03	3.8E-09	1.6E-01	3.8E-02	2.3E-11	6.0E+00	1.2E-06
1.9E-07	1.0E-03	9.2E-10	1.6E-01	3.8E-02	5.6E-12	5.4E+00	6.0E-07	1.0E-03	3.4E-09	1.6E-01	3.8E-02	2.0E-11	5.4E+00	1.2E-06
1.9E-07	1.0E-03	5.7E-09	1.6E-01	3.8E-02	3.4E-11	1.8E+01	6.0E-07	1.0E-03	1.1E-08	1.6E-01	3.8E-02	6.9E-11	1.8E+01	1.2E-06
1.9E-07	1.0E-03	8.3E-09	1.6E-01	3.8E-02	5.0E-11	2.6E+01	6.0E-07	1.0E-03	1.6E-08	1.6E-01	3.8E-02	9.6E-11	2.6E+01	1.2E-06
1.9E-07	1.0E-03	1.3E-08	1.6E-01	3.8E-02	7.7E-11	3.8E+01	6.0E-07	1.0E-03	2.4E-08	1.6E-01	3.8E-02	1.4E-10	3.8E+01	1.2E-06
1.9E-07	1.0E-03	8.4E-09	1.6E-01	3.8E-02	5.0E-11	1.2E+01	6.0E-07	1.0E-03	7.8E-09	1.6E-01	3.8E-02	4.7E-11	1.2E+01	1.2E-06
1.9E-07	1.0E-03	1.1E-08	1.6E-01	3.8E-02	6.8E-11	1.8E+01	6.0E-07	1.0E-03	1.2E-08	1.6E-01	3.8E-02	7.0E-11	1.8E+01	1.2E-06
1.9E-07	1.0E-03	2.6E-09	1.6E-01	3.8E-02	1.6E-11	1.9E+01	6.0E-07	1.0E-03	1.2E-08	1.6E-01	3.8E-02	7.2E-11	1.9E+01	1.2E-06
1.9E-07	1.0E-03	2.3E-09	1.6E-01	3.8E-02	1.4E-11	1.6E+01	6.0E-07	1.0E-03	9.9E-09	1.6E-01	3.8E-02	5.9E-11	1.6E+01	1.2E-06
1.9E-07	1.0E-03	2.0E-09	1.6E-01	3.8E-02	1.2E-11	1.3E+01	6.0E-07	1.0E-03	8.3E-09	1.6E-01	3.8E-02	5.0E-11	1.3E+01	1.2E-06
1.9E-07	1.0E-03	1.7E-09	1.6E-01	3.8E-02	1.0E-11	1.1E+01	6.0E-07	1.0E-03	7.0E-09	1.6E-01	3.8E-02	4.2E-11	1.1E+01	1.2E-06
1.9E-07	1.0E-03	1.5E-09	1.6E-01	3.8E-02	9.3E-12	9.6E+00	6.0E-07	1.0E-03	6.0E-09	1.6E-01	3.8E-02	3.6E-11	9.6E+00	1.2E-06
1.9E-07	1.0E-03	1.4E-09	1.6E-01	3.8E-02	8.2E-12	8.3E+00	6.0E-07	1.0E-03	5.2E-09	1.6E-01	3.8E-02	3.1E-11	8.3E+00	1.2E-06
1.9E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.4E-12	7.3E+00	6.0E-07	1.0E-03	4.6E-09	1.6E-01	3.8E-02	2.8E-11	7.3E+00	1.2E-06
1.9E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.6E-12	6.4E+00	6.0E-07	1.0E-03	4.0E-09	1.6E-01	3.8E-02	2.4E-11	6.4E+00	1.2E-06
1.9E-07	1.0E-03	9.9E-10	1.6E-01	3.8E-02	6.0E-12	5.7E+00	6.0E-07	1.0E-03	3.6E-09	1.6E-01	3.8E-02	2.2E-11	5.7E+00	1.2E-06
1.9E-07	1.0E-03	9.0E-10	1.6E-01	3.8E-02	5.4E-12	5.1E+00	6.0E-07	1.0E-03	3.2E-09	1.6E-01	3.8E-02	1.9E-11	5.1E+00	1.2E-06
1.9E-07	1.0E-03	6.2E-09	1.6E-01	3.8E-02	3.7E-11	1.6E+01	6.0E-07	1.0E-03	1.0E-08	1.6E-01	3.8E-02	6.2E-11	1.6E+01	1.2E-06
1.9E-07	1.0E-03	9.0E-09	1.6E-01	3.8E-02	5.4E-11	2.2E+01	6.0E-07	1.0E-03	1.4E-08	1.6E-01	3.8E-02	8.4E-11	2.2E+01	1.2E-06
1.9E-07	1.0E-03	1.4E-08	1.6E-01	3.8E-02	8.5E-11	3.1E+01	6.0E-07	1.0E-03	1.9E-08	1.6E-01	3.8E-02	1.2E-10	3.1E+01	1.2E-06
1.9E-07	1.0E-03	3.3E-09	1.6E-01	3.8E-02	2.0E-11	4.5E+01	6.0E-07	1.0E-03	2.8E-08	1.6E-01	3.8E-02	1.7E-10	4.5E+01	1.2E-06
1.9E-07	1.0E-03	4.0E-09	1.6E-01	3.8E-02	2.4E-11	1.5E+01	6.0E-07	1.0E-03	9.6E-09	1.6E-01	3.8E-02	5.8E-11	1.5E+01	1.2E-06
1.9E-07	1.0E-03	2.6E-09	1.6E-01	3.8E-02	1.6E-11	1.7E+01	6.0E-07	1.0E-03	1.1E-08	1.6E-01	3.8E-02	6.5E-11	1.7E+01	1.2E-06
1.9E-07	1.0E-03	2.2E-09	1.6E-01	3.8E-02	1.4E-11	1.4E+01	6.0E-07	1.0E-03	9.0E-09	1.6E-01	3.8E-02	5.4E-11	1.4E+01	1.2E-06
1.9E-07	1.0E-03	2.0E-09	1.6E-01	3.8E-02	1.2E-11	1.2E+01	6.0E-07	1.0E-03	7.6E-09	1.6E-01	3.8E-02	4.6E-11	1.2E+01	1.2E-06
1.9E-07	1.0E-03	1.7E-09	1.6E-01	3.8E-02	1.0E-11	1.0E+01	6.0E-07	1.0E-03	6.5E-09	1.6E-01	3.8E-02	3.9E-11	1.0E+01	1.2E-06
1.9E-07	1.0E-03	1.5E-09	1.6E-01	3.8E-02	9.1E-12	9.0E+00	6.0E-07	1.0E-03	5.6E-09	1.6E-01	3.8E-02	3.4E-11	9.0E+00	1.2E-06
1.9E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	8.1E-12	7.8E+00	6.0E-07	1.0E-03	4.9E-09	1.6E-01	3.8E-02	3.0E-11	7.8E+00	1.2E-06
1.9E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.2E-12	6.9E+00	6.0E-07	1.0E-03	4.3E-09	1.6E-01	3.8E-02	2.6E-11	6.9E+00	1.2E-06
1.9E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.4E-12	6.1E+00	6.0E-07	1.0E-03	3.8E-09	1.6E-01	3.8E-02	2.3E-11	6.1E+00	1.2E-06
1.9E-07	1.0E-03	9.6E-10	1.6E-01	3.8E-02	5.8E-12	5.4E+00	6.0E-07	1.0E-03	3.4E-09	1.6E-01	3.8E-02	2.0E-11	5.4E+00	1.2E-06
1.9E-07	1.0E-03	8.8E-10	1.6E-01	3.8E-02	5.3E-12	4.9E+00	6.0E-07	1.0E-03	3.0E-09	1.6E-01	3.8E-02	1.8E-11	4.9E+00	1.2E-06
1.9E-07	1.0E-03	6.4E-09	1.6E-01	3.8E-02	3.8E-11	1.5E+01	6.0E-07	1.0E-03	9.1E-09	1.6E-01	3.8E-02	5.5E-11	1.5E+01	1.2E-06
1.9E-07	1.0E-03	9.4E-09	1.6E-01	3.8E-02	5.7E-11	1.9E+01	6.0E-07	1.0E-03	1.2E-08	1.6E-01	3.8E-02	7.1E-11	1.9E+01	1.2E-06
1.9E-07	1.0E-03	1.5E-08	1.6E-01	3.8E-02	8.9E-11	2.5E+01	6.0E-07	1.0E-03	1.6E-08	1.6E-01	3.8E-02	9.3E-11	2.5E+01	1.2E-06
1.9E-07	1.0E-03	1.2E-08	1.6E-01	3.8E-02	7.5E-11	3.3E+01	6.0E-07	1.0E-03	2.1E-08	1.6E-01	3.8E-02	1.2E-10	3.3E+01	1.2E-06
1.9E-07	1.0E-03	6.7E-09	1.6E-01	3.8E-02	4.0E-11	4.4E+01	6.0E-07	1.0E-03	2.7E-08	1.6E-01	3.8E-02	1.7E-10	4.4E+01	1.2E-06
1.9E-07	1.0E-03	2.5E-09	1.6E-01	3.8E-02	1.5E-11	1.5E+01	6.0E-07	1.0E-03	9.6E-09	1.6E-01	3.8E-02	5.8E-11	1.5E+01	1.2E-06
1.9E-07	1.0E-03	2.2E-09	1.6E-01	3.8E-02	1.3E-11	1.3E+01	6.0E-07	1.0E-03	8.1E-09	1.6E-01	3.8E-02	4.9E-11	1.3E+01	1.2E-06
1.9E-07	1.0E-03	1.9E-09	1.6E-01	3.8E-02	1.1E-11	1.1E+01	6.0E-07	1.0E-03	7.0E-09	1.6E-01	3.8E-02	4.2E-11	1.1E+01	1.2E-06
1.9E-07	1.0E-03	1.7E-09	1.6E-01	3.8E-02	1.0E-11	9.6E+00	6.0E-07	1.0E-03	6.0E-09	1.6E-01	3.8E-02	3.6E-11	9.6E+00	1.2E-06
1.9E-07	1.0E-03	1.5E-09	1.6E-01	3.8E-02	8.8E-12	8.3E+00	6.0E-07	1.0E-03	5.2E-09	1.6E-01	3.8E-02	3.1E-11	8.3E+00	1.2E-06
1.9E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	7.8E-12	7.3E+00	6.0E-07	1.0E-03	4.6E-09	1.6E-01	3.8E-02	2.8E-11	7.3E+00	1.2E-06
1.9E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.0E-12	6.4E+00	6.0E-07	1.0E-03	4.0E-09	1.6E-01	3.8E-02	2.4E-11	6.4E+00	1.2E-06
1.9E-07	1.0E-03	1.0E-09	1.6E-01	3.8E-02	6.2E-12	5.7E+00	6.0E-07	1.0E-03	3.6E-09	1.6E-01	3.8E-02	2.2E-11	5.7E+00	1.2E-06
1.9E-07	1.0E-03	9.3E-10	1.6E-01	3.8E-02	5.6E-12	5.1E+00	6.0E-07	1.0E-03	3.2E-09	1.6E-01	3.8E-02	1.9E-11	5.1E+00	1.2E-06

1.9E-07	1.0E-03	8.5E-10	1.6E-01	3.8E-02	5.1E-12	4.6E+00	6.0E-07	1.0E-03	2.9E-09	1.6E-01	3.8E-02	1.7E-11	4.6E+00	1.2E-06
1.9E-07	1.0E-03	6.3E-09	1.6E-01	3.8E-02	3.8E-11	1.3E+01	6.0E-07	1.0E-03	7.9E-09	1.6E-01	3.8E-02	4.7E-11	1.3E+01	1.2E-06
1.9E-07	1.0E-03	9.4E-09	1.6E-01	3.8E-02	5.6E-11	1.6E+01	6.0E-07	1.0E-03	9.8E-09	1.6E-01	3.8E-02	5.9E-11	1.6E+01	1.2E-06
1.9E-07	1.0E-03	1.5E-08	1.6E-01	3.8E-02	8.9E-11	2.0E+01	6.0E-07	1.0E-03	1.2E-08	1.6E-01	3.8E-02	7.4E-11	2.0E+01	1.2E-06
1.9E-07	1.0E-03	1.2E-08	1.6E-01	3.8E-02	7.5E-11	2.4E+01	6.0E-07	1.0E-03	1.5E-08	1.6E-01	3.8E-02	9.2E-11	2.4E+01	1.2E-06
1.9E-07	1.0E-03	5.9E-09	1.6E-01	3.8E-02	3.6E-11	3.0E+01	6.0E-07	1.0E-03	1.9E-08	1.6E-01	3.8E-02	1.2E-10	3.0E+01	1.2E-06
1.9E-07	1.0E-03	2.4E-09	1.6E-01	3.8E-02	1.5E-11	1.3E+01	6.0E-07	1.0E-03	8.4E-09	1.6E-01	3.8E-02	5.1E-11	1.3E+01	1.2E-06
1.9E-07	1.0E-03	2.1E-09	1.6E-01	3.8E-02	1.3E-11	1.2E+01	6.0E-07	1.0E-03	7.3E-09	1.6E-01	3.8E-02	4.4E-11	1.2E+01	1.2E-06
1.9E-07	1.0E-03	1.8E-09	1.6E-01	3.8E-02	1.1E-11	1.0E+01	6.0E-07	1.0E-03	6.3E-09	1.6E-01	3.8E-02	3.8E-11	1.0E+01	1.2E-06
1.9E-07	1.0E-03	1.6E-09	1.6E-01	3.8E-02	9.6E-12	8.7E+00	6.0E-07	1.0E-03	5.5E-09	1.6E-01	3.8E-02	3.3E-11	8.7E+00	1.2E-06
1.9E-07	1.0E-03	1.4E-09	1.6E-01	3.8E-02	8.4E-12	7.7E+00	6.0E-07	1.0E-03	4.8E-09	1.6E-01	3.8E-02	2.9E-11	7.7E+00	1.2E-06
1.9E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.5E-12	6.8E+00	6.0E-07	1.0E-03	4.2E-09	1.6E-01	3.8E-02	2.6E-11	6.8E+00	1.2E-06
1.9E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.7E-12	6.0E+00	6.0E-07	1.0E-03	3.8E-09	1.6E-01	3.8E-02	2.3E-11	6.0E+00	1.2E-06
1.9E-07	1.0E-03	9.9E-10	1.6E-01	3.8E-02	6.0E-12	5.3E+00	6.0E-07	1.0E-03	3.4E-09	1.6E-01	3.8E-02	2.0E-11	5.3E+00	1.2E-06
1.9E-07	1.0E-03	9.0E-10	1.6E-01	3.8E-02	5.4E-12	4.8E+00	6.0E-07	1.0E-03	3.0E-09	1.6E-01	3.8E-02	1.8E-11	4.8E+00	1.2E-06
1.9E-07	1.0E-03	8.1E-10	1.6E-01	3.8E-02	4.9E-12	4.3E+00	6.0E-07	1.0E-03	2.7E-09	1.6E-01	3.8E-02	1.6E-11	4.3E+00	1.2E-06
1.9E-07	1.0E-03	6.0E-09	1.6E-01	3.8E-02	3.6E-11	1.1E+01	6.0E-07	1.0E-03	6.7E-09	1.6E-01	3.8E-02	4.0E-11	1.1E+01	1.2E-06
1.9E-07	1.0E-03	8.9E-09	1.6E-01	3.8E-02	5.3E-11	1.3E+01	6.0E-07	1.0E-03	8.1E-09	1.6E-01	3.8E-02	4.9E-11	1.3E+01	1.2E-06
1.9E-07	1.0E-03	1.4E-08	1.6E-01	3.8E-02	8.3E-11	1.6E+01	6.0E-07	1.0E-03	9.9E-09	1.6E-01	3.8E-02	5.9E-11	1.6E+01	1.2E-06
1.9E-07	1.0E-03	3.0E-09	1.6E-01	3.8E-02	1.8E-11	1.9E+01	6.0E-07	1.0E-03	1.2E-08	1.6E-01	3.8E-02	7.1E-11	1.9E+01	1.2E-06
1.9E-07	1.0E-03	3.5E-09	1.6E-01	3.8E-02	2.1E-11	2.2E+01	6.0E-07	1.0E-03	1.4E-08	1.6E-01	3.8E-02	8.5E-11	2.2E+01	1.2E-06
1.9E-07	1.0E-03	2.3E-09	1.6E-01	3.8E-02	1.4E-11	1.2E+01	6.0E-07	1.0E-03	7.4E-09	1.6E-01	3.8E-02	4.4E-11	1.2E+01	1.2E-06
1.9E-07	1.0E-03	2.0E-09	1.6E-01	3.8E-02	1.2E-11	1.0E+01	6.0E-07	1.0E-03	6.5E-09	1.6E-01	3.8E-02	3.9E-11	1.0E+01	1.2E-06
1.9E-07	1.0E-03	1.7E-09	1.6E-01	3.8E-02	1.0E-11	9.0E+00	6.0E-07	1.0E-03	5.7E-09	1.6E-01	3.8E-02	3.4E-11	9.0E+00	1.2E-06
1.9E-07	1.0E-03	1.5E-09	1.6E-01	3.8E-02	9.1E-12	7.9E+00	6.0E-07	1.0E-03	5.0E-09	1.6E-01	3.8E-02	3.0E-11	7.9E+00	1.2E-06
1.9E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	8.0E-12	7.0E+00	6.0E-07	1.0E-03	4.4E-09	1.6E-01	3.8E-02	2.7E-11	7.0E+00	1.2E-06
1.9E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.1E-12	6.2E+00	6.0E-07	1.0E-03	3.9E-09	1.6E-01	3.8E-02	2.4E-11	6.2E+00	1.2E-06
1.9E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.4E-12	5.6E+00	6.0E-07	1.0E-03	3.5E-09	1.6E-01	3.8E-02	2.1E-11	5.6E+00	1.2E-06
1.9E-07	1.0E-03	9.5E-10	1.6E-01	3.8E-02	5.7E-12	5.0E+00	6.0E-07	1.0E-03	3.1E-09	1.6E-01	3.8E-02	1.9E-11	5.0E+00	1.2E-06
1.9E-07	1.0E-03	8.6E-10	1.6E-01	3.8E-02	5.2E-12	4.5E+00	6.0E-07	1.0E-03	2.8E-09	1.6E-01	3.8E-02	1.7E-11	4.5E+00	1.2E-06
1.9E-07	1.0E-03	7.8E-10	1.6E-01	3.8E-02	4.7E-12	4.1E+00	6.0E-07	1.0E-03	2.6E-09	1.6E-01	3.8E-02	1.5E-11	4.1E+00	1.2E-06
1.9E-07	1.0E-03	5.5E-09	1.6E-01	3.8E-02	3.3E-11	9.1E+00	6.0E-07	1.0E-03	5.7E-09	1.6E-01	3.8E-02	3.4E-11	9.1E+00	1.2E-06
1.9E-07	1.0E-03	7.9E-09	1.6E-01	3.8E-02	4.8E-11	1.1E+01	6.0E-07	1.0E-03	6.7E-09	1.6E-01	3.8E-02	4.0E-11	1.1E+01	1.2E-06
1.9E-07	1.0E-03	1.2E-08	1.6E-01	3.8E-02	7.3E-11	1.3E+01	6.0E-07	1.0E-03	7.9E-09	1.6E-01	3.8E-02	4.8E-11	1.3E+01	1.2E-06
1.9E-07	1.0E-03	7.7E-09	1.6E-01	3.8E-02	4.6E-11	1.5E+01	6.0E-07	1.0E-03	9.3E-09	1.6E-01	3.8E-02	5.6E-11	1.5E+01	1.2E-06
1.9E-07	1.0E-03	1.0E-08	1.6E-01	3.8E-02	6.0E-11	1.7E+01	6.0E-07	1.0E-03	1.1E-08	1.6E-01	3.8E-02	6.5E-11	1.7E+01	1.2E-06
1.9E-07	1.0E-03	2.1E-09	1.6E-01	3.8E-02	1.3E-11	1.0E+01	6.0E-07	1.0E-03	6.5E-09	1.6E-01	3.8E-02	3.9E-11	1.0E+01	1.2E-06
1.9E-07	1.0E-03	1.9E-09	1.6E-01	3.8E-02	1.1E-11	9.1E+00	6.0E-07	1.0E-03	5.7E-09	1.6E-01	3.8E-02	3.5E-11	9.1E+00	1.2E-06
1.9E-07	1.0E-03	1.6E-09	1.6E-01	3.8E-02	9.8E-12	8.1E+00	6.0E-07	1.0E-03	5.1E-09	1.6E-01	3.8E-02	3.1E-11	8.1E+00	1.2E-06
1.9E-07	1.0E-03	1.4E-09	1.6E-01	3.8E-02	8.6E-12	7.2E+00	6.0E-07	1.0E-03	4.5E-09	1.6E-01	3.8E-02	2.7E-11	7.2E+00	1.2E-06
1.9E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	7.6E-12	6.4E+00	6.0E-07	1.0E-03	4.0E-09	1.6E-01	3.8E-02	2.4E-11	6.4E+00	1.2E-06
1.9E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.8E-12	5.8E+00	6.0E-07	1.0E-03	3.6E-09	1.6E-01	3.8E-02	2.2E-11	5.8E+00	1.2E-06
1.9E-07	1.0E-03	1.0E-09	1.6E-01	3.8E-02	6.1E-12	5.2E+00	6.0E-07	1.0E-03	3.3E-09	1.6E-01	3.8E-02	2.0E-11	5.2E+00	1.2E-06
1.9E-07	1.0E-03	9.1E-10	1.6E-01	3.8E-02	5.5E-12	4.7E+00	6.0E-07	1.0E-03	2.9E-09	1.6E-01	3.8E-02	1.8E-11	4.7E+00	1.2E-06
1.9E-07	1.0E-03	8.2E-10	1.6E-01	3.8E-02	5.0E-12	4.2E+00	6.0E-07	1.0E-03	2.7E-09	1.6E-01	3.8E-02	1.6E-11	4.2E+00	1.2E-06
1.9E-07	1.0E-03	7.4E-10	1.6E-01	3.8E-02	4.5E-12	3.9E+00	6.0E-07	1.0E-03	2.4E-09	1.6E-01	3.8E-02	1.5E-11	3.9E+00	1.2E-06
1.9E-07	1.0E-03	4.8E-09	1.6E-01	3.8E-02	2.9E-11	7.8E+00	6.0E-07	1.0E-03	4.9E-09	1.6E-01	3.8E-02	2.9E-11	7.8E+00	1.2E-06
1.9E-07	1.0E-03	6.7E-09	1.6E-01	3.8E-02	4.0E-11	9.0E+00	6.0E-07	1.0E-03	5.6E-09	1.6E-01	3.8E-02	3.4E-11	9.0E+00	1.2E-06
1.9E-07	1.0E-03	9.8E-09	1.6E-01	3.8E-02	5.9E-11	1.0E+01	6.0E-07	1.0E-03	6.5E-09	1.6E-01	3.8E-02	3.9E-11	1.0E+01	1.2E-06

1.9E-07	1.0E-03	5.1E-09	1.6E-01	3.8E-02	3.1E-11	1.2E+01	6.0E-07	1.0E-03	7.5E-09	1.6E-01	3.8E-02	4.5E-11	1.2E+01	1.2E-06
1.9E-07	1.0E-03	6.1E-09	1.6E-01	3.8E-02	3.7E-11	1.4E+01	6.0E-07	1.0E-03	8.6E-09	1.6E-01	3.8E-02	5.2E-11	1.4E+01	1.2E-06
1.9E-07	1.0E-03	2.0E-09	1.6E-01	3.8E-02	1.2E-11	9.1E+00	6.0E-07	1.0E-03	5.7E-09	1.6E-01	3.8E-02	3.4E-11	9.1E+00	1.2E-06
1.9E-07	1.0E-03	1.7E-09	1.6E-01	3.8E-02	1.0E-11	8.1E+00	6.0E-07	1.0E-03	5.1E-09	1.6E-01	3.8E-02	3.1E-11	8.1E+00	1.2E-06
1.9E-07	1.0E-03	1.5E-09	1.6E-01	3.8E-02	9.1E-12	7.3E+00	6.0E-07	1.0E-03	4.6E-09	1.6E-01	3.8E-02	2.8E-11	7.3E+00	1.2E-06
1.9E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	8.1E-12	6.6E+00	6.0E-07	1.0E-03	4.1E-09	1.6E-01	3.8E-02	2.5E-11	6.6E+00	1.2E-06
1.9E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.2E-12	5.9E+00	6.0E-07	1.0E-03	3.7E-09	1.6E-01	3.8E-02	2.2E-11	5.9E+00	1.2E-06
1.9E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.4E-12	5.3E+00	6.0E-07	1.0E-03	3.4E-09	1.6E-01	3.8E-02	2.0E-11	5.3E+00	1.2E-06
1.9E-07	1.0E-03	9.5E-10	1.6E-01	3.8E-02	5.7E-12	4.8E+00	6.0E-07	1.0E-03	3.0E-09	1.6E-01	3.8E-02	1.8E-11	4.8E+00	1.2E-06
1.9E-07	1.0E-03	8.6E-10	1.6E-01	3.8E-02	5.2E-12	4.4E+00	6.0E-07	1.0E-03	2.8E-09	1.6E-01	3.8E-02	1.7E-11	4.4E+00	1.2E-06
1.9E-07	1.0E-03	7.8E-10	1.6E-01	3.8E-02	4.7E-12	4.0E+00	6.0E-07	1.0E-03	2.5E-09	1.6E-01	3.8E-02	1.5E-11	4.0E+00	1.2E-06
1.9E-07	1.0E-03	7.1E-10	1.6E-01	3.8E-02	4.3E-12	3.6E+00	6.0E-07	1.0E-03	2.3E-09	1.6E-01	3.8E-02	1.4E-11	3.6E+00	1.2E-06
1.9E-07	1.0E-03	4.1E-09	1.6E-01	3.8E-02	2.4E-11	6.7E+00	6.0E-07	1.0E-03	4.2E-09	1.6E-01	3.8E-02	2.5E-11	6.7E+00	1.2E-06
1.9E-07	1.0E-03	5.4E-09	1.6E-01	3.8E-02	3.3E-11	7.7E+00	6.0E-07	1.0E-03	4.8E-09	1.6E-01	3.8E-02	2.9E-11	7.7E+00	1.2E-06
1.9E-07	1.0E-03	7.5E-09	1.6E-01	3.8E-02	4.5E-11	8.8E+00	6.0E-07	1.0E-03	5.5E-09	1.6E-01	3.8E-02	3.3E-11	8.8E+00	1.2E-06
1.9E-07	1.0E-03	1.1E-08	1.6E-01	3.8E-02	6.3E-11	1.0E+01	6.0E-07	1.0E-03	6.3E-09	1.6E-01	3.8E-02	3.8E-11	1.0E+01	1.2E-06
1.9E-07	1.0E-03	4.1E-09	1.6E-01	3.8E-02	2.4E-11	1.1E+01	6.0E-07	1.0E-03	7.0E-09	1.6E-01	3.8E-02	4.2E-11	1.1E+01	1.2E-06
1.9E-07	1.0E-03	1.8E-09	1.6E-01	3.8E-02	1.1E-11	8.0E+00	6.0E-07	1.0E-03	5.0E-09	1.6E-01	3.8E-02	3.0E-11	8.0E+00	1.2E-06
1.9E-07	1.0E-03	1.6E-09	1.6E-01	3.8E-02	9.6E-12	7.3E+00	6.0E-07	1.0E-03	4.6E-09	1.6E-01	3.8E-02	2.8E-11	7.3E+00	1.2E-06
1.9E-07	1.0E-03	1.4E-09	1.6E-01	3.8E-02	8.5E-12	6.6E+00	6.0E-07	1.0E-03	4.1E-09	1.6E-01	3.8E-02	2.5E-11	6.6E+00	1.2E-06
1.9E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.5E-12	6.0E+00	6.0E-07	1.0E-03	3.8E-09	1.6E-01	3.8E-02	2.3E-11	6.0E+00	1.2E-06
1.9E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.7E-12	5.4E+00	6.0E-07	1.0E-03	3.4E-09	1.6E-01	3.8E-02	2.1E-11	5.4E+00	1.2E-06
1.9E-07	1.0E-03	1.0E-09	1.6E-01	3.8E-02	6.0E-12	4.9E+00	6.0E-07	1.0E-03	3.1E-09	1.6E-01	3.8E-02	1.9E-11	4.9E+00	1.2E-06
1.9E-07	1.0E-03	9.0E-10	1.6E-01	3.8E-02	5.4E-12	4.5E+00	6.0E-07	1.0E-03	2.8E-09	1.6E-01	3.8E-02	1.7E-11	4.5E+00	1.2E-06
1.9E-07	1.0E-03	8.2E-10	1.6E-01	3.8E-02	4.9E-12	4.1E+00	6.0E-07	1.0E-03	2.6E-09	1.6E-01	3.8E-02	1.6E-11	4.1E+00	1.2E-06
1.9E-07	1.0E-03	7.4E-10	1.6E-01	3.8E-02	4.5E-12	3.8E+00	6.0E-07	1.0E-03	2.4E-09	1.6E-01	3.8E-02	1.4E-11	3.8E+00	1.2E-06
1.9E-07	1.0E-03	6.8E-10	1.6E-01	3.8E-02	4.1E-12	3.4E+00	6.0E-07	1.0E-03	2.2E-09	1.6E-01	3.8E-02	1.3E-11	3.4E+00	1.2E-06
1.9E-07	1.0E-03	3.4E-09	1.6E-01	3.8E-02	2.0E-11	5.9E+00	6.0E-07	1.0E-03	3.7E-09	1.6E-01	3.8E-02	2.2E-11	5.9E+00	1.2E-06
1.9E-07	1.0E-03	4.3E-09	1.6E-01	3.8E-02	2.6E-11	6.6E+00	6.0E-07	1.0E-03	4.1E-09	1.6E-01	3.8E-02	2.5E-11	6.6E+00	1.2E-06
1.9E-07	1.0E-03	5.5E-09	1.6E-01	3.8E-02	3.3E-11	7.4E+00	6.0E-07	1.0E-03	4.6E-09	1.6E-01	3.8E-02	2.8E-11	7.4E+00	1.2E-06
1.9E-07	1.0E-03	7.1E-09	1.6E-01	3.8E-02	4.3E-11	8.3E+00	6.0E-07	1.0E-03	5.2E-09	1.6E-01	3.8E-02	3.1E-11	8.3E+00	1.2E-06
1.9E-07	1.0E-03	8.4E-09	1.6E-01	3.8E-02	5.1E-11	9.2E+00	6.0E-07	1.0E-03	5.8E-09	1.6E-01	3.8E-02	3.5E-11	9.2E+00	1.2E-06
1.9E-07	1.0E-03	1.7E-09	1.6E-01	3.8E-02	1.0E-11	7.1E+00	6.0E-07	1.0E-03	4.5E-09	1.6E-01	3.8E-02	2.7E-11	7.1E+00	1.2E-06
1.9E-07	1.0E-03	1.5E-09	1.6E-01	3.8E-02	8.8E-12	6.6E+00	6.0E-07	1.0E-03	4.1E-09	1.6E-01	3.8E-02	2.5E-11	6.6E+00	1.2E-06
1.9E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	7.8E-12	6.0E+00	6.0E-07	1.0E-03	3.8E-09	1.6E-01	3.8E-02	2.3E-11	6.0E+00	1.2E-06
1.9E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.0E-12	5.5E+00	6.0E-07	1.0E-03	3.4E-09	1.6E-01	3.8E-02	2.1E-11	5.5E+00	1.2E-06
1.9E-07	1.0E-03	1.0E-09	1.6E-01	3.8E-02	6.3E-12	5.0E+00	6.0E-07	1.0E-03	3.1E-09	1.6E-01	3.8E-02	1.9E-11	5.0E+00	1.2E-06
1.9E-07	1.0E-03	9.4E-10	1.6E-01	3.8E-02	5.7E-12	4.6E+00	6.0E-07	1.0E-03	2.9E-09	1.6E-01	3.8E-02	1.7E-11	4.6E+00	1.2E-06
1.9E-07	1.0E-03	8.5E-10	1.6E-01	3.8E-02	5.1E-12	4.2E+00	6.0E-07	1.0E-03	2.6E-09	1.6E-01	3.8E-02	1.6E-11	4.2E+00	1.2E-06
1.9E-07	1.0E-03	7.7E-10	1.6E-01	3.8E-02	4.7E-12	3.8E+00	6.0E-07	1.0E-03	2.4E-09	1.6E-01	3.8E-02	1.5E-11	3.8E+00	1.2E-06
1.9E-07	1.0E-03	7.0E-10	1.6E-01	3.8E-02	4.2E-12	3.5E+00	6.0E-07	1.0E-03	2.2E-09	1.6E-01	3.8E-02	1.3E-11	3.5E+00	1.2E-06
1.9E-07	1.0E-03	6.4E-10	1.6E-01	3.8E-02	3.9E-12	3.2E+00	6.0E-07	1.0E-03	2.0E-09	1.6E-01	3.8E-02	1.2E-11	3.2E+00	1.2E-06
1.9E-07	1.0E-03	2.8E-09	1.6E-01	3.8E-02	1.7E-11	5.2E+00	6.0E-07	1.0E-03	3.2E-09	1.6E-01	3.8E-02	2.0E-11	5.2E+00	1.2E-06
1.9E-07	1.0E-03	3.4E-09	1.6E-01	3.8E-02	2.0E-11	5.8E+00	6.0E-07	1.0E-03	3.6E-09	1.6E-01	3.8E-02	2.2E-11	5.8E+00	1.2E-06
1.9E-07	1.0E-03	4.2E-09	1.6E-01	3.8E-02	2.5E-11	6.4E+00	6.0E-07	1.0E-03	4.0E-09	1.6E-01	3.8E-02	2.4E-11	6.4E+00	1.2E-06
1.9E-07	1.0E-03	5.0E-09	1.6E-01	3.8E-02	3.0E-11	7.1E+00	6.0E-07	1.0E-03	4.4E-09	1.6E-01	3.8E-02	2.7E-11	7.1E+00	1.2E-06
1.9E-07	1.0E-03	5.6E-09	1.6E-01	3.8E-02	3.4E-11	7.8E+00	6.0E-07	1.0E-03	4.9E-09	1.6E-01	3.8E-02	2.9E-11	7.8E+00	1.2E-06
1.9E-07	1.0E-03	1.5E-09	1.6E-01	3.8E-02	9.1E-12	6.4E+00	6.0E-07	1.0E-03	4.0E-09	1.6E-01	3.8E-02	2.4E-11	6.4E+00	1.2E-06
1.9E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	8.1E-12	5.9E+00	6.0E-07	1.0E-03	3.7E-09	1.6E-01	3.8E-02	2.2E-11	5.9E+00	1.2E-06

1.9E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.2E-12	5.4E+00	6.0E-07	1.0E-03	3.4E-09	1.6E-01	3.8E-02	2.1E-11	5.4E+00	1.2E-06
1.9E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.5E-12	5.0E+00	6.0E-07	1.0E-03	3.1E-09	1.6E-01	3.8E-02	1.9E-11	5.0E+00	1.2E-06
1.9E-07	1.0E-03	9.6E-10	1.6E-01	3.8E-02	5.8E-12	4.6E+00	6.0E-07	1.0E-03	2.9E-09	1.6E-01	3.8E-02	1.7E-11	4.6E+00	1.2E-06
1.9E-07	1.0E-03	8.7E-10	1.6E-01	3.8E-02	5.3E-12	4.2E+00	6.0E-07	1.0E-03	2.6E-09	1.6E-01	3.8E-02	1.6E-11	4.2E+00	1.2E-06
1.9E-07	1.0E-03	7.9E-10	1.6E-01	3.8E-02	4.8E-12	3.9E+00	6.0E-07	1.0E-03	2.4E-09	1.6E-01	3.8E-02	1.5E-11	3.9E+00	1.2E-06
1.9E-07	1.0E-03	7.3E-10	1.6E-01	3.8E-02	4.4E-12	3.6E+00	6.0E-07	1.0E-03	2.3E-09	1.6E-01	3.8E-02	1.4E-11	3.6E+00	1.2E-06
1.9E-07	1.0E-03	6.6E-10	1.6E-01	3.8E-02	4.0E-12	3.3E+00	6.0E-07	1.0E-03	2.1E-09	1.6E-01	3.8E-02	1.3E-11	3.3E+00	1.2E-06
1.9E-07	1.0E-03	6.1E-10	1.6E-01	3.8E-02	3.7E-12	3.0E+00	6.0E-07	1.0E-03	1.9E-09	1.6E-01	3.8E-02	1.2E-11	3.0E+00	1.2E-06
1.9E-07	1.0E-03	2.3E-09	1.6E-01	3.8E-02	1.4E-11	4.6E+00	6.0E-07	1.0E-03	2.9E-09	1.6E-01	3.8E-02	1.7E-11	4.6E+00	1.2E-06
1.9E-07	1.0E-03	2.7E-09	1.6E-01	3.8E-02	1.6E-11	5.1E+00	6.0E-07	1.0E-03	3.2E-09	1.6E-01	3.8E-02	1.9E-11	5.1E+00	1.2E-06
1.9E-07	1.0E-03	3.2E-09	1.6E-01	3.8E-02	1.9E-11	5.6E+00	6.0E-07	1.0E-03	3.5E-09	1.6E-01	3.8E-02	2.1E-11	5.6E+00	1.2E-06
1.9E-07	1.0E-03	3.6E-09	1.6E-01	3.8E-02	2.2E-11	6.1E+00	6.0E-07	1.0E-03	3.8E-09	1.6E-01	3.8E-02	2.3E-11	6.1E+00	1.2E-06
1.9E-07	1.0E-03	4.0E-09	1.6E-01	3.8E-02	2.4E-11	6.6E+00	6.0E-07	1.0E-03	4.1E-09	1.6E-01	3.8E-02	2.5E-11	6.6E+00	1.2E-06
1.9E-07	1.0E-03	1.4E-09	1.6E-01	3.8E-02	8.3E-12	5.7E+00	6.0E-07	1.0E-03	3.6E-09	1.6E-01	3.8E-02	2.2E-11	5.7E+00	1.2E-06
1.9E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.4E-12	5.3E+00	6.0E-07	1.0E-03	3.3E-09	1.6E-01	3.8E-02	2.0E-11	5.3E+00	1.2E-06
1.9E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.6E-12	4.9E+00	6.0E-07	1.0E-03	3.1E-09	1.6E-01	3.8E-02	1.9E-11	4.9E+00	1.2E-06
1.9E-07	1.0E-03	9.9E-10	1.6E-01	3.8E-02	6.0E-12	4.6E+00	6.0E-07	1.0E-03	2.9E-09	1.6E-01	3.8E-02	1.7E-11	4.6E+00	1.2E-06
1.9E-07	1.0E-03	8.9E-10	1.6E-01	3.8E-02	5.3E-12	4.2E+00	6.0E-07	1.0E-03	2.6E-09	1.6E-01	3.8E-02	1.6E-11	4.2E+00	1.2E-06
1.9E-07	1.0E-03	8.0E-10	1.6E-01	3.8E-02	4.8E-12	3.8E+00	6.0E-07	1.0E-03	2.4E-09	1.6E-01	3.8E-02	1.5E-11	3.8E+00	1.2E-06
1.9E-07	1.0E-03	7.3E-10	1.6E-01	3.8E-02	4.4E-12	3.6E+00	6.0E-07	1.0E-03	2.2E-09	1.6E-01	3.8E-02	1.3E-11	3.6E+00	1.2E-06
1.9E-07	1.0E-03	6.7E-10	1.6E-01	3.8E-02	4.1E-12	3.3E+00	6.0E-07	1.0E-03	2.1E-09	1.6E-01	3.8E-02	1.3E-11	3.3E+00	1.2E-06
1.9E-07	1.0E-03	6.2E-10	1.6E-01	3.8E-02	3.7E-12	3.1E+00	6.0E-07	1.0E-03	1.9E-09	1.6E-01	3.8E-02	1.2E-11	3.1E+00	1.2E-06
1.9E-07	1.0E-03	5.7E-10	1.6E-01	3.8E-02	3.4E-12	2.8E+00	6.0E-07	1.0E-03	1.8E-09	1.6E-01	3.8E-02	1.1E-11	2.8E+00	1.2E-06
1.9E-07	1.0E-03	1.9E-09	1.6E-01	3.8E-02	1.2E-11	4.1E+00	6.0E-07	1.0E-03	2.6E-09	1.6E-01	3.8E-02	1.5E-11	4.1E+00	1.2E-06
1.9E-07	1.0E-03	2.2E-09	1.6E-01	3.8E-02	1.3E-11	4.5E+00	6.0E-07	1.0E-03	2.8E-09	1.6E-01	3.8E-02	1.7E-11	4.5E+00	1.2E-06
1.9E-07	1.0E-03	2.5E-09	1.6E-01	3.8E-02	1.5E-11	4.9E+00	6.0E-07	1.0E-03	3.1E-09	1.6E-01	3.8E-02	1.9E-11	4.9E+00	1.2E-06
1.9E-07	1.0E-03	2.8E-09	1.6E-01	3.8E-02	1.7E-11	5.3E+00	6.0E-07	1.0E-03	3.3E-09	1.6E-01	3.8E-02	2.0E-11	5.3E+00	1.2E-06
1.9E-07	1.0E-03	3.0E-09	1.6E-01	3.8E-02	1.8E-11	5.7E+00	6.0E-07	1.0E-03	3.6E-09	1.6E-01	3.8E-02	2.2E-11	5.7E+00	1.2E-06
1.9E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.8E-12	4.9E+00	6.0E-07	1.0E-03	3.0E-09	1.6E-01	3.8E-02	1.8E-11	4.9E+00	1.2E-06
1.9E-07	1.0E-03	1.0E-09	1.6E-01	3.8E-02	6.2E-12	4.5E+00	6.0E-07	1.0E-03	2.8E-09	1.6E-01	3.8E-02	1.7E-11	4.5E+00	1.2E-06
1.9E-07	1.0E-03	9.2E-10	1.6E-01	3.8E-02	5.5E-12	4.2E+00	6.0E-07	1.0E-03	2.6E-09	1.6E-01	3.8E-02	1.6E-11	4.2E+00	1.2E-06
1.9E-07	1.0E-03	8.1E-10	1.6E-01	3.8E-02	4.9E-12	3.8E+00	6.0E-07	1.0E-03	2.4E-09	1.6E-01	3.8E-02	1.4E-11	3.8E+00	1.2E-06
1.9E-07	1.0E-03	7.3E-10	1.6E-01	3.8E-02	4.4E-12	3.5E+00	6.0E-07	1.0E-03	2.2E-09	1.6E-01	3.8E-02	1.3E-11	3.5E+00	1.2E-06
1.9E-07	1.0E-03	6.7E-10	1.6E-01	3.8E-02	4.0E-12	3.2E+00	6.0E-07	1.0E-03	2.0E-09	1.6E-01	3.8E-02	1.2E-11	3.2E+00	1.2E-06
1.9E-07	1.0E-03	6.2E-10	1.6E-01	3.8E-02	3.7E-12	3.0E+00	6.0E-07	1.0E-03	1.9E-09	1.6E-01	3.8E-02	1.1E-11	3.0E+00	1.2E-06
1.9E-07	1.0E-03	5.7E-10	1.6E-01	3.8E-02	3.4E-12	2.8E+00	6.0E-07	1.0E-03	1.8E-09	1.6E-01	3.8E-02	1.1E-11	2.8E+00	1.2E-06
1.9E-07	1.0E-03	5.3E-10	1.6E-01	3.8E-02	3.2E-12	2.6E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	3.8E-02	1.0E-11	2.6E+00	1.2E-06
1.9E-07	1.0E-03	1.6E-09	1.6E-01	3.8E-02	9.8E-12	3.7E+00	6.0E-07	1.0E-03	2.3E-09	1.6E-01	3.8E-02	1.4E-11	3.7E+00	1.2E-06
1.9E-07	1.0E-03	1.8E-09	1.6E-01	3.8E-02	1.1E-11	4.0E+00	6.0E-07	1.0E-03	2.5E-09	1.6E-01	3.8E-02	1.5E-11	4.0E+00	1.2E-06
1.9E-07	1.0E-03	2.0E-09	1.6E-01	3.8E-02	1.2E-11	4.3E+00	6.0E-07	1.0E-03	2.7E-09	1.6E-01	3.8E-02	1.6E-11	4.3E+00	1.2E-06
1.9E-07	1.0E-03	2.2E-09	1.6E-01	3.8E-02	1.3E-11	4.7E+00	6.0E-07	1.0E-03	2.9E-09	1.6E-01	3.8E-02	1.8E-11	4.7E+00	1.2E-06
1.9E-07	1.0E-03	2.4E-09	1.6E-01	3.8E-02	1.4E-11	5.0E+00	6.0E-07	1.0E-03	3.1E-09	1.6E-01	3.8E-02	1.9E-11	5.0E+00	1.2E-06
1.9E-07	1.0E-03	9.5E-10	1.6E-01	3.8E-02	5.7E-12	4.2E+00	6.0E-07	1.0E-03	2.6E-09	1.6E-01	3.8E-02	1.6E-11	4.2E+00	1.2E-06
1.9E-07	1.0E-03	8.6E-10	1.6E-01	3.8E-02	5.2E-12	3.9E+00	6.0E-07	1.0E-03	2.4E-09	1.6E-01	3.8E-02	1.5E-11	3.9E+00	1.2E-06
1.9E-07	1.0E-03	7.8E-10	1.6E-01	3.8E-02	4.7E-12	3.6E+00	6.0E-07	1.0E-03	2.2E-09	1.6E-01	3.8E-02	1.4E-11	3.6E+00	1.2E-06
1.9E-07	1.0E-03	7.1E-10	1.6E-01	3.8E-02	4.3E-12	3.3E+00	6.0E-07	1.0E-03	2.1E-09	1.6E-01	3.8E-02	1.3E-11	3.3E+00	1.2E-06
1.9E-07	1.0E-03	6.5E-10	1.6E-01	3.8E-02	3.9E-12	3.1E+00	6.0E-07	1.0E-03	1.9E-09	1.6E-01	3.8E-02	1.2E-11	3.1E+00	1.2E-06
1.9E-07	1.0E-03	5.9E-10	1.6E-01	3.8E-02	3.6E-12	2.9E+00	6.0E-07	1.0E-03	1.8E-09	1.6E-01	3.8E-02	1.1E-11	2.9E+00	1.2E-06
1.9E-07	1.0E-03	5.4E-10	1.6E-01	3.8E-02	3.3E-12	2.7E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	3.8E-02	1.0E-11	2.7E+00	1.2E-06

1.9E-07	1.0E-03	5.0E-10	1.6E-01	3.8E-02	3.0E-12	2.5E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	3.8E-02	9.3E-12	2.5E+00	1.2E-06
1.9E-07	1.0E-03	1.4E-09	1.6E-01	3.8E-02	8.4E-12	3.3E+00	6.0E-07	1.0E-03	2.1E-09	1.6E-01	3.8E-02	1.3E-11	3.3E+00	1.2E-06
1.9E-07	1.0E-03	1.5E-09	1.6E-01	3.8E-02	9.3E-12	3.6E+00	6.0E-07	1.0E-03	2.3E-09	1.6E-01	3.8E-02	1.4E-11	3.6E+00	1.2E-06
1.9E-07	1.0E-03	1.7E-09	1.6E-01	3.8E-02	1.0E-11	3.9E+00	6.0E-07	1.0E-03	2.4E-09	1.6E-01	3.8E-02	1.5E-11	3.9E+00	1.2E-06
1.9E-07	1.0E-03	1.8E-09	1.6E-01	3.8E-02	1.1E-11	4.1E+00	6.0E-07	1.0E-03	2.6E-09	1.6E-01	3.8E-02	1.6E-11	4.1E+00	1.2E-06
1.9E-07	1.0E-03	1.9E-09	1.6E-01	3.8E-02	1.2E-11	4.4E+00	6.0E-07	1.0E-03	2.8E-09	1.6E-01	3.8E-02	1.7E-11	4.4E+00	1.2E-06
1.9E-07	1.0E-03	8.1E-10	1.6E-01	3.8E-02	4.9E-12	3.6E+00	6.0E-07	1.0E-03	2.3E-09	1.6E-01	3.8E-02	1.4E-11	3.6E+00	1.2E-06
1.9E-07	1.0E-03	7.5E-10	1.6E-01	3.8E-02	4.5E-12	3.4E+00	6.0E-07	1.0E-03	2.1E-09	1.6E-01	3.8E-02	1.3E-11	3.4E+00	1.2E-06
1.9E-07	1.0E-03	6.9E-10	1.6E-01	3.8E-02	4.2E-12	3.2E+00	6.0E-07	1.0E-03	2.0E-09	1.6E-01	3.8E-02	1.2E-11	3.2E+00	1.2E-06
1.9E-07	1.0E-03	6.3E-10	1.6E-01	3.8E-02	3.8E-12	3.0E+00	6.0E-07	1.0E-03	1.9E-09	1.6E-01	3.8E-02	1.1E-11	3.0E+00	1.2E-06
1.9E-07	1.0E-03	5.8E-10	1.6E-01	3.8E-02	3.5E-12	2.8E+00	6.0E-07	1.0E-03	1.8E-09	1.6E-01	3.8E-02	1.1E-11	2.8E+00	1.2E-06
1.9E-07	1.0E-03	5.3E-10	1.6E-01	3.8E-02	3.2E-12	2.6E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	3.8E-02	9.8E-12	2.6E+00	1.2E-06
1.9E-07	1.0E-03	4.8E-10	1.6E-01	3.8E-02	2.9E-12	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	3.8E-02	9.0E-12	2.4E+00	1.2E-06
1.9E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.2E-12	3.0E+00	6.0E-07	1.0E-03	1.9E-09	1.6E-01	3.8E-02	1.1E-11	3.0E+00	1.2E-06
1.9E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	7.9E-12	3.3E+00	6.0E-07	1.0E-03	2.0E-09	1.6E-01	3.8E-02	1.2E-11	3.3E+00	1.2E-06
1.9E-07	1.0E-03	1.4E-09	1.6E-01	3.8E-02	8.5E-12	3.5E+00	6.0E-07	1.0E-03	2.2E-09	1.6E-01	3.8E-02	1.3E-11	3.5E+00	1.2E-06
1.9E-07	1.0E-03	1.5E-09	1.6E-01	3.8E-02	9.1E-12	3.7E+00	6.0E-07	1.0E-03	2.3E-09	1.6E-01	3.8E-02	1.4E-11	3.7E+00	1.2E-06
1.9E-07	1.0E-03	1.6E-09	1.6E-01	3.8E-02	9.6E-12	3.9E+00	6.0E-07	1.0E-03	2.4E-09	1.6E-01	3.8E-02	1.5E-11	3.9E+00	1.2E-06
1.9E-07	1.0E-03	7.1E-10	1.6E-01	3.8E-02	4.3E-12	3.2E+00	6.0E-07	1.0E-03	2.0E-09	1.6E-01	3.8E-02	1.2E-11	3.2E+00	1.2E-06
1.9E-07	1.0E-03	6.5E-10	1.6E-01	3.8E-02	3.9E-12	3.0E+00	6.0E-07	1.0E-03	1.9E-09	1.6E-01	3.8E-02	1.1E-11	3.0E+00	1.2E-06
1.9E-07	1.0E-03	6.0E-10	1.6E-01	3.8E-02	3.6E-12	2.8E+00	6.0E-07	1.0E-03	1.8E-09	1.6E-01	3.8E-02	1.1E-11	2.8E+00	1.2E-06
1.9E-07	1.0E-03	5.6E-10	1.6E-01	3.8E-02	3.4E-12	2.7E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	3.8E-02	1.0E-11	2.7E+00	1.2E-06
1.9E-07	1.0E-03	5.1E-10	1.6E-01	3.8E-02	3.1E-12	2.5E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	3.8E-02	9.4E-12	2.5E+00	1.2E-06
1.9E-07	1.0E-03	4.7E-10	1.6E-01	3.8E-02	2.8E-12	2.3E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	3.8E-02	8.7E-12	2.3E+00	1.2E-06
1.9E-07	1.0E-03	1.0E-09	1.6E-01	3.8E-02	6.3E-12	2.7E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	3.8E-02	1.0E-11	2.7E+00	1.2E-06
1.9E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.8E-12	2.9E+00	6.0E-07	1.0E-03	1.8E-09	1.6E-01	3.8E-02	1.1E-11	2.9E+00	1.2E-06
1.9E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.3E-12	3.1E+00	6.0E-07	1.0E-03	2.0E-09	1.6E-01	3.8E-02	1.2E-11	3.1E+00	1.2E-06
1.9E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	7.7E-12	3.3E+00	6.0E-07	1.0E-03	2.1E-09	1.6E-01	3.8E-02	1.3E-11	3.3E+00	1.2E-06
1.9E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	8.1E-12	3.5E+00	6.0E-07	1.0E-03	2.2E-09	1.6E-01	3.8E-02	1.3E-11	3.5E+00	1.2E-06
1.9E-07	1.0E-03	6.6E-10	1.6E-01	3.8E-02	4.0E-12	3.0E+00	6.0E-07	1.0E-03	1.9E-09	1.6E-01	3.8E-02	1.1E-11	3.0E+00	1.2E-06
1.9E-07	1.0E-03	6.2E-10	1.6E-01	3.8E-02	3.7E-12	2.8E+00	6.0E-07	1.0E-03	1.8E-09	1.6E-01	3.8E-02	1.1E-11	2.8E+00	1.2E-06
1.9E-07	1.0E-03	5.7E-10	1.6E-01	3.8E-02	3.4E-12	2.7E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	3.8E-02	1.0E-11	2.7E+00	1.2E-06
1.9E-07	1.0E-03	5.3E-10	1.6E-01	3.8E-02	3.2E-12	2.5E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	3.8E-02	9.5E-12	2.5E+00	1.2E-06
1.9E-07	1.0E-03	4.9E-10	1.6E-01	3.8E-02	3.0E-12	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	3.8E-02	8.9E-12	2.4E+00	1.2E-06
1.9E-07	1.0E-03	4.5E-10	1.6E-01	3.8E-02	2.7E-12	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	3.8E-02	8.3E-12	2.2E+00	1.2E-06
1.9E-07	1.0E-03	9.1E-10	1.6E-01	3.8E-02	5.5E-12	2.5E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	3.8E-02	9.5E-12	2.5E+00	1.2E-06
1.9E-07	1.0E-03	9.8E-10	1.6E-01	3.8E-02	5.9E-12	2.7E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	3.8E-02	1.0E-11	2.7E+00	1.2E-06
1.9E-07	1.0E-03	1.0E-09	1.6E-01	3.8E-02	6.3E-12	2.8E+00	6.0E-07	1.0E-03	1.8E-09	1.6E-01	3.8E-02	1.1E-11	2.8E+00	1.2E-06
1.9E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.7E-12	3.0E+00	6.0E-07	1.0E-03	1.9E-09	1.6E-01	3.8E-02	1.1E-11	3.0E+00	1.2E-06
1.9E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	6.9E-12	3.1E+00	6.0E-07	1.0E-03	2.0E-09	1.6E-01	3.8E-02	1.2E-11	3.1E+00	1.2E-06
1.9E-07	1.0E-03	6.2E-10	1.6E-01	3.8E-02	3.8E-12	2.8E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	3.8E-02	1.1E-11	2.8E+00	1.2E-06
1.9E-07	1.0E-03	5.8E-10	1.6E-01	3.8E-02	3.5E-12	2.6E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	3.8E-02	1.0E-11	2.6E+00	1.2E-06
1.9E-07	1.0E-03	5.4E-10	1.6E-01	3.8E-02	3.3E-12	2.5E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	3.8E-02	9.5E-12	2.5E+00	1.2E-06
1.9E-07	1.0E-03	5.0E-10	1.6E-01	3.8E-02	3.0E-12	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	3.8E-02	9.0E-12	2.4E+00	1.2E-06
1.9E-07	1.0E-03	4.7E-10	1.6E-01	3.8E-02	2.8E-12	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	3.8E-02	8.5E-12	2.2E+00	1.2E-06
1.9E-07	1.0E-03	4.4E-10	1.6E-01	3.8E-02	2.6E-12	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	8.0E-12	2.1E+00	1.2E-06
1.9E-07	1.0E-03	8.1E-10	1.6E-01	3.8E-02	4.9E-12	2.3E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	3.8E-02	8.7E-12	2.3E+00	1.2E-06
1.9E-07	1.0E-03	8.6E-10	1.6E-01	3.8E-02	5.2E-12	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	3.8E-02	9.2E-12	2.4E+00	1.2E-06
1.9E-07	1.0E-03	9.1E-10	1.6E-01	3.8E-02	5.5E-12	2.6E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	3.8E-02	9.8E-12	2.6E+00	1.2E-06

1.9E-07	1.0E-03	9.6E-10	1.6E-01	3.8E-02	5.8E-12	2.7E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	3.8E-02	1.0E-11	2.7E+00	1.2E-06
1.9E-07	1.0E-03	1.0E-09	1.6E-01	3.8E-02	6.0E-12	2.8E+00	6.0E-07	1.0E-03	1.8E-09	1.6E-01	3.8E-02	1.1E-11	2.8E+00	1.2E-06
1.9E-07	1.0E-03	5.9E-10	1.6E-01	3.8E-02	3.5E-12	2.6E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	3.8E-02	9.8E-12	2.6E+00	1.2E-06
1.9E-07	1.0E-03	5.5E-10	1.6E-01	3.8E-02	3.3E-12	2.5E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	3.8E-02	9.4E-12	2.5E+00	1.2E-06
1.9E-07	1.0E-03	5.1E-10	1.6E-01	3.8E-02	3.1E-12	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	3.8E-02	8.9E-12	2.4E+00	1.2E-06
1.9E-07	1.0E-03	4.8E-10	1.6E-01	3.8E-02	2.9E-12	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	3.8E-02	8.5E-12	2.2E+00	1.2E-06
1.9E-07	1.0E-03	4.5E-10	1.6E-01	3.8E-02	2.7E-12	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	8.1E-12	2.1E+00	1.2E-06
1.9E-07	1.0E-03	4.2E-10	1.6E-01	3.8E-02	2.5E-12	2.0E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	7.6E-12	2.0E+00	1.2E-06
1.9E-07	1.0E-03	7.2E-10	1.6E-01	3.8E-02	4.3E-12	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	8.0E-12	2.1E+00	1.2E-06
1.9E-07	1.0E-03	7.6E-10	1.6E-01	3.8E-02	4.6E-12	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	3.8E-02	8.5E-12	2.2E+00	1.2E-06
1.9E-07	1.0E-03	8.1E-10	1.6E-01	3.8E-02	4.9E-12	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	3.8E-02	8.9E-12	2.4E+00	1.2E-06
1.9E-07	1.0E-03	8.5E-10	1.6E-01	3.8E-02	5.1E-12	2.5E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	3.8E-02	9.4E-12	2.5E+00	1.2E-06
1.9E-07	1.0E-03	8.8E-10	1.6E-01	3.8E-02	5.3E-12	2.6E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	3.8E-02	9.8E-12	2.6E+00	1.2E-06
1.9E-07	1.0E-03	5.5E-10	1.6E-01	3.8E-02	3.3E-12	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	3.8E-02	9.2E-12	2.4E+00	1.2E-06
1.9E-07	1.0E-03	5.2E-10	1.6E-01	3.8E-02	3.1E-12	2.3E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	3.8E-02	8.8E-12	2.3E+00	1.2E-06
1.9E-07	1.0E-03	4.9E-10	1.6E-01	3.8E-02	2.9E-12	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	3.8E-02	8.4E-12	2.2E+00	1.2E-06
1.9E-07	1.0E-03	4.6E-10	1.6E-01	3.8E-02	2.8E-12	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	8.0E-12	2.1E+00	1.2E-06
1.9E-07	1.0E-03	4.3E-10	1.6E-01	3.8E-02	2.6E-12	2.0E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	7.7E-12	2.0E+00	1.2E-06
1.9E-07	1.0E-03	4.0E-10	1.6E-01	3.8E-02	2.4E-12	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.3E-12	1.9E+00	1.2E-06
1.9E-07	1.0E-03	6.4E-10	1.6E-01	3.8E-02	3.9E-12	2.0E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.4E-12	2.0E+00	1.2E-06
1.9E-07	1.0E-03	6.8E-10	1.6E-01	3.8E-02	4.1E-12	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	7.8E-12	2.1E+00	1.2E-06
1.9E-07	1.0E-03	7.2E-10	1.6E-01	3.8E-02	4.3E-12	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	3.8E-02	8.2E-12	2.2E+00	1.2E-06
1.9E-07	1.0E-03	7.5E-10	1.6E-01	3.8E-02	4.5E-12	2.3E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	3.8E-02	8.6E-12	2.3E+00	1.2E-06
1.9E-07	1.0E-03	7.8E-10	1.6E-01	3.8E-02	4.7E-12	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	3.8E-02	8.9E-12	2.4E+00	1.2E-06
1.9E-07	1.0E-03	8.0E-10	1.6E-01	3.8E-02	4.8E-12	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	3.8E-02	9.2E-12	2.4E+00	1.2E-06
1.9E-07	1.0E-03	8.1E-10	1.6E-01	3.8E-02	4.9E-12	2.5E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	3.8E-02	9.5E-12	2.5E+00	1.2E-06
1.9E-07	1.0E-03	8.2E-10	1.6E-01	3.8E-02	5.0E-12	2.6E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	3.8E-02	9.8E-12	2.6E+00	1.2E-06
1.9E-07	1.0E-03	8.2E-10	1.6E-01	3.8E-02	5.0E-12	2.6E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	3.8E-02	1.0E-11	2.6E+00	1.2E-06
1.9E-07	1.0E-03	8.2E-10	1.6E-01	3.8E-02	4.9E-12	2.7E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	3.8E-02	1.0E-11	2.7E+00	1.2E-06
1.9E-07	1.0E-03	8.0E-10	1.6E-01	3.8E-02	4.8E-12	2.7E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	3.8E-02	1.0E-11	2.7E+00	1.2E-06
1.9E-07	1.0E-03	7.8E-10	1.6E-01	3.8E-02	4.7E-12	2.7E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	3.8E-02	1.0E-11	2.7E+00	1.2E-06
1.9E-07	1.0E-03	7.6E-10	1.6E-01	3.8E-02	4.6E-12	2.7E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	3.8E-02	1.0E-11	2.7E+00	1.2E-06
1.9E-07	1.0E-03	7.4E-10	1.6E-01	3.8E-02	4.4E-12	2.7E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	3.8E-02	1.0E-11	2.7E+00	1.2E-06
1.9E-07	1.0E-03	7.1E-10	1.6E-01	3.8E-02	4.3E-12	2.7E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	3.8E-02	1.0E-11	2.7E+00	1.2E-06
1.9E-07	1.0E-03	6.8E-10	1.6E-01	3.8E-02	4.1E-12	2.6E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	3.8E-02	9.9E-12	2.6E+00	1.2E-06
1.9E-07	1.0E-03	6.5E-10	1.6E-01	3.8E-02	3.9E-12	2.6E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	3.8E-02	9.7E-12	2.6E+00	1.2E-06
1.9E-07	1.0E-03	6.1E-10	1.6E-01	3.8E-02	3.7E-12	2.5E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	3.8E-02	9.4E-12	2.5E+00	1.2E-06
1.9E-07	1.0E-03	5.8E-10	1.6E-01	3.8E-02	3.5E-12	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	3.8E-02	9.2E-12	2.4E+00	1.2E-06
1.9E-07	1.0E-03	5.5E-10	1.6E-01	3.8E-02	3.3E-12	2.3E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	3.8E-02	8.9E-12	2.3E+00	1.2E-06
1.9E-07	1.0E-03	5.2E-10	1.6E-01	3.8E-02	3.1E-12	2.3E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	3.8E-02	8.6E-12	2.3E+00	1.2E-06
1.9E-07	1.0E-03	4.9E-10	1.6E-01	3.8E-02	3.0E-12	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	3.8E-02	8.3E-12	2.2E+00	1.2E-06
1.9E-07	1.0E-03	4.6E-10	1.6E-01	3.8E-02	2.8E-12	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	7.9E-12	2.1E+00	1.2E-06
1.9E-07	1.0E-03	4.4E-10	1.6E-01	3.8E-02	2.6E-12	2.0E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	7.6E-12	2.0E+00	1.2E-06
1.9E-07	1.0E-03	4.1E-10	1.6E-01	3.8E-02	2.5E-12	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.3E-12	1.9E+00	1.2E-06
1.9E-07	1.0E-03	3.9E-10	1.6E-01	3.8E-02	2.3E-12	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.9E-12	1.8E+00	1.2E-06
1.9E-07	1.0E-03	5.8E-10	1.6E-01	3.8E-02	3.5E-12	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.9E-12	1.8E+00	1.2E-06
1.9E-07	1.0E-03	6.1E-10	1.6E-01	3.8E-02	3.7E-12	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.2E-12	1.9E+00	1.2E-06
1.9E-07	1.0E-03	6.4E-10	1.6E-01	3.8E-02	3.9E-12	2.0E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	7.5E-12	2.0E+00	1.2E-06
1.9E-07	1.0E-03	6.7E-10	1.6E-01	3.8E-02	4.0E-12	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	7.9E-12	2.1E+00	1.2E-06

1.9E-07	1.0E-03	6.9E-10	1.6E-01	3.8E-02	4.2E-12	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	3.8E-02	8.2E-12	2.2E+00	1.2E-06
1.9E-07	1.0E-03	7.1E-10	1.6E-01	3.8E-02	4.3E-12	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	3.8E-02	8.5E-12	2.2E+00	1.2E-06
1.9E-07	1.0E-03	7.3E-10	1.6E-01	3.8E-02	4.4E-12	2.3E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	3.8E-02	8.7E-12	2.3E+00	1.2E-06
1.9E-07	1.0E-03	7.4E-10	1.6E-01	3.8E-02	4.4E-12	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	3.8E-02	8.9E-12	2.4E+00	1.2E-06
1.9E-07	1.0E-03	7.4E-10	1.6E-01	3.8E-02	4.4E-12	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	3.8E-02	9.1E-12	2.4E+00	1.2E-06
1.9E-07	1.0E-03	7.3E-10	1.6E-01	3.8E-02	4.4E-12	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	3.8E-02	9.3E-12	2.4E+00	1.2E-06
1.9E-07	1.0E-03	7.2E-10	1.6E-01	3.8E-02	4.4E-12	2.5E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	3.8E-02	9.3E-12	2.5E+00	1.2E-06
1.9E-07	1.0E-03	7.1E-10	1.6E-01	3.8E-02	4.3E-12	2.5E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	3.8E-02	9.4E-12	2.5E+00	1.2E-06
1.9E-07	1.0E-03	6.9E-10	1.6E-01	3.8E-02	4.2E-12	2.5E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	3.8E-02	9.4E-12	2.5E+00	1.2E-06
1.9E-07	1.0E-03	6.7E-10	1.6E-01	3.8E-02	4.1E-12	2.5E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	3.8E-02	9.3E-12	2.5E+00	1.2E-06
1.9E-07	1.0E-03	6.5E-10	1.6E-01	3.8E-02	3.9E-12	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	3.8E-02	9.3E-12	2.4E+00	1.2E-06
1.9E-07	1.0E-03	6.3E-10	1.6E-01	3.8E-02	3.8E-12	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	3.8E-02	9.1E-12	2.4E+00	1.2E-06
1.9E-07	1.0E-03	6.0E-10	1.6E-01	3.8E-02	3.6E-12	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	3.8E-02	9.0E-12	2.4E+00	1.2E-06
1.9E-07	1.0E-03	5.7E-10	1.6E-01	3.8E-02	3.5E-12	2.3E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	3.8E-02	8.8E-12	2.3E+00	1.2E-06
1.9E-07	1.0E-03	5.5E-10	1.6E-01	3.8E-02	3.3E-12	2.3E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	3.8E-02	8.5E-12	2.3E+00	1.2E-06
1.9E-07	1.0E-03	5.2E-10	1.6E-01	3.8E-02	3.1E-12	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	3.8E-02	8.3E-12	2.2E+00	1.2E-06
1.9E-07	1.0E-03	4.9E-10	1.6E-01	3.8E-02	3.0E-12	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	8.0E-12	2.1E+00	1.2E-06
1.9E-07	1.0E-03	4.6E-10	1.6E-01	3.8E-02	2.8E-12	2.0E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	7.7E-12	2.0E+00	1.2E-06
1.9E-07	1.0E-03	4.4E-10	1.6E-01	3.8E-02	2.6E-12	2.0E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.5E-12	2.0E+00	1.2E-06
1.9E-07	1.0E-03	4.2E-10	1.6E-01	3.8E-02	2.5E-12	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.2E-12	1.9E+00	1.2E-06
1.9E-07	1.0E-03	3.9E-10	1.6E-01	3.8E-02	2.4E-12	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.9E-12	1.8E+00	1.2E-06
1.9E-07	1.0E-03	3.7E-10	1.6E-01	3.8E-02	2.2E-12	1.7E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.6E-12	1.7E+00	1.2E-06
1.9E-07	1.0E-03	5.3E-10	1.6E-01	3.8E-02	3.2E-12	1.7E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.4E-12	1.7E+00	1.2E-06
1.9E-07	1.0E-03	5.5E-10	1.6E-01	3.8E-02	3.3E-12	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.7E-12	1.8E+00	1.2E-06
1.9E-07	1.0E-03	5.8E-10	1.6E-01	3.8E-02	3.5E-12	1.8E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.0E-12	1.8E+00	1.2E-06
1.9E-07	1.0E-03	6.0E-10	1.6E-01	3.8E-02	3.6E-12	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.3E-12	1.9E+00	1.2E-06
1.9E-07	1.0E-03	6.2E-10	1.6E-01	3.8E-02	3.8E-12	2.0E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.5E-12	2.0E+00	1.2E-06
1.9E-07	1.0E-03	6.4E-10	1.6E-01	3.8E-02	3.9E-12	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	7.8E-12	2.1E+00	1.2E-06
1.9E-07	1.0E-03	6.5E-10	1.6E-01	3.8E-02	3.9E-12	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	8.0E-12	2.1E+00	1.2E-06
1.9E-07	1.0E-03	6.6E-10	1.6E-01	3.8E-02	4.0E-12	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	3.8E-02	8.2E-12	2.2E+00	1.2E-06
1.9E-07	1.0E-03	6.6E-10	1.6E-01	3.8E-02	4.0E-12	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	3.8E-02	8.4E-12	2.2E+00	1.2E-06
1.9E-07	1.0E-03	6.6E-10	1.6E-01	3.8E-02	4.0E-12	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	3.8E-02	8.5E-12	2.2E+00	1.2E-06
1.9E-07	1.0E-03	6.6E-10	1.6E-01	3.8E-02	4.0E-12	2.3E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	3.8E-02	8.6E-12	2.3E+00	1.2E-06
1.9E-07	1.0E-03	6.5E-10	1.6E-01	3.8E-02	3.9E-12	2.3E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	3.8E-02	8.6E-12	2.3E+00	1.2E-06
1.9E-07	1.0E-03	6.3E-10	1.6E-01	3.8E-02	3.8E-12	2.3E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	3.8E-02	8.6E-12	2.3E+00	1.2E-06
1.9E-07	1.0E-03	6.2E-10	1.6E-01	3.8E-02	3.7E-12	2.3E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	3.8E-02	8.6E-12	2.3E+00	1.2E-06
1.9E-07	1.0E-03	6.0E-10	1.6E-01	3.8E-02	3.6E-12	2.3E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	3.8E-02	8.6E-12	2.3E+00	1.2E-06
1.9E-07	1.0E-03	5.8E-10	1.6E-01	3.8E-02	3.5E-12	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	3.8E-02	8.5E-12	2.2E+00	1.2E-06
1.9E-07	1.0E-03	5.6E-10	1.6E-01	3.8E-02	3.4E-12	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	3.8E-02	8.3E-12	2.2E+00	1.2E-06
1.9E-07	1.0E-03	5.3E-10	1.6E-01	3.8E-02	3.2E-12	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	3.8E-02	8.2E-12	2.2E+00	1.2E-06
1.9E-07	1.0E-03	5.1E-10	1.6E-01	3.8E-02	3.1E-12	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	8.0E-12	2.1E+00	1.2E-06
1.9E-07	1.0E-03	4.9E-10	1.6E-01	3.8E-02	2.9E-12	2.0E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	7.7E-12	2.0E+00	1.2E-06
1.9E-07	1.0E-03	4.6E-10	1.6E-01	3.8E-02	2.8E-12	2.0E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.5E-12	2.0E+00	1.2E-06
1.9E-07	1.0E-03	4.4E-10	1.6E-01	3.8E-02	2.6E-12	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.3E-12	1.9E+00	1.2E-06
1.9E-07	1.0E-03	4.2E-10	1.6E-01	3.8E-02	2.5E-12	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.0E-12	1.9E+00	1.2E-06
1.9E-07	1.0E-03	4.0E-10	1.6E-01	3.8E-02	2.4E-12	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.8E-12	1.8E+00	1.2E-06
1.9E-07	1.0E-03	3.7E-10	1.6E-01	3.8E-02	2.3E-12	1.7E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.5E-12	1.7E+00	1.2E-06
1.9E-07	1.0E-03	3.5E-10	1.6E-01	3.8E-02	2.1E-12	1.7E+00	6.0E-07	1.0E-03	1.0E-09	1.6E-01	3.8E-02	6.3E-12	1.7E+00	1.2E-06
1.9E-07	1.0E-03	4.8E-10	1.6E-01	3.8E-02	2.9E-12	1.6E+00	6.0E-07	1.0E-03	9.8E-10	1.6E-01	3.8E-02	5.9E-12	1.6E+00	1.2E-06

1.9E-07	1.0E-03	5.0E-10	1.6E-01	3.8E-02	3.0E-12	1.6E+00	6.0E-07	1.0E-03	1.0E-09	1.6E-01	3.8E-02	6.2E-12	1.6E+00	1.2E-06
1.9E-07	1.0E-03	5.3E-10	1.6E-01	3.8E-02	3.2E-12	1.7E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.5E-12	1.7E+00	1.2E-06
1.9E-07	1.0E-03	5.5E-10	1.6E-01	3.8E-02	3.3E-12	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.7E-12	1.8E+00	1.2E-06
1.9E-07	1.0E-03	5.6E-10	1.6E-01	3.8E-02	3.4E-12	1.8E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.0E-12	1.8E+00	1.2E-06
1.9E-07	1.0E-03	5.8E-10	1.6E-01	3.8E-02	3.5E-12	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.2E-12	1.9E+00	1.2E-06
1.9E-07	1.0E-03	5.9E-10	1.6E-01	3.8E-02	3.6E-12	2.0E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.4E-12	2.0E+00	1.2E-06
1.9E-07	1.0E-03	6.0E-10	1.6E-01	3.8E-02	3.6E-12	2.0E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	7.6E-12	2.0E+00	1.2E-06
1.9E-07	1.0E-03	6.0E-10	1.6E-01	3.8E-02	3.6E-12	2.0E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	7.7E-12	2.0E+00	1.2E-06
1.9E-07	1.0E-03	6.0E-10	1.6E-01	3.8E-02	3.6E-12	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	7.8E-12	2.1E+00	1.2E-06
1.9E-07	1.0E-03	6.0E-10	1.6E-01	3.8E-02	3.6E-12	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	7.9E-12	2.1E+00	1.2E-06
1.9E-07	1.0E-03	5.9E-10	1.6E-01	3.8E-02	3.6E-12	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	8.0E-12	2.1E+00	1.2E-06
1.9E-07	1.0E-03	5.8E-10	1.6E-01	3.8E-02	3.5E-12	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	8.0E-12	2.1E+00	1.2E-06
1.9E-07	1.0E-03	5.7E-10	1.6E-01	3.8E-02	3.4E-12	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	8.0E-12	2.1E+00	1.2E-06
1.9E-07	1.0E-03	5.5E-10	1.6E-01	3.8E-02	3.3E-12	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	7.9E-12	2.1E+00	1.2E-06
1.9E-07	1.0E-03	5.3E-10	1.6E-01	3.8E-02	3.2E-12	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	7.8E-12	2.1E+00	1.2E-06
1.9E-07	1.0E-03	5.2E-10	1.6E-01	3.8E-02	3.1E-12	2.0E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	7.7E-12	2.0E+00	1.2E-06
1.9E-07	1.0E-03	5.0E-10	1.6E-01	3.8E-02	3.0E-12	2.0E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	7.6E-12	2.0E+00	1.2E-06
1.9E-07	1.0E-03	4.8E-10	1.6E-01	3.8E-02	2.9E-12	2.0E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.4E-12	2.0E+00	1.2E-06
1.9E-07	1.0E-03	4.6E-10	1.6E-01	3.8E-02	2.7E-12	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.3E-12	1.9E+00	1.2E-06
1.9E-07	1.0E-03	4.3E-10	1.6E-01	3.8E-02	2.6E-12	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.1E-12	1.9E+00	1.2E-06
1.9E-07	1.0E-03	4.1E-10	1.6E-01	3.8E-02	2.5E-12	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.8E-12	1.8E+00	1.2E-06
1.9E-07	1.0E-03	4.0E-10	1.6E-01	3.8E-02	2.4E-12	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.6E-12	1.8E+00	1.2E-06
1.9E-07	1.0E-03	3.8E-10	1.6E-01	3.8E-02	2.3E-12	1.7E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.4E-12	1.7E+00	1.2E-06
1.9E-07	1.0E-03	3.6E-10	1.6E-01	3.8E-02	2.2E-12	1.6E+00	6.0E-07	1.0E-03	1.0E-09	1.6E-01	3.8E-02	6.2E-12	1.6E+00	1.2E-06
1.9E-07	1.0E-03	3.4E-10	1.6E-01	3.8E-02	2.0E-12	1.6E+00	6.0E-07	1.0E-03	9.9E-10	1.6E-01	3.8E-02	6.0E-12	1.6E+00	1.2E-06
1.9E-07	1.0E-03	4.4E-10	1.6E-01	3.8E-02	2.7E-12	1.5E+00	6.0E-07	1.0E-03	9.2E-10	1.6E-01	3.8E-02	5.5E-12	1.5E+00	1.2E-06
1.9E-07	1.0E-03	4.6E-10	1.6E-01	3.8E-02	2.8E-12	1.5E+00	6.0E-07	1.0E-03	9.6E-10	1.6E-01	3.8E-02	5.8E-12	1.5E+00	1.2E-06
1.9E-07	1.0E-03	4.8E-10	1.6E-01	3.8E-02	2.9E-12	1.6E+00	6.0E-07	1.0E-03	1.0E-09	1.6E-01	3.8E-02	6.0E-12	1.6E+00	1.2E-06
1.9E-07	1.0E-03	5.0E-10	1.6E-01	3.8E-02	3.0E-12	1.6E+00	6.0E-07	1.0E-03	1.0E-09	1.6E-01	3.8E-02	6.2E-12	1.6E+00	1.2E-06
1.9E-07	1.0E-03	5.1E-10	1.6E-01	3.8E-02	3.1E-12	1.7E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.4E-12	1.7E+00	1.2E-06
1.9E-07	1.0E-03	5.3E-10	1.6E-01	3.8E-02	3.2E-12	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.6E-12	1.8E+00	1.2E-06
1.9E-07	1.0E-03	5.4E-10	1.6E-01	3.8E-02	3.2E-12	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.8E-12	1.8E+00	1.2E-06
1.9E-07	1.0E-03	5.4E-10	1.6E-01	3.8E-02	3.3E-12	1.8E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.0E-12	1.8E+00	1.2E-06
1.9E-07	1.0E-03	5.5E-10	1.6E-01	3.8E-02	3.3E-12	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.1E-12	1.9E+00	1.2E-06
1.9E-07	1.0E-03	5.5E-10	1.6E-01	3.8E-02	3.3E-12	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.2E-12	1.9E+00	1.2E-06
1.9E-07	1.0E-03	5.5E-10	1.6E-01	3.8E-02	3.3E-12	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.3E-12	1.9E+00	1.2E-06
1.9E-07	1.0E-03	5.4E-10	1.6E-01	3.8E-02	3.3E-12	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.4E-12	1.9E+00	1.2E-06
1.9E-07	1.0E-03	5.3E-10	1.6E-01	3.8E-02	3.2E-12	2.0E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.4E-12	2.0E+00	1.2E-06
1.9E-07	1.0E-03	5.2E-10	1.6E-01	3.8E-02	3.1E-12	2.0E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.4E-12	2.0E+00	1.2E-06
1.9E-07	1.0E-03	5.1E-10	1.6E-01	3.8E-02	3.1E-12	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.4E-12	1.9E+00	1.2E-06
1.9E-07	1.0E-03	5.0E-10	1.6E-01	3.8E-02	3.0E-12	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.3E-12	1.9E+00	1.2E-06
1.9E-07	1.0E-03	4.8E-10	1.6E-01	3.8E-02	2.9E-12	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.2E-12	1.9E+00	1.2E-06
1.9E-07	1.0E-03	4.6E-10	1.6E-01	3.8E-02	2.8E-12	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.1E-12	1.9E+00	1.2E-06
1.9E-07	1.0E-03	4.5E-10	1.6E-01	3.8E-02	2.7E-12	1.8E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.0E-12	1.8E+00	1.2E-06
1.9E-07	1.0E-03	4.3E-10	1.6E-01	3.8E-02	2.6E-12	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.8E-12	1.8E+00	1.2E-06
1.9E-07	1.0E-03	4.1E-10	1.6E-01	3.8E-02	2.5E-12	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.6E-12	1.8E+00	1.2E-06
1.9E-07	1.0E-03	3.9E-10	1.6E-01	3.8E-02	2.4E-12	1.7E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.4E-12	1.7E+00	1.2E-06
1.9E-07	1.0E-03	3.7E-10	1.6E-01	3.8E-02	2.3E-12	1.7E+00	6.0E-07	1.0E-03	1.0E-09	1.6E-01	3.8E-02	6.3E-12	1.7E+00	1.2E-06
1.9E-07	1.0E-03	3.6E-10	1.6E-01	3.8E-02	2.2E-12	1.6E+00	6.0E-07	1.0E-03	1.0E-09	1.6E-01	3.8E-02	6.1E-12	1.6E+00	1.2E-06

1.9E-07	1.0E-03	3.4E-10	1.6E-01	3.8E-02	2.1E-12	1.6E+00	6.0E-07	1.0E-03	9.7E-10	1.6E-01	3.8E-02	5.9E-12	1.6E+00	1.2E-06
1.9E-07	1.0E-03	3.2E-10	1.6E-01	3.8E-02	2.0E-12	1.5E+00	6.0E-07	1.0E-03	9.4E-10	1.6E-01	3.8E-02	5.7E-12	1.5E+00	1.2E-06
1.9E-07	1.0E-03	4.0E-10	1.6E-01	3.8E-02	2.4E-12	1.4E+00	6.0E-07	1.0E-03	8.6E-10	1.6E-01	3.8E-02	5.2E-12	1.4E+00	1.2E-06
1.9E-07	1.0E-03	4.2E-10	1.6E-01	3.8E-02	2.5E-12	1.4E+00	6.0E-07	1.0E-03	9.0E-10	1.6E-01	3.8E-02	5.4E-12	1.4E+00	1.2E-06
1.9E-07	1.0E-03	4.4E-10	1.6E-01	3.8E-02	2.6E-12	1.5E+00	6.0E-07	1.0E-03	9.3E-10	1.6E-01	3.8E-02	5.6E-12	1.5E+00	1.2E-06
1.9E-07	1.0E-03	4.5E-10	1.6E-01	3.8E-02	2.7E-12	1.5E+00	6.0E-07	1.0E-03	9.6E-10	1.6E-01	3.8E-02	5.8E-12	1.5E+00	1.2E-06
1.9E-07	1.0E-03	4.7E-10	1.6E-01	3.8E-02	2.8E-12	1.6E+00	6.0E-07	1.0E-03	9.9E-10	1.6E-01	3.8E-02	6.0E-12	1.6E+00	1.2E-06
1.9E-07	1.0E-03	4.8E-10	1.6E-01	3.8E-02	2.9E-12	1.6E+00	6.0E-07	1.0E-03	1.0E-09	1.6E-01	3.8E-02	6.2E-12	1.6E+00	1.2E-06
1.9E-07	1.0E-03	4.9E-10	1.6E-01	3.8E-02	2.9E-12	1.7E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.3E-12	1.7E+00	1.2E-06
1.9E-07	1.0E-03	5.0E-10	1.6E-01	3.8E-02	3.0E-12	1.7E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.5E-12	1.7E+00	1.2E-06
1.9E-07	1.0E-03	5.0E-10	1.6E-01	3.8E-02	3.0E-12	1.7E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.6E-12	1.7E+00	1.2E-06
1.9E-07	1.0E-03	5.0E-10	1.6E-01	3.8E-02	3.0E-12	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.7E-12	1.8E+00	1.2E-06
1.9E-07	1.0E-03	5.0E-10	1.6E-01	3.8E-02	3.0E-12	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.8E-12	1.8E+00	1.2E-06
1.9E-07	1.0E-03	5.0E-10	1.6E-01	3.8E-02	3.0E-12	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.8E-12	1.8E+00	1.2E-06
1.9E-07	1.0E-03	4.9E-10	1.6E-01	3.8E-02	3.0E-12	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.9E-12	1.8E+00	1.2E-06
1.9E-07	1.0E-03	4.8E-10	1.6E-01	3.8E-02	2.9E-12	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.9E-12	1.8E+00	1.2E-06
1.9E-07	1.0E-03	4.7E-10	1.6E-01	3.8E-02	2.8E-12	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.8E-12	1.8E+00	1.2E-06
1.9E-07	1.0E-03	4.6E-10	1.6E-01	3.8E-02	2.8E-12	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.8E-12	1.8E+00	1.2E-06
1.9E-07	1.0E-03	4.5E-10	1.6E-01	3.8E-02	2.7E-12	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.7E-12	1.8E+00	1.2E-06
1.9E-07	1.0E-03	4.3E-10	1.6E-01	3.8E-02	2.6E-12	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.6E-12	1.8E+00	1.2E-06
1.9E-07	1.0E-03	4.2E-10	1.6E-01	3.8E-02	2.5E-12	1.7E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.5E-12	1.7E+00	1.2E-06
1.9E-07	1.0E-03	4.0E-10	1.6E-01	3.8E-02	2.4E-12	1.7E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.4E-12	1.7E+00	1.2E-06
1.9E-07	1.0E-03	3.9E-10	1.6E-01	3.8E-02	2.3E-12	1.6E+00	6.0E-07	1.0E-03	1.0E-09	1.6E-01	3.8E-02	6.2E-12	1.6E+00	1.2E-06
1.9E-07	1.0E-03	3.7E-10	1.6E-01	3.8E-02	2.2E-12	1.6E+00	6.0E-07	1.0E-03	1.0E-09	1.6E-01	3.8E-02	6.1E-12	1.6E+00	1.2E-06
1.9E-07	1.0E-03	3.6E-10	1.6E-01	3.8E-02	2.1E-12	1.6E+00	6.0E-07	1.0E-03	9.8E-10	1.6E-01	3.8E-02	5.9E-12	1.6E+00	1.2E-06
1.9E-07	1.0E-03	3.4E-10	1.6E-01	3.8E-02	2.1E-12	1.5E+00	6.0E-07	1.0E-03	9.5E-10	1.6E-01	3.8E-02	5.7E-12	1.5E+00	1.2E-06
1.9E-07	1.0E-03	3.3E-10	1.6E-01	3.8E-02	2.0E-12	1.5E+00	6.0E-07	1.0E-03	9.2E-10	1.6E-01	3.8E-02	5.6E-12	1.5E+00	1.2E-06
1.9E-07	1.0E-03	3.1E-10	1.6E-01	3.8E-02	1.9E-12	1.4E+00	6.0E-07	1.0E-03	8.9E-10	1.6E-01	3.8E-02	5.4E-12	1.4E+00	1.2E-06

Franklin School Project

Risk From Portable Set-up - Unmitigated Residential

Haul Route 1A							Haul Route 2A					
D1	Dose	R1	ED	Risk	Conc	g/sec	D1	Dose	R1	ED	Risk	
1.0E-03	4.4E-10	1.6E-01	3.8E-02	2.6E-12	3.9E+00	1.3E-07	1.0E-03	5.4E-10	1.6E-01	3.8E-02	3.2E-12	1.13453E-06
1.0E-03	5.0E-10	1.6E-01	3.8E-02	3.0E-12	4.4E+00	1.3E-07	1.0E-03	6.0E-10	1.6E-01	3.8E-02	3.6E-12	1.29267E-06
1.0E-03	5.8E-10	1.6E-01	3.8E-02	3.5E-12	4.7E+00	1.3E-07	1.0E-03	6.5E-10	1.6E-01	3.8E-02	3.9E-12	1.44286E-06
1.0E-03	6.6E-10	1.6E-01	3.8E-02	4.0E-12	4.8E+00	1.3E-07	1.0E-03	6.7E-10	1.6E-01	3.8E-02	4.0E-12	1.58343E-06
1.0E-03	7.5E-10	1.6E-01	3.8E-02	4.5E-12	4.8E+00	1.3E-07	1.0E-03	6.7E-10	1.6E-01	3.8E-02	4.0E-12	1.70693E-06
1.0E-03	8.3E-10	1.6E-01	3.8E-02	5.0E-12	4.7E+00	1.3E-07	1.0E-03	6.5E-10	1.6E-01	3.8E-02	3.9E-12	1.80162E-06
1.0E-03	9.1E-10	1.6E-01	3.8E-02	5.5E-12	4.3E+00	1.3E-07	1.0E-03	5.9E-10	1.6E-01	3.8E-02	3.6E-12	1.85903E-06
1.0E-03	9.9E-10	1.6E-01	3.8E-02	6.0E-12	3.6E+00	1.3E-07	1.0E-03	5.0E-10	1.6E-01	3.8E-02	3.0E-12	1.8864E-06
1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.5E-12	2.8E+00	1.3E-07	1.0E-03	3.9E-10	1.6E-01	3.8E-02	2.4E-12	1.91524E-06
1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.1E-12	2.2E+00	1.3E-07	1.0E-03	3.0E-10	1.6E-01	3.8E-02	1.8E-12	1.97048E-06
1.0E-03	1.3E-09	1.6E-01	3.8E-02	7.7E-12	1.6E+00	1.3E-07	1.0E-03	2.3E-10	1.6E-01	3.8E-02	1.4E-12	2.03372E-06
1.0E-03	1.3E-09	1.6E-01	3.8E-02	8.0E-12	1.3E+00	1.3E-07	1.0E-03	1.8E-10	1.6E-01	3.8E-02	1.1E-12	2.06545E-06
1.0E-03	1.3E-09	1.6E-01	3.8E-02	8.1E-12	1.0E+00	1.3E-07	1.0E-03	1.4E-10	1.6E-01	3.8E-02	8.3E-13	2.04239E-06
1.0E-03	1.3E-09	1.6E-01	3.8E-02	7.9E-12	8.0E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.7E-13	1.9602E-06
1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.4E-12	6.5E-01	1.3E-07	1.0E-03	9.0E-11	1.6E-01	3.8E-02	5.4E-13	1.832E-06
1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.8E-12	5.4E-01	1.3E-07	1.0E-03	7.5E-11	1.6E-01	3.8E-02	4.5E-13	1.67737E-06
1.0E-03	5.1E-10	1.6E-01	3.8E-02	3.0E-12	8.3E+00	1.3E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.9E-12	1.81842E-06
1.0E-03	6.0E-10	1.6E-01	3.8E-02	3.6E-12	8.9E+00	1.3E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.5E-12	2.03675E-06
1.0E-03	7.1E-10	1.6E-01	3.8E-02	4.3E-12	9.3E+00	1.3E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	7.8E-12	2.24776E-06
1.0E-03	8.4E-10	1.6E-01	3.8E-02	5.1E-12	9.5E+00	1.3E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	7.9E-12	2.45533E-06
1.0E-03	9.8E-10	1.6E-01	3.8E-02	5.9E-12	9.4E+00	1.3E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	7.9E-12	2.6484E-06
1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.8E-12	9.0E+00	1.3E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.5E-12	2.7902E-06
1.0E-03	1.3E-09	1.6E-01	3.8E-02	7.6E-12	7.7E+00	1.3E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.4E-12	2.80855E-06
1.0E-03	1.4E-09	1.6E-01	3.8E-02	8.4E-12	5.3E+00	1.3E-07	1.0E-03	7.3E-10	1.6E-01	3.8E-02	4.4E-12	2.68438E-06
1.0E-03	1.6E-09	1.6E-01	3.8E-02	9.4E-12	3.4E+00	1.3E-07	1.0E-03	4.8E-10	1.6E-01	3.8E-02	2.9E-12	2.66885E-06
1.0E-03	1.7E-09	1.6E-01	3.8E-02	1.0E-11	2.3E+00	1.3E-07	1.0E-03	3.2E-10	1.6E-01	3.8E-02	1.9E-12	2.75124E-06
1.0E-03	1.8E-09	1.6E-01	3.8E-02	1.1E-11	1.7E+00	1.3E-07	1.0E-03	2.3E-10	1.6E-01	3.8E-02	1.4E-12	2.81772E-06
1.0E-03	1.8E-09	1.6E-01	3.8E-02	1.1E-11	1.2E+00	1.3E-07	1.0E-03	1.7E-10	1.6E-01	3.8E-02	1.0E-12	2.79024E-06
1.0E-03	1.8E-09	1.6E-01	3.8E-02	1.1E-11	9.4E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	3.8E-02	7.9E-13	2.65761E-06
1.0E-03	1.6E-09	1.6E-01	3.8E-02	9.9E-12	7.5E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	3.8E-02	6.2E-13	2.44527E-06
1.0E-03	1.5E-09	1.6E-01	3.8E-02	8.9E-12	6.1E-01	1.3E-07	1.0E-03	8.4E-11	1.6E-01	3.8E-02	5.0E-13	2.1921E-06
1.0E-03	1.3E-09	1.6E-01	3.8E-02	7.9E-12	5.0E-01	1.3E-07	1.0E-03	6.9E-11	1.6E-01	3.8E-02	4.2E-13	1.93254E-06
1.0E-03	5.9E-10	1.6E-01	3.8E-02	3.5E-12	6.9E+00	1.3E-07	1.0E-03	9.5E-10	1.6E-01	3.8E-02	5.7E-12	1.74426E-06
1.0E-03	7.2E-10	1.6E-01	3.8E-02	4.3E-12	1.1E+01	1.3E-07	1.0E-03	1.5E-09	1.6E-01	3.8E-02	9.2E-12	2.474E-06
1.0E-03	8.8E-10	1.6E-01	3.8E-02	5.3E-12	6.2E+00	1.3E-07	1.0E-03	8.5E-10	1.6E-01	3.8E-02	5.2E-12	2.07638E-06
1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.6E-12	6.1E+00	1.3E-07	1.0E-03	8.5E-10	1.6E-01	3.8E-02	5.1E-12	2.37024E-06
1.0E-03	1.3E-09	1.6E-01	3.8E-02	8.1E-12	6.0E+00	1.3E-07	1.0E-03	8.3E-10	1.6E-01	3.8E-02	5.0E-12	2.70151E-06
1.0E-03	1.6E-09	1.6E-01	3.8E-02	9.6E-12	5.4E+00	1.3E-07	1.0E-03	7.4E-10	1.6E-01	3.8E-02	4.5E-12	2.98095E-06
1.0E-03	1.9E-09	1.6E-01	3.8E-02	1.1E-11	6.2E+00	1.3E-07	1.0E-03	8.6E-10	1.6E-01	3.8E-02	5.2E-12	3.45165E-06
1.0E-03	2.1E-09	1.6E-01	3.8E-02	1.3E-11	7.1E+00	1.3E-07	1.0E-03	9.9E-10	1.6E-01	3.8E-02	6.0E-12	3.95937E-06
1.0E-03	2.4E-09	1.6E-01	3.8E-02	1.5E-11	3.6E+00	1.3E-07	1.0E-03	5.0E-10	1.6E-01	3.8E-02	3.0E-12	3.91352E-06
1.0E-03	2.6E-09	1.6E-01	3.8E-02	1.6E-11	2.2E+00	1.3E-07	1.0E-03	3.1E-10	1.6E-01	3.8E-02	1.9E-12	4.05953E-06
1.0E-03	2.7E-09	1.6E-01	3.8E-02	1.6E-11	1.5E+00	1.3E-07	1.0E-03	2.1E-10	1.6E-01	3.8E-02	1.3E-12	4.04551E-06

1.0E-03	2.6E-09	1.6E-01	3.8E-02	1.5E-11	1.1E+00	1.3E-07	1.0E-03	1.5E-10	1.6E-01	3.8E-02	9.2E-13	3.80482E-06
1.0E-03	2.3E-09	1.6E-01	3.8E-02	1.4E-11	8.5E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	3.8E-02	7.1E-13	3.41684E-06
1.0E-03	2.0E-09	1.6E-01	3.8E-02	1.2E-11	6.7E-01	1.3E-07	1.0E-03	9.3E-11	1.6E-01	3.8E-02	5.6E-13	2.97233E-06
1.0E-03	1.7E-09	1.6E-01	3.8E-02	1.0E-11	5.4E-01	1.3E-07	1.0E-03	7.5E-11	1.6E-01	3.8E-02	4.5E-13	2.53794E-06
1.0E-03	1.5E-09	1.6E-01	3.8E-02	8.8E-12	4.5E-01	1.3E-07	1.0E-03	6.3E-11	1.6E-01	3.8E-02	3.8E-13	2.14803E-06
1.0E-03	6.7E-10	1.6E-01	3.8E-02	4.1E-12	6.3E+00	1.3E-07	1.0E-03	8.8E-10	1.6E-01	3.8E-02	5.3E-12	1.79625E-06
1.0E-03	8.5E-10	1.6E-01	3.8E-02	5.1E-12	1.0E+01	1.3E-07	1.0E-03	1.4E-09	1.6E-01	3.8E-02	8.5E-12	2.56411E-06
1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.7E-12	5.6E+00	1.3E-07	1.0E-03	7.8E-10	1.6E-01	3.8E-02	4.7E-12	2.31911E-06
1.0E-03	1.5E-09	1.6E-01	3.8E-02	8.8E-12	5.5E+00	1.3E-07	1.0E-03	7.6E-10	1.6E-01	3.8E-02	4.6E-12	2.7975E-06
1.0E-03	1.9E-09	1.6E-01	3.8E-02	1.2E-11	5.3E+00	1.3E-07	1.0E-03	7.3E-10	1.6E-01	3.8E-02	4.4E-12	3.42188E-06
1.0E-03	2.5E-09	1.6E-01	3.8E-02	1.5E-11	4.5E+00	1.3E-07	1.0E-03	6.3E-10	1.6E-01	3.8E-02	3.8E-12	4.09736E-06
1.0E-03	3.0E-09	1.6E-01	3.8E-02	1.8E-11	5.2E+00	1.3E-07	1.0E-03	7.2E-10	1.6E-01	3.8E-02	4.4E-12	4.97784E-06
1.0E-03	3.6E-09	1.6E-01	3.8E-02	2.2E-11	6.0E+00	1.3E-07	1.0E-03	8.3E-10	1.6E-01	3.8E-02	5.0E-12	5.89363E-06
1.0E-03	4.1E-09	1.6E-01	3.8E-02	2.5E-11	3.0E+00	1.3E-07	1.0E-03	4.2E-10	1.6E-01	3.8E-02	2.5E-12	6.29652E-06
1.0E-03	4.3E-09	1.6E-01	3.8E-02	2.6E-11	1.9E+00	1.3E-07	1.0E-03	2.6E-10	1.6E-01	3.8E-02	1.6E-12	6.40032E-06
1.0E-03	4.0E-09	1.6E-01	3.8E-02	2.4E-11	1.3E+00	1.3E-07	1.0E-03	1.8E-10	1.6E-01	3.8E-02	1.1E-12	5.91576E-06
1.0E-03	3.5E-09	1.6E-01	3.8E-02	2.1E-11	9.5E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	3.8E-02	8.0E-13	5.10194E-06
1.0E-03	2.9E-09	1.6E-01	3.8E-02	1.8E-11	7.4E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	3.8E-02	6.2E-13	4.22879E-06
1.0E-03	2.4E-09	1.6E-01	3.8E-02	1.4E-11	5.9E-01	1.3E-07	1.0E-03	8.2E-11	1.6E-01	3.8E-02	4.9E-13	3.44729E-06
1.0E-03	1.9E-09	1.6E-01	3.8E-02	1.2E-11	4.8E-01	1.3E-07	1.0E-03	6.7E-11	1.6E-01	3.8E-02	4.0E-13	2.79757E-06
1.0E-03	1.6E-09	1.6E-01	3.8E-02	9.4E-12	4.0E-01	1.3E-07	1.0E-03	5.6E-11	1.6E-01	3.8E-02	3.4E-13	2.27725E-06
1.0E-03	7.6E-10	1.6E-01	3.8E-02	4.6E-12	7.0E+00	1.3E-07	1.0E-03	9.7E-10	1.6E-01	3.8E-02	5.8E-12	2.00968E-06
1.0E-03	1.0E-09	1.6E-01	3.8E-02	6.0E-12	7.3E+00	1.3E-07	1.0E-03	1.0E-09	1.6E-01	3.8E-02	6.1E-12	2.38565E-06
1.0E-03	1.4E-09	1.6E-01	3.8E-02	8.3E-12	7.4E+00	1.3E-07	1.0E-03	1.0E-09	1.6E-01	3.8E-02	6.1E-12	2.93109E-06
1.0E-03	2.0E-09	1.6E-01	3.8E-02	1.2E-11	7.3E+00	1.3E-07	1.0E-03	1.0E-09	1.6E-01	3.8E-02	6.1E-12	3.75963E-06
1.0E-03	2.9E-09	1.6E-01	3.8E-02	1.7E-11	7.0E+00	1.3E-07	1.0E-03	9.7E-10	1.6E-01	3.8E-02	5.9E-12	5.03436E-06
1.0E-03	4.2E-09	1.6E-01	3.8E-02	2.5E-11	6.4E+00	1.3E-07	1.0E-03	8.9E-10	1.6E-01	3.8E-02	5.4E-12	6.84214E-06
1.0E-03	5.7E-09	1.6E-01	3.8E-02	3.5E-11	5.2E+00	1.3E-07	1.0E-03	7.1E-10	1.6E-01	3.8E-02	4.3E-12	8.84366E-06
1.0E-03	7.3E-09	1.6E-01	3.8E-02	4.4E-11	3.4E+00	1.3E-07	1.0E-03	4.7E-10	1.6E-01	3.8E-02	2.9E-12	1.07916E-05
1.0E-03	8.0E-09	1.6E-01	3.8E-02	4.8E-11	2.2E+00	1.3E-07	1.0E-03	3.1E-10	1.6E-01	3.8E-02	1.8E-12	1.1649E-05
1.0E-03	7.2E-09	1.6E-01	3.8E-02	4.4E-11	1.5E+00	1.3E-07	1.0E-03	2.1E-10	1.6E-01	3.8E-02	1.2E-12	1.04759E-05
1.0E-03	5.8E-09	1.6E-01	3.8E-02	3.5E-11	1.1E+00	1.3E-07	1.0E-03	1.5E-10	1.6E-01	3.8E-02	9.0E-13	8.37433E-06
1.0E-03	4.4E-09	1.6E-01	3.8E-02	2.7E-11	8.2E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.8E-13	6.42679E-06
1.0E-03	3.4E-09	1.6E-01	3.8E-02	2.0E-11	6.4E-01	1.3E-07	1.0E-03	8.9E-11	1.6E-01	3.8E-02	5.4E-13	4.87335E-06
1.0E-03	2.6E-09	1.6E-01	3.8E-02	1.6E-11	5.2E-01	1.3E-07	1.0E-03	7.2E-11	1.6E-01	3.8E-02	4.3E-13	3.7292E-06
1.0E-03	2.0E-09	1.6E-01	3.8E-02	1.2E-11	4.3E-01	1.3E-07	1.0E-03	6.0E-11	1.6E-01	3.8E-02	3.6E-13	2.89345E-06
1.0E-03	1.6E-09	1.6E-01	3.8E-02	9.5E-12	3.6E-01	1.3E-07	1.0E-03	5.0E-11	1.6E-01	3.8E-02	3.0E-13	2.28266E-06
1.0E-03	8.3E-10	1.6E-01	3.8E-02	5.0E-12	3.5E+00	1.3E-07	1.0E-03	4.9E-10	1.6E-01	3.8E-02	3.0E-12	1.6549E-06
1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.8E-12	3.8E+00	1.3E-07	1.0E-03	5.2E-10	1.6E-01	3.8E-02	3.1E-12	2.11141E-06
1.0E-03	1.7E-09	1.6E-01	3.8E-02	1.0E-11	3.8E+00	1.3E-07	1.0E-03	5.3E-10	1.6E-01	3.8E-02	3.2E-12	2.86621E-06
1.0E-03	2.6E-09	1.6E-01	3.8E-02	1.6E-11	3.8E+00	1.3E-07	1.0E-03	5.3E-10	1.6E-01	3.8E-02	3.2E-12	4.20575E-06
1.0E-03	4.5E-09	1.6E-01	3.8E-02	2.7E-11	3.7E+00	1.3E-07	1.0E-03	5.1E-10	1.6E-01	3.8E-02	3.1E-12	6.84884E-06
1.0E-03	8.3E-09	1.6E-01	3.8E-02	5.0E-11	3.4E+00	1.3E-07	1.0E-03	4.7E-10	1.6E-01	3.8E-02	2.8E-12	1.22973E-05
1.0E-03	1.4E-08	1.6E-01	3.8E-02	8.7E-11	2.9E+00	1.3E-07	1.0E-03	4.0E-10	1.6E-01	3.8E-02	2.4E-12	2.10021E-05
1.0E-03	1.9E-08	1.6E-01	3.8E-02	1.2E-10	2.2E+00	1.3E-07	1.0E-03	3.1E-10	1.6E-01	3.8E-02	1.9E-12	2.76359E-05
1.0E-03	1.7E-08	1.6E-01	3.8E-02	1.0E-10	1.6E+00	1.3E-07	1.0E-03	2.3E-10	1.6E-01	3.8E-02	1.4E-12	2.38004E-05
1.0E-03	1.1E-08	1.6E-01	3.8E-02	6.8E-11	1.2E+00	1.3E-07	1.0E-03	1.7E-10	1.6E-01	3.8E-02	1.0E-12	1.61661E-05
1.0E-03	7.4E-09	1.6E-01	3.8E-02	4.5E-11	9.1E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	3.8E-02	7.6E-13	1.06257E-05
1.0E-03	5.0E-09	1.6E-01	3.8E-02	3.0E-11	7.1E-01	1.3E-07	1.0E-03	9.8E-11	1.6E-01	3.8E-02	5.9E-13	7.20731E-06

1.0E-03	3.5E-09	1.6E-01	3.8E-02	2.1E-11	5.7E-01	1.3E-07	1.0E-03	7.9E-11	1.6E-01	3.8E-02	4.7E-13	5.06939E-06
1.0E-03	2.6E-09	1.6E-01	3.8E-02	1.5E-11	4.7E-01	1.3E-07	1.0E-03	6.5E-11	1.6E-01	3.8E-02	3.9E-13	3.69989E-06
1.0E-03	1.9E-09	1.6E-01	3.8E-02	1.2E-11	3.9E-01	1.3E-07	1.0E-03	5.4E-11	1.6E-01	3.8E-02	3.3E-13	2.78627E-06
1.0E-03	1.5E-09	1.6E-01	3.8E-02	9.0E-12	3.3E-01	1.3E-07	1.0E-03	4.6E-11	1.6E-01	3.8E-02	2.8E-13	2.15882E-06
1.0E-03	8.7E-10	1.6E-01	3.8E-02	5.3E-12	2.2E+00	1.3E-07	1.0E-03	3.0E-10	1.6E-01	3.8E-02	1.8E-12	1.53466E-06
1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.4E-12	2.4E+00	1.3E-07	1.0E-03	3.3E-10	1.6E-01	3.8E-02	2.0E-12	2.04707E-06
1.0E-03	1.9E-09	1.6E-01	3.8E-02	1.1E-11	2.4E+00	1.3E-07	1.0E-03	3.4E-10	1.6E-01	3.8E-02	2.0E-12	2.97223E-06
1.0E-03	3.2E-09	1.6E-01	3.8E-02	1.9E-11	2.4E+00	1.3E-07	1.0E-03	3.4E-10	1.6E-01	3.8E-02	2.0E-12	4.83043E-06
1.0E-03	6.4E-09	1.6E-01	3.8E-02	3.9E-11	2.4E+00	1.3E-07	1.0E-03	3.3E-10	1.6E-01	3.8E-02	2.0E-12	9.48992E-06
1.0E-03	1.8E-08	1.6E-01	3.8E-02	1.1E-10	2.2E+00	1.3E-07	1.0E-03	3.0E-10	1.6E-01	3.8E-02	1.8E-12	2.62779E-05
1.0E-03	6.9E-08	1.6E-01	3.8E-02	4.2E-10	1.9E+00	1.3E-07	1.0E-03	2.7E-10	1.6E-01	3.8E-02	1.6E-12	9.87621E-05
1.0E-03	7.8E-08	1.6E-01	3.8E-02	4.7E-10	1.6E+00	1.3E-07	1.0E-03	2.2E-10	1.6E-01	3.8E-02	1.3E-12	0.000111229
1.0E-03	3.1E-08	1.6E-01	3.8E-02	1.9E-10	1.3E+00	1.3E-07	1.0E-03	1.8E-10	1.6E-01	3.8E-02	1.1E-12	4.38567E-05
1.0E-03	1.4E-08	1.6E-01	3.8E-02	8.5E-11	1.0E+00	1.3E-07	1.0E-03	1.4E-10	1.6E-01	3.8E-02	8.4E-13	2.01823E-05
1.0E-03	7.8E-09	1.6E-01	3.8E-02	4.7E-11	7.9E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.6E-13	1.11451E-05
1.0E-03	4.8E-09	1.6E-01	3.8E-02	2.9E-11	6.3E-01	1.3E-07	1.0E-03	8.7E-11	1.6E-01	3.8E-02	5.3E-13	6.96939E-06
1.0E-03	3.3E-09	1.6E-01	3.8E-02	2.0E-11	5.1E-01	1.3E-07	1.0E-03	7.1E-11	1.6E-01	3.8E-02	4.3E-13	4.70386E-06
1.0E-03	2.3E-09	1.6E-01	3.8E-02	1.4E-11	4.3E-01	1.3E-07	1.0E-03	5.9E-11	1.6E-01	3.8E-02	3.6E-13	3.36518E-06
1.0E-03	1.7E-09	1.6E-01	3.8E-02	1.0E-11	3.6E-01	1.3E-07	1.0E-03	5.0E-11	1.6E-01	3.8E-02	3.0E-13	2.51261E-06
1.0E-03	1.3E-09	1.6E-01	3.8E-02	8.1E-12	3.1E-01	1.3E-07	1.0E-03	4.2E-11	1.6E-01	3.8E-02	2.6E-13	1.94207E-06
1.0E-03	8.8E-10	1.6E-01	3.8E-02	5.3E-12	1.5E+00	1.3E-07	1.0E-03	2.1E-10	1.6E-01	3.8E-02	1.3E-12	1.45457E-06
1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.5E-12	1.6E+00	1.3E-07	1.0E-03	2.2E-10	1.6E-01	3.8E-02	1.4E-12	1.98591E-06
1.0E-03	1.9E-09	1.6E-01	3.8E-02	1.2E-11	1.7E+00	1.3E-07	1.0E-03	2.3E-10	1.6E-01	3.8E-02	1.4E-12	2.94648E-06
1.0E-03	3.3E-09	1.6E-01	3.8E-02	2.0E-11	1.7E+00	1.3E-07	1.0E-03	2.4E-10	1.6E-01	3.8E-02	1.4E-12	4.92621E-06
1.0E-03	7.1E-09	1.6E-01	3.8E-02	4.3E-11	1.7E+00	1.3E-07	1.0E-03	2.3E-10	1.6E-01	3.8E-02	1.4E-12	1.02552E-05
1.0E-03	1.2E-08	1.6E-01	3.8E-02	7.4E-11	8.5E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	3.8E-02	7.1E-13	1.76639E-05
1.0E-03	6.6E-09	1.6E-01	3.8E-02	4.0E-11	6.9E-01	1.3E-07	1.0E-03	9.6E-11	1.6E-01	3.8E-02	5.8E-13	9.47009E-06
1.0E-03	4.1E-09	1.6E-01	3.8E-02	2.5E-11	5.7E-01	1.3E-07	1.0E-03	7.9E-11	1.6E-01	3.8E-02	4.7E-13	5.89046E-06
1.0E-03	2.8E-09	1.6E-01	3.8E-02	1.7E-11	4.7E-01	1.3E-07	1.0E-03	6.5E-11	1.6E-01	3.8E-02	3.9E-13	3.99371E-06
1.0E-03	2.0E-09	1.6E-01	3.8E-02	1.2E-11	3.9E-01	1.3E-07	1.0E-03	5.5E-11	1.6E-01	3.8E-02	3.3E-13	2.88181E-06
1.0E-03	1.5E-09	1.6E-01	3.8E-02	9.0E-12	3.3E-01	1.3E-07	1.0E-03	4.6E-11	1.6E-01	3.8E-02	2.8E-13	2.17359E-06
1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.0E-12	2.9E-01	1.3E-07	1.0E-03	4.0E-11	1.6E-01	3.8E-02	2.4E-13	1.69498E-06
1.0E-03	8.5E-10	1.6E-01	3.8E-02	5.1E-12	1.1E+00	1.3E-07	1.0E-03	1.5E-10	1.6E-01	3.8E-02	9.1E-13	1.35196E-06
1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.1E-12	1.2E+00	1.3E-07	1.0E-03	1.6E-10	1.6E-01	3.8E-02	9.8E-13	1.82859E-06
1.0E-03	1.7E-09	1.6E-01	3.8E-02	1.1E-11	1.2E+00	1.3E-07	1.0E-03	1.7E-10	1.6E-01	3.8E-02	1.0E-12	2.64373E-06
1.0E-03	2.9E-09	1.6E-01	3.8E-02	1.7E-11	1.3E+00	1.3E-07	1.0E-03	1.7E-10	1.6E-01	3.8E-02	1.0E-12	4.23819E-06
1.0E-03	5.3E-09	1.6E-01	3.8E-02	3.2E-11	1.2E+00	1.3E-07	1.0E-03	1.7E-10	1.6E-01	3.8E-02	1.0E-12	7.63814E-06
1.0E-03	8.3E-09	1.6E-01	3.8E-02	5.0E-11	7.2E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	3.8E-02	6.0E-13	1.19085E-05
1.0E-03	5.0E-09	1.6E-01	3.8E-02	3.0E-11	6.1E-01	1.3E-07	1.0E-03	8.4E-11	1.6E-01	3.8E-02	5.1E-13	7.14056E-06
1.0E-03	3.2E-09	1.6E-01	3.8E-02	1.9E-11	5.1E-01	1.3E-07	1.0E-03	7.0E-11	1.6E-01	3.8E-02	4.2E-13	4.63217E-06
1.0E-03	2.3E-09	1.6E-01	3.8E-02	1.4E-11	4.3E-01	1.3E-07	1.0E-03	6.0E-11	1.6E-01	3.8E-02	3.6E-13	3.30016E-06
1.0E-03	1.7E-09	1.6E-01	3.8E-02	1.0E-11	3.7E-01	1.3E-07	1.0E-03	5.1E-11	1.6E-01	3.8E-02	3.1E-13	2.43067E-06
1.0E-03	1.3E-09	1.6E-01	3.8E-02	7.7E-12	3.1E-01	1.3E-07	1.0E-03	4.4E-11	1.6E-01	3.8E-02	2.6E-13	1.86455E-06
1.0E-03	1.0E-09	1.6E-01	3.8E-02	6.1E-12	2.7E-01	1.3E-07	1.0E-03	3.8E-11	1.6E-01	3.8E-02	2.3E-13	1.47367E-06
1.0E-03	7.8E-10	1.6E-01	3.8E-02	4.7E-12	8.3E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	3.8E-02	6.9E-13	1.22539E-06
1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.4E-12	9.0E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	3.8E-02	7.5E-13	1.6179E-06
1.0E-03	1.5E-09	1.6E-01	3.8E-02	8.9E-12	9.4E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	3.8E-02	7.9E-13	2.22684E-06
1.0E-03	2.2E-09	1.6E-01	3.8E-02	1.3E-11	9.6E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	3.8E-02	8.0E-13	3.29994E-06
1.0E-03	3.5E-09	1.6E-01	3.8E-02	2.1E-11	9.6E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	3.8E-02	8.0E-13	5.06073E-06

1.0E-03	5.4E-09	1.6E-01	3.8E-02	3.2E-11	6.1E-01	1.3E-07	1.0E-03	8.5E-11	1.6E-01	3.8E-02	5.1E-13	7.72749E-06
1.0E-03	3.7E-09	1.6E-01	3.8E-02	2.2E-11	5.3E-01	1.3E-07	1.0E-03	7.3E-11	1.6E-01	3.8E-02	4.4E-13	5.27288E-06
1.0E-03	2.6E-09	1.6E-01	3.8E-02	1.5E-11	4.6E-01	1.3E-07	1.0E-03	6.3E-11	1.6E-01	3.8E-02	3.8E-13	3.71414E-06
1.0E-03	1.9E-09	1.6E-01	3.8E-02	1.2E-11	4.0E-01	1.3E-07	1.0E-03	5.5E-11	1.6E-01	3.8E-02	3.3E-13	2.7752E-06
1.0E-03	1.4E-09	1.6E-01	3.8E-02	8.7E-12	3.4E-01	1.3E-07	1.0E-03	4.7E-11	1.6E-01	3.8E-02	2.9E-13	2.09049E-06
1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.7E-12	3.0E-01	1.3E-07	1.0E-03	4.1E-11	1.6E-01	3.8E-02	2.5E-13	1.62991E-06
1.0E-03	8.9E-10	1.6E-01	3.8E-02	5.4E-12	2.6E-01	1.3E-07	1.0E-03	3.6E-11	1.6E-01	3.8E-02	2.2E-13	1.30356E-06
1.0E-03	7.0E-10	1.6E-01	3.8E-02	4.2E-12	6.5E-01	1.3E-07	1.0E-03	9.1E-11	1.6E-01	3.8E-02	5.5E-13	1.08324E-06
1.0E-03	9.0E-10	1.6E-01	3.8E-02	5.4E-12	7.0E-01	1.3E-07	1.0E-03	9.7E-11	1.6E-01	3.8E-02	5.9E-13	1.37452E-06
1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.3E-12	7.4E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	3.8E-02	6.2E-13	1.8181E-06
1.0E-03	1.7E-09	1.6E-01	3.8E-02	1.0E-11	7.6E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.3E-13	2.48756E-06
1.0E-03	2.4E-09	1.6E-01	3.8E-02	1.4E-11	7.6E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.3E-13	3.51503E-06
1.0E-03	3.8E-09	1.6E-01	3.8E-02	2.3E-11	5.3E-01	1.3E-07	1.0E-03	7.4E-11	1.6E-01	3.8E-02	4.5E-13	5.5234E-06
1.0E-03	2.8E-09	1.6E-01	3.8E-02	1.7E-11	4.7E-01	1.3E-07	1.0E-03	6.5E-11	1.6E-01	3.8E-02	3.9E-13	4.10083E-06
1.0E-03	2.1E-09	1.6E-01	3.8E-02	1.3E-11	4.1E-01	1.3E-07	1.0E-03	5.7E-11	1.6E-01	3.8E-02	3.4E-13	3.02234E-06
1.0E-03	1.6E-09	1.6E-01	3.8E-02	9.9E-12	3.6E-01	1.3E-07	1.0E-03	5.0E-11	1.6E-01	3.8E-02	3.0E-13	2.38103E-06
1.0E-03	1.3E-09	1.6E-01	3.8E-02	7.6E-12	3.2E-01	1.3E-07	1.0E-03	4.4E-11	1.6E-01	3.8E-02	2.6E-13	1.84253E-06
1.0E-03	1.0E-09	1.6E-01	3.8E-02	6.0E-12	2.8E-01	1.3E-07	1.0E-03	3.9E-11	1.6E-01	3.8E-02	2.3E-13	1.45951E-06
1.0E-03	8.1E-10	1.6E-01	3.8E-02	4.9E-12	2.4E-01	1.3E-07	1.0E-03	3.4E-11	1.6E-01	3.8E-02	2.0E-13	1.17971E-06
1.0E-03	6.1E-10	1.6E-01	3.8E-02	3.7E-12	5.3E-01	1.3E-07	1.0E-03	7.3E-11	1.6E-01	3.8E-02	4.4E-13	9.38748E-07
1.0E-03	7.6E-10	1.6E-01	3.8E-02	4.6E-12	5.7E-01	1.3E-07	1.0E-03	7.9E-11	1.6E-01	3.8E-02	4.7E-13	1.16083E-06
1.0E-03	9.8E-10	1.6E-01	3.8E-02	5.9E-12	6.0E-01	1.3E-07	1.0E-03	8.2E-11	1.6E-01	3.8E-02	5.0E-13	1.46681E-06
1.0E-03	1.3E-09	1.6E-01	3.8E-02	7.8E-12	6.1E-01	1.3E-07	1.0E-03	8.5E-11	1.6E-01	3.8E-02	5.1E-13	1.91215E-06
1.0E-03	1.8E-09	1.6E-01	3.8E-02	1.1E-11	6.2E-01	1.3E-07	1.0E-03	8.5E-11	1.6E-01	3.8E-02	5.1E-13	2.57958E-06
1.0E-03	2.3E-09	1.6E-01	3.8E-02	1.4E-11	6.1E-01	1.3E-07	1.0E-03	8.4E-11	1.6E-01	3.8E-02	5.0E-13	3.40602E-06
1.0E-03	2.9E-09	1.6E-01	3.8E-02	1.7E-11	5.8E-01	1.3E-07	1.0E-03	8.1E-11	1.6E-01	3.8E-02	4.9E-13	4.17798E-06
1.0E-03	3.2E-09	1.6E-01	3.8E-02	1.9E-11	5.5E-01	1.3E-07	1.0E-03	7.6E-11	1.6E-01	3.8E-02	4.6E-13	4.60001E-06
1.0E-03	3.1E-09	1.6E-01	3.8E-02	1.9E-11	5.1E-01	1.3E-07	1.0E-03	7.0E-11	1.6E-01	3.8E-02	4.2E-13	4.49136E-06
1.0E-03	2.7E-09	1.6E-01	3.8E-02	1.6E-11	4.6E-01	1.3E-07	1.0E-03	6.4E-11	1.6E-01	3.8E-02	3.9E-13	3.94797E-06
1.0E-03	2.2E-09	1.6E-01	3.8E-02	1.4E-11	4.2E-01	1.3E-07	1.0E-03	5.8E-11	1.6E-01	3.8E-02	3.5E-13	3.24601E-06
1.0E-03	1.7E-09	1.6E-01	3.8E-02	1.0E-11	3.7E-01	1.3E-07	1.0E-03	5.1E-11	1.6E-01	3.8E-02	3.0E-13	2.47705E-06
1.0E-03	1.4E-09	1.6E-01	3.8E-02	8.2E-12	3.2E-01	1.3E-07	1.0E-03	4.5E-11	1.6E-01	3.8E-02	2.7E-13	1.97129E-06
1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.8E-12	2.9E-01	1.3E-07	1.0E-03	4.1E-11	1.6E-01	3.8E-02	2.5E-13	1.64133E-06
1.0E-03	9.1E-10	1.6E-01	3.8E-02	5.5E-12	2.6E-01	1.3E-07	1.0E-03	3.6E-11	1.6E-01	3.8E-02	2.2E-13	1.32434E-06
1.0E-03	7.4E-10	1.6E-01	3.8E-02	4.5E-12	2.3E-01	1.3E-07	1.0E-03	3.2E-11	1.6E-01	3.8E-02	1.9E-13	1.08412E-06
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1.0E-03	6.5E-10	1.6E-01	3.8E-02	3.9E-12	4.7E-01	1.3E-07	1.0E-03	6.5E-11	1.6E-01	3.8E-02	3.9E-13	9.84494E-07
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1.0E-03	1.0E-09	1.6E-01	3.8E-02	6.2E-12	5.0E-01	1.3E-07	1.0E-03	7.0E-11	1.6E-01	3.8E-02	4.2E-13	1.52399E-06
1.0E-03	1.3E-09	1.6E-01	3.8E-02	8.0E-12	5.1E-01	1.3E-07	1.0E-03	7.0E-11	1.6E-01	3.8E-02	4.2E-13	1.95294E-06
1.0E-03	1.7E-09	1.6E-01	3.8E-02	1.0E-11	5.0E-01	1.3E-07	1.0E-03	7.0E-11	1.6E-01	3.8E-02	4.2E-13	2.4209E-06
1.0E-03	2.0E-09	1.6E-01	3.8E-02	1.2E-11	4.9E-01	1.3E-07	1.0E-03	6.7E-11	1.6E-01	3.8E-02	4.1E-13	2.84941E-06
1.0E-03	2.1E-09	1.6E-01	3.8E-02	1.3E-11	4.7E-01	1.3E-07	1.0E-03	6.4E-11	1.6E-01	3.8E-02	3.9E-13	3.11513E-06
1.0E-03	2.2E-09	1.6E-01	3.8E-02	1.3E-11	4.4E-01	1.3E-07	1.0E-03	6.0E-11	1.6E-01	3.8E-02	3.6E-13	3.13027E-06
1.0E-03	2.0E-09	1.6E-01	3.8E-02	1.2E-11	4.0E-01	1.3E-07	1.0E-03	5.6E-11	1.6E-01	3.8E-02	3.4E-13	2.89346E-06
1.0E-03	1.7E-09	1.6E-01	3.8E-02	1.1E-11	3.7E-01	1.3E-07	1.0E-03	5.1E-11	1.6E-01	3.8E-02	3.1E-13	2.53307E-06
1.0E-03	1.5E-09	1.6E-01	3.8E-02	8.8E-12	3.3E-01	1.3E-07	1.0E-03	4.6E-11	1.6E-01	3.8E-02	2.8E-13	2.12347E-06
1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.0E-12	2.9E-01	1.3E-07	1.0E-03	4.1E-11	1.6E-01	3.8E-02	2.5E-13	1.68088E-06
1.0E-03	9.9E-10	1.6E-01	3.8E-02	5.9E-12	2.7E-01	1.3E-07	1.0E-03	3.7E-11	1.6E-01	3.8E-02	2.3E-13	1.43791E-06

1.0E-03	8.2E-10	1.6E-01	3.8E-02	5.0E-12	2.4E-01	1.3E-07	1.0E-03	3.4E-11	1.6E-01	3.8E-02	2.0E-13	1.20349E-06
1.0E-03	6.8E-10	1.6E-01	3.8E-02	4.1E-12	2.2E-01	1.3E-07	1.0E-03	3.0E-11	1.6E-01	3.8E-02	1.8E-13	1.00107E-06
1.0E-03	4.7E-10	1.6E-01	3.8E-02	2.8E-12	3.7E-01	1.3E-07	1.0E-03	5.1E-11	1.6E-01	3.8E-02	3.1E-13	7.11213E-07
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1.0E-03	8.4E-10	1.6E-01	3.8E-02	5.0E-12	4.2E-01	1.3E-07	1.0E-03	5.8E-11	1.6E-01	3.8E-02	3.5E-13	1.24484E-06
1.0E-03	1.0E-09	1.6E-01	3.8E-02	6.2E-12	4.3E-01	1.3E-07	1.0E-03	5.9E-11	1.6E-01	3.8E-02	3.6E-13	1.51945E-06
1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.4E-12	4.2E-01	1.3E-07	1.0E-03	5.9E-11	1.6E-01	3.8E-02	3.5E-13	1.81138E-06
1.0E-03	1.4E-09	1.6E-01	3.8E-02	8.6E-12	4.1E-01	1.3E-07	1.0E-03	5.7E-11	1.6E-01	3.8E-02	3.4E-13	2.07324E-06
1.0E-03	1.5E-09	1.6E-01	3.8E-02	9.3E-12	4.0E-01	1.3E-07	1.0E-03	5.5E-11	1.6E-01	3.8E-02	3.3E-13	2.24586E-06
1.0E-03	1.6E-09	1.6E-01	3.8E-02	9.5E-12	3.8E-01	1.3E-07	1.0E-03	5.2E-11	1.6E-01	3.8E-02	3.1E-13	2.28359E-06
1.0E-03	1.5E-09	1.6E-01	3.8E-02	9.0E-12	3.5E-01	1.3E-07	1.0E-03	4.9E-11	1.6E-01	3.8E-02	2.9E-13	2.1656E-06
1.0E-03	1.3E-09	1.6E-01	3.8E-02	7.9E-12	3.2E-01	1.3E-07	1.0E-03	4.4E-11	1.6E-01	3.8E-02	2.7E-13	1.91848E-06
1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.0E-12	3.0E-01	1.3E-07	1.0E-03	4.1E-11	1.6E-01	3.8E-02	2.5E-13	1.69705E-06
1.0E-03	1.0E-09	1.6E-01	3.8E-02	6.0E-12	2.7E-01	1.3E-07	1.0E-03	3.7E-11	1.6E-01	3.8E-02	2.3E-13	1.45772E-06
1.0E-03	8.3E-10	1.6E-01	3.8E-02	5.0E-12	2.4E-01	1.3E-07	1.0E-03	3.3E-11	1.6E-01	3.8E-02	2.0E-13	1.21149E-06
1.0E-03	7.4E-10	1.6E-01	3.8E-02	4.4E-12	2.3E-01	1.3E-07	1.0E-03	3.1E-11	1.6E-01	3.8E-02	1.9E-13	1.0801E-06
1.0E-03	6.3E-10	1.6E-01	3.8E-02	3.8E-12	2.1E-01	1.3E-07	1.0E-03	2.8E-11	1.6E-01	3.8E-02	1.7E-13	9.22116E-07
1.0E-03	4.1E-10	1.6E-01	3.8E-02	2.5E-12	3.1E-01	1.3E-07	1.0E-03	4.3E-11	1.6E-01	3.8E-02	2.6E-13	6.24464E-07
1.0E-03	4.8E-10	1.6E-01	3.8E-02	2.9E-12	3.3E-01	1.3E-07	1.0E-03	4.6E-11	1.6E-01	3.8E-02	2.8E-13	7.30715E-07
1.0E-03	5.7E-10	1.6E-01	3.8E-02	3.5E-12	3.5E-01	1.3E-07	1.0E-03	4.8E-11	1.6E-01	3.8E-02	2.9E-13	8.63042E-07
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1.0E-03	8.2E-10	1.6E-01	3.8E-02	4.9E-12	3.6E-01	1.3E-07	1.0E-03	5.0E-11	1.6E-01	3.8E-02	3.0E-13	1.21548E-06
1.0E-03	9.6E-10	1.6E-01	3.8E-02	5.8E-12	3.6E-01	1.3E-07	1.0E-03	5.0E-11	1.6E-01	3.8E-02	3.0E-13	1.40825E-06
1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.5E-12	3.5E-01	1.3E-07	1.0E-03	4.9E-11	1.6E-01	3.8E-02	3.0E-13	1.57838E-06
1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.0E-12	3.4E-01	1.3E-07	1.0E-03	4.7E-11	1.6E-01	3.8E-02	2.9E-13	1.68853E-06
1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.1E-12	3.3E-01	1.3E-07	1.0E-03	4.5E-11	1.6E-01	3.8E-02	2.7E-13	1.72705E-06
1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.9E-12	3.1E-01	1.3E-07	1.0E-03	4.3E-11	1.6E-01	3.8E-02	2.6E-13	1.67449E-06
1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.5E-12	2.9E-01	1.3E-07	1.0E-03	4.0E-11	1.6E-01	3.8E-02	2.4E-13	1.58186E-06
1.0E-03	9.9E-10	1.6E-01	3.8E-02	6.0E-12	2.7E-01	1.3E-07	1.0E-03	3.8E-11	1.6E-01	3.8E-02	2.3E-13	1.4488E-06
1.0E-03	8.8E-10	1.6E-01	3.8E-02	5.3E-12	2.5E-01	1.3E-07	1.0E-03	3.5E-11	1.6E-01	3.8E-02	2.1E-13	1.28573E-06
1.0E-03	7.2E-10	1.6E-01	3.8E-02	4.4E-12	2.2E-01	1.3E-07	1.0E-03	3.1E-11	1.6E-01	3.8E-02	1.9E-13	1.06025E-06
1.0E-03	6.3E-10	1.6E-01	3.8E-02	3.8E-12	2.0E-01	1.3E-07	1.0E-03	2.8E-11	1.6E-01	3.8E-02	1.7E-13	9.17749E-07
1.0E-03	5.7E-10	1.6E-01	3.8E-02	3.5E-12	1.9E-01	1.3E-07	1.0E-03	2.7E-11	1.6E-01	3.8E-02	1.6E-13	8.40975E-07
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1.0E-03	6.7E-10	1.6E-01	3.8E-02	4.0E-12	3.1E-01	1.3E-07	1.0E-03	4.3E-11	1.6E-01	3.8E-02	2.6E-13	9.93648E-07
1.0E-03	7.6E-10	1.6E-01	3.8E-02	4.6E-12	3.1E-01	1.3E-07	1.0E-03	4.3E-11	1.6E-01	3.8E-02	2.6E-13	1.12779E-06
1.0E-03	8.5E-10	1.6E-01	3.8E-02	5.1E-12	3.1E-01	1.3E-07	1.0E-03	4.2E-11	1.6E-01	3.8E-02	2.6E-13	1.2453E-06
1.0E-03	9.0E-10	1.6E-01	3.8E-02	5.5E-12	3.0E-01	1.3E-07	1.0E-03	4.1E-11	1.6E-01	3.8E-02	2.5E-13	1.32714E-06
1.0E-03	9.3E-10	1.6E-01	3.8E-02	5.6E-12	2.9E-01	1.3E-07	1.0E-03	4.0E-11	1.6E-01	3.8E-02	2.4E-13	1.36063E-06
1.0E-03	9.2E-10	1.6E-01	3.8E-02	5.5E-12	2.7E-01	1.3E-07	1.0E-03	3.8E-11	1.6E-01	3.8E-02	2.3E-13	1.34284E-06
1.0E-03	8.8E-10	1.6E-01	3.8E-02	5.3E-12	2.6E-01	1.3E-07	1.0E-03	3.6E-11	1.6E-01	3.8E-02	2.2E-13	1.29056E-06
1.0E-03	8.2E-10	1.6E-01	3.8E-02	5.0E-12	2.4E-01	1.3E-07	1.0E-03	3.4E-11	1.6E-01	3.8E-02	2.0E-13	1.20422E-06
1.0E-03	7.5E-10	1.6E-01	3.8E-02	4.5E-12	2.3E-01	1.3E-07	1.0E-03	3.2E-11	1.6E-01	3.8E-02	1.9E-13	1.09793E-06
1.0E-03	6.7E-10	1.6E-01	3.8E-02	4.0E-12	2.1E-01	1.3E-07	1.0E-03	2.9E-11	1.6E-01	3.8E-02	1.8E-13	9.79361E-07
1.0E-03	5.6E-10	1.6E-01	3.8E-02	3.4E-12	1.9E-01	1.3E-07	1.0E-03	2.6E-11	1.6E-01	3.8E-02	1.6E-13	8.17176E-07

1.0E-03	4.9E-10	1.6E-01	3.8E-02	3.0E-12	1.7E-01	1.3E-07	1.0E-03	2.4E-11	1.6E-01	3.8E-02	1.4E-13	7.21172E-07
1.0E-03	3.2E-10	1.6E-01	3.8E-02	1.9E-12	2.4E-01	1.3E-07	1.0E-03	3.3E-11	1.6E-01	3.8E-02	2.0E-13	4.87713E-07
1.0E-03	3.7E-10	1.6E-01	3.8E-02	2.2E-12	2.5E-01	1.3E-07	1.0E-03	3.5E-11	1.6E-01	3.8E-02	2.1E-13	5.56766E-07
1.0E-03	4.2E-10	1.6E-01	3.8E-02	2.6E-12	2.6E-01	1.3E-07	1.0E-03	3.6E-11	1.6E-01	3.8E-02	2.2E-13	6.37606E-07
1.0E-03	4.9E-10	1.6E-01	3.8E-02	2.9E-12	2.7E-01	1.3E-07	1.0E-03	3.7E-11	1.6E-01	3.8E-02	2.2E-13	7.2804E-07
1.0E-03	5.6E-10	1.6E-01	3.8E-02	3.4E-12	2.7E-01	1.3E-07	1.0E-03	3.7E-11	1.6E-01	3.8E-02	2.2E-13	8.27944E-07
1.0E-03	6.2E-10	1.6E-01	3.8E-02	3.8E-12	2.7E-01	1.3E-07	1.0E-03	3.7E-11	1.6E-01	3.8E-02	2.3E-13	9.25062E-07
1.0E-03	6.8E-10	1.6E-01	3.8E-02	4.1E-12	2.7E-01	1.3E-07	1.0E-03	3.7E-11	1.6E-01	3.8E-02	2.2E-13	1.00895E-06
1.0E-03	7.3E-10	1.6E-01	3.8E-02	4.4E-12	2.6E-01	1.3E-07	1.0E-03	3.6E-11	1.6E-01	3.8E-02	2.2E-13	1.06856E-06
1.0E-03	7.5E-10	1.6E-01	3.8E-02	4.5E-12	2.5E-01	1.3E-07	1.0E-03	3.5E-11	1.6E-01	3.8E-02	2.1E-13	1.09715E-06
1.0E-03	7.5E-10	1.6E-01	3.8E-02	4.5E-12	2.4E-01	1.3E-07	1.0E-03	3.4E-11	1.6E-01	3.8E-02	2.0E-13	1.0927E-06
1.0E-03	7.2E-10	1.6E-01	3.8E-02	4.4E-12	2.3E-01	1.3E-07	1.0E-03	3.2E-11	1.6E-01	3.8E-02	1.9E-13	1.06151E-06
1.0E-03	6.9E-10	1.6E-01	3.8E-02	4.1E-12	2.2E-01	1.3E-07	1.0E-03	3.1E-11	1.6E-01	3.8E-02	1.8E-13	1.00787E-06
1.0E-03	6.4E-10	1.6E-01	3.8E-02	3.9E-12	2.1E-01	1.3E-07	1.0E-03	2.9E-11	1.6E-01	3.8E-02	1.7E-13	9.37988E-07
1.0E-03	5.9E-10	1.6E-01	3.8E-02	3.5E-12	1.9E-01	1.3E-07	1.0E-03	2.7E-11	1.6E-01	3.8E-02	1.6E-13	8.58881E-07
1.0E-03	5.2E-10	1.6E-01	3.8E-02	3.1E-12	1.8E-01	1.3E-07	1.0E-03	2.5E-11	1.6E-01	3.8E-02	1.5E-13	7.63976E-07
1.0E-03	4.4E-10	1.6E-01	3.8E-02	2.7E-12	1.6E-01	1.3E-07	1.0E-03	2.2E-11	1.6E-01	3.8E-02	1.3E-13	6.49083E-07
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1.0E-03	3.2E-10	1.6E-01	3.8E-02	2.0E-12	2.2E-01	1.3E-07	1.0E-03	3.0E-11	1.6E-01	3.8E-02	1.8E-13	4.90022E-07
1.0E-03	3.7E-10	1.6E-01	3.8E-02	2.2E-12	2.3E-01	1.3E-07	1.0E-03	3.1E-11	1.6E-01	3.8E-02	1.9E-13	5.54632E-07
1.0E-03	4.2E-10	1.6E-01	3.8E-02	2.5E-12	2.3E-01	1.3E-07	1.0E-03	3.2E-11	1.6E-01	3.8E-02	1.9E-13	6.26383E-07
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1.0E-03	6.0E-10	1.6E-01	3.8E-02	3.6E-12	2.3E-01	1.3E-07	1.0E-03	3.2E-11	1.6E-01	3.8E-02	1.9E-13	8.79394E-07
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1.0E-03	6.2E-10	1.6E-01	3.8E-02	3.7E-12	2.2E-01	1.3E-07	1.0E-03	3.0E-11	1.6E-01	3.8E-02	1.8E-13	9.04115E-07
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1.0E-03	5.8E-10	1.6E-01	3.8E-02	3.5E-12	2.0E-01	1.3E-07	1.0E-03	2.8E-11	1.6E-01	3.8E-02	1.7E-13	8.51794E-07
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1.0E-03	4.6E-10	1.6E-01	3.8E-02	2.8E-12	1.7E-01	1.3E-07	1.0E-03	2.3E-11	1.6E-01	3.8E-02	1.4E-13	6.8351E-07
1.0E-03	4.0E-10	1.6E-01	3.8E-02	2.4E-12	1.5E-01	1.3E-07	1.0E-03	2.1E-11	1.6E-01	3.8E-02	1.3E-13	5.91299E-07
1.0E-03	1.8E-08	1.6E-01	3.8E-02	1.1E-10	2.2E+00	1.3E-07	1.0E-03	3.0E-10	1.6E-01	3.8E-02	1.8E-12	2.62779E-05
1.0E-03	2.4E-08	1.6E-01	3.8E-02	1.4E-10	2.2E+00	1.3E-07	1.0E-03	3.0E-10	1.6E-01	3.8E-02	1.8E-12	3.38107E-05
1.0E-03	3.1E-08	1.6E-01	3.8E-02	1.9E-10	2.1E+00	1.3E-07	1.0E-03	2.9E-10	1.6E-01	3.8E-02	1.8E-12	4.43593E-05
1.0E-03	4.1E-08	1.6E-01	3.8E-02	2.5E-10	2.1E+00	1.3E-07	1.0E-03	2.8E-10	1.6E-01	3.8E-02	1.7E-12	5.87646E-05
1.0E-03	5.5E-08	1.6E-01	3.8E-02	3.3E-10	2.0E+00	1.3E-07	1.0E-03	2.8E-10	1.6E-01	3.8E-02	1.7E-12	7.80844E-05
1.0E-03	6.9E-08	1.6E-01	3.8E-02	4.2E-10	1.9E+00	1.3E-07	1.0E-03	2.7E-10	1.6E-01	3.8E-02	1.6E-12	9.87621E-05
1.0E-03	8.1E-08	1.6E-01	3.8E-02	4.9E-10	1.9E+00	1.3E-07	1.0E-03	2.6E-10	1.6E-01	3.8E-02	1.6E-12	0.000115562
1.0E-03	8.8E-08	1.6E-01	3.8E-02	5.3E-10	1.8E+00	1.3E-07	1.0E-03	2.5E-10	1.6E-01	3.8E-02	1.5E-12	0.000124983
1.0E-03	9.0E-08	1.6E-01	3.8E-02	5.4E-10	1.7E+00	1.3E-07	1.0E-03	2.4E-10	1.6E-01	3.8E-02	1.5E-12	0.000128266
1.0E-03	8.7E-08	1.6E-01	3.8E-02	5.3E-10	1.7E+00	1.3E-07	1.0E-03	2.3E-10	1.6E-01	3.8E-02	1.4E-12	0.000124192
1.0E-03	7.8E-08	1.6E-01	3.8E-02	4.7E-10	1.6E+00	1.3E-07	1.0E-03	2.2E-10	1.6E-01	3.8E-02	1.3E-12	0.000111229
1.0E-03	6.6E-08	1.6E-01	3.8E-02	4.0E-10	1.5E+00	1.3E-07	1.0E-03	2.1E-10	1.6E-01	3.8E-02	1.3E-12	9.42773E-05
1.0E-03	5.4E-08	1.6E-01	3.8E-02	3.3E-10	1.5E+00	1.3E-07	1.0E-03	2.0E-10	1.6E-01	3.8E-02	1.2E-12	7.76716E-05
1.0E-03	4.5E-08	1.6E-01	3.8E-02	2.7E-10	1.4E+00	1.3E-07	1.0E-03	2.0E-10	1.6E-01	3.8E-02	1.2E-12	6.37009E-05
1.0E-03	3.7E-08	1.6E-01	3.8E-02	2.2E-10	1.3E+00	1.3E-07	1.0E-03	1.9E-10	1.6E-01	3.8E-02	1.1E-12	5.25035E-05
1.0E-03	3.1E-08	1.6E-01	3.8E-02	1.9E-10	1.3E+00	1.3E-07	1.0E-03	1.8E-10	1.6E-01	3.8E-02	1.1E-12	4.38567E-05

1.0E-03	2.6E-08	1.6E-01	3.8E-02	1.6E-10	1.2E+00	1.3E-07	1.0E-03	1.7E-10	1.6E-01	3.8E-02	1.0E-12	3.69278E-05
1.0E-03	2.2E-08	1.6E-01	3.8E-02	1.3E-10	1.2E+00	1.3E-07	1.0E-03	1.6E-10	1.6E-01	3.8E-02	9.7E-13	3.1359E-05
1.0E-03	1.9E-08	1.6E-01	3.8E-02	1.1E-10	1.1E+00	1.3E-07	1.0E-03	1.5E-10	1.6E-01	3.8E-02	9.3E-13	2.68564E-05
1.0E-03	1.6E-08	1.6E-01	3.8E-02	9.8E-11	1.1E+00	1.3E-07	1.0E-03	1.5E-10	1.6E-01	3.8E-02	8.8E-13	2.32038E-05
1.0E-03	1.4E-08	1.6E-01	3.8E-02	8.5E-11	1.0E+00	1.3E-07	1.0E-03	1.4E-10	1.6E-01	3.8E-02	8.4E-13	2.01823E-05
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1.0E-03	1.1E-08	1.6E-01	3.8E-02	6.6E-11	9.1E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	3.8E-02	7.6E-13	1.56104E-05
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1.0E-03	2.8E-08	1.6E-01	3.8E-02	1.7E-10	2.0E+00	1.3E-07	1.0E-03	2.8E-10	1.6E-01	3.8E-02	1.7E-12	4.00458E-05
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1.0E-03	6.0E-08	1.6E-01	3.8E-02	3.6E-10	1.7E+00	1.3E-07	1.0E-03	2.4E-10	1.6E-01	3.8E-02	1.4E-12	8.51126E-05
1.0E-03	6.1E-08	1.6E-01	3.8E-02	3.7E-10	1.6E+00	1.3E-07	1.0E-03	2.3E-10	1.6E-01	3.8E-02	1.4E-12	8.69161E-05
1.0E-03	4.5E-08	1.6E-01	3.8E-02	2.7E-10	1.6E+00	1.3E-07	1.0E-03	2.2E-10	1.6E-01	3.8E-02	1.3E-12	6.42308E-05
1.0E-03	3.4E-08	1.6E-01	3.8E-02	2.0E-10	1.5E+00	1.3E-07	1.0E-03	2.1E-10	1.6E-01	3.8E-02	1.3E-12	4.85345E-05
1.0E-03	8.8E-08	1.6E-01	3.8E-02	5.3E-10	1.5E+00	1.3E-07	1.0E-03	2.0E-10	1.6E-01	3.8E-02	1.2E-12	0.000125449
1.0E-03	6.7E-08	1.6E-01	3.8E-02	4.0E-10	1.4E+00	1.3E-07	1.0E-03	1.9E-10	1.6E-01	3.8E-02	1.2E-12	9.49668E-05
1.0E-03	5.2E-08	1.6E-01	3.8E-02	3.1E-10	1.3E+00	1.3E-07	1.0E-03	1.9E-10	1.6E-01	3.8E-02	1.1E-12	7.34793E-05
1.0E-03	4.1E-08	1.6E-01	3.8E-02	2.5E-10	1.3E+00	1.3E-07	1.0E-03	1.8E-10	1.6E-01	3.8E-02	1.1E-12	5.80895E-05
1.0E-03	3.3E-08	1.6E-01	3.8E-02	2.0E-10	1.2E+00	1.3E-07	1.0E-03	1.7E-10	1.6E-01	3.8E-02	1.0E-12	4.71273E-05
1.0E-03	2.7E-08	1.6E-01	3.8E-02	1.6E-10	1.2E+00	1.3E-07	1.0E-03	1.6E-10	1.6E-01	3.8E-02	9.8E-13	3.88537E-05
1.0E-03	2.3E-08	1.6E-01	3.8E-02	1.4E-10	1.1E+00	1.3E-07	1.0E-03	1.6E-10	1.6E-01	3.8E-02	9.3E-13	3.24757E-05
1.0E-03	1.9E-08	1.6E-01	3.8E-02	1.2E-10	1.1E+00	1.3E-07	1.0E-03	1.5E-10	1.6E-01	3.8E-02	8.9E-13	2.74659E-05
1.0E-03	1.6E-08	1.6E-01	3.8E-02	9.9E-11	1.0E+00	1.3E-07	1.0E-03	1.4E-10	1.6E-01	3.8E-02	8.5E-13	2.34857E-05
1.0E-03	1.4E-08	1.6E-01	3.8E-02	8.5E-11	9.7E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	3.8E-02	8.1E-13	2.02576E-05
1.0E-03	1.2E-08	1.6E-01	3.8E-02	7.4E-11	9.2E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	3.8E-02	7.7E-13	1.76228E-05
1.0E-03	1.1E-08	1.6E-01	3.8E-02	6.5E-11	8.8E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	3.8E-02	7.4E-13	1.55148E-05
1.0E-03	9.6E-09	1.6E-01	3.8E-02	5.8E-11	8.4E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	3.8E-02	7.0E-13	1.37345E-05
1.0E-03	8.5E-09	1.6E-01	3.8E-02	5.1E-11	8.0E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.7E-13	1.22291E-05
1.0E-03	7.6E-09	1.6E-01	3.8E-02	4.6E-11	7.7E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.4E-13	1.09596E-05
1.0E-03	2.3E-08	1.6E-01	3.8E-02	1.4E-10	1.9E+00	1.3E-07	1.0E-03	2.6E-10	1.6E-01	3.8E-02	1.6E-12	3.31064E-05
1.0E-03	3.2E-08	1.6E-01	3.8E-02	1.9E-10	1.9E+00	1.3E-07	1.0E-03	2.6E-10	1.6E-01	3.8E-02	1.6E-12	4.5931E-05
1.0E-03	4.7E-08	1.6E-01	3.8E-02	2.8E-10	1.8E+00	1.3E-07	1.0E-03	2.5E-10	1.6E-01	3.8E-02	1.5E-12	6.71468E-05
1.0E-03	7.3E-08	1.6E-01	3.8E-02	4.4E-10	1.8E+00	1.3E-07	1.0E-03	2.5E-10	1.6E-01	3.8E-02	1.5E-12	0.000104053
1.0E-03	2.3E-08	1.6E-01	3.8E-02	1.4E-10	1.7E+00	1.3E-07	1.0E-03	2.4E-10	1.6E-01	3.8E-02	1.5E-12	3.3066E-05
1.0E-03	3.5E-08	1.6E-01	3.8E-02	2.1E-10	1.7E+00	1.3E-07	1.0E-03	2.4E-10	1.6E-01	3.8E-02	1.4E-12	5.00657E-05
1.0E-03	5.6E-08	1.6E-01	3.8E-02	3.4E-10	1.7E+00	1.3E-07	1.0E-03	2.3E-10	1.6E-01	3.8E-02	1.4E-12	8.00146E-05
1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.6E+00	1.3E-07	1.0E-03	2.2E-10	1.6E-01	3.8E-02	1.3E-12	9.13472E-06
1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.6E+00	1.3E-07	1.0E-03	2.1E-10	1.6E-01	3.8E-02	1.3E-12	7.78658E-06
1.0E-03	5.6E-08	1.6E-01	3.8E-02	3.4E-10	1.5E+00	1.3E-07	1.0E-03	2.1E-10	1.6E-01	3.8E-02	1.2E-12	7.97013E-05
1.0E-03	3.9E-08	1.6E-01	3.8E-02	2.3E-10	1.4E+00	1.3E-07	1.0E-03	2.0E-10	1.6E-01	3.8E-02	1.2E-12	5.54378E-05
1.0E-03	2.9E-08	1.6E-01	3.8E-02	1.7E-10	1.4E+00	1.3E-07	1.0E-03	1.9E-10	1.6E-01	3.8E-02	1.2E-12	4.1249E-05
1.0E-03	7.9E-08	1.6E-01	3.8E-02	4.8E-10	1.3E+00	1.3E-07	1.0E-03	1.8E-10	1.6E-01	3.8E-02	1.1E-12	0.000112782

1.0E-03	5.7E-08	1.6E-01	3.8E-02	3.4E-10	1.3E+00	1.3E-07	1.0E-03	1.8E-10	1.6E-01	3.8E-02	1.1E-12	8.15594E-05
1.0E-03	4.3E-08	1.6E-01	3.8E-02	2.6E-10	1.2E+00	1.3E-07	1.0E-03	1.7E-10	1.6E-01	3.8E-02	1.0E-12	6.20195E-05
1.0E-03	3.4E-08	1.6E-01	3.8E-02	2.1E-10	1.2E+00	1.3E-07	1.0E-03	1.6E-10	1.6E-01	3.8E-02	9.8E-13	4.90744E-05
1.0E-03	2.8E-08	1.6E-01	3.8E-02	1.7E-10	1.1E+00	1.3E-07	1.0E-03	1.6E-10	1.6E-01	3.8E-02	9.4E-13	3.97806E-05
1.0E-03	2.3E-08	1.6E-01	3.8E-02	1.4E-10	1.1E+00	1.3E-07	1.0E-03	1.5E-10	1.6E-01	3.8E-02	9.0E-13	3.28211E-05
1.0E-03	1.9E-08	1.6E-01	3.8E-02	1.2E-10	1.0E+00	1.3E-07	1.0E-03	1.4E-10	1.6E-01	3.8E-02	8.6E-13	2.74923E-05
1.0E-03	1.6E-08	1.6E-01	3.8E-02	9.8E-11	9.8E-01	1.3E-07	1.0E-03	1.4E-10	1.6E-01	3.8E-02	8.2E-13	2.3329E-05
1.0E-03	1.4E-08	1.6E-01	3.8E-02	8.4E-11	9.4E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	3.8E-02	7.8E-13	2.00106E-05
1.0E-03	1.2E-08	1.6E-01	3.8E-02	7.3E-11	9.0E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	3.8E-02	7.5E-13	1.73594E-05
1.0E-03	1.1E-08	1.6E-01	3.8E-02	6.4E-11	8.6E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	3.8E-02	7.1E-13	1.52247E-05
1.0E-03	9.4E-09	1.6E-01	3.8E-02	5.6E-11	8.2E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.8E-13	1.34428E-05
1.0E-03	8.3E-09	1.6E-01	3.8E-02	5.0E-11	7.8E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.5E-13	1.19485E-05
1.0E-03	7.4E-09	1.6E-01	3.8E-02	4.5E-11	7.5E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	3.8E-02	6.2E-13	1.06925E-05
1.0E-03	2.4E-08	1.6E-01	3.8E-02	1.5E-10	1.8E+00	1.3E-07	1.0E-03	2.5E-10	1.6E-01	3.8E-02	1.5E-12	3.49956E-05
1.0E-03	3.5E-08	1.6E-01	3.8E-02	2.1E-10	1.8E+00	1.3E-07	1.0E-03	2.4E-10	1.6E-01	3.8E-02	1.5E-12	4.98687E-05
1.0E-03	5.3E-08	1.6E-01	3.8E-02	3.2E-10	1.7E+00	1.3E-07	1.0E-03	2.4E-10	1.6E-01	3.8E-02	1.4E-12	7.57982E-05
1.0E-03	1.7E-08	1.6E-01	3.8E-02	1.0E-10	1.7E+00	1.3E-07	1.0E-03	2.3E-10	1.6E-01	3.8E-02	1.4E-12	2.72915E-05
1.0E-03	2.5E-08	1.6E-01	3.8E-02	1.5E-10	1.6E+00	1.3E-07	1.0E-03	2.3E-10	1.6E-01	3.8E-02	1.4E-12	3.6329E-05
1.0E-03	4.0E-08	1.6E-01	3.8E-02	2.4E-10	1.6E+00	1.3E-07	1.0E-03	2.2E-10	1.6E-01	3.8E-02	1.3E-12	5.72725E-05
1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.6E+00	1.3E-07	1.0E-03	2.2E-10	1.6E-01	3.8E-02	1.3E-12	5.10499E-06
1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.5E+00	1.3E-07	1.0E-03	2.1E-10	1.6E-01	3.8E-02	1.3E-12	1.312E-05
1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.5E+00	1.3E-07	1.0E-03	2.0E-10	1.6E-01	3.8E-02	1.2E-12	1.00391E-05
1.0E-03	6.4E-08	1.6E-01	3.8E-02	3.8E-10	1.4E+00	1.3E-07	1.0E-03	2.0E-10	1.6E-01	3.8E-02	1.2E-12	9.09584E-05
1.0E-03	4.1E-08	1.6E-01	3.8E-02	2.5E-10	1.4E+00	1.3E-07	1.0E-03	1.9E-10	1.6E-01	3.8E-02	1.1E-12	5.91379E-05
1.0E-03	3.0E-08	1.6E-01	3.8E-02	1.8E-10	1.3E+00	1.3E-07	1.0E-03	1.8E-10	1.6E-01	3.8E-02	1.1E-12	4.25102E-05
1.0E-03	8.8E-08	1.6E-01	3.8E-02	5.3E-10	1.3E+00	1.3E-07	1.0E-03	1.8E-10	1.6E-01	3.8E-02	1.1E-12	0.000124998
1.0E-03	6.0E-08	1.6E-01	3.8E-02	3.6E-10	1.2E+00	1.3E-07	1.0E-03	1.7E-10	1.6E-01	3.8E-02	1.0E-12	8.52956E-05
1.0E-03	4.4E-08	1.6E-01	3.8E-02	2.7E-10	1.2E+00	1.3E-07	1.0E-03	1.6E-10	1.6E-01	3.8E-02	9.8E-13	6.31936E-05
1.0E-03	3.4E-08	1.6E-01	3.8E-02	2.1E-10	1.1E+00	1.3E-07	1.0E-03	1.6E-10	1.6E-01	3.8E-02	9.4E-13	4.91807E-05
1.0E-03	2.8E-08	1.6E-01	3.8E-02	1.7E-10	1.1E+00	1.3E-07	1.0E-03	1.5E-10	1.6E-01	3.8E-02	9.0E-13	3.94553E-05
1.0E-03	2.3E-08	1.6E-01	3.8E-02	1.4E-10	1.0E+00	1.3E-07	1.0E-03	1.4E-10	1.6E-01	3.8E-02	8.6E-13	3.23035E-05
1.0E-03	1.9E-08	1.6E-01	3.8E-02	1.1E-10	9.9E-01	1.3E-07	1.0E-03	1.4E-10	1.6E-01	3.8E-02	8.3E-13	2.6925E-05
1.0E-03	1.6E-08	1.6E-01	3.8E-02	9.6E-11	9.5E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	3.8E-02	7.9E-13	2.27697E-05
1.0E-03	1.4E-08	1.6E-01	3.8E-02	8.2E-11	9.1E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	3.8E-02	7.6E-13	1.94795E-05
1.0E-03	1.2E-08	1.6E-01	3.8E-02	7.1E-11	8.7E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	3.8E-02	7.2E-13	1.68808E-05
1.0E-03	1.0E-08	1.6E-01	3.8E-02	6.2E-11	8.3E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.9E-13	1.47666E-05
1.0E-03	9.1E-09	1.6E-01	3.8E-02	5.5E-11	7.9E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.6E-13	1.30215E-05
1.0E-03	8.1E-09	1.6E-01	3.8E-02	4.9E-11	7.6E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.3E-13	1.15685E-05
1.0E-03	7.2E-09	1.6E-01	3.8E-02	4.3E-11	7.3E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	3.8E-02	6.1E-13	1.03469E-05
1.0E-03	2.4E-08	1.6E-01	3.8E-02	1.5E-10	1.7E+00	1.3E-07	1.0E-03	2.3E-10	1.6E-01	3.8E-02	1.4E-12	3.50707E-05
1.0E-03	3.5E-08	1.6E-01	3.8E-02	2.1E-10	1.6E+00	1.3E-07	1.0E-03	2.3E-10	1.6E-01	3.8E-02	1.4E-12	5.02127E-05
1.0E-03	5.4E-08	1.6E-01	3.8E-02	3.2E-10	1.6E+00	1.3E-07	1.0E-03	2.2E-10	1.6E-01	3.8E-02	1.3E-12	7.67099E-05
1.0E-03	1.7E-08	1.6E-01	3.8E-02	1.0E-10	1.6E+00	1.3E-07	1.0E-03	2.2E-10	1.6E-01	3.8E-02	1.3E-12	2.45763E-05
1.0E-03	2.6E-08	1.6E-01	3.8E-02	1.5E-10	1.5E+00	1.3E-07	1.0E-03	2.1E-10	1.6E-01	3.8E-02	1.3E-12	3.66255E-05
1.0E-03	2.6E-08	1.6E-01	3.8E-02	1.6E-10	1.0E+00	1.3E-07	1.0E-03	1.4E-10	1.6E-01	3.8E-02	8.7E-13	3.78245E-05
1.0E-03	2.2E-08	1.6E-01	3.8E-02	1.3E-10	1.0E+00	1.3E-07	1.0E-03	1.4E-10	1.6E-01	3.8E-02	8.3E-13	3.09712E-05
1.0E-03	1.8E-08	1.6E-01	3.8E-02	1.1E-10	9.5E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	3.8E-02	8.0E-13	2.58044E-05
1.0E-03	1.5E-08	1.6E-01	3.8E-02	9.2E-11	9.2E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	3.8E-02	7.6E-13	2.18206E-05
1.0E-03	1.3E-08	1.6E-01	3.8E-02	7.9E-11	8.8E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	3.8E-02	7.3E-13	1.86908E-05

1.0E-03	1.1E-08	1.6E-01	3.8E-02	6.8E-11	8.4E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	3.8E-02	7.0E-13	1.61895E-05
1.0E-03	9.9E-09	1.6E-01	3.8E-02	6.0E-11	8.1E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.7E-13	1.41586E-05
1.0E-03	8.7E-09	1.6E-01	3.8E-02	5.2E-11	7.7E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.4E-13	1.24913E-05
1.0E-03	7.7E-09	1.6E-01	3.8E-02	4.7E-11	7.4E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	3.8E-02	6.2E-13	1.11045E-05
1.0E-03	6.9E-09	1.6E-01	3.8E-02	4.2E-11	7.1E-01	1.3E-07	1.0E-03	9.8E-11	1.6E-01	3.8E-02	5.9E-13	9.9351E-06
1.0E-03	2.3E-08	1.6E-01	3.8E-02	1.4E-10	1.6E+00	1.3E-07	1.0E-03	2.2E-10	1.6E-01	3.8E-02	1.3E-12	3.35204E-05
1.0E-03	3.3E-08	1.6E-01	3.8E-02	2.0E-10	1.5E+00	1.3E-07	1.0E-03	2.1E-10	1.6E-01	3.8E-02	1.3E-12	4.69388E-05
1.0E-03	4.9E-08	1.6E-01	3.8E-02	2.9E-10	1.5E+00	1.3E-07	1.0E-03	2.1E-10	1.6E-01	3.8E-02	1.3E-12	6.93871E-05
1.0E-03	1.6E-08	1.6E-01	3.8E-02	9.7E-11	1.5E+00	1.3E-07	1.0E-03	2.1E-10	1.6E-01	3.8E-02	1.2E-12	2.35802E-05
1.0E-03	2.4E-08	1.6E-01	3.8E-02	1.4E-10	1.5E+00	1.3E-07	1.0E-03	2.0E-10	1.6E-01	3.8E-02	1.2E-12	3.38955E-05
1.0E-03	2.5E-08	1.6E-01	3.8E-02	1.5E-10	1.0E+00	1.3E-07	1.0E-03	1.4E-10	1.6E-01	3.8E-02	8.3E-13	3.51373E-05
1.0E-03	2.0E-08	1.6E-01	3.8E-02	1.2E-10	9.6E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	3.8E-02	8.0E-13	2.89529E-05
1.0E-03	1.7E-08	1.6E-01	3.8E-02	1.0E-10	9.2E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	3.8E-02	7.7E-13	2.42336E-05
1.0E-03	1.4E-08	1.6E-01	3.8E-02	8.7E-11	8.8E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	3.8E-02	7.4E-13	2.05672E-05
1.0E-03	1.2E-08	1.6E-01	3.8E-02	7.4E-11	8.5E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	3.8E-02	7.1E-13	1.76639E-05
1.0E-03	1.1E-08	1.6E-01	3.8E-02	6.5E-11	8.1E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.8E-13	1.53427E-05
1.0E-03	9.4E-09	1.6E-01	3.8E-02	5.6E-11	7.8E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.5E-13	1.34366E-05
1.0E-03	8.3E-09	1.6E-01	3.8E-02	5.0E-11	7.5E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	3.8E-02	6.3E-13	1.18693E-05
1.0E-03	7.4E-09	1.6E-01	3.8E-02	4.4E-11	7.2E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	3.8E-02	6.0E-13	1.05712E-05
1.0E-03	6.6E-09	1.6E-01	3.8E-02	4.0E-11	6.9E-01	1.3E-07	1.0E-03	9.6E-11	1.6E-01	3.8E-02	5.8E-13	9.47009E-06
1.0E-03	2.1E-08	1.6E-01	3.8E-02	1.3E-10	1.5E+00	1.3E-07	1.0E-03	2.0E-10	1.6E-01	3.8E-02	1.2E-12	3.04225E-05
1.0E-03	2.8E-08	1.6E-01	3.8E-02	1.7E-10	1.5E+00	1.3E-07	1.0E-03	2.0E-10	1.6E-01	3.8E-02	1.2E-12	4.06859E-05
1.0E-03	4.0E-08	1.6E-01	3.8E-02	2.4E-10	1.4E+00	1.3E-07	1.0E-03	2.0E-10	1.6E-01	3.8E-02	1.2E-12	5.69846E-05
1.0E-03	5.8E-08	1.6E-01	3.8E-02	3.5E-10	1.4E+00	1.3E-07	1.0E-03	1.9E-10	1.6E-01	3.8E-02	1.2E-12	8.2406E-05
1.0E-03	2.0E-08	1.6E-01	3.8E-02	1.2E-10	1.4E+00	1.3E-07	1.0E-03	1.9E-10	1.6E-01	3.8E-02	1.1E-12	2.82618E-05
1.0E-03	2.2E-08	1.6E-01	3.8E-02	1.3E-10	9.6E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	3.8E-02	8.0E-13	3.18061E-05
1.0E-03	1.9E-08	1.6E-01	3.8E-02	1.1E-10	9.2E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	3.8E-02	7.7E-13	2.65266E-05
1.0E-03	1.6E-08	1.6E-01	3.8E-02	9.4E-11	8.9E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	3.8E-02	7.4E-13	2.23978E-05
1.0E-03	1.3E-08	1.6E-01	3.8E-02	8.1E-11	8.5E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	3.8E-02	7.1E-13	1.91357E-05
1.0E-03	1.2E-08	1.6E-01	3.8E-02	7.0E-11	8.2E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.9E-13	1.65212E-05
1.0E-03	1.0E-08	1.6E-01	3.8E-02	6.1E-11	7.9E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.6E-13	1.44213E-05
1.0E-03	8.8E-09	1.6E-01	3.8E-02	5.3E-11	7.6E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.3E-13	1.26696E-05
1.0E-03	7.8E-09	1.6E-01	3.8E-02	4.7E-11	7.3E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	3.8E-02	6.1E-13	1.11954E-05
1.0E-03	7.0E-09	1.6E-01	3.8E-02	4.2E-11	7.0E-01	1.3E-07	1.0E-03	9.7E-11	1.6E-01	3.8E-02	5.8E-13	9.99845E-06
1.0E-03	6.2E-09	1.6E-01	3.8E-02	3.8E-11	6.7E-01	1.3E-07	1.0E-03	9.3E-11	1.6E-01	3.8E-02	5.6E-13	8.98196E-06
1.0E-03	1.9E-08	1.6E-01	3.8E-02	1.1E-10	1.4E+00	1.3E-07	1.0E-03	1.9E-10	1.6E-01	3.8E-02	1.2E-12	2.68228E-05
1.0E-03	2.4E-08	1.6E-01	3.8E-02	1.5E-10	1.4E+00	1.3E-07	1.0E-03	1.9E-10	1.6E-01	3.8E-02	1.1E-12	3.44586E-05
1.0E-03	3.2E-08	1.6E-01	3.8E-02	1.9E-10	1.4E+00	1.3E-07	1.0E-03	1.9E-10	1.6E-01	3.8E-02	1.1E-12	4.54696E-05
1.0E-03	4.2E-08	1.6E-01	3.8E-02	2.6E-10	1.3E+00	1.3E-07	1.0E-03	1.8E-10	1.6E-01	3.8E-02	1.1E-12	6.0452E-05
1.0E-03	5.6E-08	1.6E-01	3.8E-02	3.4E-10	1.3E+00	1.3E-07	1.0E-03	1.8E-10	1.6E-01	3.8E-02	1.1E-12	8.02866E-05
1.0E-03	2.0E-08	1.6E-01	3.8E-02	1.2E-10	9.2E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	3.8E-02	7.7E-13	2.8206E-05
1.0E-03	1.7E-08	1.6E-01	3.8E-02	1.0E-10	8.9E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	3.8E-02	7.4E-13	2.39169E-05
1.0E-03	1.4E-08	1.6E-01	3.8E-02	8.6E-11	8.6E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	3.8E-02	7.2E-13	2.04255E-05
1.0E-03	1.2E-08	1.6E-01	3.8E-02	7.4E-11	8.3E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.9E-13	1.76125E-05
1.0E-03	1.1E-08	1.6E-01	3.8E-02	6.4E-11	8.0E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.6E-13	1.53304E-05
1.0E-03	9.4E-09	1.6E-01	3.8E-02	5.7E-11	7.7E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.4E-13	1.3445E-05
1.0E-03	8.3E-09	1.6E-01	3.8E-02	5.0E-11	7.4E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	3.8E-02	6.1E-13	1.18762E-05
1.0E-03	7.3E-09	1.6E-01	3.8E-02	4.4E-11	7.1E-01	1.3E-07	1.0E-03	9.8E-11	1.6E-01	3.8E-02	5.9E-13	1.05261E-05
1.0E-03	6.6E-09	1.6E-01	3.8E-02	4.0E-11	6.8E-01	1.3E-07	1.0E-03	9.4E-11	1.6E-01	3.8E-02	5.7E-13	9.42083E-06

1.0E-03	5.9E-09	1.6E-01	3.8E-02	3.6E-11	6.6E-01	1.3E-07	1.0E-03	9.1E-11	1.6E-01	3.8E-02	5.5E-13	8.49106E-06
1.0E-03	1.6E-08	1.6E-01	3.8E-02	9.7E-11	1.3E+00	1.3E-07	1.0E-03	1.8E-10	1.6E-01	3.8E-02	1.1E-12	2.31096E-05
1.0E-03	2.0E-08	1.6E-01	3.8E-02	1.2E-10	1.3E+00	1.3E-07	1.0E-03	1.8E-10	1.6E-01	3.8E-02	1.1E-12	2.86524E-05
1.0E-03	2.5E-08	1.6E-01	3.8E-02	1.5E-10	1.3E+00	1.3E-07	1.0E-03	1.8E-10	1.6E-01	3.8E-02	1.1E-12	3.83426E-05
1.0E-03	3.1E-08	1.6E-01	3.8E-02	1.9E-10	1.3E+00	1.3E-07	1.0E-03	1.7E-10	1.6E-01	3.8E-02	1.1E-12	4.49004E-05
1.0E-03	3.9E-08	1.6E-01	3.8E-02	2.4E-10	1.2E+00	1.3E-07	1.0E-03	1.7E-10	1.6E-01	3.8E-02	1.0E-12	5.59976E-05
1.0E-03	1.7E-08	1.6E-01	3.8E-02	1.0E-10	8.9E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	3.8E-02	7.4E-13	2.47668E-05
1.0E-03	1.5E-08	1.6E-01	3.8E-02	9.0E-11	8.6E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	3.8E-02	7.2E-13	2.13656E-05
1.0E-03	1.3E-08	1.6E-01	3.8E-02	7.8E-11	8.3E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.9E-13	1.84808E-05
1.0E-03	1.1E-08	1.6E-01	3.8E-02	6.8E-11	8.0E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.7E-13	1.61048E-05
1.0E-03	9.9E-09	1.6E-01	3.8E-02	5.9E-11	7.7E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.4E-13	1.41307E-05
1.0E-03	8.7E-09	1.6E-01	3.8E-02	5.2E-11	7.4E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	3.8E-02	6.2E-13	1.24732E-05
1.0E-03	7.7E-09	1.6E-01	3.8E-02	4.7E-11	7.2E-01	1.3E-07	1.0E-03	9.9E-11	1.6E-01	3.8E-02	6.0E-13	1.10911E-05
1.0E-03	6.9E-09	1.6E-01	3.8E-02	4.2E-11	6.9E-01	1.3E-07	1.0E-03	9.5E-11	1.6E-01	3.8E-02	5.8E-13	9.89061E-06
1.0E-03	6.2E-09	1.6E-01	3.8E-02	3.7E-11	6.6E-01	1.3E-07	1.0E-03	9.2E-11	1.6E-01	3.8E-02	5.5E-13	8.86626E-06
1.0E-03	5.6E-09	1.6E-01	3.8E-02	3.4E-11	6.4E-01	1.3E-07	1.0E-03	8.9E-11	1.6E-01	3.8E-02	5.3E-13	8.00901E-06
1.0E-03	1.4E-08	1.6E-01	3.8E-02	8.3E-11	1.2E+00	1.3E-07	1.0E-03	1.7E-10	1.6E-01	3.8E-02	1.0E-12	1.97211E-05
1.0E-03	1.7E-08	1.6E-01	3.8E-02	1.0E-10	1.2E+00	1.3E-07	1.0E-03	1.7E-10	1.6E-01	3.8E-02	1.0E-12	2.45115E-05
1.0E-03	2.0E-08	1.6E-01	3.8E-02	1.2E-10	1.2E+00	1.3E-07	1.0E-03	1.7E-10	1.6E-01	3.8E-02	1.0E-12	3.2783E-05
1.0E-03	2.4E-08	1.6E-01	3.8E-02	1.5E-10	1.2E+00	1.3E-07	1.0E-03	1.7E-10	1.6E-01	3.8E-02	1.0E-12	3.4685E-05
1.0E-03	2.9E-08	1.6E-01	3.8E-02	1.7E-10	1.2E+00	1.3E-07	1.0E-03	1.6E-10	1.6E-01	3.8E-02	9.8E-13	4.13367E-05
1.0E-03	1.5E-08	1.6E-01	3.8E-02	9.1E-11	8.5E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	3.8E-02	7.1E-13	2.16721E-05
1.0E-03	1.3E-08	1.6E-01	3.8E-02	8.0E-11	8.3E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.9E-13	1.8983E-05
1.0E-03	1.2E-08	1.6E-01	3.8E-02	7.0E-11	8.0E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.7E-13	1.66466E-05
1.0E-03	1.0E-08	1.6E-01	3.8E-02	6.2E-11	7.7E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.4E-13	1.46632E-05
1.0E-03	9.0E-09	1.6E-01	3.8E-02	5.5E-11	7.5E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	3.8E-02	6.2E-13	1.2975E-05
1.0E-03	8.0E-09	1.6E-01	3.8E-02	4.9E-11	7.2E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	3.8E-02	6.0E-13	1.15466E-05
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1.0E-03	6.5E-09	1.6E-01	3.8E-02	3.9E-11	6.7E-01	1.3E-07	1.0E-03	9.3E-11	1.6E-01	3.8E-02	5.6E-13	9.2774E-06
1.0E-03	5.8E-09	1.6E-01	3.8E-02	3.5E-11	6.5E-01	1.3E-07	1.0E-03	8.9E-11	1.6E-01	3.8E-02	5.4E-13	8.34501E-06
1.0E-03	5.3E-09	1.6E-01	3.8E-02	3.2E-11	6.2E-01	1.3E-07	1.0E-03	8.6E-11	1.6E-01	3.8E-02	5.2E-13	7.55582E-06
1.0E-03	1.2E-08	1.6E-01	3.8E-02	7.0E-11	1.2E+00	1.3E-07	1.0E-03	1.6E-10	1.6E-01	3.8E-02	9.9E-13	1.67846E-05
1.0E-03	1.4E-08	1.6E-01	3.8E-02	8.3E-11	1.2E+00	1.3E-07	1.0E-03	1.6E-10	1.6E-01	3.8E-02	9.8E-13	2.09096E-05
1.0E-03	1.6E-08	1.6E-01	3.8E-02	9.8E-11	1.2E+00	1.3E-07	1.0E-03	1.6E-10	1.6E-01	3.8E-02	9.6E-13	2.73092E-05
1.0E-03	1.9E-08	1.6E-01	3.8E-02	1.2E-10	1.1E+00	1.3E-07	1.0E-03	1.6E-10	1.6E-01	3.8E-02	9.5E-13	2.73141E-05
1.0E-03	2.2E-08	1.6E-01	3.8E-02	1.3E-10	1.1E+00	1.3E-07	1.0E-03	1.5E-10	1.6E-01	3.8E-02	9.3E-13	3.18378E-05
1.0E-03	1.3E-08	1.6E-01	3.8E-02	8.0E-11	8.2E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.9E-13	1.89974E-05
1.0E-03	1.2E-08	1.6E-01	3.8E-02	7.1E-11	8.0E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.7E-13	1.68666E-05
1.0E-03	1.0E-08	1.6E-01	3.8E-02	6.3E-11	7.7E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.4E-13	1.49732E-05
1.0E-03	9.3E-09	1.6E-01	3.8E-02	5.6E-11	7.5E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	3.8E-02	6.2E-13	1.33342E-05
1.0E-03	8.3E-09	1.6E-01	3.8E-02	5.0E-11	7.2E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	3.8E-02	6.0E-13	1.19085E-05
1.0E-03	7.4E-09	1.6E-01	3.8E-02	4.5E-11	7.0E-01	1.3E-07	1.0E-03	9.7E-11	1.6E-01	3.8E-02	5.8E-13	1.068E-05
1.0E-03	6.7E-09	1.6E-01	3.8E-02	4.0E-11	6.8E-01	1.3E-07	1.0E-03	9.3E-11	1.6E-01	3.8E-02	5.6E-13	9.61067E-06
1.0E-03	6.0E-09	1.6E-01	3.8E-02	3.6E-11	6.5E-01	1.3E-07	1.0E-03	9.0E-11	1.6E-01	3.8E-02	5.4E-13	8.68398E-06
1.0E-03	5.5E-09	1.6E-01	3.8E-02	3.3E-11	6.3E-01	1.3E-07	1.0E-03	8.7E-11	1.6E-01	3.8E-02	5.3E-13	7.87022E-06
1.0E-03	5.0E-09	1.6E-01	3.8E-02	3.0E-11	6.1E-01	1.3E-07	1.0E-03	8.4E-11	1.6E-01	3.8E-02	5.1E-13	7.14056E-06
1.0E-03	1.0E-08	1.6E-01	3.8E-02	6.0E-11	1.1E+00	1.3E-07	1.0E-03	1.6E-10	1.6E-01	3.8E-02	9.4E-13	1.43706E-05
1.0E-03	1.2E-08	1.6E-01	3.8E-02	7.0E-11	1.1E+00	1.3E-07	1.0E-03	1.5E-10	1.6E-01	3.8E-02	9.3E-13	1.76333E-05
1.0E-03	1.3E-08	1.6E-01	3.8E-02	8.1E-11	1.1E+00	1.3E-07	1.0E-03	1.5E-10	1.6E-01	3.8E-02	9.1E-13	2.23493E-05

1.0E-03	1.5E-08	1.6E-01	3.8E-02	9.3E-11	1.1E+00	1.3E-07	1.0E-03	1.5E-10	1.6E-01	3.8E-02	9.0E-13	2.21339E-05
1.0E-03	1.8E-08	1.6E-01	3.8E-02	1.1E-10	1.1E+00	1.3E-07	1.0E-03	1.5E-10	1.6E-01	3.8E-02	8.9E-13	2.52753E-05
1.0E-03	1.2E-08	1.6E-01	3.8E-02	7.0E-11	7.9E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.6E-13	1.67179E-05
1.0E-03	1.0E-08	1.6E-01	3.8E-02	6.3E-11	7.7E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.4E-13	1.50313E-05
1.0E-03	9.4E-09	1.6E-01	3.8E-02	5.7E-11	7.5E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	3.8E-02	6.2E-13	1.34952E-05
1.0E-03	8.5E-09	1.6E-01	3.8E-02	5.1E-11	7.2E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	3.8E-02	6.0E-13	1.2134E-05
1.0E-03	7.6E-09	1.6E-01	3.8E-02	4.6E-11	7.0E-01	1.3E-07	1.0E-03	9.7E-11	1.6E-01	3.8E-02	5.8E-13	1.09317E-05
1.0E-03	6.9E-09	1.6E-01	3.8E-02	4.1E-11	6.8E-01	1.3E-07	1.0E-03	9.4E-11	1.6E-01	3.8E-02	5.7E-13	9.87866E-06
1.0E-03	6.2E-09	1.6E-01	3.8E-02	3.7E-11	6.6E-01	1.3E-07	1.0E-03	9.1E-11	1.6E-01	3.8E-02	5.5E-13	8.932E-06
1.0E-03	5.6E-09	1.6E-01	3.8E-02	3.4E-11	6.3E-01	1.3E-07	1.0E-03	8.8E-11	1.6E-01	3.8E-02	5.3E-13	8.12086E-06
1.0E-03	5.1E-09	1.6E-01	3.8E-02	3.1E-11	6.1E-01	1.3E-07	1.0E-03	8.5E-11	1.6E-01	3.8E-02	5.1E-13	7.40752E-06
1.0E-03	4.7E-09	1.6E-01	3.8E-02	2.8E-11	5.9E-01	1.3E-07	1.0E-03	8.2E-11	1.6E-01	3.8E-02	4.9E-13	6.75364E-06
1.0E-03	8.7E-09	1.6E-01	3.8E-02	5.2E-11	1.1E+00	1.3E-07	1.0E-03	1.5E-10	1.6E-01	3.8E-02	8.9E-13	1.24851E-05
1.0E-03	9.9E-09	1.6E-01	3.8E-02	6.0E-11	1.1E+00	1.3E-07	1.0E-03	1.5E-10	1.6E-01	3.8E-02	8.8E-13	1.48191E-05
1.0E-03	1.1E-08	1.6E-01	3.8E-02	6.8E-11	1.0E+00	1.3E-07	1.0E-03	1.4E-10	1.6E-01	3.8E-02	8.7E-13	1.81478E-05
1.0E-03	1.3E-08	1.6E-01	3.8E-02	7.7E-11	1.0E+00	1.3E-07	1.0E-03	1.4E-10	1.6E-01	3.8E-02	8.6E-13	2.24839E-05
1.0E-03	1.4E-08	1.6E-01	3.8E-02	8.7E-11	1.0E+00	1.3E-07	1.0E-03	1.4E-10	1.6E-01	3.8E-02	8.4E-13	2.05634E-05
1.0E-03	1.0E-08	1.6E-01	3.8E-02	6.2E-11	7.7E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.4E-13	1.48071E-05
1.0E-03	9.4E-09	1.6E-01	3.8E-02	5.7E-11	7.4E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	3.8E-02	6.2E-13	1.34459E-05
1.0E-03	8.5E-09	1.6E-01	3.8E-02	5.1E-11	7.2E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	3.8E-02	6.0E-13	1.21987E-05
1.0E-03	7.7E-09	1.6E-01	3.8E-02	4.6E-11	7.0E-01	1.3E-07	1.0E-03	9.7E-11	1.6E-01	3.8E-02	5.8E-13	1.1066E-05
1.0E-03	7.0E-09	1.6E-01	3.8E-02	4.2E-11	6.8E-01	1.3E-07	1.0E-03	9.4E-11	1.6E-01	3.8E-02	5.7E-13	1.0048E-05
1.0E-03	6.4E-09	1.6E-01	3.8E-02	3.8E-11	6.6E-01	1.3E-07	1.0E-03	9.1E-11	1.6E-01	3.8E-02	5.5E-13	9.13889E-06
1.0E-03	5.8E-09	1.6E-01	3.8E-02	3.5E-11	6.4E-01	1.3E-07	1.0E-03	8.8E-11	1.6E-01	3.8E-02	5.3E-13	8.32387E-06
1.0E-03	5.3E-09	1.6E-01	3.8E-02	3.2E-11	6.2E-01	1.3E-07	1.0E-03	8.5E-11	1.6E-01	3.8E-02	5.1E-13	7.60127E-06
1.0E-03	4.8E-09	1.6E-01	3.8E-02	2.9E-11	6.0E-01	1.3E-07	1.0E-03	8.3E-11	1.6E-01	3.8E-02	5.0E-13	6.96151E-06
1.0E-03	4.4E-09	1.6E-01	3.8E-02	2.7E-11	5.8E-01	1.3E-07	1.0E-03	8.0E-11	1.6E-01	3.8E-02	4.8E-13	6.37657E-06
1.0E-03	7.6E-09	1.6E-01	3.8E-02	4.6E-11	1.0E+00	1.3E-07	1.0E-03	1.4E-10	1.6E-01	3.8E-02	8.5E-13	1.08938E-05
1.0E-03	8.5E-09	1.6E-01	3.8E-02	5.1E-11	1.0E+00	1.3E-07	1.0E-03	1.4E-10	1.6E-01	3.8E-02	8.4E-13	1.23749E-05
1.0E-03	9.5E-09	1.6E-01	3.8E-02	5.8E-11	9.9E-01	1.3E-07	1.0E-03	1.4E-10	1.6E-01	3.8E-02	8.3E-13	1.4534E-05
1.0E-03	1.1E-08	1.6E-01	3.8E-02	6.5E-11	9.8E-01	1.3E-07	1.0E-03	1.4E-10	1.6E-01	3.8E-02	8.2E-13	1.71357E-05
1.0E-03	1.2E-08	1.6E-01	3.8E-02	7.1E-11	9.7E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	3.8E-02	8.1E-13	1.95546E-05
1.0E-03	9.2E-09	1.6E-01	3.8E-02	5.5E-11	7.4E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	3.8E-02	6.2E-13	1.31941E-05
1.0E-03	8.4E-09	1.6E-01	3.8E-02	5.1E-11	7.2E-01	1.3E-07	1.0E-03	9.9E-11	1.6E-01	3.8E-02	6.0E-13	1.21081E-05
1.0E-03	7.7E-09	1.6E-01	3.8E-02	4.7E-11	7.0E-01	1.3E-07	1.0E-03	9.7E-11	1.6E-01	3.8E-02	5.8E-13	1.10752E-05
1.0E-03	7.0E-09	1.6E-01	3.8E-02	4.2E-11	6.8E-01	1.3E-07	1.0E-03	9.4E-11	1.6E-01	3.8E-02	5.7E-13	1.01193E-05
1.0E-03	6.4E-09	1.6E-01	3.8E-02	3.9E-11	6.6E-01	1.3E-07	1.0E-03	9.1E-11	1.6E-01	3.8E-02	5.5E-13	9.25535E-06
1.0E-03	5.9E-09	1.6E-01	3.8E-02	3.6E-11	6.4E-01	1.3E-07	1.0E-03	8.8E-11	1.6E-01	3.8E-02	5.3E-13	8.47641E-06
1.0E-03	5.4E-09	1.6E-01	3.8E-02	3.3E-11	6.2E-01	1.3E-07	1.0E-03	8.6E-11	1.6E-01	3.8E-02	5.2E-13	7.76531E-06
1.0E-03	5.0E-09	1.6E-01	3.8E-02	3.0E-11	6.0E-01	1.3E-07	1.0E-03	8.3E-11	1.6E-01	3.8E-02	5.0E-13	7.12638E-06
1.0E-03	4.5E-09	1.6E-01	3.8E-02	2.7E-11	5.8E-01	1.3E-07	1.0E-03	8.1E-11	1.6E-01	3.8E-02	4.9E-13	6.5481E-06
1.0E-03	4.2E-09	1.6E-01	3.8E-02	2.5E-11	5.6E-01	1.3E-07	1.0E-03	7.8E-11	1.6E-01	3.8E-02	4.7E-13	6.00967E-06
1.0E-03	6.7E-09	1.6E-01	3.8E-02	4.0E-11	9.7E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	3.8E-02	8.1E-13	9.59588E-06
1.0E-03	7.4E-09	1.6E-01	3.8E-02	4.5E-11	9.6E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	3.8E-02	8.0E-13	1.06734E-05
1.0E-03	8.3E-09	1.6E-01	3.8E-02	5.0E-11	9.5E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	3.8E-02	7.9E-13	1.19986E-05
1.0E-03	9.1E-09	1.6E-01	3.8E-02	5.5E-11	9.4E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	3.8E-02	7.8E-13	1.35939E-05
1.0E-03	1.0E-08	1.6E-01	3.8E-02	6.0E-11	9.2E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	3.8E-02	7.7E-13	1.50055E-05
1.0E-03	8.2E-09	1.6E-01	3.8E-02	5.0E-11	7.1E-01	1.3E-07	1.0E-03	9.9E-11	1.6E-01	3.8E-02	5.9E-13	1.1803E-05
1.0E-03	7.6E-09	1.6E-01	3.8E-02	4.6E-11	6.9E-01	1.3E-07	1.0E-03	9.6E-11	1.6E-01	3.8E-02	5.8E-13	1.09223E-05

1.0E-03	7.0E-09	1.6E-01	3.8E-02	4.2E-11	6.7E-01	1.3E-07	1.0E-03	9.3E-11	1.6E-01	3.8E-02	5.6E-13	1.00458E-05
1.0E-03	6.4E-09	1.6E-01	3.8E-02	3.9E-11	6.6E-01	1.3E-07	1.0E-03	9.1E-11	1.6E-01	3.8E-02	5.5E-13	9.21999E-06
1.0E-03	5.9E-09	1.6E-01	3.8E-02	3.6E-11	6.4E-01	1.3E-07	1.0E-03	8.8E-11	1.6E-01	3.8E-02	5.3E-13	8.47686E-06
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1.0E-03	4.3E-09	1.6E-01	3.8E-02	2.6E-11	5.7E-01	1.3E-07	1.0E-03	7.8E-11	1.6E-01	3.8E-02	4.7E-13	6.13581E-06
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1.0E-03	6.5E-09	1.6E-01	3.8E-02	3.9E-11	9.2E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	3.8E-02	7.6E-13	9.39557E-06
1.0E-03	7.2E-09	1.6E-01	3.8E-02	4.3E-11	9.0E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	3.8E-02	7.5E-13	1.03759E-05
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1.0E-03	3.7E-09	1.6E-01	3.8E-02	2.2E-11	5.3E-01	1.3E-07	1.0E-03	7.3E-11	1.6E-01	3.8E-02	4.4E-13	5.27288E-06
1.0E-03	5.3E-09	1.6E-01	3.8E-02	3.2E-11	8.8E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	3.8E-02	7.4E-13	7.59899E-06
1.0E-03	5.8E-09	1.6E-01	3.8E-02	3.5E-11	8.7E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	3.8E-02	7.3E-13	8.33023E-06
1.0E-03	6.3E-09	1.6E-01	3.8E-02	3.8E-11	8.6E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	3.8E-02	7.2E-13	9.10622E-06
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1.0E-03	7.4E-09	1.6E-01	3.8E-02	4.4E-11	8.4E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	3.8E-02	7.0E-13	1.05767E-05
1.0E-03	6.2E-09	1.6E-01	3.8E-02	3.8E-11	6.5E-01	1.3E-07	1.0E-03	9.0E-11	1.6E-01	3.8E-02	5.4E-13	8.9755E-06
1.0E-03	5.8E-09	1.6E-01	3.8E-02	3.5E-11	6.3E-01	1.3E-07	1.0E-03	8.7E-11	1.6E-01	3.8E-02	5.3E-13	8.38392E-06
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1.0E-03	4.8E-09	1.6E-01	3.8E-02	2.9E-11	5.9E-01	1.3E-07	1.0E-03	8.2E-11	1.6E-01	3.8E-02	4.9E-13	6.97331E-06
1.0E-03	4.5E-09	1.6E-01	3.8E-02	2.7E-11	5.7E-01	1.3E-07	1.0E-03	7.9E-11	1.6E-01	3.8E-02	4.8E-13	6.45183E-06
1.0E-03	4.2E-09	1.6E-01	3.8E-02	2.5E-11	5.6E-01	1.3E-07	1.0E-03	7.7E-11	1.6E-01	3.8E-02	4.6E-13	6.00025E-06
1.0E-03	3.9E-09	1.6E-01	3.8E-02	2.3E-11	5.4E-01	1.3E-07	1.0E-03	7.5E-11	1.6E-01	3.8E-02	4.5E-13	5.59404E-06
1.0E-03	3.6E-09	1.6E-01	3.8E-02	2.2E-11	5.3E-01	1.3E-07	1.0E-03	7.3E-11	1.6E-01	3.8E-02	4.4E-13	5.21588E-06
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1.0E-03	6.0E-09	1.6E-01	3.8E-02	3.6E-11	8.2E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.8E-13	8.6935E-06
1.0E-03	6.4E-09	1.6E-01	3.8E-02	3.9E-11	8.1E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.7E-13	9.23802E-06
1.0E-03	5.4E-09	1.6E-01	3.8E-02	3.2E-11	6.1E-01	1.3E-07	1.0E-03	8.5E-11	1.6E-01	3.8E-02	5.1E-13	7.71566E-06
1.0E-03	5.0E-09	1.6E-01	3.8E-02	3.0E-11	6.0E-01	1.3E-07	1.0E-03	8.3E-11	1.6E-01	3.8E-02	5.0E-13	7.20455E-06
1.0E-03	4.6E-09	1.6E-01	3.8E-02	2.8E-11	5.8E-01	1.3E-07	1.0E-03	8.0E-11	1.6E-01	3.8E-02	4.8E-13	6.6423E-06
1.0E-03	4.3E-09	1.6E-01	3.8E-02	2.6E-11	5.6E-01	1.3E-07	1.0E-03	7.8E-11	1.6E-01	3.8E-02	4.7E-13	6.19769E-06
1.0E-03	4.0E-09	1.6E-01	3.8E-02	2.4E-11	5.5E-01	1.3E-07	1.0E-03	7.6E-11	1.6E-01	3.8E-02	4.6E-13	5.76591E-06
1.0E-03	3.7E-09	1.6E-01	3.8E-02	2.2E-11	5.3E-01	1.3E-07	1.0E-03	7.3E-11	1.6E-01	3.8E-02	4.4E-13	5.3316E-06
1.0E-03	3.4E-09	1.6E-01	3.8E-02	2.1E-11	5.1E-01	1.3E-07	1.0E-03	7.1E-11	1.6E-01	3.8E-02	4.3E-13	4.94594E-06

1.0E-03	3.2E-09	1.6E-01	3.8E-02	1.9E-11	5.0E-01	1.3E-07	1.0E-03	6.9E-11	1.6E-01	3.8E-02	4.1E-13	4.58732E-06
1.0E-03	4.3E-09	1.6E-01	3.8E-02	2.6E-11	8.1E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.7E-13	6.19278E-06
1.0E-03	4.6E-09	1.6E-01	3.8E-02	2.8E-11	8.0E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.7E-13	6.70996E-06
1.0E-03	5.0E-09	1.6E-01	3.8E-02	3.0E-11	7.9E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.6E-13	7.22107E-06
1.0E-03	5.3E-09	1.6E-01	3.8E-02	3.2E-11	7.8E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.5E-13	7.70454E-06
1.0E-03	5.7E-09	1.6E-01	3.8E-02	3.4E-11	7.7E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.5E-13	8.14494E-06
1.0E-03	4.7E-09	1.6E-01	3.8E-02	2.8E-11	5.8E-01	1.3E-07	1.0E-03	8.0E-11	1.6E-01	3.8E-02	4.8E-13	6.73125E-06
1.0E-03	4.4E-09	1.6E-01	3.8E-02	2.7E-11	5.7E-01	1.3E-07	1.0E-03	7.8E-11	1.6E-01	3.8E-02	4.7E-13	6.35206E-06
1.0E-03	4.1E-09	1.6E-01	3.8E-02	2.5E-11	5.5E-01	1.3E-07	1.0E-03	7.6E-11	1.6E-01	3.8E-02	4.6E-13	5.97492E-06
1.0E-03	3.9E-09	1.6E-01	3.8E-02	2.3E-11	5.4E-01	1.3E-07	1.0E-03	7.4E-11	1.6E-01	3.8E-02	4.5E-13	5.56685E-06
1.0E-03	3.6E-09	1.6E-01	3.8E-02	2.2E-11	5.2E-01	1.3E-07	1.0E-03	7.2E-11	1.6E-01	3.8E-02	4.4E-13	5.19981E-06
1.0E-03	3.3E-09	1.6E-01	3.8E-02	2.0E-11	5.1E-01	1.3E-07	1.0E-03	7.0E-11	1.6E-01	3.8E-02	4.2E-13	4.82484E-06
1.0E-03	3.1E-09	1.6E-01	3.8E-02	1.9E-11	4.9E-01	1.3E-07	1.0E-03	6.8E-11	1.6E-01	3.8E-02	4.1E-13	4.44902E-06
1.0E-03	3.9E-09	1.6E-01	3.8E-02	2.3E-11	7.7E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.4E-13	5.62917E-06
1.0E-03	4.2E-09	1.6E-01	3.8E-02	2.5E-11	7.7E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.4E-13	6.06443E-06
1.0E-03	4.5E-09	1.6E-01	3.8E-02	2.7E-11	7.6E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.3E-13	6.47204E-06
1.0E-03	4.8E-09	1.6E-01	3.8E-02	2.9E-11	7.5E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	3.8E-02	6.3E-13	6.87273E-06
1.0E-03	5.0E-09	1.6E-01	3.8E-02	3.0E-11	7.4E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	3.8E-02	6.2E-13	7.23943E-06
1.0E-03	4.1E-09	1.6E-01	3.8E-02	2.5E-11	5.5E-01	1.3E-07	1.0E-03	7.6E-11	1.6E-01	3.8E-02	4.6E-13	5.9203E-06
1.0E-03	3.9E-09	1.6E-01	3.8E-02	2.3E-11	5.4E-01	1.3E-07	1.0E-03	7.4E-11	1.6E-01	3.8E-02	4.5E-13	5.5932E-06
1.0E-03	3.6E-09	1.6E-01	3.8E-02	2.2E-11	5.2E-01	1.3E-07	1.0E-03	7.2E-11	1.6E-01	3.8E-02	4.4E-13	5.25679E-06
1.0E-03	3.4E-09	1.6E-01	3.8E-02	2.1E-11	5.1E-01	1.3E-07	1.0E-03	7.0E-11	1.6E-01	3.8E-02	4.2E-13	4.9398E-06
1.0E-03	3.2E-09	1.6E-01	3.8E-02	1.9E-11	5.0E-01	1.3E-07	1.0E-03	6.9E-11	1.6E-01	3.8E-02	4.1E-13	4.62532E-06
1.0E-03	3.0E-09	1.6E-01	3.8E-02	1.8E-11	4.8E-01	1.3E-07	1.0E-03	6.6E-11	1.6E-01	3.8E-02	4.0E-13	4.30151E-06
1.0E-03	3.5E-09	1.6E-01	3.8E-02	2.1E-11	7.4E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	3.8E-02	6.2E-13	5.13484E-06
1.0E-03	3.8E-09	1.6E-01	3.8E-02	2.3E-11	7.3E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	3.8E-02	6.1E-13	5.49712E-06
1.0E-03	4.0E-09	1.6E-01	3.8E-02	2.4E-11	7.3E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	3.8E-02	6.1E-13	5.8433E-06
1.0E-03	4.3E-09	1.6E-01	3.8E-02	2.6E-11	7.2E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	3.8E-02	6.0E-13	6.17115E-06
1.0E-03	4.5E-09	1.6E-01	3.8E-02	2.7E-11	7.1E-01	1.3E-07	1.0E-03	9.9E-11	1.6E-01	3.8E-02	6.0E-13	6.47993E-06
1.0E-03	3.8E-09	1.6E-01	3.8E-02	2.3E-11	5.3E-01	1.3E-07	1.0E-03	7.4E-11	1.6E-01	3.8E-02	4.5E-13	5.5234E-06
1.0E-03	3.6E-09	1.6E-01	3.8E-02	2.2E-11	5.2E-01	1.3E-07	1.0E-03	7.2E-11	1.6E-01	3.8E-02	4.4E-13	5.24335E-06
1.0E-03	3.4E-09	1.6E-01	3.8E-02	2.1E-11	5.1E-01	1.3E-07	1.0E-03	7.0E-11	1.6E-01	3.8E-02	4.2E-13	4.95243E-06
1.0E-03	3.2E-09	1.6E-01	3.8E-02	2.0E-11	5.0E-01	1.3E-07	1.0E-03	6.9E-11	1.6E-01	3.8E-02	4.1E-13	4.67326E-06
1.0E-03	3.0E-09	1.6E-01	3.8E-02	1.8E-11	4.8E-01	1.3E-07	1.0E-03	6.7E-11	1.6E-01	3.8E-02	4.0E-13	4.39555E-06
1.0E-03	2.8E-09	1.6E-01	3.8E-02	1.7E-11	4.7E-01	1.3E-07	1.0E-03	6.5E-11	1.6E-01	3.8E-02	3.9E-13	4.10083E-06
1.0E-03	3.2E-09	1.6E-01	3.8E-02	2.0E-11	7.1E-01	1.3E-07	1.0E-03	9.8E-11	1.6E-01	3.8E-02	5.9E-13	4.69987E-06
1.0E-03	3.4E-09	1.6E-01	3.8E-02	2.1E-11	7.0E-01	1.3E-07	1.0E-03	9.8E-11	1.6E-01	3.8E-02	5.9E-13	4.99903E-06
1.0E-03	3.7E-09	1.6E-01	3.8E-02	2.2E-11	7.0E-01	1.3E-07	1.0E-03	9.7E-11	1.6E-01	3.8E-02	5.8E-13	5.2964E-06
1.0E-03	3.9E-09	1.6E-01	3.8E-02	2.3E-11	6.9E-01	1.3E-07	1.0E-03	9.6E-11	1.6E-01	3.8E-02	5.8E-13	5.57401E-06
1.0E-03	4.0E-09	1.6E-01	3.8E-02	2.4E-11	6.9E-01	1.3E-07	1.0E-03	9.5E-11	1.6E-01	3.8E-02	5.7E-13	5.83662E-06
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1.0E-03	3.4E-09	1.6E-01	3.8E-02	2.1E-11	5.1E-01	1.3E-07	1.0E-03	7.0E-11	1.6E-01	3.8E-02	4.2E-13	4.9125E-06
1.0E-03	3.2E-09	1.6E-01	3.8E-02	1.9E-11	5.0E-01	1.3E-07	1.0E-03	6.9E-11	1.6E-01	3.8E-02	4.1E-13	4.66123E-06
1.0E-03	3.1E-09	1.6E-01	3.8E-02	1.8E-11	4.8E-01	1.3E-07	1.0E-03	6.7E-11	1.6E-01	3.8E-02	4.0E-13	4.41779E-06
1.0E-03	2.9E-09	1.6E-01	3.8E-02	1.7E-11	4.7E-01	1.3E-07	1.0E-03	6.5E-11	1.6E-01	3.8E-02	3.9E-13	4.18347E-06
1.0E-03	2.7E-09	1.6E-01	3.8E-02	1.6E-11	4.6E-01	1.3E-07	1.0E-03	6.4E-11	1.6E-01	3.8E-02	3.8E-13	3.93079E-06
1.0E-03	3.0E-09	1.6E-01	3.8E-02	1.8E-11	6.8E-01	1.3E-07	1.0E-03	9.4E-11	1.6E-01	3.8E-02	5.7E-13	4.31674E-06
1.0E-03	3.1E-09	1.6E-01	3.8E-02	1.9E-11	6.8E-01	1.3E-07	1.0E-03	9.4E-11	1.6E-01	3.8E-02	5.6E-13	4.56884E-06
1.0E-03	3.3E-09	1.6E-01	3.8E-02	2.0E-11	6.7E-01	1.3E-07	1.0E-03	9.3E-11	1.6E-01	3.8E-02	5.6E-13	4.82304E-06

1.0E-03	3.5E-09	1.6E-01	3.8E-02	2.1E-11	6.7E-01	1.3E-07	1.0E-03	9.2E-11	1.6E-01	3.8E-02	5.6E-13	5.06172E-06
1.0E-03	3.7E-09	1.6E-01	3.8E-02	2.2E-11	6.6E-01	1.3E-07	1.0E-03	9.1E-11	1.6E-01	3.8E-02	5.5E-13	5.28686E-06
1.0E-03	3.3E-09	1.6E-01	3.8E-02	2.0E-11	5.0E-01	1.3E-07	1.0E-03	7.0E-11	1.6E-01	3.8E-02	4.2E-13	4.82095E-06
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1.0E-03	2.9E-09	1.6E-01	3.8E-02	1.7E-11	4.7E-01	1.3E-07	1.0E-03	6.5E-11	1.6E-01	3.8E-02	3.9E-13	4.17758E-06
1.0E-03	2.7E-09	1.6E-01	3.8E-02	1.7E-11	4.6E-01	1.3E-07	1.0E-03	6.4E-11	1.6E-01	3.8E-02	3.8E-13	3.96703E-06
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1.0E-03	3.2E-09	1.6E-01	3.8E-02	1.9E-11	6.4E-01	1.3E-07	1.0E-03	8.9E-11	1.6E-01	3.8E-02	5.3E-13	4.61818E-06
1.0E-03	3.3E-09	1.6E-01	3.8E-02	2.0E-11	6.3E-01	1.3E-07	1.0E-03	8.8E-11	1.6E-01	3.8E-02	5.3E-13	4.81277E-06
1.0E-03	3.1E-09	1.6E-01	3.8E-02	1.9E-11	4.9E-01	1.3E-07	1.0E-03	6.8E-11	1.6E-01	3.8E-02	4.1E-13	4.5064E-06
1.0E-03	3.0E-09	1.6E-01	3.8E-02	1.8E-11	4.8E-01	1.3E-07	1.0E-03	6.6E-11	1.6E-01	3.8E-02	4.0E-13	4.3261E-06
1.0E-03	2.9E-09	1.6E-01	3.8E-02	1.7E-11	4.7E-01	1.3E-07	1.0E-03	6.5E-11	1.6E-01	3.8E-02	3.9E-13	4.139E-06
1.0E-03	2.7E-09	1.6E-01	3.8E-02	1.6E-11	4.6E-01	1.3E-07	1.0E-03	6.4E-11	1.6E-01	3.8E-02	3.8E-13	3.95295E-06
1.0E-03	2.6E-09	1.6E-01	3.8E-02	1.6E-11	4.5E-01	1.3E-07	1.0E-03	6.2E-11	1.6E-01	3.8E-02	3.7E-13	3.76741E-06
1.0E-03	2.5E-09	1.6E-01	3.8E-02	1.5E-11	4.4E-01	1.3E-07	1.0E-03	6.1E-11	1.6E-01	3.8E-02	3.7E-13	3.58253E-06
1.0E-03	2.5E-09	1.6E-01	3.8E-02	1.5E-11	6.3E-01	1.3E-07	1.0E-03	8.7E-11	1.6E-01	3.8E-02	5.2E-13	3.67904E-06
1.0E-03	2.7E-09	1.6E-01	3.8E-02	1.6E-11	6.3E-01	1.3E-07	1.0E-03	8.7E-11	1.6E-01	3.8E-02	5.2E-13	3.86789E-06
1.0E-03	2.8E-09	1.6E-01	3.8E-02	1.7E-11	6.2E-01	1.3E-07	1.0E-03	8.6E-11	1.6E-01	3.8E-02	5.2E-13	4.0526E-06
1.0E-03	2.9E-09	1.6E-01	3.8E-02	1.8E-11	6.2E-01	1.3E-07	1.0E-03	8.5E-11	1.6E-01	3.8E-02	5.1E-13	4.23122E-06
1.0E-03	3.0E-09	1.6E-01	3.8E-02	1.8E-11	6.1E-01	1.3E-07	1.0E-03	8.4E-11	1.6E-01	3.8E-02	5.1E-13	4.40026E-06
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1.0E-03	3.2E-09	1.6E-01	3.8E-02	2.0E-11	6.0E-01	1.3E-07	1.0E-03	8.3E-11	1.6E-01	3.8E-02	5.0E-13	4.69579E-06
1.0E-03	3.3E-09	1.6E-01	3.8E-02	2.0E-11	5.9E-01	1.3E-07	1.0E-03	8.2E-11	1.6E-01	3.8E-02	4.9E-13	4.81408E-06
1.0E-03	3.4E-09	1.6E-01	3.8E-02	2.0E-11	5.8E-01	1.3E-07	1.0E-03	8.1E-11	1.6E-01	3.8E-02	4.9E-13	4.90941E-06
1.0E-03	3.4E-09	1.6E-01	3.8E-02	2.1E-11	5.8E-01	1.3E-07	1.0E-03	8.0E-11	1.6E-01	3.8E-02	4.8E-13	4.97827E-06
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1.0E-03	3.5E-09	1.6E-01	3.8E-02	2.1E-11	5.5E-01	1.3E-07	1.0E-03	7.6E-11	1.6E-01	3.8E-02	4.6E-13	5.02357E-06
1.0E-03	3.5E-09	1.6E-01	3.8E-02	2.1E-11	5.4E-01	1.3E-07	1.0E-03	7.5E-11	1.6E-01	3.8E-02	4.5E-13	4.99229E-06
1.0E-03	3.4E-09	1.6E-01	3.8E-02	2.1E-11	5.3E-01	1.3E-07	1.0E-03	7.4E-11	1.6E-01	3.8E-02	4.4E-13	4.93574E-06
1.0E-03	3.4E-09	1.6E-01	3.8E-02	2.0E-11	5.2E-01	1.3E-07	1.0E-03	7.3E-11	1.6E-01	3.8E-02	4.4E-13	4.85616E-06
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1.0E-03	3.1E-09	1.6E-01	3.8E-02	1.9E-11	5.0E-01	1.3E-07	1.0E-03	6.9E-11	1.6E-01	3.8E-02	4.1E-13	4.51443E-06
1.0E-03	3.0E-09	1.6E-01	3.8E-02	1.8E-11	4.9E-01	1.3E-07	1.0E-03	6.7E-11	1.6E-01	3.8E-02	4.1E-13	4.36897E-06
1.0E-03	2.9E-09	1.6E-01	3.8E-02	1.8E-11	4.8E-01	1.3E-07	1.0E-03	6.6E-11	1.6E-01	3.8E-02	4.0E-13	4.21555E-06
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1.0E-03	2.7E-09	1.6E-01	3.8E-02	1.6E-11	4.6E-01	1.3E-07	1.0E-03	6.3E-11	1.6E-01	3.8E-02	3.8E-13	3.89941E-06
1.0E-03	2.6E-09	1.6E-01	3.8E-02	1.6E-11	4.5E-01	1.3E-07	1.0E-03	6.2E-11	1.6E-01	3.8E-02	3.7E-13	3.73691E-06
1.0E-03	2.5E-09	1.6E-01	3.8E-02	1.5E-11	4.4E-01	1.3E-07	1.0E-03	6.1E-11	1.6E-01	3.8E-02	3.7E-13	3.57285E-06
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1.0E-03	2.3E-09	1.6E-01	3.8E-02	1.4E-11	6.1E-01	1.3E-07	1.0E-03	8.4E-11	1.6E-01	3.8E-02	5.0E-13	3.40602E-06
1.0E-03	2.5E-09	1.6E-01	3.8E-02	1.5E-11	6.0E-01	1.3E-07	1.0E-03	8.3E-11	1.6E-01	3.8E-02	5.0E-13	3.57405E-06
1.0E-03	2.6E-09	1.6E-01	3.8E-02	1.5E-11	6.0E-01	1.3E-07	1.0E-03	8.3E-11	1.6E-01	3.8E-02	5.0E-13	3.73617E-06
1.0E-03	2.7E-09	1.6E-01	3.8E-02	1.6E-11	5.9E-01	1.3E-07	1.0E-03	8.2E-11	1.6E-01	3.8E-02	4.9E-13	3.89302E-06

1.0E-03	2.8E-09	1.6E-01	3.8E-02	1.7E-11	5.9E-01	1.3E-07	1.0E-03	8.1E-11	1.6E-01	3.8E-02	4.9E-13	4.04087E-06
1.0E-03	2.9E-09	1.6E-01	3.8E-02	1.7E-11	5.8E-01	1.3E-07	1.0E-03	8.1E-11	1.6E-01	3.8E-02	4.9E-13	4.17798E-06
1.0E-03	3.0E-09	1.6E-01	3.8E-02	1.8E-11	5.8E-01	1.3E-07	1.0E-03	8.0E-11	1.6E-01	3.8E-02	4.8E-13	4.30122E-06
1.0E-03	3.0E-09	1.6E-01	3.8E-02	1.8E-11	5.7E-01	1.3E-07	1.0E-03	7.9E-11	1.6E-01	3.8E-02	4.8E-13	4.40617E-06
1.0E-03	3.1E-09	1.6E-01	3.8E-02	1.9E-11	5.6E-01	1.3E-07	1.0E-03	7.8E-11	1.6E-01	3.8E-02	4.7E-13	4.49196E-06
1.0E-03	3.2E-09	1.6E-01	3.8E-02	1.9E-11	5.6E-01	1.3E-07	1.0E-03	7.7E-11	1.6E-01	3.8E-02	4.6E-13	4.55768E-06
1.0E-03	3.2E-09	1.6E-01	3.8E-02	1.9E-11	5.5E-01	1.3E-07	1.0E-03	7.6E-11	1.6E-01	3.8E-02	4.6E-13	4.60001E-06
1.0E-03	3.2E-09	1.6E-01	3.8E-02	1.9E-11	5.4E-01	1.3E-07	1.0E-03	7.5E-11	1.6E-01	3.8E-02	4.5E-13	4.6182E-06
1.0E-03	3.2E-09	1.6E-01	3.8E-02	1.9E-11	5.3E-01	1.3E-07	1.0E-03	7.4E-11	1.6E-01	3.8E-02	4.4E-13	4.61441E-06
1.0E-03	3.2E-09	1.6E-01	3.8E-02	1.9E-11	5.2E-01	1.3E-07	1.0E-03	7.3E-11	1.6E-01	3.8E-02	4.4E-13	4.5949E-06
1.0E-03	3.2E-09	1.6E-01	3.8E-02	1.9E-11	5.2E-01	1.3E-07	1.0E-03	7.2E-11	1.6E-01	3.8E-02	4.3E-13	4.5547E-06
1.0E-03	3.1E-09	1.6E-01	3.8E-02	1.9E-11	5.1E-01	1.3E-07	1.0E-03	7.0E-11	1.6E-01	3.8E-02	4.2E-13	4.49136E-06
1.0E-03	3.1E-09	1.6E-01	3.8E-02	1.8E-11	5.0E-01	1.3E-07	1.0E-03	6.9E-11	1.6E-01	3.8E-02	4.2E-13	4.41178E-06
1.0E-03	3.0E-09	1.6E-01	3.8E-02	1.8E-11	4.9E-01	1.3E-07	1.0E-03	6.8E-11	1.6E-01	3.8E-02	4.1E-13	4.31599E-06
1.0E-03	2.9E-09	1.6E-01	3.8E-02	1.8E-11	4.8E-01	1.3E-07	1.0E-03	6.7E-11	1.6E-01	3.8E-02	4.0E-13	4.20529E-06
1.0E-03	2.8E-09	1.6E-01	3.8E-02	1.7E-11	4.7E-01	1.3E-07	1.0E-03	6.5E-11	1.6E-01	3.8E-02	3.9E-13	4.07988E-06
1.0E-03	2.7E-09	1.6E-01	3.8E-02	1.6E-11	4.6E-01	1.3E-07	1.0E-03	6.4E-11	1.6E-01	3.8E-02	3.9E-13	3.94797E-06
1.0E-03	2.6E-09	1.6E-01	3.8E-02	1.6E-11	4.5E-01	1.3E-07	1.0E-03	6.3E-11	1.6E-01	3.8E-02	3.8E-13	3.81502E-06
1.0E-03	2.5E-09	1.6E-01	3.8E-02	1.5E-11	4.5E-01	1.3E-07	1.0E-03	6.2E-11	1.6E-01	3.8E-02	3.7E-13	3.6752E-06
1.0E-03	2.4E-09	1.6E-01	3.8E-02	1.5E-11	4.4E-01	1.3E-07	1.0E-03	6.0E-11	1.6E-01	3.8E-02	3.6E-13	3.5331E-06
1.0E-03	2.3E-09	1.6E-01	3.8E-02	1.4E-11	4.3E-01	1.3E-07	1.0E-03	5.9E-11	1.6E-01	3.8E-02	3.6E-13	3.38846E-06
1.0E-03	2.2E-09	1.6E-01	3.8E-02	1.4E-11	4.2E-01	1.3E-07	1.0E-03	5.8E-11	1.6E-01	3.8E-02	3.5E-13	3.24601E-06
1.0E-03	2.2E-09	1.6E-01	3.8E-02	1.3E-11	5.8E-01	1.3E-07	1.0E-03	8.1E-11	1.6E-01	3.8E-02	4.9E-13	3.16446E-06
1.0E-03	2.3E-09	1.6E-01	3.8E-02	1.4E-11	5.8E-01	1.3E-07	1.0E-03	8.0E-11	1.6E-01	3.8E-02	4.8E-13	3.31303E-06
1.0E-03	2.4E-09	1.6E-01	3.8E-02	1.4E-11	5.8E-01	1.3E-07	1.0E-03	8.0E-11	1.6E-01	3.8E-02	4.8E-13	3.45598E-06
1.0E-03	2.5E-09	1.6E-01	3.8E-02	1.5E-11	5.7E-01	1.3E-07	1.0E-03	7.9E-11	1.6E-01	3.8E-02	4.8E-13	3.59408E-06
1.0E-03	2.6E-09	1.6E-01	3.8E-02	1.5E-11	5.7E-01	1.3E-07	1.0E-03	7.8E-11	1.6E-01	3.8E-02	4.7E-13	3.7246E-06
1.0E-03	2.7E-09	1.6E-01	3.8E-02	1.6E-11	5.6E-01	1.3E-07	1.0E-03	7.8E-11	1.6E-01	3.8E-02	4.7E-13	3.84515E-06
1.0E-03	2.7E-09	1.6E-01	3.8E-02	1.6E-11	5.6E-01	1.3E-07	1.0E-03	7.7E-11	1.6E-01	3.8E-02	4.6E-13	3.9539E-06
1.0E-03	2.8E-09	1.6E-01	3.8E-02	1.7E-11	5.5E-01	1.3E-07	1.0E-03	7.6E-11	1.6E-01	3.8E-02	4.6E-13	4.04725E-06
1.0E-03	2.8E-09	1.6E-01	3.8E-02	1.7E-11	5.4E-01	1.3E-07	1.0E-03	7.5E-11	1.6E-01	3.8E-02	4.5E-13	4.12597E-06
1.0E-03	2.9E-09	1.6E-01	3.8E-02	1.7E-11	5.4E-01	1.3E-07	1.0E-03	7.4E-11	1.6E-01	3.8E-02	4.5E-13	4.18609E-06
1.0E-03	2.9E-09	1.6E-01	3.8E-02	1.8E-11	5.3E-01	1.3E-07	1.0E-03	7.3E-11	1.6E-01	3.8E-02	4.4E-13	4.22878E-06
1.0E-03	2.9E-09	1.6E-01	3.8E-02	1.8E-11	5.2E-01	1.3E-07	1.0E-03	7.2E-11	1.6E-01	3.8E-02	4.4E-13	4.2497E-06
1.0E-03	2.9E-09	1.6E-01	3.8E-02	1.8E-11	5.2E-01	1.3E-07	1.0E-03	7.1E-11	1.6E-01	3.8E-02	4.3E-13	4.25178E-06
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1.0E-03	2.9E-09	1.6E-01	3.8E-02	1.8E-11	5.0E-01	1.3E-07	1.0E-03	6.9E-11	1.6E-01	3.8E-02	4.2E-13	4.20977E-06
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1.0E-03	2.8E-09	1.6E-01	3.8E-02	1.7E-11	4.8E-01	1.3E-07	1.0E-03	6.6E-11	1.6E-01	3.8E-02	4.0E-13	4.01526E-06
1.0E-03	2.7E-09	1.6E-01	3.8E-02	1.6E-11	4.7E-01	1.3E-07	1.0E-03	6.5E-11	1.6E-01	3.8E-02	3.9E-13	3.92263E-06
1.0E-03	2.6E-09	1.6E-01	3.8E-02	1.6E-11	4.6E-01	1.3E-07	1.0E-03	6.4E-11	1.6E-01	3.8E-02	3.8E-13	3.81514E-06
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1.0E-03	2.5E-09	1.6E-01	3.8E-02	1.5E-11	4.4E-01	1.3E-07	1.0E-03	6.1E-11	1.6E-01	3.8E-02	3.7E-13	3.58972E-06
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1.0E-03	2.3E-09	1.6E-01	3.8E-02	1.4E-11	4.2E-01	1.3E-07	1.0E-03	5.9E-11	1.6E-01	3.8E-02	3.5E-13	3.34271E-06
1.0E-03	2.2E-09	1.6E-01	3.8E-02	1.3E-11	4.2E-01	1.3E-07	1.0E-03	5.8E-11	1.6E-01	3.8E-02	3.5E-13	3.21424E-06
1.0E-03	2.1E-09	1.6E-01	3.8E-02	1.3E-11	4.1E-01	1.3E-07	1.0E-03	5.6E-11	1.6E-01	3.8E-02	3.4E-13	3.08766E-06
1.0E-03	2.0E-09	1.6E-01	3.8E-02	1.2E-11	5.6E-01	1.3E-07	1.0E-03	7.8E-11	1.6E-01	3.8E-02	4.7E-13	2.95073E-06

1.0E-03	2.1E-09	1.6E-01	3.8E-02	1.3E-11	5.6E-01	1.3E-07	1.0E-03	7.7E-11	1.6E-01	3.8E-02	4.7E-13	3.07994E-06
1.0E-03	2.2E-09	1.6E-01	3.8E-02	1.3E-11	5.5E-01	1.3E-07	1.0E-03	7.7E-11	1.6E-01	3.8E-02	4.6E-13	3.20657E-06
1.0E-03	2.3E-09	1.6E-01	3.8E-02	1.4E-11	5.5E-01	1.3E-07	1.0E-03	7.6E-11	1.6E-01	3.8E-02	4.6E-13	3.32847E-06
1.0E-03	2.4E-09	1.6E-01	3.8E-02	1.4E-11	5.5E-01	1.3E-07	1.0E-03	7.6E-11	1.6E-01	3.8E-02	4.6E-13	3.44429E-06
1.0E-03	2.4E-09	1.6E-01	3.8E-02	1.5E-11	5.4E-01	1.3E-07	1.0E-03	7.5E-11	1.6E-01	3.8E-02	4.5E-13	3.55118E-06
1.0E-03	2.5E-09	1.6E-01	3.8E-02	1.5E-11	5.4E-01	1.3E-07	1.0E-03	7.4E-11	1.6E-01	3.8E-02	4.5E-13	3.64775E-06
1.0E-03	2.6E-09	1.6E-01	3.8E-02	1.6E-11	5.3E-01	1.3E-07	1.0E-03	7.3E-11	1.6E-01	3.8E-02	4.4E-13	3.73169E-06
1.0E-03	2.6E-09	1.6E-01	3.8E-02	1.6E-11	5.3E-01	1.3E-07	1.0E-03	7.3E-11	1.6E-01	3.8E-02	4.4E-13	3.80368E-06
1.0E-03	2.7E-09	1.6E-01	3.8E-02	1.6E-11	5.2E-01	1.3E-07	1.0E-03	7.2E-11	1.6E-01	3.8E-02	4.3E-13	3.85907E-06
1.0E-03	2.7E-09	1.6E-01	3.8E-02	1.6E-11	5.1E-01	1.3E-07	1.0E-03	7.1E-11	1.6E-01	3.8E-02	4.3E-13	3.90017E-06
1.0E-03	2.7E-09	1.6E-01	3.8E-02	1.6E-11	5.1E-01	1.3E-07	1.0E-03	7.0E-11	1.6E-01	3.8E-02	4.2E-13	3.92336E-06
1.0E-03	2.7E-09	1.6E-01	3.8E-02	1.6E-11	5.0E-01	1.3E-07	1.0E-03	6.9E-11	1.6E-01	3.8E-02	4.2E-13	3.92938E-06
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1.0E-03	2.7E-09	1.6E-01	3.8E-02	1.6E-11	4.9E-01	1.3E-07	1.0E-03	6.7E-11	1.6E-01	3.8E-02	4.0E-13	3.90139E-06
1.0E-03	2.7E-09	1.6E-01	3.8E-02	1.6E-11	4.8E-01	1.3E-07	1.0E-03	6.6E-11	1.6E-01	3.8E-02	4.0E-13	3.86245E-06
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1.0E-03	2.6E-09	1.6E-01	3.8E-02	1.6E-11	4.6E-01	1.3E-07	1.0E-03	6.4E-11	1.6E-01	3.8E-02	3.9E-13	3.74324E-06
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1.0E-03	2.0E-09	1.6E-01	3.8E-02	1.2E-11	4.0E-01	1.3E-07	1.0E-03	5.5E-11	1.6E-01	3.8E-02	3.3E-13	2.9368E-06
1.0E-03	1.9E-09	1.6E-01	3.8E-02	1.1E-11	5.4E-01	1.3E-07	1.0E-03	7.5E-11	1.6E-01	3.8E-02	4.5E-13	2.75599E-06
1.0E-03	2.0E-09	1.6E-01	3.8E-02	1.2E-11	5.4E-01	1.3E-07	1.0E-03	7.4E-11	1.6E-01	3.8E-02	4.5E-13	2.87117E-06
1.0E-03	2.0E-09	1.6E-01	3.8E-02	1.2E-11	5.3E-01	1.3E-07	1.0E-03	7.4E-11	1.6E-01	3.8E-02	4.5E-13	2.98386E-06
1.0E-03	2.1E-09	1.6E-01	3.8E-02	1.3E-11	5.3E-01	1.3E-07	1.0E-03	7.3E-11	1.6E-01	3.8E-02	4.4E-13	3.09248E-06
1.0E-03	2.2E-09	1.6E-01	3.8E-02	1.3E-11	5.3E-01	1.3E-07	1.0E-03	7.3E-11	1.6E-01	3.8E-02	4.4E-13	3.19495E-06
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1.0E-03	2.4E-09	1.6E-01	3.8E-02	1.4E-11	5.1E-01	1.3E-07	1.0E-03	7.1E-11	1.6E-01	3.8E-02	4.3E-13	3.45261E-06
1.0E-03	2.4E-09	1.6E-01	3.8E-02	1.5E-11	5.1E-01	1.3E-07	1.0E-03	7.0E-11	1.6E-01	3.8E-02	4.2E-13	3.51756E-06
1.0E-03	2.5E-09	1.6E-01	3.8E-02	1.5E-11	5.0E-01	1.3E-07	1.0E-03	6.9E-11	1.6E-01	3.8E-02	4.2E-13	3.56945E-06
1.0E-03	2.5E-09	1.6E-01	3.8E-02	1.5E-11	5.0E-01	1.3E-07	1.0E-03	6.9E-11	1.6E-01	3.8E-02	4.1E-13	3.60845E-06
1.0E-03	2.5E-09	1.6E-01	3.8E-02	1.5E-11	4.9E-01	1.3E-07	1.0E-03	6.8E-11	1.6E-01	3.8E-02	4.1E-13	3.63256E-06
1.0E-03	2.5E-09	1.6E-01	3.8E-02	1.5E-11	4.8E-01	1.3E-07	1.0E-03	6.7E-11	1.6E-01	3.8E-02	4.0E-13	3.64175E-06
1.0E-03	2.5E-09	1.6E-01	3.8E-02	1.5E-11	4.8E-01	1.3E-07	1.0E-03	6.6E-11	1.6E-01	3.8E-02	4.0E-13	3.63963E-06
1.0E-03	2.5E-09	1.6E-01	3.8E-02	1.5E-11	4.7E-01	1.3E-07	1.0E-03	6.5E-11	1.6E-01	3.8E-02	3.9E-13	3.6251E-06
1.0E-03	2.5E-09	1.6E-01	3.8E-02	1.5E-11	4.6E-01	1.3E-07	1.0E-03	6.4E-11	1.6E-01	3.8E-02	3.9E-13	3.5936E-06
1.0E-03	2.5E-09	1.6E-01	3.8E-02	1.5E-11	4.6E-01	1.3E-07	1.0E-03	6.3E-11	1.6E-01	3.8E-02	3.8E-13	3.55135E-06
1.0E-03	2.4E-09	1.6E-01	3.8E-02	1.5E-11	4.5E-01	1.3E-07	1.0E-03	6.2E-11	1.6E-01	3.8E-02	3.7E-13	3.49657E-06
1.0E-03	2.4E-09	1.6E-01	3.8E-02	1.4E-11	4.4E-01	1.3E-07	1.0E-03	6.1E-11	1.6E-01	3.8E-02	3.7E-13	3.43073E-06
1.0E-03	2.3E-09	1.6E-01	3.8E-02	1.4E-11	4.3E-01	1.3E-07	1.0E-03	6.0E-11	1.6E-01	3.8E-02	3.6E-13	3.35089E-06
1.0E-03	2.3E-09	1.6E-01	3.8E-02	1.4E-11	4.3E-01	1.3E-07	1.0E-03	5.9E-11	1.6E-01	3.8E-02	3.6E-13	3.26597E-06
1.0E-03	2.2E-09	1.6E-01	3.8E-02	1.3E-11	4.2E-01	1.3E-07	1.0E-03	5.8E-11	1.6E-01	3.8E-02	3.5E-13	3.1794E-06
1.0E-03	2.1E-09	1.6E-01	3.8E-02	1.3E-11	4.1E-01	1.3E-07	1.0E-03	5.7E-11	1.6E-01	3.8E-02	3.4E-13	3.08734E-06
1.0E-03	2.1E-09	1.6E-01	3.8E-02	1.2E-11	4.0E-01	1.3E-07	1.0E-03	5.6E-11	1.6E-01	3.8E-02	3.4E-13	2.99195E-06

1.0E-03	2.0E-09	1.6E-01	3.8E-02	1.2E-11	4.0E-01	1.3E-07	1.0E-03	5.5E-11	1.6E-01	3.8E-02	3.3E-13	2.89402E-06
1.0E-03	1.9E-09	1.6E-01	3.8E-02	1.2E-11	3.9E-01	1.3E-07	1.0E-03	5.4E-11	1.6E-01	3.8E-02	3.2E-13	2.79484E-06
1.0E-03	1.8E-09	1.6E-01	3.8E-02	1.1E-11	5.2E-01	1.3E-07	1.0E-03	7.2E-11	1.6E-01	3.8E-02	4.3E-13	2.58013E-06
1.0E-03	1.8E-09	1.6E-01	3.8E-02	1.1E-11	5.2E-01	1.3E-07	1.0E-03	7.2E-11	1.6E-01	3.8E-02	4.3E-13	2.68316E-06
1.0E-03	1.9E-09	1.6E-01	3.8E-02	1.2E-11	5.2E-01	1.3E-07	1.0E-03	7.1E-11	1.6E-01	3.8E-02	4.3E-13	2.7839E-06
1.0E-03	2.0E-09	1.6E-01	3.8E-02	1.2E-11	5.1E-01	1.3E-07	1.0E-03	7.1E-11	1.6E-01	3.8E-02	4.3E-13	2.88078E-06
1.0E-03	2.0E-09	1.6E-01	3.8E-02	1.2E-11	5.1E-01	1.3E-07	1.0E-03	7.0E-11	1.6E-01	3.8E-02	4.2E-13	2.97228E-06
1.0E-03	2.1E-09	1.6E-01	3.8E-02	1.3E-11	5.0E-01	1.3E-07	1.0E-03	7.0E-11	1.6E-01	3.8E-02	4.2E-13	3.05772E-06
1.0E-03	2.2E-09	1.6E-01	3.8E-02	1.3E-11	5.0E-01	1.3E-07	1.0E-03	6.9E-11	1.6E-01	3.8E-02	4.2E-13	3.13539E-06
1.0E-03	2.2E-09	1.6E-01	3.8E-02	1.3E-11	5.0E-01	1.3E-07	1.0E-03	6.9E-11	1.6E-01	3.8E-02	4.1E-13	3.20372E-06
1.0E-03	2.2E-09	1.6E-01	3.8E-02	1.4E-11	4.9E-01	1.3E-07	1.0E-03	6.8E-11	1.6E-01	3.8E-02	4.1E-13	3.26307E-06
1.0E-03	2.3E-09	1.6E-01	3.8E-02	1.4E-11	4.9E-01	1.3E-07	1.0E-03	6.7E-11	1.6E-01	3.8E-02	4.1E-13	3.31155E-06
1.0E-03	2.3E-09	1.6E-01	3.8E-02	1.4E-11	4.8E-01	1.3E-07	1.0E-03	6.6E-11	1.6E-01	3.8E-02	4.0E-13	3.34815E-06
1.0E-03	2.3E-09	1.6E-01	3.8E-02	1.4E-11	4.7E-01	1.3E-07	1.0E-03	6.6E-11	1.6E-01	3.8E-02	4.0E-13	3.37211E-06
1.0E-03	2.3E-09	1.6E-01	3.8E-02	1.4E-11	4.7E-01	1.3E-07	1.0E-03	6.5E-11	1.6E-01	3.8E-02	3.9E-13	3.3833E-06
1.0E-03	2.3E-09	1.6E-01	3.8E-02	1.4E-11	4.6E-01	1.3E-07	1.0E-03	6.4E-11	1.6E-01	3.8E-02	3.9E-13	3.38548E-06
1.0E-03	2.3E-09	1.6E-01	3.8E-02	1.4E-11	4.6E-01	1.3E-07	1.0E-03	6.3E-11	1.6E-01	3.8E-02	3.8E-13	3.37483E-06
1.0E-03	2.3E-09	1.6E-01	3.8E-02	1.4E-11	4.5E-01	1.3E-07	1.0E-03	6.2E-11	1.6E-01	3.8E-02	3.8E-13	3.35065E-06
1.0E-03	2.3E-09	1.6E-01	3.8E-02	1.4E-11	4.4E-01	1.3E-07	1.0E-03	6.1E-11	1.6E-01	3.8E-02	3.7E-13	3.31636E-06
1.0E-03	2.3E-09	1.6E-01	3.8E-02	1.4E-11	4.4E-01	1.3E-07	1.0E-03	6.0E-11	1.6E-01	3.8E-02	3.6E-13	3.27068E-06
1.0E-03	2.2E-09	1.6E-01	3.8E-02	1.3E-11	4.3E-01	1.3E-07	1.0E-03	5.9E-11	1.6E-01	3.8E-02	3.6E-13	3.21495E-06
1.0E-03	2.2E-09	1.6E-01	3.8E-02	1.3E-11	4.2E-01	1.3E-07	1.0E-03	5.8E-11	1.6E-01	3.8E-02	3.5E-13	3.14658E-06
1.0E-03	2.1E-09	1.6E-01	3.8E-02	1.3E-11	4.1E-01	1.3E-07	1.0E-03	5.7E-11	1.6E-01	3.8E-02	3.5E-13	3.07283E-06
1.0E-03	2.1E-09	1.6E-01	3.8E-02	1.2E-11	4.1E-01	1.3E-07	1.0E-03	5.6E-11	1.6E-01	3.8E-02	3.4E-13	3.00014E-06
1.0E-03	2.0E-09	1.6E-01	3.8E-02	1.2E-11	4.0E-01	1.3E-07	1.0E-03	5.5E-11	1.6E-01	3.8E-02	3.3E-13	2.92058E-06
1.0E-03	2.0E-09	1.6E-01	3.8E-02	1.2E-11	3.9E-01	1.3E-07	1.0E-03	5.4E-11	1.6E-01	3.8E-02	3.3E-13	2.83721E-06
1.0E-03	1.9E-09	1.6E-01	3.8E-02	1.1E-11	3.9E-01	1.3E-07	1.0E-03	5.3E-11	1.6E-01	3.8E-02	3.2E-13	2.74983E-06
1.0E-03	1.8E-09	1.6E-01	3.8E-02	1.1E-11	3.8E-01	1.3E-07	1.0E-03	5.2E-11	1.6E-01	3.8E-02	3.2E-13	2.66082E-06

Risk From New Building Demo - Unmitigated Residential

Franklin School Project
Risk From New Building Demo - Unmitigated Residential

	5.49	Max								Onsite
Receptor #	**Total/ Million**	**Total**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**
1	0.02	2.0E-08	2.0E-01	1.1E-02	1.0E-03	2.3E-06	1.6E-01	5.5E-02	1.9E-08	3.2E-01
2	0.02	2.2E-08	2.2E-01	1.1E-02	1.0E-03	2.5E-06	1.6E-01	5.5E-02	2.1E-08	3.6E-01
3	0.02	2.4E-08	2.4E-01	1.1E-02	1.0E-03	2.7E-06	1.6E-01	5.5E-02	2.4E-08	4.1E-01
4	0.03	2.6E-08	2.6E-01	1.1E-02	1.0E-03	3.0E-06	1.6E-01	5.5E-02	2.6E-08	4.6E-01
5	0.03	2.8E-08	2.9E-01	1.1E-02	1.0E-03	3.3E-06	1.6E-01	5.5E-02	2.8E-08	5.1E-01
6	0.03	3.0E-08	3.1E-01	1.1E-02	1.0E-03	3.5E-06	1.6E-01	5.5E-02	3.0E-08	5.5E-01
7	0.03	3.3E-08	3.3E-01	1.1E-02	1.0E-03	3.8E-06	1.6E-01	5.5E-02	3.2E-08	6.0E-01
8	0.03	3.5E-08	3.5E-01	1.1E-02	1.0E-03	4.0E-06	1.6E-01	5.5E-02	3.4E-08	6.4E-01
9	0.04	3.7E-08	3.7E-01	1.1E-02	1.0E-03	4.2E-06	1.6E-01	5.5E-02	3.7E-08	6.9E-01
10	0.04	3.9E-08	3.9E-01	1.1E-02	1.0E-03	4.5E-06	1.6E-01	5.5E-02	3.8E-08	7.5E-01
11	0.04	4.2E-08	4.2E-01	1.1E-02	1.0E-03	4.8E-06	1.6E-01	5.5E-02	4.2E-08	8.0E-01
12	0.04	4.5E-08	4.5E-01	1.1E-02	1.0E-03	5.2E-06	1.6E-01	5.5E-02	4.5E-08	8.4E-01
13	0.05	4.8E-08	4.8E-01	1.1E-02	1.0E-03	5.5E-06	1.6E-01	5.5E-02	4.7E-08	8.5E-01
14	0.05	5.0E-08	5.0E-01	1.1E-02	1.0E-03	5.8E-06	1.6E-01	5.5E-02	5.0E-08	8.3E-01
15	0.05	5.1E-08	5.2E-01	1.1E-02	1.0E-03	5.9E-06	1.6E-01	5.5E-02	5.1E-08	7.9E-01
16	0.05	5.2E-08	5.3E-01	1.1E-02	1.0E-03	6.0E-06	1.6E-01	5.5E-02	5.2E-08	7.4E-01
17	0.02	2.2E-08	2.2E-01	1.1E-02	1.0E-03	2.5E-06	1.6E-01	5.5E-02	2.2E-08	3.8E-01
18	0.02	2.5E-08	2.5E-01	1.1E-02	1.0E-03	2.8E-06	1.6E-01	5.5E-02	2.4E-08	4.4E-01
19	0.03	2.7E-08	2.8E-01	1.1E-02	1.0E-03	3.2E-06	1.6E-01	5.5E-02	2.7E-08	5.1E-01
20	0.03	3.0E-08	3.1E-01	1.1E-02	1.0E-03	3.5E-06	1.6E-01	5.5E-02	3.0E-08	5.8E-01
21	0.03	3.4E-08	3.4E-01	1.1E-02	1.0E-03	3.9E-06	1.6E-01	5.5E-02	3.3E-08	6.6E-01
22	0.04	3.7E-08	3.7E-01	1.1E-02	1.0E-03	4.2E-06	1.6E-01	5.5E-02	3.7E-08	7.3E-01
23	0.04	4.0E-08	4.0E-01	1.1E-02	1.0E-03	4.6E-06	1.6E-01	5.5E-02	4.0E-08	8.0E-01
24	0.04	4.3E-08	4.3E-01	1.1E-02	1.0E-03	4.9E-06	1.6E-01	5.5E-02	4.2E-08	8.7E-01
25	0.05	4.6E-08	4.6E-01	1.1E-02	1.0E-03	5.3E-06	1.6E-01	5.5E-02	4.6E-08	9.6E-01
26	0.05	4.9E-08	4.9E-01	1.1E-02	1.0E-03	5.6E-06	1.6E-01	5.5E-02	4.9E-08	1.1E+00
27	0.05	5.4E-08	5.4E-01	1.1E-02	1.0E-03	6.2E-06	1.6E-01	5.5E-02	5.3E-08	1.1E+00
28	0.06	5.8E-08	5.9E-01	1.1E-02	1.0E-03	6.7E-06	1.6E-01	5.5E-02	5.8E-08	1.1E+00
29	0.06	6.1E-08	6.2E-01	1.1E-02	1.0E-03	7.1E-06	1.6E-01	5.5E-02	6.1E-08	1.1E+00
30	0.06	6.4E-08	6.5E-01	1.1E-02	1.0E-03	7.4E-06	1.6E-01	5.5E-02	6.4E-08	1.0E+00
31	0.07	6.5E-08	6.6E-01	1.1E-02	1.0E-03	7.5E-06	1.6E-01	5.5E-02	6.5E-08	9.6E-01
32	0.06	6.5E-08	6.5E-01	1.1E-02	1.0E-03	7.5E-06	1.6E-01	5.5E-02	6.4E-08	8.7E-01
33	0.02	2.5E-08	2.5E-01	1.1E-02	1.0E-03	2.8E-06	1.6E-01	5.5E-02	2.5E-08	4.4E-01
34	0.03	2.8E-08	2.8E-01	1.1E-02	1.0E-03	3.2E-06	1.6E-01	5.5E-02	2.8E-08	5.3E-01
35	0.03	3.2E-08	3.2E-01	1.1E-02	1.0E-03	3.7E-06	1.6E-01	5.5E-02	3.2E-08	6.3E-01
36	0.04	3.6E-08	3.6E-01	1.1E-02	1.0E-03	4.2E-06	1.6E-01	5.5E-02	3.6E-08	7.6E-01
37	0.04	4.1E-08	4.1E-01	1.1E-02	1.0E-03	4.7E-06	1.6E-01	5.5E-02	4.0E-08	8.9E-01
38	0.05	4.5E-08	4.6E-01	1.1E-02	1.0E-03	5.2E-06	1.6E-01	5.5E-02	4.5E-08	1.0E+00
39	0.05	5.0E-08	5.1E-01	1.1E-02	1.0E-03	5.8E-06	1.6E-01	5.5E-02	5.0E-08	1.1E+00
40	0.05	5.4E-08	5.5E-01	1.1E-02	1.0E-03	6.3E-06	1.6E-01	5.5E-02	5.4E-08	1.3E+00
41	0.06	5.9E-08	5.9E-01	1.1E-02	1.0E-03	6.8E-06	1.6E-01	5.5E-02	5.9E-08	1.4E+00
42	0.06	6.4E-08	6.5E-01	1.1E-02	1.0E-03	7.4E-06	1.6E-01	5.5E-02	6.4E-08	1.5E+00
43	0.07	7.1E-08	7.2E-01	1.1E-02	1.0E-03	8.2E-06	1.6E-01	5.5E-02	7.1E-08	1.6E+00

44	0.08	7.7E-08	7.8E-01	1.1E-02	1.0E-03	8.9E-06	1.6E-01	5.5E-02	7.7E-08	1.5E+00
45	0.08	8.2E-08	8.3E-01	1.1E-02	1.0E-03	9.5E-06	1.6E-01	5.5E-02	8.1E-08	1.4E+00
46	0.08	8.4E-08	8.5E-01	1.1E-02	1.0E-03	9.7E-06	1.6E-01	5.5E-02	8.3E-08	1.3E+00
47	0.08	8.3E-08	8.4E-01	1.1E-02	1.0E-03	9.6E-06	1.6E-01	5.5E-02	8.3E-08	1.1E+00
48	0.08	8.0E-08	8.1E-01	1.1E-02	1.0E-03	9.3E-06	1.6E-01	5.5E-02	8.0E-08	9.8E-01
49	0.03	2.8E-08	2.8E-01	1.1E-02	1.0E-03	3.2E-06	1.6E-01	5.5E-02	2.8E-08	5.2E-01
50	0.03	3.2E-08	3.2E-01	1.1E-02	1.0E-03	3.7E-06	1.6E-01	5.5E-02	3.2E-08	6.4E-01
51	0.04	3.7E-08	3.8E-01	1.1E-02	1.0E-03	4.3E-06	1.6E-01	5.5E-02	3.7E-08	8.1E-01
52	0.04	4.3E-08	4.4E-01	1.1E-02	1.0E-03	5.0E-06	1.6E-01	5.5E-02	4.3E-08	1.0E+00
53	0.05	5.0E-08	5.0E-01	1.1E-02	1.0E-03	5.8E-06	1.6E-01	5.5E-02	5.0E-08	1.3E+00
54	0.06	5.7E-08	5.8E-01	1.1E-02	1.0E-03	6.6E-06	1.6E-01	5.5E-02	5.7E-08	1.5E+00
55	0.06	6.5E-08	6.5E-01	1.1E-02	1.0E-03	7.5E-06	1.6E-01	5.5E-02	6.4E-08	1.7E+00
56	0.07	7.1E-08	7.2E-01	1.1E-02	1.0E-03	8.2E-06	1.6E-01	5.5E-02	7.1E-08	2.0E+00
57	0.08	7.9E-08	7.9E-01	1.1E-02	1.0E-03	9.1E-06	1.6E-01	5.5E-02	7.8E-08	2.3E+00
58	0.09	8.8E-08	8.9E-01	1.1E-02	1.0E-03	1.0E-05	1.6E-01	5.5E-02	8.7E-08	2.4E+00
59	0.10	1.0E-07	1.0E+00	1.1E-02	1.0E-03	1.2E-05	1.6E-01	5.5E-02	9.9E-08	2.3E+00
60	0.11	1.1E-07	1.1E+00	1.1E-02	1.0E-03	1.2E-05	1.6E-01	5.5E-02	1.1E-07	2.1E+00
61	0.11	1.1E-07	1.1E+00	1.1E-02	1.0E-03	1.3E-05	1.6E-01	5.5E-02	1.1E-07	1.8E+00
62	0.11	1.1E-07	1.1E+00	1.1E-02	1.0E-03	1.3E-05	1.6E-01	5.5E-02	1.1E-07	1.5E+00
63	0.11	1.1E-07	1.1E+00	1.1E-02	1.0E-03	1.2E-05	1.6E-01	5.5E-02	1.1E-07	1.3E+00
64	0.10	9.9E-08	1.0E+00	1.1E-02	1.0E-03	1.1E-05	1.6E-01	5.5E-02	9.9E-08	1.1E+00
65	0.03	3.1E-08	3.1E-01	1.1E-02	1.0E-03	3.6E-06	1.6E-01	5.5E-02	3.1E-08	6.0E-01
66	0.04	3.7E-08	3.7E-01	1.1E-02	1.0E-03	4.2E-06	1.6E-01	5.5E-02	3.6E-08	7.8E-01
67	0.04	4.4E-08	4.4E-01	1.1E-02	1.0E-03	5.0E-06	1.6E-01	5.5E-02	4.3E-08	1.0E+00
68	0.05	5.2E-08	5.3E-01	1.1E-02	1.0E-03	6.0E-06	1.6E-01	5.5E-02	5.2E-08	1.4E+00
69	0.06	6.3E-08	6.3E-01	1.1E-02	1.0E-03	7.2E-06	1.6E-01	5.5E-02	6.2E-08	1.9E+00
70	0.07	7.5E-08	7.5E-01	1.1E-02	1.0E-03	8.6E-06	1.6E-01	5.5E-02	7.4E-08	2.5E+00
71	0.09	8.7E-08	8.8E-01	1.1E-02	1.0E-03	1.0E-05	1.6E-01	5.5E-02	8.7E-08	3.0E+00
72	0.10	9.9E-08	1.0E+00	1.1E-02	1.0E-03	1.1E-05	1.6E-01	5.5E-02	9.8E-08	3.6E+00
73	0.11	1.1E-07	1.1E+00	1.1E-02	1.0E-03	1.3E-05	1.6E-01	5.5E-02	1.1E-07	3.9E+00
74	0.13	1.3E-07	1.3E+00	1.1E-02	1.0E-03	1.5E-05	1.6E-01	5.5E-02	1.3E-07	3.7E+00
75	0.15	1.5E-07	1.5E+00	1.1E-02	1.0E-03	1.7E-05	1.6E-01	5.5E-02	1.5E-07	3.2E+00
76	0.16	1.6E-07	1.6E+00	1.1E-02	1.0E-03	1.8E-05	1.6E-01	5.5E-02	1.6E-07	2.6E+00
77	0.16	1.6E-07	1.6E+00	1.1E-02	1.0E-03	1.8E-05	1.6E-01	5.5E-02	1.6E-07	2.1E+00
78	0.15	1.5E-07	1.5E+00	1.1E-02	1.0E-03	1.7E-05	1.6E-01	5.5E-02	1.5E-07	1.7E+00
79	0.13	1.3E-07	1.4E+00	1.1E-02	1.0E-03	1.6E-05	1.6E-01	5.5E-02	1.3E-07	1.4E+00
80	0.12	1.2E-07	1.2E+00	1.1E-02	1.0E-03	1.4E-05	1.6E-01	5.5E-02	1.2E-07	1.1E+00
81	0.03	3.5E-08	3.5E-01	1.1E-02	1.0E-03	4.0E-06	1.6E-01	5.5E-02	3.4E-08	6.8E-01
82	0.04	4.2E-08	4.2E-01	1.1E-02	1.0E-03	4.8E-06	1.6E-01	5.5E-02	4.2E-08	9.3E-01
83	0.05	5.1E-08	5.2E-01	1.1E-02	1.0E-03	5.9E-06	1.6E-01	5.5E-02	5.1E-08	1.3E+00
84	0.06	6.4E-08	6.4E-01	1.1E-02	1.0E-03	7.4E-06	1.6E-01	5.5E-02	6.3E-08	2.0E+00
85	0.08	8.0E-08	8.1E-01	1.1E-02	1.0E-03	9.2E-06	1.6E-01	5.5E-02	7.9E-08	3.1E+00
86	0.10	1.0E-07	1.0E+00	1.1E-02	1.0E-03	1.2E-05	1.6E-01	5.5E-02	1.0E-07	4.8E+00
87	0.13	1.3E-07	1.3E+00	1.1E-02	1.0E-03	1.4E-05	1.6E-01	5.5E-02	1.2E-07	6.6E+00
88	0.15	1.5E-07	1.5E+00	1.1E-02	1.0E-03	1.7E-05	1.6E-01	5.5E-02	1.5E-07	7.9E+00
89	0.18	1.8E-07	1.8E+00	1.1E-02	1.0E-03	2.0E-05	1.6E-01	5.5E-02	1.8E-07	7.2E+00
90	0.22	2.2E-07	2.2E+00	1.1E-02	1.0E-03	2.5E-05	1.6E-01	5.5E-02	2.1E-07	5.6E+00
91	0.23	2.3E-07	2.4E+00	1.1E-02	1.0E-03	2.7E-05	1.6E-01	5.5E-02	2.3E-07	4.2E+00
92	0.23	2.3E-07	2.4E+00	1.1E-02	1.0E-03	2.7E-05	1.6E-01	5.5E-02	2.3E-07	3.1E+00

93	0.22	2.2E-07	2.2E+00	1.1E-02	1.0E-03	2.5E-05	1.6E-01	5.5E-02	2.2E-07	2.3E+00
94	0.19	1.9E-07	1.9E+00	1.1E-02	1.0E-03	2.2E-05	1.6E-01	5.5E-02	1.9E-07	1.8E+00
95	0.16	1.6E-07	1.7E+00	1.1E-02	1.0E-03	1.9E-05	1.6E-01	5.5E-02	1.6E-07	1.4E+00
96	0.14	1.4E-07	1.4E+00	1.1E-02	1.0E-03	1.6E-05	1.6E-01	5.5E-02	1.4E-07	1.1E+00
97	0.04	3.8E-08	3.8E-01	1.1E-02	1.0E-03	4.4E-06	1.6E-01	5.5E-02	3.8E-08	7.5E-01
98	0.05	4.7E-08	4.7E-01	1.1E-02	1.0E-03	5.4E-06	1.6E-01	5.5E-02	4.7E-08	1.1E+00
99	0.06	6.0E-08	6.0E-01	1.1E-02	1.0E-03	6.9E-06	1.6E-01	5.5E-02	5.9E-08	1.6E+00
100	0.08	7.7E-08	7.8E-01	1.1E-02	1.0E-03	8.9E-06	1.6E-01	5.5E-02	7.7E-08	2.7E+00
101	0.10	1.0E-07	1.0E+00	1.1E-02	1.0E-03	1.2E-05	1.6E-01	5.5E-02	1.0E-07	5.2E+00
102	0.14	1.4E-07	1.4E+00	1.1E-02	1.0E-03	1.6E-05	1.6E-01	5.5E-02	1.4E-07	1.2E+01
103	0.20	2.0E-07	1.9E+00	1.1E-02	1.0E-03	2.2E-05	1.6E-01	5.5E-02	1.9E-07	2.3E+01
104	0.26	2.6E-07	2.6E+00	1.1E-02	1.0E-03	2.9E-05	1.6E-01	5.5E-02	2.5E-07	2.0E+01
105	0.33	3.3E-07	3.3E+00	1.1E-02	1.0E-03	3.8E-05	1.6E-01	5.5E-02	3.2E-07	1.2E+01
106	0.39	3.9E-07	4.0E+00	1.1E-02	1.0E-03	4.6E-05	1.6E-01	5.5E-02	3.9E-07	7.4E+00
107	0.39	3.9E-07	4.0E+00	1.1E-02	1.0E-03	4.5E-05	1.6E-01	5.5E-02	3.9E-07	4.7E+00
108	0.35	3.5E-07	3.6E+00	1.1E-02	1.0E-03	4.1E-05	1.6E-01	5.5E-02	3.5E-07	3.2E+00
109	0.29	2.9E-07	3.0E+00	1.1E-02	1.0E-03	3.4E-05	1.6E-01	5.5E-02	2.9E-07	2.3E+00
110	0.24	2.4E-07	2.4E+00	1.1E-02	1.0E-03	2.8E-05	1.6E-01	5.5E-02	2.4E-07	1.7E+00
111	0.19	1.9E-07	1.9E+00	1.1E-02	1.0E-03	2.2E-05	1.6E-01	5.5E-02	1.9E-07	1.3E+00
112	0.15	1.5E-07	1.6E+00	1.1E-02	1.0E-03	1.8E-05	1.6E-01	5.5E-02	1.5E-07	1.0E+00
113	0.04	4.1E-08	4.2E-01	1.1E-02	1.0E-03	4.8E-06	1.6E-01	5.5E-02	4.1E-08	7.9E-01
114	0.05	5.2E-08	5.3E-01	1.1E-02	1.0E-03	6.0E-06	1.6E-01	5.5E-02	5.2E-08	1.1E+00
115	0.07	6.8E-08	6.9E-01	1.1E-02	1.0E-03	7.9E-06	1.6E-01	5.5E-02	6.8E-08	1.8E+00
116	0.09	9.2E-08	9.4E-01	1.1E-02	1.0E-03	1.1E-05	1.6E-01	5.5E-02	9.2E-08	3.3E+00
117	0.13	1.3E-07	1.3E+00	1.1E-02	1.0E-03	1.5E-05	1.6E-01	5.5E-02	1.3E-07	7.6E+00
118	0.83	8.3E-07	8.4E+00	1.1E-02	1.0E-03	9.6E-05	1.6E-01	5.5E-02	8.3E-07	7.7E+00
119	0.66	6.6E-07	6.7E+00	1.1E-02	1.0E-03	7.6E-05	1.6E-01	5.5E-02	6.6E-07	4.5E+00
120	0.50	5.0E-07	5.1E+00	1.1E-02	1.0E-03	5.8E-05	1.6E-01	5.5E-02	5.0E-07	3.0E+00
121	0.37	3.7E-07	3.8E+00	1.1E-02	1.0E-03	4.3E-05	1.6E-01	5.5E-02	3.7E-07	2.1E+00
122	0.28	2.8E-07	2.8E+00	1.1E-02	1.0E-03	3.2E-05	1.6E-01	5.5E-02	2.8E-07	1.5E+00
123	0.21	2.1E-07	2.1E+00	1.1E-02	1.0E-03	2.4E-05	1.6E-01	5.5E-02	2.1E-07	1.1E+00
124	0.16	1.6E-07	1.6E+00	1.1E-02	1.0E-03	1.9E-05	1.6E-01	5.5E-02	1.6E-07	9.0E-01
125	0.04	4.3E-08	4.4E-01	1.1E-02	1.0E-03	5.0E-06	1.6E-01	5.5E-02	4.3E-08	7.8E-01
126	0.06	5.6E-08	5.6E-01	1.1E-02	1.0E-03	6.4E-06	1.6E-01	5.5E-02	5.6E-08	1.1E+00
127	0.07	7.5E-08	7.6E-01	1.1E-02	1.0E-03	8.6E-06	1.6E-01	5.5E-02	7.4E-08	1.8E+00
128	0.11	1.1E-07	1.1E+00	1.1E-02	1.0E-03	1.2E-05	1.6E-01	5.5E-02	1.0E-07	3.3E+00
129	0.16	1.6E-07	1.6E+00	1.1E-02	1.0E-03	1.8E-05	1.6E-01	5.5E-02	1.6E-07	7.4E+00
130	1.67	1.7E-06	1.7E+01	1.1E-02	1.0E-03	1.9E-04	1.6E-01	5.5E-02	1.7E-06	6.3E+00
131	0.99	9.9E-07	1.0E+01	1.1E-02	1.0E-03	1.2E-04	1.6E-01	5.5E-02	9.9E-07	3.7E+00
132	0.62	6.2E-07	6.3E+00	1.1E-02	1.0E-03	7.2E-05	1.6E-01	5.5E-02	6.2E-07	2.4E+00
133	0.42	4.2E-07	4.2E+00	1.1E-02	1.0E-03	4.9E-05	1.6E-01	5.5E-02	4.2E-07	1.7E+00
134	0.29	2.9E-07	2.9E+00	1.1E-02	1.0E-03	3.4E-05	1.6E-01	5.5E-02	2.9E-07	1.3E+00
135	0.21	2.1E-07	2.1E+00	1.1E-02	1.0E-03	2.4E-05	1.6E-01	5.5E-02	2.1E-07	9.9E-01
136	0.16	1.6E-07	1.6E+00	1.1E-02	1.0E-03	1.8E-05	1.6E-01	5.5E-02	1.6E-07	7.8E-01
137	0.04	4.4E-08	4.5E-01	1.1E-02	1.0E-03	5.1E-06	1.6E-01	5.5E-02	4.4E-08	7.4E-01
138	0.06	5.8E-08	5.9E-01	1.1E-02	1.0E-03	6.7E-06	1.6E-01	5.5E-02	5.8E-08	1.0E+00
139	0.08	7.8E-08	7.9E-01	1.1E-02	1.0E-03	9.0E-06	1.6E-01	5.5E-02	7.8E-08	1.6E+00
140	0.11	1.1E-07	1.1E+00	1.1E-02	1.0E-03	1.3E-05	1.6E-01	5.5E-02	1.1E-07	2.7E+00
141	0.17	1.7E-07	1.8E+00	1.1E-02	1.0E-03	2.0E-05	1.6E-01	5.5E-02	1.7E-07	5.0E+00

142	2.47	2.5E-06	2.5E+01	1.1E-02	1.0E-03	2.9E-04	1.6E-01	5.5E-02	2.5E-06	4.5E+00
143	1.19	1.2E-06	1.2E+01	1.1E-02	1.0E-03	1.4E-04	1.6E-01	5.5E-02	1.2E-06	2.9E+00
144	0.65	6.5E-07	6.7E+00	1.1E-02	1.0E-03	7.6E-05	1.6E-01	5.5E-02	6.5E-07	2.0E+00
145	0.41	4.1E-07	4.2E+00	1.1E-02	1.0E-03	4.8E-05	1.6E-01	5.5E-02	4.1E-07	1.5E+00
146	0.27	2.7E-07	2.8E+00	1.1E-02	1.0E-03	3.1E-05	1.6E-01	5.5E-02	2.7E-07	1.1E+00
147	0.19	1.9E-07	1.9E+00	1.1E-02	1.0E-03	2.2E-05	1.6E-01	5.5E-02	1.9E-07	8.6E-01
148	0.14	1.4E-07	1.4E+00	1.1E-02	1.0E-03	1.6E-05	1.6E-01	5.5E-02	1.4E-07	6.9E-01
149	0.04	4.4E-08	4.5E-01	1.1E-02	1.0E-03	5.1E-06	1.6E-01	5.5E-02	4.4E-08	6.7E-01
150	0.06	5.6E-08	5.7E-01	1.1E-02	1.0E-03	6.5E-06	1.6E-01	5.5E-02	5.6E-08	9.0E-01
151	0.08	7.7E-08	7.8E-01	1.1E-02	1.0E-03	8.9E-06	1.6E-01	5.5E-02	7.7E-08	1.3E+00
152	0.11	1.1E-07	1.1E+00	1.1E-02	1.0E-03	1.3E-05	1.6E-01	5.5E-02	1.1E-07	2.0E+00
153	0.17	1.7E-07	1.7E+00	1.1E-02	1.0E-03	2.0E-05	1.6E-01	5.5E-02	1.7E-07	3.1E+00
154	3.77	3.8E-06	3.8E+01	1.1E-02	1.0E-03	4.4E-04	1.6E-01	5.5E-02	3.8E-06	3.3E+00
155	1.12	1.1E-06	1.1E+01	1.1E-02	1.0E-03	1.3E-04	1.6E-01	5.5E-02	1.1E-06	2.3E+00
156	0.55	5.5E-07	5.6E+00	1.1E-02	1.0E-03	6.4E-05	1.6E-01	5.5E-02	5.5E-07	1.6E+00
157	0.35	3.5E-07	3.6E+00	1.1E-02	1.0E-03	4.1E-05	1.6E-01	5.5E-02	3.5E-07	1.2E+00
158	0.23	2.3E-07	2.4E+00	1.1E-02	1.0E-03	2.7E-05	1.6E-01	5.5E-02	2.3E-07	9.6E-01
159	0.16	1.6E-07	1.7E+00	1.1E-02	1.0E-03	1.9E-05	1.6E-01	5.5E-02	1.6E-07	7.6E-01
160	0.12	1.2E-07	1.2E+00	1.1E-02	1.0E-03	1.4E-05	1.6E-01	5.5E-02	1.2E-07	6.1E-01
161	0.04	4.0E-08	4.0E-01	1.1E-02	1.0E-03	4.6E-06	1.6E-01	5.5E-02	4.0E-08	5.9E-01
162	0.05	5.1E-08	5.2E-01	1.1E-02	1.0E-03	5.9E-06	1.6E-01	5.5E-02	5.1E-08	7.6E-01
163	0.07	6.8E-08	6.9E-01	1.1E-02	1.0E-03	7.8E-06	1.6E-01	5.5E-02	6.8E-08	1.0E+00
164	0.10	9.9E-08	1.0E+00	1.1E-02	1.0E-03	1.2E-05	1.6E-01	5.5E-02	9.9E-08	1.4E+00
165	0.15	1.5E-07	1.6E+00	1.1E-02	1.0E-03	1.8E-05	1.6E-01	5.5E-02	1.5E-07	2.1E+00
166	0.26	2.6E-07	2.7E+00	1.1E-02	1.0E-03	3.0E-05	1.6E-01	5.5E-02	2.6E-07	2.9E+00
167	0.54	5.4E-07	5.5E+00	1.1E-02	1.0E-03	6.3E-05	1.6E-01	5.5E-02	5.4E-07	3.6E+00
168	1.47	1.5E-06	1.5E+01	1.1E-02	1.0E-03	1.7E-04	1.6E-01	5.5E-02	1.5E-06	3.6E+00
169	2.41	2.4E-06	2.5E+01	1.1E-02	1.0E-03	2.8E-04	1.6E-01	5.5E-02	2.4E-06	3.1E+00
170	1.57	1.6E-06	1.6E+01	1.1E-02	1.0E-03	1.8E-04	1.6E-01	5.5E-02	1.6E-06	2.5E+00
171	0.76	7.6E-07	7.8E+00	1.1E-02	1.0E-03	8.9E-05	1.6E-01	5.5E-02	7.6E-07	1.9E+00
172	0.40	4.0E-07	4.0E+00	1.1E-02	1.0E-03	4.6E-05	1.6E-01	5.5E-02	4.0E-07	1.3E+00
173	0.26	2.6E-07	2.6E+00	1.1E-02	1.0E-03	3.0E-05	1.6E-01	5.5E-02	2.6E-07	1.0E+00
174	0.19	1.9E-07	1.9E+00	1.1E-02	1.0E-03	2.2E-05	1.6E-01	5.5E-02	1.9E-07	8.5E-01
175	0.14	1.4E-07	1.4E+00	1.1E-02	1.0E-03	1.6E-05	1.6E-01	5.5E-02	1.4E-07	6.8E-01
176	0.10	1.0E-07	1.1E+00	1.1E-02	1.0E-03	1.2E-05	1.6E-01	5.5E-02	1.0E-07	5.6E-01
177	0.04	3.7E-08	3.8E-01	1.1E-02	1.0E-03	4.3E-06	1.6E-01	5.5E-02	3.7E-08	5.1E-01
178	0.05	4.7E-08	4.8E-01	1.1E-02	1.0E-03	5.4E-06	1.6E-01	5.5E-02	4.7E-08	6.4E-01
179	0.06	6.0E-08	6.1E-01	1.1E-02	1.0E-03	7.0E-06	1.6E-01	5.5E-02	6.0E-08	8.2E-01
180	0.09	8.9E-08	9.0E-01	1.1E-02	1.0E-03	1.0E-05	1.6E-01	5.5E-02	8.9E-08	1.1E+00
181	0.13	1.3E-07	1.3E+00	1.1E-02	1.0E-03	1.5E-05	1.6E-01	5.5E-02	1.3E-07	1.5E+00
182	0.20	2.0E-07	2.0E+00	1.1E-02	1.0E-03	2.3E-05	1.6E-01	5.5E-02	2.0E-07	1.9E+00
183	0.34	3.4E-07	3.4E+00	1.1E-02	1.0E-03	3.9E-05	1.6E-01	5.5E-02	3.4E-07	2.2E+00
184	0.57	5.7E-07	5.8E+00	1.1E-02	1.0E-03	6.6E-05	1.6E-01	5.5E-02	5.7E-07	2.3E+00
185	0.77	7.7E-07	7.8E+00	1.1E-02	1.0E-03	8.9E-05	1.6E-01	5.5E-02	7.7E-07	2.2E+00
186	0.68	6.8E-07	6.9E+00	1.1E-02	1.0E-03	7.9E-05	1.6E-01	5.5E-02	6.8E-07	1.8E+00
187	0.48	4.8E-07	4.8E+00	1.1E-02	1.0E-03	5.5E-05	1.6E-01	5.5E-02	4.8E-07	1.5E+00
188	0.31	3.1E-07	3.2E+00	1.1E-02	1.0E-03	3.6E-05	1.6E-01	5.5E-02	3.1E-07	1.2E+00
189	0.20	2.0E-07	2.0E+00	1.1E-02	1.0E-03	2.3E-05	1.6E-01	5.5E-02	2.0E-07	9.0E-01
190	0.16	1.6E-07	1.6E+00	1.1E-02	1.0E-03	1.8E-05	1.6E-01	5.5E-02	1.5E-07	7.6E-01

191	0.12	1.2E-07	1.2E+00	1.1E-02	1.0E-03	1.4E-05	1.6E-01	5.5E-02	1.2E-07	6.3E-01
192	0.09	9.0E-08	9.2E-01	1.1E-02	1.0E-03	1.0E-05	1.6E-01	5.5E-02	9.0E-08	5.2E-01
193	0.03	3.4E-08	3.5E-01	1.1E-02	1.0E-03	4.0E-06	1.6E-01	5.5E-02	3.4E-08	4.4E-01
194	0.04	4.4E-08	4.5E-01	1.1E-02	1.0E-03	5.1E-06	1.6E-01	5.5E-02	4.4E-08	5.4E-01
195	0.06	5.8E-08	5.9E-01	1.1E-02	1.0E-03	6.7E-06	1.6E-01	5.5E-02	5.8E-08	6.7E-01
196	0.08	7.7E-08	7.8E-01	1.1E-02	1.0E-03	8.9E-06	1.6E-01	5.5E-02	7.7E-08	8.6E-01
197	0.10	1.0E-07	1.1E+00	1.1E-02	1.0E-03	1.2E-05	1.6E-01	5.5E-02	1.0E-07	1.1E+00
198	0.15	1.5E-07	1.5E+00	1.1E-02	1.0E-03	1.7E-05	1.6E-01	5.5E-02	1.5E-07	1.3E+00
199	0.22	2.2E-07	2.2E+00	1.1E-02	1.0E-03	2.6E-05	1.6E-01	5.5E-02	2.2E-07	1.5E+00
200	0.31	3.1E-07	3.2E+00	1.1E-02	1.0E-03	3.6E-05	1.6E-01	5.5E-02	3.1E-07	1.6E+00
201	0.38	3.8E-07	3.9E+00	1.1E-02	1.0E-03	4.4E-05	1.6E-01	5.5E-02	3.8E-07	1.5E+00
202	0.37	3.7E-07	3.7E+00	1.1E-02	1.0E-03	4.3E-05	1.6E-01	5.5E-02	3.7E-07	1.4E+00
203	0.29	2.9E-07	2.9E+00	1.1E-02	1.0E-03	3.3E-05	1.6E-01	5.5E-02	2.9E-07	1.1E+00
204	0.22	2.2E-07	2.3E+00	1.1E-02	1.0E-03	2.6E-05	1.6E-01	5.5E-02	2.2E-07	9.7E-01
205	0.17	1.7E-07	1.7E+00	1.1E-02	1.0E-03	1.9E-05	1.6E-01	5.5E-02	1.7E-07	8.0E-01
206	0.12	1.2E-07	1.2E+00	1.1E-02	1.0E-03	1.4E-05	1.6E-01	5.5E-02	1.2E-07	6.5E-01
207	0.10	1.0E-07	1.0E+00	1.1E-02	1.0E-03	1.2E-05	1.6E-01	5.5E-02	1.0E-07	5.7E-01
208	0.08	8.1E-08	8.2E-01	1.1E-02	1.0E-03	9.4E-06	1.6E-01	5.5E-02	8.1E-08	4.8E-01
209	0.03	3.4E-08	3.4E-01	1.1E-02	1.0E-03	3.9E-06	1.6E-01	5.5E-02	3.4E-08	3.8E-01
210	0.04	4.1E-08	4.2E-01	1.1E-02	1.0E-03	4.8E-06	1.6E-01	5.5E-02	4.1E-08	4.6E-01
211	0.05	5.1E-08	5.2E-01	1.1E-02	1.0E-03	5.9E-06	1.6E-01	5.5E-02	5.1E-08	5.6E-01
212	0.06	6.4E-08	6.5E-01	1.1E-02	1.0E-03	7.5E-06	1.6E-01	5.5E-02	6.4E-08	6.8E-01
213	0.08	8.4E-08	8.5E-01	1.1E-02	1.0E-03	9.7E-06	1.6E-01	5.5E-02	8.4E-08	8.3E-01
214	0.11	1.1E-07	1.2E+00	1.1E-02	1.0E-03	1.3E-05	1.6E-01	5.5E-02	1.1E-07	9.7E-01
215	0.15	1.5E-07	1.6E+00	1.1E-02	1.0E-03	1.8E-05	1.6E-01	5.5E-02	1.5E-07	1.1E+00
216	0.20	2.0E-07	2.0E+00	1.1E-02	1.0E-03	2.3E-05	1.6E-01	5.5E-02	2.0E-07	1.1E+00
217	0.23	2.3E-07	2.3E+00	1.1E-02	1.0E-03	2.6E-05	1.6E-01	5.5E-02	2.3E-07	1.1E+00
218	0.23	2.3E-07	2.3E+00	1.1E-02	1.0E-03	2.7E-05	1.6E-01	5.5E-02	2.3E-07	1.1E+00
219	0.21	2.1E-07	2.1E+00	1.1E-02	1.0E-03	2.4E-05	1.6E-01	5.5E-02	2.1E-07	9.6E-01
220	0.18	1.8E-07	1.8E+00	1.1E-02	1.0E-03	2.1E-05	1.6E-01	5.5E-02	1.8E-07	8.4E-01
221	0.14	1.4E-07	1.4E+00	1.1E-02	1.0E-03	1.7E-05	1.6E-01	5.5E-02	1.4E-07	7.2E-01
222	0.10	1.0E-07	1.1E+00	1.1E-02	1.0E-03	1.2E-05	1.6E-01	5.5E-02	1.0E-07	5.8E-01
223	0.08	8.3E-08	8.4E-01	1.1E-02	1.0E-03	9.6E-06	1.6E-01	5.5E-02	8.3E-08	4.9E-01
224	0.07	7.2E-08	7.4E-01	1.1E-02	1.0E-03	8.4E-06	1.6E-01	5.5E-02	7.2E-08	4.4E-01
225	0.03	3.1E-08	3.1E-01	1.1E-02	1.0E-03	3.6E-06	1.6E-01	5.5E-02	3.1E-08	3.4E-01
226	0.04	3.7E-08	3.7E-01	1.1E-02	1.0E-03	4.3E-06	1.6E-01	5.5E-02	3.7E-08	4.0E-01
227	0.04	4.4E-08	4.5E-01	1.1E-02	1.0E-03	5.1E-06	1.6E-01	5.5E-02	4.4E-08	4.7E-01
228	0.05	5.5E-08	5.6E-01	1.1E-02	1.0E-03	6.3E-06	1.6E-01	5.5E-02	5.5E-08	5.6E-01
229	0.07	6.9E-08	7.0E-01	1.1E-02	1.0E-03	8.0E-06	1.6E-01	5.5E-02	6.9E-08	6.5E-01
230	0.09	8.8E-08	9.0E-01	1.1E-02	1.0E-03	1.0E-05	1.6E-01	5.5E-02	8.8E-08	7.5E-01
231	0.11	1.1E-07	1.1E+00	1.1E-02	1.0E-03	1.3E-05	1.6E-01	5.5E-02	1.1E-07	8.3E-01
232	0.14	1.4E-07	1.4E+00	1.1E-02	1.0E-03	1.6E-05	1.6E-01	5.5E-02	1.4E-07	8.7E-01
233	0.15	1.5E-07	1.6E+00	1.1E-02	1.0E-03	1.8E-05	1.6E-01	5.5E-02	1.5E-07	8.7E-01
234	0.16	1.6E-07	1.6E+00	1.1E-02	1.0E-03	1.8E-05	1.6E-01	5.5E-02	1.6E-07	8.4E-01
235	0.15	1.5E-07	1.5E+00	1.1E-02	1.0E-03	1.8E-05	1.6E-01	5.5E-02	1.5E-07	7.8E-01
236	0.14	1.4E-07	1.4E+00	1.1E-02	1.0E-03	1.6E-05	1.6E-01	5.5E-02	1.4E-07	7.1E-01
237	0.12	1.2E-07	1.2E+00	1.1E-02	1.0E-03	1.3E-05	1.6E-01	5.5E-02	1.2E-07	6.2E-01
238	0.10	9.5E-08	9.7E-01	1.1E-02	1.0E-03	1.1E-05	1.6E-01	5.5E-02	9.5E-08	5.4E-01
239	0.07	7.2E-08	7.4E-01	1.1E-02	1.0E-03	8.4E-06	1.6E-01	5.5E-02	7.2E-08	4.4E-01

240	0.06	6.0E-08	6.1E-01	1.1E-02	1.0E-03	7.0E-06	1.6E-01	5.5E-02	6.0E-08	3.8E-01
241	0.03	2.7E-08	2.8E-01	1.1E-02	1.0E-03	3.2E-06	1.6E-01	5.5E-02	2.7E-08	2.9E-01
242	0.03	3.2E-08	3.3E-01	1.1E-02	1.0E-03	3.8E-06	1.6E-01	5.5E-02	3.2E-08	3.4E-01
243	0.04	3.8E-08	3.9E-01	1.1E-02	1.0E-03	4.5E-06	1.6E-01	5.5E-02	3.8E-08	4.0E-01
244	0.05	4.6E-08	4.7E-01	1.1E-02	1.0E-03	5.3E-06	1.6E-01	5.5E-02	4.6E-08	4.6E-01
245	0.06	5.7E-08	5.7E-01	1.1E-02	1.0E-03	6.6E-06	1.6E-01	5.5E-02	5.7E-08	5.3E-01
246	0.07	6.9E-08	7.0E-01	1.1E-02	1.0E-03	8.0E-06	1.6E-01	5.5E-02	6.9E-08	6.0E-01
247	0.08	8.5E-08	8.6E-01	1.1E-02	1.0E-03	9.8E-06	1.6E-01	5.5E-02	8.5E-08	6.5E-01
248	0.10	1.0E-07	1.0E+00	1.1E-02	1.0E-03	1.2E-05	1.6E-01	5.5E-02	1.0E-07	6.8E-01
249	0.11	1.1E-07	1.1E+00	1.1E-02	1.0E-03	1.3E-05	1.6E-01	5.5E-02	1.1E-07	6.9E-01
250	0.12	1.2E-07	1.2E+00	1.1E-02	1.0E-03	1.3E-05	1.6E-01	5.5E-02	1.2E-07	6.7E-01
251	0.11	1.1E-07	1.1E+00	1.1E-02	1.0E-03	1.3E-05	1.6E-01	5.5E-02	1.1E-07	6.4E-01
252	0.10	1.0E-07	1.1E+00	1.1E-02	1.0E-03	1.2E-05	1.6E-01	5.5E-02	1.0E-07	5.9E-01
253	0.09	9.3E-08	9.5E-01	1.1E-02	1.0E-03	1.1E-05	1.6E-01	5.5E-02	9.3E-08	5.4E-01
254	0.08	8.1E-08	8.2E-01	1.1E-02	1.0E-03	9.4E-06	1.6E-01	5.5E-02	8.1E-08	4.8E-01
255	0.07	6.7E-08	6.9E-01	1.1E-02	1.0E-03	7.8E-06	1.6E-01	5.5E-02	6.7E-08	4.2E-01
256	0.05	5.3E-08	5.4E-01	1.1E-02	1.0E-03	6.2E-06	1.6E-01	5.5E-02	5.3E-08	3.5E-01
257	0.02	2.5E-08	2.5E-01	1.1E-02	1.0E-03	2.9E-06	1.6E-01	5.5E-02	2.5E-08	2.6E-01
258	0.03	2.9E-08	2.9E-01	1.1E-02	1.0E-03	3.3E-06	1.6E-01	5.5E-02	2.9E-08	3.0E-01
259	0.03	3.3E-08	3.4E-01	1.1E-02	1.0E-03	3.9E-06	1.6E-01	5.5E-02	3.3E-08	3.4E-01
260	0.04	4.0E-08	4.0E-01	1.1E-02	1.0E-03	4.6E-06	1.6E-01	5.5E-02	4.0E-08	3.9E-01
261	0.05	4.7E-08	4.8E-01	1.1E-02	1.0E-03	5.5E-06	1.6E-01	5.5E-02	4.7E-08	4.4E-01
262	0.06	5.6E-08	5.7E-01	1.1E-02	1.0E-03	6.5E-06	1.6E-01	5.5E-02	5.6E-08	4.9E-01
263	0.07	6.7E-08	6.8E-01	1.1E-02	1.0E-03	7.7E-06	1.6E-01	5.5E-02	6.7E-08	5.3E-01
264	0.08	7.6E-08	7.8E-01	1.1E-02	1.0E-03	8.9E-06	1.6E-01	5.5E-02	7.6E-08	5.5E-01
265	0.08	8.4E-08	8.5E-01	1.1E-02	1.0E-03	9.7E-06	1.6E-01	5.5E-02	8.4E-08	5.6E-01
266	0.09	8.7E-08	8.9E-01	1.1E-02	1.0E-03	1.0E-05	1.6E-01	5.5E-02	8.7E-08	5.5E-01
267	0.09	8.7E-08	8.8E-01	1.1E-02	1.0E-03	1.0E-05	1.6E-01	5.5E-02	8.7E-08	5.3E-01
268	0.08	8.3E-08	8.4E-01	1.1E-02	1.0E-03	9.6E-06	1.6E-01	5.5E-02	8.3E-08	5.0E-01
269	0.08	7.6E-08	7.7E-01	1.1E-02	1.0E-03	8.8E-06	1.6E-01	5.5E-02	7.6E-08	4.6E-01
270	0.07	6.8E-08	6.9E-01	1.1E-02	1.0E-03	7.9E-06	1.6E-01	5.5E-02	6.8E-08	4.2E-01
271	0.06	5.9E-08	6.0E-01	1.1E-02	1.0E-03	6.9E-06	1.6E-01	5.5E-02	5.9E-08	3.8E-01
272	0.05	4.8E-08	4.9E-01	1.1E-02	1.0E-03	5.6E-06	1.6E-01	5.5E-02	4.8E-08	3.2E-01
273	0.14	1.4E-07	1.4E+00	1.1E-02	1.0E-03	1.6E-05	1.6E-01	5.5E-02	1.4E-07	1.2E+01
274	0.15	1.5E-07	1.5E+00	1.1E-02	1.0E-03	1.7E-05	1.6E-01	5.5E-02	1.5E-07	1.4E+01
275	0.16	1.6E-07	1.6E+00	1.1E-02	1.0E-03	1.8E-05	1.6E-01	5.5E-02	1.6E-07	1.6E+01
276	0.17	1.7E-07	1.7E+00	1.1E-02	1.0E-03	1.9E-05	1.6E-01	5.5E-02	1.7E-07	1.9E+01
277	0.18	1.8E-07	1.8E+00	1.1E-02	1.0E-03	2.1E-05	1.6E-01	5.5E-02	1.8E-07	2.1E+01
278	0.20	2.0E-07	1.9E+00	1.1E-02	1.0E-03	2.2E-05	1.6E-01	5.5E-02	1.9E-07	2.3E+01
279	0.21	2.1E-07	2.0E+00	1.1E-02	1.0E-03	2.3E-05	1.6E-01	5.5E-02	2.0E-07	2.5E+01
280	0.22	2.2E-07	2.1E+00	1.1E-02	1.0E-03	2.4E-05	1.6E-01	5.5E-02	2.1E-07	2.4E+01
281	0.23	2.3E-07	2.3E+00	1.1E-02	1.0E-03	2.6E-05	1.6E-01	5.5E-02	2.2E-07	2.3E+01
282	0.25	2.5E-07	2.4E+00	1.1E-02	1.0E-03	2.7E-05	1.6E-01	5.5E-02	2.4E-07	2.2E+01
283	0.26	2.6E-07	2.6E+00	1.1E-02	1.0E-03	2.9E-05	1.6E-01	5.5E-02	2.5E-07	2.0E+01
284	0.27	2.7E-07	2.7E+00	1.1E-02	1.0E-03	3.1E-05	1.6E-01	5.5E-02	2.6E-07	1.8E+01
285	0.28	2.8E-07	2.8E+00	1.1E-02	1.0E-03	3.2E-05	1.6E-01	5.5E-02	2.8E-07	1.7E+01
286	0.30	3.0E-07	3.0E+00	1.1E-02	1.0E-03	3.4E-05	1.6E-01	5.5E-02	2.9E-07	1.5E+01
287	0.31	3.1E-07	3.1E+00	1.1E-02	1.0E-03	3.6E-05	1.6E-01	5.5E-02	3.1E-07	1.3E+01
288	0.33	3.3E-07	3.3E+00	1.1E-02	1.0E-03	3.8E-05	1.6E-01	5.5E-02	3.2E-07	1.2E+01

289	0.35	3.5E-07	3.5E+00	1.1E-02	1.0E-03	4.0E-05	1.6E-01	5.5E-02	3.4E-07	1.1E+01
290	0.36	3.6E-07	3.7E+00	1.1E-02	1.0E-03	4.2E-05	1.6E-01	5.5E-02	3.6E-07	9.9E+00
291	0.38	3.8E-07	3.8E+00	1.1E-02	1.0E-03	4.4E-05	1.6E-01	5.5E-02	3.8E-07	9.0E+00
292	0.39	3.9E-07	3.9E+00	1.1E-02	1.0E-03	4.5E-05	1.6E-01	5.5E-02	3.9E-07	8.1E+00
293	0.39	3.9E-07	4.0E+00	1.1E-02	1.0E-03	4.6E-05	1.6E-01	5.5E-02	3.9E-07	7.4E+00
294	0.40	4.0E-07	4.0E+00	1.1E-02	1.0E-03	4.6E-05	1.6E-01	5.5E-02	4.0E-07	6.7E+00
295	0.40	4.0E-07	4.1E+00	1.1E-02	1.0E-03	4.6E-05	1.6E-01	5.5E-02	4.0E-07	6.1E+00
296	0.40	4.0E-07	4.0E+00	1.1E-02	1.0E-03	4.6E-05	1.6E-01	5.5E-02	4.0E-07	5.6E+00
297	0.40	4.0E-07	4.0E+00	1.1E-02	1.0E-03	4.6E-05	1.6E-01	5.5E-02	4.0E-07	5.1E+00
298	0.39	3.9E-07	4.0E+00	1.1E-02	1.0E-03	4.5E-05	1.6E-01	5.5E-02	3.9E-07	4.7E+00
299	0.15	1.5E-07	1.5E+00	1.1E-02	1.0E-03	1.7E-05	1.6E-01	5.5E-02	1.5E-07	1.4E+01
300	0.16	1.6E-07	1.6E+00	1.1E-02	1.0E-03	1.8E-05	1.6E-01	5.5E-02	1.6E-07	1.8E+01
301	0.17	1.7E-07	1.7E+00	1.1E-02	1.0E-03	2.0E-05	1.6E-01	5.5E-02	1.7E-07	2.2E+01
302	0.19	1.9E-07	1.8E+00	1.1E-02	1.0E-03	2.1E-05	1.6E-01	5.5E-02	1.8E-07	2.6E+01
303	0.20	2.0E-07	2.0E+00	1.1E-02	1.0E-03	2.3E-05	1.6E-01	5.5E-02	1.9E-07	3.1E+01
304	0.21	2.1E-07	2.1E+00	1.1E-02	1.0E-03	2.4E-05	1.6E-01	5.5E-02	2.1E-07	3.4E+01
305	0.23	2.3E-07	2.2E+00	1.1E-02	1.0E-03	2.6E-05	1.6E-01	5.5E-02	2.2E-07	3.5E+01
306	0.24	2.4E-07	2.4E+00	1.1E-02	1.0E-03	2.7E-05	1.6E-01	5.5E-02	2.3E-07	3.3E+01
307	0.26	2.6E-07	2.5E+00	1.1E-02	1.0E-03	2.9E-05	1.6E-01	5.5E-02	2.5E-07	3.0E+01
308	0.27	2.7E-07	2.7E+00	1.1E-02	1.0E-03	3.1E-05	1.6E-01	5.5E-02	2.7E-07	2.7E+01
309	0.29	2.9E-07	2.9E+00	1.1E-02	1.0E-03	3.3E-05	1.6E-01	5.5E-02	2.8E-07	2.4E+01
310	0.31	3.1E-07	3.0E+00	1.1E-02	1.0E-03	3.5E-05	1.6E-01	5.5E-02	3.0E-07	2.1E+01
311	0.32	3.2E-07	3.2E+00	1.1E-02	1.0E-03	3.7E-05	1.6E-01	5.5E-02	3.2E-07	1.9E+01
312	0.34	3.4E-07	3.4E+00	1.1E-02	1.0E-03	3.9E-05	1.6E-01	5.5E-02	3.3E-07	1.7E+01
313	0.36	3.6E-07	3.6E+00	1.1E-02	1.0E-03	4.2E-05	1.6E-01	5.5E-02	3.6E-07	1.5E+01
314	0.38	3.8E-07	3.8E+00	1.1E-02	1.0E-03	4.4E-05	1.6E-01	5.5E-02	3.8E-07	1.3E+01
315	0.40	4.0E-07	4.0E+00	1.1E-02	1.0E-03	4.6E-05	1.6E-01	5.5E-02	4.0E-07	1.2E+01
316	0.42	4.2E-07	4.3E+00	1.1E-02	1.0E-03	4.9E-05	1.6E-01	5.5E-02	4.2E-07	1.0E+01
317	0.44	4.4E-07	4.4E+00	1.1E-02	1.0E-03	5.1E-05	1.6E-01	5.5E-02	4.4E-07	9.4E+00
318	0.45	4.5E-07	4.5E+00	1.1E-02	1.0E-03	5.2E-05	1.6E-01	5.5E-02	4.5E-07	8.4E+00
319	0.45	4.5E-07	4.6E+00	1.1E-02	1.0E-03	5.2E-05	1.6E-01	5.5E-02	4.5E-07	7.6E+00
320	0.45	4.5E-07	4.6E+00	1.1E-02	1.0E-03	5.3E-05	1.6E-01	5.5E-02	4.5E-07	6.9E+00
321	0.45	4.5E-07	4.6E+00	1.1E-02	1.0E-03	5.3E-05	1.6E-01	5.5E-02	4.5E-07	6.2E+00
322	0.45	4.5E-07	4.6E+00	1.1E-02	1.0E-03	5.2E-05	1.6E-01	5.5E-02	4.5E-07	5.7E+00
323	0.44	4.4E-07	4.5E+00	1.1E-02	1.0E-03	5.1E-05	1.6E-01	5.5E-02	4.4E-07	5.2E+00
324	0.44	4.4E-07	4.4E+00	1.1E-02	1.0E-03	5.1E-05	1.6E-01	5.5E-02	4.4E-07	4.8E+00
325	0.16	1.6E-07	1.6E+00	1.1E-02	1.0E-03	1.9E-05	1.6E-01	5.5E-02	1.6E-07	1.8E+01
326	0.17	1.7E-07	1.7E+00	1.1E-02	1.0E-03	2.0E-05	1.6E-01	5.5E-02	1.7E-07	2.3E+01
327	0.19	1.9E-07	1.9E+00	1.1E-02	1.0E-03	2.1E-05	1.6E-01	5.5E-02	1.8E-07	2.9E+01
328	0.21	2.1E-07	2.0E+00	1.1E-02	1.0E-03	2.3E-05	1.6E-01	5.5E-02	2.0E-07	3.8E+01
329	0.22	2.2E-07	2.2E+00	1.1E-02	1.0E-03	2.5E-05	1.6E-01	5.5E-02	2.1E-07	4.8E+01
330	0.23	2.3E-07	2.3E+00	1.1E-02	1.0E-03	2.7E-05	1.6E-01	5.5E-02	2.3E-07	5.4E+01
331	0.25	2.5E-07	2.5E+00	1.1E-02	1.0E-03	2.8E-05	1.6E-01	5.5E-02	2.4E-07	5.3E+01
332	0.26	2.6E-07	2.7E+00	1.1E-02	1.0E-03	3.0E-05	1.6E-01	5.5E-02	2.6E-07	4.7E+01
333	0.28	2.8E-07	2.9E+00	1.1E-02	1.0E-03	3.3E-05	1.6E-01	5.5E-02	2.8E-07	4.0E+01
334	0.31	3.1E-07	3.1E+00	1.1E-02	1.0E-03	3.5E-05	1.6E-01	5.5E-02	3.0E-07	3.4E+01
335	0.33	3.3E-07	3.3E+00	1.1E-02	1.0E-03	3.8E-05	1.6E-01	5.5E-02	3.3E-07	2.9E+01
336	0.35	3.5E-07	3.5E+00	1.1E-02	1.0E-03	4.0E-05	1.6E-01	5.5E-02	3.4E-07	2.4E+01
337	0.38	3.8E-07	3.7E+00	1.1E-02	1.0E-03	4.3E-05	1.6E-01	5.5E-02	3.7E-07	2.1E+01

338	0.40	4.0E-07	4.0E+00	1.1E-02	1.0E-03	4.5E-05	1.6E-01	5.5E-02	3.9E-07	1.8E+01
339	0.43	4.3E-07	4.3E+00	1.1E-02	1.0E-03	4.9E-05	1.6E-01	5.5E-02	4.2E-07	1.6E+01
340	0.45	4.5E-07	4.5E+00	1.1E-02	1.0E-03	5.2E-05	1.6E-01	5.5E-02	4.4E-07	1.4E+01
341	0.47	4.7E-07	4.8E+00	1.1E-02	1.0E-03	5.4E-05	1.6E-01	5.5E-02	4.7E-07	1.2E+01
342	0.50	5.0E-07	5.0E+00	1.1E-02	1.0E-03	5.7E-05	1.6E-01	5.5E-02	4.9E-07	1.1E+01
343	0.51	5.1E-07	5.2E+00	1.1E-02	1.0E-03	5.9E-05	1.6E-01	5.5E-02	5.1E-07	9.7E+00
344	0.52	5.2E-07	5.3E+00	1.1E-02	1.0E-03	6.0E-05	1.6E-01	5.5E-02	5.2E-07	8.7E+00
345	0.52	5.2E-07	5.3E+00	1.1E-02	1.0E-03	6.1E-05	1.6E-01	5.5E-02	5.2E-07	7.8E+00
346	0.52	5.2E-07	5.3E+00	1.1E-02	1.0E-03	6.0E-05	1.6E-01	5.5E-02	5.2E-07	7.0E+00
347	0.52	5.2E-07	5.2E+00	1.1E-02	1.0E-03	6.0E-05	1.6E-01	5.5E-02	5.2E-07	6.3E+00
348	0.51	5.1E-07	5.2E+00	1.1E-02	1.0E-03	5.9E-05	1.6E-01	5.5E-02	5.1E-07	5.7E+00
349	0.50	5.0E-07	5.0E+00	1.1E-02	1.0E-03	5.8E-05	1.6E-01	5.5E-02	5.0E-07	5.2E+00
350	0.49	4.9E-07	4.9E+00	1.1E-02	1.0E-03	5.6E-05	1.6E-01	5.5E-02	4.8E-07	4.8E+00
351	0.17	1.7E-07	1.7E+00	1.1E-02	1.0E-03	2.0E-05	1.6E-01	5.5E-02	1.7E-07	2.1E+01
352	0.19	1.9E-07	1.9E+00	1.1E-02	1.0E-03	2.1E-05	1.6E-01	5.5E-02	1.8E-07	2.9E+01
353	0.21	2.1E-07	2.0E+00	1.1E-02	1.0E-03	2.3E-05	1.6E-01	5.5E-02	2.0E-07	4.0E+01
354	0.22	2.2E-07	2.2E+00	1.1E-02	1.0E-03	2.5E-05	1.6E-01	5.5E-02	2.2E-07	5.7E+01
355	0.24	2.4E-07	2.4E+00	1.1E-02	1.0E-03	2.7E-05	1.6E-01	5.5E-02	2.3E-07	2.2E+01
356	0.26	2.6E-07	2.6E+00	1.1E-02	1.0E-03	3.0E-05	1.6E-01	5.5E-02	2.5E-07	2.5E+01
357	0.28	2.8E-07	2.8E+00	1.1E-02	1.0E-03	3.2E-05	1.6E-01	5.5E-02	2.7E-07	2.6E+01
358	0.30	3.0E-07	3.0E+00	1.1E-02	1.0E-03	3.5E-05	1.6E-01	5.5E-02	3.0E-07	6.8E+01
359	0.32	3.2E-07	3.3E+00	1.1E-02	1.0E-03	3.7E-05	1.6E-01	5.5E-02	3.2E-07	5.2E+01
360	0.36	3.6E-07	3.5E+00	1.1E-02	1.0E-03	4.0E-05	1.6E-01	5.5E-02	3.5E-07	4.1E+01
361	0.38	3.8E-07	3.8E+00	1.1E-02	1.0E-03	4.4E-05	1.6E-01	5.5E-02	3.8E-07	3.3E+01
362	0.41	4.1E-07	4.1E+00	1.1E-02	1.0E-03	4.7E-05	1.6E-01	5.5E-02	4.0E-07	2.8E+01
363	0.44	4.4E-07	4.4E+00	1.1E-02	1.0E-03	5.0E-05	1.6E-01	5.5E-02	4.3E-07	2.3E+01
364	0.47	4.7E-07	4.7E+00	1.1E-02	1.0E-03	5.4E-05	1.6E-01	5.5E-02	4.6E-07	2.0E+01
365	0.50	5.0E-07	5.1E+00	1.1E-02	1.0E-03	5.8E-05	1.6E-01	5.5E-02	5.0E-07	1.7E+01
366	0.54	5.4E-07	5.4E+00	1.1E-02	1.0E-03	6.2E-05	1.6E-01	5.5E-02	5.3E-07	1.5E+01
367	0.56	5.6E-07	5.7E+00	1.1E-02	1.0E-03	6.5E-05	1.6E-01	5.5E-02	5.6E-07	1.3E+01
368	0.59	5.9E-07	6.0E+00	1.1E-02	1.0E-03	6.8E-05	1.6E-01	5.5E-02	5.9E-07	1.1E+01
369	0.61	6.1E-07	6.1E+00	1.1E-02	1.0E-03	7.0E-05	1.6E-01	5.5E-02	6.0E-07	9.9E+00
370	0.61	6.1E-07	6.2E+00	1.1E-02	1.0E-03	7.1E-05	1.6E-01	5.5E-02	6.1E-07	8.8E+00
371	0.61	6.1E-07	6.2E+00	1.1E-02	1.0E-03	7.0E-05	1.6E-01	5.5E-02	6.1E-07	7.8E+00
372	0.60	6.0E-07	6.1E+00	1.1E-02	1.0E-03	7.0E-05	1.6E-01	5.5E-02	6.0E-07	7.0E+00
373	0.59	5.9E-07	6.0E+00	1.1E-02	1.0E-03	6.8E-05	1.6E-01	5.5E-02	5.9E-07	6.3E+00
374	0.57	5.7E-07	5.8E+00	1.1E-02	1.0E-03	6.7E-05	1.6E-01	5.5E-02	5.7E-07	5.7E+00
375	0.56	5.6E-07	5.7E+00	1.1E-02	1.0E-03	6.5E-05	1.6E-01	5.5E-02	5.6E-07	5.2E+00
376	0.54	5.4E-07	5.5E+00	1.1E-02	1.0E-03	6.2E-05	1.6E-01	5.5E-02	5.4E-07	4.7E+00
377	0.19	1.9E-07	1.9E+00	1.1E-02	1.0E-03	2.1E-05	1.6E-01	5.5E-02	1.8E-07	2.5E+01
378	0.20	2.0E-07	2.0E+00	1.1E-02	1.0E-03	2.3E-05	1.6E-01	5.5E-02	2.0E-07	3.6E+01
379	0.22	2.2E-07	2.2E+00	1.1E-02	1.0E-03	2.5E-05	1.6E-01	5.5E-02	2.2E-07	5.3E+01
380	0.24	2.4E-07	2.4E+00	1.1E-02	1.0E-03	2.7E-05	1.6E-01	5.5E-02	2.4E-07	2.8E+01
381	0.26	2.6E-07	2.6E+00	1.1E-02	1.0E-03	3.0E-05	1.6E-01	5.5E-02	2.6E-07	3.4E+01
382	0.69	6.9E-07	7.0E+00	1.1E-02	1.0E-03	7.9E-05	1.6E-01	5.5E-02	6.8E-07	1.3E+01
383	0.71	7.1E-07	7.2E+00	1.1E-02	1.0E-03	8.2E-05	1.6E-01	5.5E-02	7.1E-07	1.1E+01
384	0.72	7.2E-07	7.3E+00	1.1E-02	1.0E-03	8.4E-05	1.6E-01	5.5E-02	7.2E-07	1.0E+01
385	0.72	7.2E-07	7.3E+00	1.1E-02	1.0E-03	8.4E-05	1.6E-01	5.5E-02	7.2E-07	8.8E+00
386	0.71	7.1E-07	7.2E+00	1.1E-02	1.0E-03	8.2E-05	1.6E-01	5.5E-02	7.1E-07	7.8E+00

387	0.69	6.9E-07	7.0E+00	1.1E-02	1.0E-03	8.0E-05	1.6E-01	5.5E-02	6.9E-07	7.0E+00
388	0.67	6.7E-07	6.8E+00	1.1E-02	1.0E-03	7.8E-05	1.6E-01	5.5E-02	6.7E-07	6.3E+00
389	0.65	6.5E-07	6.6E+00	1.1E-02	1.0E-03	7.5E-05	1.6E-01	5.5E-02	6.5E-07	5.6E+00
390	0.62	6.2E-07	6.3E+00	1.1E-02	1.0E-03	7.2E-05	1.6E-01	5.5E-02	6.2E-07	5.1E+00
391	0.60	6.0E-07	6.1E+00	1.1E-02	1.0E-03	6.9E-05	1.6E-01	5.5E-02	6.0E-07	4.6E+00
392	0.20	2.0E-07	2.0E+00	1.1E-02	1.0E-03	2.3E-05	1.6E-01	5.5E-02	2.0E-07	2.9E+01
393	0.22	2.2E-07	2.2E+00	1.1E-02	1.0E-03	2.5E-05	1.6E-01	5.5E-02	2.1E-07	4.2E+01
394	0.24	2.4E-07	2.4E+00	1.1E-02	1.0E-03	2.7E-05	1.6E-01	5.5E-02	2.3E-07	6.4E+01
395	0.26	2.6E-07	2.6E+00	1.1E-02	1.0E-03	3.0E-05	1.6E-01	5.5E-02	2.6E-07	4.2E+01
396	0.29	2.9E-07	2.9E+00	1.1E-02	1.0E-03	3.3E-05	1.6E-01	5.5E-02	2.9E-07	5.7E+01
397	0.85	8.5E-07	8.6E+00	1.1E-02	1.0E-03	9.8E-05	1.6E-01	5.5E-02	8.5E-07	1.3E+01
398	0.87	8.7E-07	8.8E+00	1.1E-02	1.0E-03	1.0E-04	1.6E-01	5.5E-02	8.7E-07	1.1E+01
399	0.87	8.7E-07	8.8E+00	1.1E-02	1.0E-03	1.0E-04	1.6E-01	5.5E-02	8.7E-07	1.0E+01
400	0.85	8.5E-07	8.7E+00	1.1E-02	1.0E-03	9.9E-05	1.6E-01	5.5E-02	8.5E-07	8.8E+00
401	0.83	8.3E-07	8.4E+00	1.1E-02	1.0E-03	9.6E-05	1.6E-01	5.5E-02	8.3E-07	7.7E+00
402	0.80	8.0E-07	8.1E+00	1.1E-02	1.0E-03	9.2E-05	1.6E-01	5.5E-02	8.0E-07	6.9E+00
403	0.76	7.6E-07	7.7E+00	1.1E-02	1.0E-03	8.8E-05	1.6E-01	5.5E-02	7.6E-07	6.1E+00
404	0.73	7.3E-07	7.4E+00	1.1E-02	1.0E-03	8.4E-05	1.6E-01	5.5E-02	7.3E-07	5.5E+00
405	0.69	6.9E-07	7.0E+00	1.1E-02	1.0E-03	8.0E-05	1.6E-01	5.5E-02	6.9E-07	5.0E+00
406	0.66	6.6E-07	6.7E+00	1.1E-02	1.0E-03	7.6E-05	1.6E-01	5.5E-02	6.6E-07	4.5E+00
407	0.21	2.1E-07	2.1E+00	1.1E-02	1.0E-03	2.4E-05	1.6E-01	5.5E-02	2.1E-07	3.1E+01
408	0.23	2.3E-07	2.3E+00	1.1E-02	1.0E-03	2.7E-05	1.6E-01	5.5E-02	2.3E-07	4.5E+01
409	0.26	2.6E-07	2.6E+00	1.1E-02	1.0E-03	2.9E-05	1.6E-01	5.5E-02	2.5E-07	7.1E+01
410	0.29	2.9E-07	2.8E+00	1.1E-02	1.0E-03	3.2E-05	1.6E-01	5.5E-02	2.8E-07	1.7E+01
411	0.31	3.1E-07	3.2E+00	1.1E-02	1.0E-03	3.6E-05	1.6E-01	5.5E-02	3.1E-07	2.0E+01
412	1.07	1.1E-06	1.1E+01	1.1E-02	1.0E-03	1.2E-04	1.6E-01	5.5E-02	1.1E-06	1.3E+01
413	1.08	1.1E-06	1.1E+01	1.1E-02	1.0E-03	1.3E-04	1.6E-01	5.5E-02	1.1E-06	1.1E+01
414	1.06	1.1E-06	1.1E+01	1.1E-02	1.0E-03	1.2E-04	1.6E-01	5.5E-02	1.1E-06	9.8E+00
415	1.02	1.0E-06	1.0E+01	1.1E-02	1.0E-03	1.2E-04	1.6E-01	5.5E-02	1.0E-06	8.6E+00
416	0.97	9.7E-07	9.8E+00	1.1E-02	1.0E-03	1.1E-04	1.6E-01	5.5E-02	9.7E-07	7.6E+00
417	0.92	9.2E-07	9.3E+00	1.1E-02	1.0E-03	1.1E-04	1.6E-01	5.5E-02	9.2E-07	6.7E+00
418	0.87	8.7E-07	8.8E+00	1.1E-02	1.0E-03	1.0E-04	1.6E-01	5.5E-02	8.6E-07	6.0E+00
419	0.81	8.1E-07	8.3E+00	1.1E-02	1.0E-03	9.4E-05	1.6E-01	5.5E-02	8.1E-07	5.4E+00
420	0.77	7.7E-07	7.8E+00	1.1E-02	1.0E-03	8.9E-05	1.6E-01	5.5E-02	7.7E-07	4.9E+00
421	0.72	7.2E-07	7.3E+00	1.1E-02	1.0E-03	8.4E-05	1.6E-01	5.5E-02	7.2E-07	4.4E+00
422	0.23	2.3E-07	2.3E+00	1.1E-02	1.0E-03	2.6E-05	1.6E-01	5.5E-02	2.2E-07	3.2E+01
423	0.25	2.5E-07	2.5E+00	1.1E-02	1.0E-03	2.9E-05	1.6E-01	5.5E-02	2.5E-07	4.7E+01
424	0.28	2.8E-07	2.8E+00	1.1E-02	1.0E-03	3.2E-05	1.6E-01	5.5E-02	2.7E-07	7.5E+01
425	0.31	3.1E-07	3.1E+00	1.1E-02	1.0E-03	3.5E-05	1.6E-01	5.5E-02	3.0E-07	6.2E+01
426	0.35	3.5E-07	3.5E+00	1.1E-02	1.0E-03	4.0E-05	1.6E-01	5.5E-02	3.4E-07	3.4E+01
427	1.39	1.4E-06	1.4E+01	1.1E-02	1.0E-03	1.6E-04	1.6E-01	5.5E-02	1.4E-06	1.3E+01
428	1.35	1.4E-06	1.4E+01	1.1E-02	1.0E-03	1.6E-04	1.6E-01	5.5E-02	1.4E-06	1.1E+01
429	1.29	1.3E-06	1.3E+01	1.1E-02	1.0E-03	1.5E-04	1.6E-01	5.5E-02	1.3E-06	9.5E+00
430	1.21	1.2E-06	1.2E+01	1.1E-02	1.0E-03	1.4E-04	1.6E-01	5.5E-02	1.2E-06	8.3E+00
431	1.13	1.1E-06	1.1E+01	1.1E-02	1.0E-03	1.3E-04	1.6E-01	5.5E-02	1.1E-06	7.3E+00
432	1.05	1.0E-06	1.1E+01	1.1E-02	1.0E-03	1.2E-04	1.6E-01	5.5E-02	1.0E-06	6.5E+00
433	0.98	9.8E-07	9.9E+00	1.1E-02	1.0E-03	1.1E-04	1.6E-01	5.5E-02	9.8E-07	5.8E+00
434	0.91	9.1E-07	9.2E+00	1.1E-02	1.0E-03	1.1E-04	1.6E-01	5.5E-02	9.1E-07	5.2E+00
435	0.84	8.4E-07	8.6E+00	1.1E-02	1.0E-03	9.8E-05	1.6E-01	5.5E-02	8.4E-07	4.7E+00

436	0.79	7.9E-07	8.0E+00	1.1E-02	1.0E-03	9.1E-05	1.6E-01	5.5E-02	7.9E-07	4.3E+00
437	0.24	2.4E-07	2.4E+00	1.1E-02	1.0E-03	2.8E-05	1.6E-01	5.5E-02	2.4E-07	3.2E+01
438	0.27	2.7E-07	2.7E+00	1.1E-02	1.0E-03	3.1E-05	1.6E-01	5.5E-02	2.6E-07	4.7E+01
439	0.30	3.0E-07	3.0E+00	1.1E-02	1.0E-03	3.4E-05	1.6E-01	5.5E-02	2.9E-07	7.4E+01
440	0.33	3.3E-07	3.3E+00	1.1E-02	1.0E-03	3.8E-05	1.6E-01	5.5E-02	3.3E-07	6.2E+01
441	0.38	3.8E-07	3.8E+00	1.1E-02	1.0E-03	4.4E-05	1.6E-01	5.5E-02	3.8E-07	3.0E+01
442	1.84	1.8E-06	1.9E+01	1.1E-02	1.0E-03	2.1E-04	1.6E-01	5.5E-02	1.8E-06	1.2E+01
443	1.71	1.7E-06	1.7E+01	1.1E-02	1.0E-03	2.0E-04	1.6E-01	5.5E-02	1.7E-06	1.1E+01
444	1.56	1.6E-06	1.6E+01	1.1E-02	1.0E-03	1.8E-04	1.6E-01	5.5E-02	1.6E-06	9.1E+00
445	1.42	1.4E-06	1.4E+01	1.1E-02	1.0E-03	1.7E-04	1.6E-01	5.5E-02	1.4E-06	8.0E+00
446	1.30	1.3E-06	1.3E+01	1.1E-02	1.0E-03	1.5E-04	1.6E-01	5.5E-02	1.3E-06	7.0E+00
447	1.19	1.2E-06	1.2E+01	1.1E-02	1.0E-03	1.4E-04	1.6E-01	5.5E-02	1.2E-06	6.2E+00
448	1.09	1.1E-06	1.1E+01	1.1E-02	1.0E-03	1.3E-04	1.6E-01	5.5E-02	1.1E-06	5.6E+00
449	1.01	1.0E-06	1.0E+01	1.1E-02	1.0E-03	1.2E-04	1.6E-01	5.5E-02	1.0E-06	5.0E+00
450	0.93	9.3E-07	9.4E+00	1.1E-02	1.0E-03	1.1E-04	1.6E-01	5.5E-02	9.2E-07	4.5E+00
451	0.86	8.6E-07	8.7E+00	1.1E-02	1.0E-03	9.9E-05	1.6E-01	5.5E-02	8.5E-07	4.1E+00
452	0.25	2.5E-07	2.5E+00	1.1E-02	1.0E-03	2.9E-05	1.6E-01	5.5E-02	2.5E-07	3.0E+01
453	0.28	2.8E-07	2.8E+00	1.1E-02	1.0E-03	3.3E-05	1.6E-01	5.5E-02	2.8E-07	4.5E+01
454	0.32	3.2E-07	3.2E+00	1.1E-02	1.0E-03	3.7E-05	1.6E-01	5.5E-02	3.2E-07	7.0E+01
455	0.36	3.6E-07	3.6E+00	1.1E-02	1.0E-03	4.2E-05	1.6E-01	5.5E-02	3.6E-07	1.5E+01
456	0.42	4.2E-07	4.2E+00	1.1E-02	1.0E-03	4.8E-05	1.6E-01	5.5E-02	4.1E-07	1.8E+01
457	2.42	2.4E-06	2.5E+01	1.1E-02	1.0E-03	2.8E-04	1.6E-01	5.5E-02	2.4E-06	1.2E+01
458	2.13	2.1E-06	2.2E+01	1.1E-02	1.0E-03	2.5E-04	1.6E-01	5.5E-02	2.1E-06	1.0E+01
459	1.87	1.9E-06	1.9E+01	1.1E-02	1.0E-03	2.2E-04	1.6E-01	5.5E-02	1.9E-06	8.7E+00
460	1.66	1.7E-06	1.7E+01	1.1E-02	1.0E-03	1.9E-04	1.6E-01	5.5E-02	1.7E-06	7.6E+00
461	1.48	1.5E-06	1.5E+01	1.1E-02	1.0E-03	1.7E-04	1.6E-01	5.5E-02	1.5E-06	6.7E+00
462	1.34	1.3E-06	1.4E+01	1.1E-02	1.0E-03	1.6E-04	1.6E-01	5.5E-02	1.3E-06	6.0E+00
463	1.22	1.2E-06	1.2E+01	1.1E-02	1.0E-03	1.4E-04	1.6E-01	5.5E-02	1.2E-06	5.3E+00
464	1.11	1.1E-06	1.1E+01	1.1E-02	1.0E-03	1.3E-04	1.6E-01	5.5E-02	1.1E-06	4.8E+00
465	1.01	1.0E-06	1.0E+01	1.1E-02	1.0E-03	1.2E-04	1.6E-01	5.5E-02	1.0E-06	4.3E+00
466	0.92	9.2E-07	9.4E+00	1.1E-02	1.0E-03	1.1E-04	1.6E-01	5.5E-02	9.2E-07	3.9E+00
467	0.27	2.7E-07	2.7E+00	1.1E-02	1.0E-03	3.1E-05	1.6E-01	5.5E-02	2.6E-07	2.8E+01
468	0.30	3.0E-07	3.0E+00	1.1E-02	1.0E-03	3.4E-05	1.6E-01	5.5E-02	3.0E-07	4.0E+01
469	0.34	3.4E-07	3.4E+00	1.1E-02	1.0E-03	3.9E-05	1.6E-01	5.5E-02	3.4E-07	6.1E+01
470	0.39	3.9E-07	3.9E+00	1.1E-02	1.0E-03	4.5E-05	1.6E-01	5.5E-02	3.9E-07	3.9E+01
471	0.45	4.5E-07	4.6E+00	1.1E-02	1.0E-03	5.2E-05	1.6E-01	5.5E-02	4.5E-07	5.0E+01
472	3.10	3.1E-06	3.1E+01	1.1E-02	1.0E-03	3.6E-04	1.6E-01	5.5E-02	3.1E-06	1.1E+01
473	2.58	2.6E-06	2.6E+01	1.1E-02	1.0E-03	3.0E-04	1.6E-01	5.5E-02	2.6E-06	9.3E+00
474	2.19	2.2E-06	2.2E+01	1.1E-02	1.0E-03	2.5E-04	1.6E-01	5.5E-02	2.2E-06	8.2E+00
475	1.90	1.9E-06	1.9E+01	1.1E-02	1.0E-03	2.2E-04	1.6E-01	5.5E-02	1.9E-06	7.2E+00
476	1.67	1.7E-06	1.7E+01	1.1E-02	1.0E-03	1.9E-04	1.6E-01	5.5E-02	1.7E-06	6.3E+00
477	1.49	1.5E-06	1.5E+01	1.1E-02	1.0E-03	1.7E-04	1.6E-01	5.5E-02	1.5E-06	5.7E+00
478	1.34	1.3E-06	1.4E+01	1.1E-02	1.0E-03	1.6E-04	1.6E-01	5.5E-02	1.3E-06	5.1E+00
479	1.21	1.2E-06	1.2E+01	1.1E-02	1.0E-03	1.4E-04	1.6E-01	5.5E-02	1.2E-06	4.6E+00
480	1.10	1.1E-06	1.1E+01	1.1E-02	1.0E-03	1.3E-04	1.6E-01	5.5E-02	1.1E-06	4.1E+00
481	0.99	9.9E-07	1.0E+01	1.1E-02	1.0E-03	1.2E-04	1.6E-01	5.5E-02	9.9E-07	3.7E+00
482	0.28	2.8E-07	2.8E+00	1.1E-02	1.0E-03	3.2E-05	1.6E-01	5.5E-02	2.8E-07	2.4E+01
483	0.31	3.1E-07	3.2E+00	1.1E-02	1.0E-03	3.6E-05	1.6E-01	5.5E-02	3.1E-07	3.4E+01
484	0.36	3.6E-07	3.6E+00	1.1E-02	1.0E-03	4.1E-05	1.6E-01	5.5E-02	3.6E-07	5.0E+01

485	0.42	4.2E-07	4.2E+00	1.1E-02	1.0E-03	4.8E-05	1.6E-01	5.5E-02	4.1E-07	2.6E+01
486	0.49	4.9E-07	5.0E+00	1.1E-02	1.0E-03	5.7E-05	1.6E-01	5.5E-02	4.9E-07	3.1E+01
487	3.71	3.7E-06	3.8E+01	1.1E-02	1.0E-03	4.3E-04	1.6E-01	5.5E-02	3.7E-06	9.9E+00
488	2.99	3.0E-06	3.0E+01	1.1E-02	1.0E-03	3.5E-04	1.6E-01	5.5E-02	3.0E-06	8.7E+00
489	2.49	2.5E-06	2.5E+01	1.1E-02	1.0E-03	2.9E-04	1.6E-01	5.5E-02	2.5E-06	7.6E+00
490	2.13	2.1E-06	2.2E+01	1.1E-02	1.0E-03	2.5E-04	1.6E-01	5.5E-02	2.1E-06	6.7E+00
491	1.86	1.9E-06	1.9E+01	1.1E-02	1.0E-03	2.2E-04	1.6E-01	5.5E-02	1.9E-06	6.0E+00
492	1.65	1.6E-06	1.7E+01	1.1E-02	1.0E-03	1.9E-04	1.6E-01	5.5E-02	1.6E-06	5.3E+00
493	1.46	1.5E-06	1.5E+01	1.1E-02	1.0E-03	1.7E-04	1.6E-01	5.5E-02	1.5E-06	4.8E+00
494	1.31	1.3E-06	1.3E+01	1.1E-02	1.0E-03	1.5E-04	1.6E-01	5.5E-02	1.3E-06	4.3E+00
495	1.18	1.2E-06	1.2E+01	1.1E-02	1.0E-03	1.4E-04	1.6E-01	5.5E-02	1.2E-06	3.9E+00
496	1.06	1.1E-06	1.1E+01	1.1E-02	1.0E-03	1.2E-04	1.6E-01	5.5E-02	1.1E-06	3.6E+00
497	0.29	2.9E-07	2.9E+00	1.1E-02	1.0E-03	3.3E-05	1.6E-01	5.5E-02	2.9E-07	2.0E+01
498	0.33	3.3E-07	3.3E+00	1.1E-02	1.0E-03	3.8E-05	1.6E-01	5.5E-02	3.3E-07	2.7E+01
499	0.38	3.8E-07	3.8E+00	1.1E-02	1.0E-03	4.4E-05	1.6E-01	5.5E-02	3.8E-07	3.8E+01
500	0.44	4.4E-07	4.5E+00	1.1E-02	1.0E-03	5.1E-05	1.6E-01	5.5E-02	4.4E-07	5.3E+01
501	0.53	5.3E-07	5.4E+00	1.1E-02	1.0E-03	6.1E-05	1.6E-01	5.5E-02	5.3E-07	2.0E+01
502	4.18	4.2E-06	4.2E+01	1.1E-02	1.0E-03	4.8E-04	1.6E-01	5.5E-02	4.2E-06	9.1E+00
503	3.34	3.3E-06	3.4E+01	1.1E-02	1.0E-03	3.9E-04	1.6E-01	5.5E-02	3.3E-06	8.0E+00
504	2.77	2.8E-06	2.8E+01	1.1E-02	1.0E-03	3.2E-04	1.6E-01	5.5E-02	2.8E-06	7.1E+00
505	2.36	2.4E-06	2.4E+01	1.1E-02	1.0E-03	2.7E-04	1.6E-01	5.5E-02	2.4E-06	6.3E+00
506	2.05	2.0E-06	2.1E+01	1.1E-02	1.0E-03	2.4E-04	1.6E-01	5.5E-02	2.0E-06	5.6E+00
507	1.79	1.8E-06	1.8E+01	1.1E-02	1.0E-03	2.1E-04	1.6E-01	5.5E-02	1.8E-06	5.0E+00
508	1.58	1.6E-06	1.6E+01	1.1E-02	1.0E-03	1.8E-04	1.6E-01	5.5E-02	1.6E-06	4.5E+00
509	1.40	1.4E-06	1.4E+01	1.1E-02	1.0E-03	1.6E-04	1.6E-01	5.5E-02	1.4E-06	4.1E+00
510	1.25	1.3E-06	1.3E+01	1.1E-02	1.0E-03	1.5E-04	1.6E-01	5.5E-02	1.3E-06	3.7E+00
511	1.12	1.1E-06	1.1E+01	1.1E-02	1.0E-03	1.3E-04	1.6E-01	5.5E-02	1.1E-06	3.4E+00
512	0.30	3.0E-07	3.0E+00	1.1E-02	1.0E-03	3.5E-05	1.6E-01	5.5E-02	3.0E-07	1.7E+01
513	0.34	3.4E-07	3.5E+00	1.1E-02	1.0E-03	4.0E-05	1.6E-01	5.5E-02	3.4E-07	2.2E+01
514	0.40	4.0E-07	4.0E+00	1.1E-02	1.0E-03	4.6E-05	1.6E-01	5.5E-02	3.9E-07	2.8E+01
515	0.47	4.7E-07	4.7E+00	1.1E-02	1.0E-03	5.4E-05	1.6E-01	5.5E-02	4.7E-07	3.6E+01
516	0.56	5.6E-07	5.7E+00	1.1E-02	1.0E-03	6.5E-05	1.6E-01	5.5E-02	5.6E-07	4.3E+01
517	4.54	4.5E-06	4.6E+01	1.1E-02	1.0E-03	5.3E-04	1.6E-01	5.5E-02	4.5E-06	8.3E+00
518	3.68	3.7E-06	3.7E+01	1.1E-02	1.0E-03	4.3E-04	1.6E-01	5.5E-02	3.7E-06	7.4E+00
519	3.05	3.1E-06	3.1E+01	1.1E-02	1.0E-03	3.5E-04	1.6E-01	5.5E-02	3.1E-06	6.5E+00
520	2.59	2.6E-06	2.6E+01	1.1E-02	1.0E-03	3.0E-04	1.6E-01	5.5E-02	2.6E-06	5.8E+00
521	2.23	2.2E-06	2.3E+01	1.1E-02	1.0E-03	2.6E-04	1.6E-01	5.5E-02	2.2E-06	5.2E+00
522	1.95	1.9E-06	2.0E+01	1.1E-02	1.0E-03	2.3E-04	1.6E-01	5.5E-02	1.9E-06	4.7E+00
523	1.70	1.7E-06	1.7E+01	1.1E-02	1.0E-03	2.0E-04	1.6E-01	5.5E-02	1.7E-06	4.3E+00
524	1.50	1.5E-06	1.5E+01	1.1E-02	1.0E-03	1.7E-04	1.6E-01	5.5E-02	1.5E-06	3.9E+00
525	1.32	1.3E-06	1.3E+01	1.1E-02	1.0E-03	1.5E-04	1.6E-01	5.5E-02	1.3E-06	3.5E+00
526	1.16	1.2E-06	1.2E+01	1.1E-02	1.0E-03	1.4E-04	1.6E-01	5.5E-02	1.2E-06	3.2E+00
527	0.31	3.1E-07	3.1E+00	1.1E-02	1.0E-03	3.6E-05	1.6E-01	5.5E-02	3.1E-07	1.4E+01
528	0.35	3.5E-07	3.6E+00	1.1E-02	1.0E-03	4.1E-05	1.6E-01	5.5E-02	3.5E-07	1.7E+01
529	0.41	4.1E-07	4.2E+00	1.1E-02	1.0E-03	4.8E-05	1.6E-01	5.5E-02	4.1E-07	2.1E+01
530	0.49	4.9E-07	5.0E+00	1.1E-02	1.0E-03	5.7E-05	1.6E-01	5.5E-02	4.9E-07	2.5E+01
531	0.59	5.9E-07	6.0E+00	1.1E-02	1.0E-03	6.9E-05	1.6E-01	5.5E-02	5.9E-07	2.8E+01
532	4.92	4.9E-06	5.0E+01	1.1E-02	1.0E-03	5.7E-04	1.6E-01	5.5E-02	4.9E-06	7.6E+00
533	4.03	4.0E-06	4.1E+01	1.1E-02	1.0E-03	4.7E-04	1.6E-01	5.5E-02	4.0E-06	6.8E+00

534	3.32	3.3E-06	3.4E+01	1.1E-02	1.0E-03	3.9E-04	1.6E-01	5.5E-02	3.3E-06	6.0E+00
535	2.78	2.8E-06	2.8E+01	1.1E-02	1.0E-03	3.2E-04	1.6E-01	5.5E-02	2.8E-06	5.4E+00
536	2.38	2.4E-06	2.4E+01	1.1E-02	1.0E-03	2.8E-04	1.6E-01	5.5E-02	2.4E-06	4.9E+00
537	2.06	2.1E-06	2.1E+01	1.1E-02	1.0E-03	2.4E-04	1.6E-01	5.5E-02	2.1E-06	4.4E+00
538	1.79	1.8E-06	1.8E+01	1.1E-02	1.0E-03	2.1E-04	1.6E-01	5.5E-02	1.8E-06	4.0E+00
539	1.57	1.6E-06	1.6E+01	1.1E-02	1.0E-03	1.8E-04	1.6E-01	5.5E-02	1.6E-06	3.7E+00
540	1.37	1.4E-06	1.4E+01	1.1E-02	1.0E-03	1.6E-04	1.6E-01	5.5E-02	1.4E-06	3.3E+00
541	1.19	1.2E-06	1.2E+01	1.1E-02	1.0E-03	1.4E-04	1.6E-01	5.5E-02	1.2E-06	3.0E+00
542	0.31	3.1E-07	3.2E+00	1.1E-02	1.0E-03	3.6E-05	1.6E-01	5.5E-02	3.1E-07	1.2E+01
543	0.36	3.6E-07	3.7E+00	1.1E-02	1.0E-03	4.2E-05	1.6E-01	5.5E-02	3.6E-07	1.4E+01
544	0.43	4.3E-07	4.3E+00	1.1E-02	1.0E-03	4.9E-05	1.6E-01	5.5E-02	4.2E-07	1.6E+01
545	0.51	5.1E-07	5.1E+00	1.1E-02	1.0E-03	5.9E-05	1.6E-01	5.5E-02	5.1E-07	1.8E+01
546	0.62	6.2E-07	6.3E+00	1.1E-02	1.0E-03	7.2E-05	1.6E-01	5.5E-02	6.2E-07	2.0E+01
547	5.49	5.5E-06	5.6E+01	1.1E-02	1.0E-03	6.4E-04	1.6E-01	5.5E-02	5.5E-06	6.9E+00
548	4.43	4.4E-06	4.5E+01	1.1E-02	1.0E-03	5.1E-04	1.6E-01	5.5E-02	4.4E-06	6.2E+00
549	3.63	3.6E-06	3.7E+01	1.1E-02	1.0E-03	4.2E-04	1.6E-01	5.5E-02	3.6E-06	5.5E+00
550	3.01	3.0E-06	3.1E+01	1.1E-02	1.0E-03	3.5E-04	1.6E-01	5.5E-02	3.0E-06	5.0E+00
551	2.47	2.5E-06	2.5E+01	1.1E-02	1.0E-03	2.9E-04	1.6E-01	5.5E-02	2.5E-06	4.5E+00
552	2.10	2.1E-06	2.1E+01	1.1E-02	1.0E-03	2.4E-04	1.6E-01	5.5E-02	2.1E-06	4.0E+00
553	1.82	1.8E-06	1.9E+01	1.1E-02	1.0E-03	2.1E-04	1.6E-01	5.5E-02	1.8E-06	3.7E+00
554	1.58	1.6E-06	1.6E+01	1.1E-02	1.0E-03	1.8E-04	1.6E-01	5.5E-02	1.6E-06	3.4E+00
555	1.38	1.4E-06	1.4E+01	1.1E-02	1.0E-03	1.6E-04	1.6E-01	5.5E-02	1.4E-06	3.1E+00
556	1.19	1.2E-06	1.2E+01	1.1E-02	1.0E-03	1.4E-04	1.6E-01	5.5E-02	1.2E-06	2.9E+00
557	0.32	3.2E-07	3.2E+00	1.1E-02	1.0E-03	3.7E-05	1.6E-01	5.5E-02	3.2E-07	9.6E+00
558	0.37	3.7E-07	3.7E+00	1.1E-02	1.0E-03	4.3E-05	1.6E-01	5.5E-02	3.7E-07	1.1E+01
559	0.43	4.3E-07	4.4E+00	1.1E-02	1.0E-03	5.0E-05	1.6E-01	5.5E-02	4.3E-07	1.3E+01
560	0.52	5.2E-07	5.3E+00	1.1E-02	1.0E-03	6.0E-05	1.6E-01	5.5E-02	5.2E-07	1.4E+01
561	0.63	6.3E-07	6.4E+00	1.1E-02	1.0E-03	7.3E-05	1.6E-01	5.5E-02	6.3E-07	1.5E+01
562	5.03	5.0E-06	5.1E+01	1.1E-02	1.0E-03	5.8E-04	1.6E-01	5.5E-02	5.0E-06	5.7E+00
563	4.07	4.1E-06	4.1E+01	1.1E-02	1.0E-03	4.7E-04	1.6E-01	5.5E-02	4.1E-06	5.1E+00
564	3.28	3.3E-06	3.3E+01	1.1E-02	1.0E-03	3.8E-04	1.6E-01	5.5E-02	3.3E-06	4.6E+00
565	2.49	2.5E-06	2.5E+01	1.1E-02	1.0E-03	2.9E-04	1.6E-01	5.5E-02	2.5E-06	4.1E+00
566	2.08	2.1E-06	2.1E+01	1.1E-02	1.0E-03	2.4E-04	1.6E-01	5.5E-02	2.1E-06	3.7E+00
567	1.77	1.8E-06	1.8E+01	1.1E-02	1.0E-03	2.1E-04	1.6E-01	5.5E-02	1.8E-06	3.4E+00
568	1.52	1.5E-06	1.5E+01	1.1E-02	1.0E-03	1.8E-04	1.6E-01	5.5E-02	1.5E-06	3.1E+00
569	1.31	1.3E-06	1.3E+01	1.1E-02	1.0E-03	1.5E-04	1.6E-01	5.5E-02	1.3E-06	2.9E+00
570	1.15	1.2E-06	1.2E+01	1.1E-02	1.0E-03	1.3E-04	1.6E-01	5.5E-02	1.2E-06	2.7E+00
571	0.32	3.2E-07	3.3E+00	1.1E-02	1.0E-03	3.7E-05	1.6E-01	5.5E-02	3.2E-07	8.2E+00
572	0.37	3.7E-07	3.8E+00	1.1E-02	1.0E-03	4.3E-05	1.6E-01	5.5E-02	3.7E-07	9.3E+00
573	0.44	4.4E-07	4.4E+00	1.1E-02	1.0E-03	5.1E-05	1.6E-01	5.5E-02	4.4E-07	1.0E+01
574	0.53	5.3E-07	5.4E+00	1.1E-02	1.0E-03	6.1E-05	1.6E-01	5.5E-02	5.3E-07	1.1E+01
575	0.64	6.4E-07	6.5E+00	1.1E-02	1.0E-03	7.4E-05	1.6E-01	5.5E-02	6.4E-07	1.2E+01
576	4.66	4.7E-06	4.7E+01	1.1E-02	1.0E-03	5.4E-04	1.6E-01	5.5E-02	4.7E-06	4.8E+00
577	3.71	3.7E-06	3.8E+01	1.1E-02	1.0E-03	4.3E-04	1.6E-01	5.5E-02	3.7E-06	4.3E+00
578	2.87	2.9E-06	2.9E+01	1.1E-02	1.0E-03	3.3E-04	1.6E-01	5.5E-02	2.9E-06	3.9E+00
579	2.35	2.3E-06	2.4E+01	1.1E-02	1.0E-03	2.7E-04	1.6E-01	5.5E-02	2.3E-06	3.6E+00
580	1.93	1.9E-06	2.0E+01	1.1E-02	1.0E-03	2.2E-04	1.6E-01	5.5E-02	1.9E-06	3.3E+00
581	1.58	1.6E-06	1.6E+01	1.1E-02	1.0E-03	1.8E-04	1.6E-01	5.5E-02	1.6E-06	3.0E+00
582	1.33	1.3E-06	1.3E+01	1.1E-02	1.0E-03	1.5E-04	1.6E-01	5.5E-02	1.3E-06	2.7E+00

583	1.12	1.1E-06	1.1E+01	1.1E-02	1.0E-03	1.3E-04	1.6E-01	5.5E-02	1.1E-06	2.5E+00
584	0.32	3.2E-07	3.3E+00	1.1E-02	1.0E-03	3.7E-05	1.6E-01	5.5E-02	3.2E-07	7.0E+00
585	0.37	3.7E-07	3.8E+00	1.1E-02	1.0E-03	4.3E-05	1.6E-01	5.5E-02	3.7E-07	7.8E+00
586	0.44	4.4E-07	4.5E+00	1.1E-02	1.0E-03	5.1E-05	1.6E-01	5.5E-02	4.4E-07	8.5E+00
587	0.53	5.3E-07	5.4E+00	1.1E-02	1.0E-03	6.1E-05	1.6E-01	5.5E-02	5.3E-07	9.1E+00
588	0.64	6.4E-07	6.5E+00	1.1E-02	1.0E-03	7.5E-05	1.6E-01	5.5E-02	6.4E-07	9.7E+00
589	4.38	4.4E-06	4.4E+01	1.1E-02	1.0E-03	5.1E-04	1.6E-01	5.5E-02	4.4E-06	4.1E+00
590	3.47	3.5E-06	3.5E+01	1.1E-02	1.0E-03	4.0E-04	1.6E-01	5.5E-02	3.5E-06	3.8E+00
591	2.75	2.7E-06	2.8E+01	1.1E-02	1.0E-03	3.2E-04	1.6E-01	5.5E-02	2.7E-06	3.5E+00
592	2.15	2.1E-06	2.2E+01	1.1E-02	1.0E-03	2.5E-04	1.6E-01	5.5E-02	2.1E-06	3.2E+00
593	1.74	1.7E-06	1.8E+01	1.1E-02	1.0E-03	2.0E-04	1.6E-01	5.5E-02	1.7E-06	2.9E+00
594	1.41	1.4E-06	1.4E+01	1.1E-02	1.0E-03	1.6E-04	1.6E-01	5.5E-02	1.4E-06	2.7E+00
595	1.15	1.2E-06	1.2E+01	1.1E-02	1.0E-03	1.3E-04	1.6E-01	5.5E-02	1.2E-06	2.4E+00
596	0.32	3.2E-07	3.2E+00	1.1E-02	1.0E-03	3.7E-05	1.6E-01	5.5E-02	3.2E-07	6.0E+00
597	0.37	3.7E-07	3.8E+00	1.1E-02	1.0E-03	4.3E-05	1.6E-01	5.5E-02	3.7E-07	6.6E+00
598	0.44	4.4E-07	4.4E+00	1.1E-02	1.0E-03	5.0E-05	1.6E-01	5.5E-02	4.3E-07	7.1E+00
599	0.52	5.2E-07	5.3E+00	1.1E-02	1.0E-03	6.0E-05	1.6E-01	5.5E-02	5.2E-07	7.6E+00
600	0.63	6.3E-07	6.4E+00	1.1E-02	1.0E-03	7.3E-05	1.6E-01	5.5E-02	6.3E-07	8.0E+00
601	3.71	3.7E-06	3.8E+01	1.1E-02	1.0E-03	4.3E-04	1.6E-01	5.5E-02	3.7E-06	3.5E+00
602	2.83	2.8E-06	2.9E+01	1.1E-02	1.0E-03	3.3E-04	1.6E-01	5.5E-02	2.8E-06	3.3E+00
603	2.19	2.2E-06	2.2E+01	1.1E-02	1.0E-03	2.5E-04	1.6E-01	5.5E-02	2.2E-06	3.0E+00
604	1.76	1.8E-06	1.8E+01	1.1E-02	1.0E-03	2.0E-04	1.6E-01	5.5E-02	1.8E-06	2.8E+00
605	1.43	1.4E-06	1.5E+01	1.1E-02	1.0E-03	1.7E-04	1.6E-01	5.5E-02	1.4E-06	2.6E+00
606	1.16	1.2E-06	1.2E+01	1.1E-02	1.0E-03	1.4E-04	1.6E-01	5.5E-02	1.2E-06	2.4E+00
607	0.31	3.1E-07	3.2E+00	1.1E-02	1.0E-03	3.6E-05	1.6E-01	5.5E-02	3.1E-07	5.2E+00
608	0.36	3.6E-07	3.7E+00	1.1E-02	1.0E-03	4.2E-05	1.6E-01	5.5E-02	3.6E-07	5.7E+00
609	0.43	4.3E-07	4.3E+00	1.1E-02	1.0E-03	5.0E-05	1.6E-01	5.5E-02	4.3E-07	6.1E+00
610	0.51	5.1E-07	5.2E+00	1.1E-02	1.0E-03	5.9E-05	1.6E-01	5.5E-02	5.1E-07	6.5E+00
611	0.61	6.1E-07	6.2E+00	1.1E-02	1.0E-03	7.1E-05	1.6E-01	5.5E-02	6.1E-07	6.8E+00
612	3.77	3.8E-06	3.8E+01	1.1E-02	1.0E-03	4.4E-04	1.6E-01	5.5E-02	3.8E-06	3.3E+00
613	2.80	2.8E-06	2.8E+01	1.1E-02	1.0E-03	3.3E-04	1.6E-01	5.5E-02	2.8E-06	3.1E+00
614	2.14	2.1E-06	2.2E+01	1.1E-02	1.0E-03	2.5E-04	1.6E-01	5.5E-02	2.1E-06	2.9E+00
615	1.70	1.7E-06	1.7E+01	1.1E-02	1.0E-03	2.0E-04	1.6E-01	5.5E-02	1.7E-06	2.7E+00
616	1.38	1.4E-06	1.4E+01	1.1E-02	1.0E-03	1.6E-04	1.6E-01	5.5E-02	1.4E-06	2.5E+00
617	1.12	1.1E-06	1.1E+01	1.1E-02	1.0E-03	1.3E-04	1.6E-01	5.5E-02	1.1E-06	2.3E+00
618	0.31	3.1E-07	3.1E+00	1.1E-02	1.0E-03	3.6E-05	1.6E-01	5.5E-02	3.1E-07	4.6E+00
619	0.35	3.5E-07	3.6E+00	1.1E-02	1.0E-03	4.1E-05	1.6E-01	5.5E-02	3.5E-07	4.9E+00
620	0.42	4.2E-07	4.2E+00	1.1E-02	1.0E-03	4.8E-05	1.6E-01	5.5E-02	4.1E-07	5.3E+00
621	0.49	4.9E-07	5.0E+00	1.1E-02	1.0E-03	5.7E-05	1.6E-01	5.5E-02	4.9E-07	5.6E+00
622	0.59	5.9E-07	6.0E+00	1.1E-02	1.0E-03	6.8E-05	1.6E-01	5.5E-02	5.9E-07	5.8E+00
623	3.55	3.5E-06	3.6E+01	1.1E-02	1.0E-03	4.1E-04	1.6E-01	5.5E-02	3.5E-06	3.1E+00
624	2.60	2.6E-06	2.6E+01	1.1E-02	1.0E-03	3.0E-04	1.6E-01	5.5E-02	2.6E-06	2.9E+00
625	1.99	2.0E-06	2.0E+01	1.1E-02	1.0E-03	2.3E-04	1.6E-01	5.5E-02	2.0E-06	2.7E+00
626	1.59	1.6E-06	1.6E+01	1.1E-02	1.0E-03	1.8E-04	1.6E-01	5.5E-02	1.6E-06	2.5E+00
627	1.30	1.3E-06	1.3E+01	1.1E-02	1.0E-03	1.5E-04	1.6E-01	5.5E-02	1.3E-06	2.4E+00
628	1.07	1.1E-06	1.1E+01	1.1E-02	1.0E-03	1.2E-04	1.6E-01	5.5E-02	1.1E-06	2.2E+00
629	0.30	3.0E-07	3.0E+00	1.1E-02	1.0E-03	3.4E-05	1.6E-01	5.5E-02	3.0E-07	4.1E+00
630	0.34	3.4E-07	3.5E+00	1.1E-02	1.0E-03	4.0E-05	1.6E-01	5.5E-02	3.4E-07	4.3E+00
631	0.40	4.0E-07	4.0E+00	1.1E-02	1.0E-03	4.6E-05	1.6E-01	5.5E-02	4.0E-07	4.6E+00

632	0.47	4.7E-07	4.7E+00	1.1E-02	1.0E-03	5.4E-05	1.6E-01	5.5E-02	4.7E-07	4.8E+00
633	0.56	5.6E-07	5.7E+00	1.1E-02	1.0E-03	6.5E-05	1.6E-01	5.5E-02	5.6E-07	5.0E+00
634	3.05	3.1E-06	3.1E+01	1.1E-02	1.0E-03	3.5E-04	1.6E-01	5.5E-02	3.1E-06	3.0E+00
635	2.29	2.3E-06	2.3E+01	1.1E-02	1.0E-03	2.7E-04	1.6E-01	5.5E-02	2.3E-06	2.8E+00
636	1.79	1.8E-06	1.8E+01	1.1E-02	1.0E-03	2.1E-04	1.6E-01	5.5E-02	1.8E-06	2.6E+00
637	1.45	1.4E-06	1.5E+01	1.1E-02	1.0E-03	1.7E-04	1.6E-01	5.5E-02	1.4E-06	2.4E+00
638	1.20	1.2E-06	1.2E+01	1.1E-02	1.0E-03	1.4E-04	1.6E-01	5.5E-02	1.2E-06	2.3E+00
639	1.01	1.0E-06	1.0E+01	1.1E-02	1.0E-03	1.2E-04	1.6E-01	5.5E-02	1.0E-06	2.1E+00
640	0.29	2.9E-07	2.9E+00	1.1E-02	1.0E-03	3.3E-05	1.6E-01	5.5E-02	2.9E-07	3.6E+00
641	0.33	3.3E-07	3.3E+00	1.1E-02	1.0E-03	3.8E-05	1.6E-01	5.5E-02	3.3E-07	3.8E+00
642	0.38	3.8E-07	3.9E+00	1.1E-02	1.0E-03	4.4E-05	1.6E-01	5.5E-02	3.8E-07	4.1E+00
643	0.45	4.5E-07	4.5E+00	1.1E-02	1.0E-03	5.2E-05	1.6E-01	5.5E-02	4.4E-07	4.3E+00
644	0.53	5.3E-07	5.4E+00	1.1E-02	1.0E-03	6.1E-05	1.6E-01	5.5E-02	5.3E-07	4.4E+00
645	2.45	2.5E-06	2.5E+01	1.1E-02	1.0E-03	2.8E-04	1.6E-01	5.5E-02	2.5E-06	2.8E+00
646	1.94	1.9E-06	2.0E+01	1.1E-02	1.0E-03	2.3E-04	1.6E-01	5.5E-02	1.9E-06	2.6E+00
647	1.57	1.6E-06	1.6E+01	1.1E-02	1.0E-03	1.8E-04	1.6E-01	5.5E-02	1.6E-06	2.5E+00
648	1.30	1.3E-06	1.3E+01	1.1E-02	1.0E-03	1.5E-04	1.6E-01	5.5E-02	1.3E-06	2.3E+00
649	1.09	1.1E-06	1.1E+01	1.1E-02	1.0E-03	1.3E-04	1.6E-01	5.5E-02	1.1E-06	2.2E+00
650	0.92	9.2E-07	9.4E+00	1.1E-02	1.0E-03	1.1E-04	1.6E-01	5.5E-02	9.2E-07	2.0E+00
651	0.28	2.8E-07	2.8E+00	1.1E-02	1.0E-03	3.2E-05	1.6E-01	5.5E-02	2.8E-07	3.2E+00
652	0.31	3.1E-07	3.2E+00	1.1E-02	1.0E-03	3.7E-05	1.6E-01	5.5E-02	3.1E-07	3.4E+00
653	0.36	3.6E-07	3.7E+00	1.1E-02	1.0E-03	4.2E-05	1.6E-01	5.5E-02	3.6E-07	3.6E+00
654	0.42	4.2E-07	4.3E+00	1.1E-02	1.0E-03	4.9E-05	1.6E-01	5.5E-02	4.2E-07	3.8E+00
655	0.50	5.0E-07	5.1E+00	1.1E-02	1.0E-03	5.8E-05	1.6E-01	5.5E-02	5.0E-07	3.9E+00
656	0.59	5.9E-07	6.0E+00	1.1E-02	1.0E-03	6.9E-05	1.6E-01	5.5E-02	5.9E-07	4.0E+00
657	0.72	7.2E-07	7.3E+00	1.1E-02	1.0E-03	8.4E-05	1.6E-01	5.5E-02	7.2E-07	4.1E+00
658	0.90	9.0E-07	9.1E+00	1.1E-02	1.0E-03	1.0E-04	1.6E-01	5.5E-02	9.0E-07	4.1E+00
659	1.14	1.1E-06	1.2E+01	1.1E-02	1.0E-03	1.3E-04	1.6E-01	5.5E-02	1.1E-06	4.1E+00
660	1.48	1.5E-06	1.5E+01	1.1E-02	1.0E-03	1.7E-04	1.6E-01	5.5E-02	1.5E-06	4.1E+00
661	1.91	1.9E-06	1.9E+01	1.1E-02	1.0E-03	2.2E-04	1.6E-01	5.5E-02	1.9E-06	4.0E+00
662	2.41	2.4E-06	2.4E+01	1.1E-02	1.0E-03	2.8E-04	1.6E-01	5.5E-02	2.4E-06	3.9E+00
663	2.84	2.8E-06	2.9E+01	1.1E-02	1.0E-03	3.3E-04	1.6E-01	5.5E-02	2.8E-06	3.8E+00
664	3.17	3.2E-06	3.2E+01	1.1E-02	1.0E-03	3.7E-04	1.6E-01	5.5E-02	3.2E-06	3.7E+00
665	3.36	3.4E-06	3.4E+01	1.1E-02	1.0E-03	3.9E-04	1.6E-01	5.5E-02	3.4E-06	3.6E+00
666	3.42	3.4E-06	3.5E+01	1.1E-02	1.0E-03	4.0E-04	1.6E-01	5.5E-02	3.4E-06	3.4E+00
667	3.35	3.3E-06	3.4E+01	1.1E-02	1.0E-03	3.9E-04	1.6E-01	5.5E-02	3.3E-06	3.3E+00
668	3.15	3.2E-06	3.2E+01	1.1E-02	1.0E-03	3.7E-04	1.6E-01	5.5E-02	3.2E-06	3.1E+00
669	2.80	2.8E-06	2.9E+01	1.1E-02	1.0E-03	3.3E-04	1.6E-01	5.5E-02	2.8E-06	2.9E+00
670	2.36	2.4E-06	2.4E+01	1.1E-02	1.0E-03	2.7E-04	1.6E-01	5.5E-02	2.4E-06	2.8E+00
671	1.95	1.9E-06	2.0E+01	1.1E-02	1.0E-03	2.3E-04	1.6E-01	5.5E-02	1.9E-06	2.6E+00
672	1.62	1.6E-06	1.6E+01	1.1E-02	1.0E-03	1.9E-04	1.6E-01	5.5E-02	1.6E-06	2.5E+00
673	1.35	1.4E-06	1.4E+01	1.1E-02	1.0E-03	1.6E-04	1.6E-01	5.5E-02	1.3E-06	2.3E+00
674	1.14	1.1E-06	1.2E+01	1.1E-02	1.0E-03	1.3E-04	1.6E-01	5.5E-02	1.1E-06	2.2E+00
675	0.98	9.8E-07	9.9E+00	1.1E-02	1.0E-03	1.1E-04	1.6E-01	5.5E-02	9.8E-07	2.1E+00
676	0.84	8.4E-07	8.6E+00	1.1E-02	1.0E-03	9.8E-05	1.6E-01	5.5E-02	8.4E-07	1.9E+00
677	0.26	2.6E-07	2.7E+00	1.1E-02	1.0E-03	3.0E-05	1.6E-01	5.5E-02	2.6E-07	2.9E+00
678	0.30	3.0E-07	3.0E+00	1.1E-02	1.0E-03	3.4E-05	1.6E-01	5.5E-02	3.0E-07	3.1E+00
679	0.34	3.4E-07	3.5E+00	1.1E-02	1.0E-03	3.9E-05	1.6E-01	5.5E-02	3.4E-07	3.2E+00
680	0.39	3.9E-07	4.0E+00	1.1E-02	1.0E-03	4.5E-05	1.6E-01	5.5E-02	3.9E-07	3.4E+00

681	0.46	4.6E-07	4.7E+00	1.1E-02	1.0E-03	5.3E-05	1.6E-01	5.5E-02	4.6E-07	3.5E+00
682	0.54	5.4E-07	5.5E+00	1.1E-02	1.0E-03	6.3E-05	1.6E-01	5.5E-02	5.4E-07	3.6E+00
683	0.64	6.4E-07	6.5E+00	1.1E-02	1.0E-03	7.5E-05	1.6E-01	5.5E-02	6.4E-07	3.7E+00
684	0.79	7.9E-07	8.0E+00	1.1E-02	1.0E-03	9.1E-05	1.6E-01	5.5E-02	7.9E-07	3.7E+00
685	0.97	9.7E-07	9.8E+00	1.1E-02	1.0E-03	1.1E-04	1.6E-01	5.5E-02	9.7E-07	3.7E+00
686	1.19	1.2E-06	1.2E+01	1.1E-02	1.0E-03	1.4E-04	1.6E-01	5.5E-02	1.2E-06	3.7E+00
687	1.47	1.5E-06	1.5E+01	1.1E-02	1.0E-03	1.7E-04	1.6E-01	5.5E-02	1.5E-06	3.6E+00
688	1.77	1.8E-06	1.8E+01	1.1E-02	1.0E-03	2.1E-04	1.6E-01	5.5E-02	1.8E-06	3.6E+00
689	2.03	2.0E-06	2.1E+01	1.1E-02	1.0E-03	2.4E-04	1.6E-01	5.5E-02	2.0E-06	3.5E+00
690	2.24	2.2E-06	2.3E+01	1.1E-02	1.0E-03	2.6E-04	1.6E-01	5.5E-02	2.2E-06	3.4E+00
691	2.37	2.4E-06	2.4E+01	1.1E-02	1.0E-03	2.7E-04	1.6E-01	5.5E-02	2.4E-06	3.3E+00
692	2.41	2.4E-06	2.5E+01	1.1E-02	1.0E-03	2.8E-04	1.6E-01	5.5E-02	2.4E-06	3.1E+00
693	2.38	2.4E-06	2.4E+01	1.1E-02	1.0E-03	2.8E-04	1.6E-01	5.5E-02	2.4E-06	3.0E+00
694	2.26	2.3E-06	2.3E+01	1.1E-02	1.0E-03	2.6E-04	1.6E-01	5.5E-02	2.3E-06	2.9E+00
695	2.07	2.1E-06	2.1E+01	1.1E-02	1.0E-03	2.4E-04	1.6E-01	5.5E-02	2.1E-06	2.7E+00
696	1.82	1.8E-06	1.9E+01	1.1E-02	1.0E-03	2.1E-04	1.6E-01	5.5E-02	1.8E-06	2.6E+00
697	1.57	1.6E-06	1.6E+01	1.1E-02	1.0E-03	1.8E-04	1.6E-01	5.5E-02	1.6E-06	2.5E+00
698	1.35	1.4E-06	1.4E+01	1.1E-02	1.0E-03	1.6E-04	1.6E-01	5.5E-02	1.4E-06	2.3E+00
699	1.16	1.2E-06	1.2E+01	1.1E-02	1.0E-03	1.3E-04	1.6E-01	5.5E-02	1.2E-06	2.2E+00
700	1.00	1.0E-06	1.0E+01	1.1E-02	1.0E-03	1.2E-04	1.6E-01	5.5E-02	1.0E-06	2.1E+00
701	0.87	8.7E-07	8.9E+00	1.1E-02	1.0E-03	1.0E-04	1.6E-01	5.5E-02	8.7E-07	2.0E+00
702	0.76	7.6E-07	7.8E+00	1.1E-02	1.0E-03	8.9E-05	1.6E-01	5.5E-02	7.6E-07	1.9E+00
703	0.25	2.5E-07	2.5E+00	1.1E-02	1.0E-03	2.9E-05	1.6E-01	5.5E-02	2.5E-07	2.7E+00
704	0.28	2.8E-07	2.9E+00	1.1E-02	1.0E-03	3.3E-05	1.6E-01	5.5E-02	2.8E-07	2.8E+00
705	0.32	3.2E-07	3.2E+00	1.1E-02	1.0E-03	3.7E-05	1.6E-01	5.5E-02	3.2E-07	2.9E+00
706	0.36	3.6E-07	3.7E+00	1.1E-02	1.0E-03	4.2E-05	1.6E-01	5.5E-02	3.6E-07	3.0E+00
707	0.42	4.2E-07	4.3E+00	1.1E-02	1.0E-03	4.9E-05	1.6E-01	5.5E-02	4.2E-07	3.1E+00
708	0.49	4.9E-07	5.0E+00	1.1E-02	1.0E-03	5.7E-05	1.6E-01	5.5E-02	4.9E-07	3.2E+00
709	0.58	5.8E-07	5.9E+00	1.1E-02	1.0E-03	6.7E-05	1.6E-01	5.5E-02	5.8E-07	3.3E+00
710	0.69	6.9E-07	7.1E+00	1.1E-02	1.0E-03	8.1E-05	1.6E-01	5.5E-02	6.9E-07	3.3E+00
711	0.83	8.3E-07	8.4E+00	1.1E-02	1.0E-03	9.6E-05	1.6E-01	5.5E-02	8.3E-07	3.3E+00
712	0.99	9.9E-07	1.0E+01	1.1E-02	1.0E-03	1.1E-04	1.6E-01	5.5E-02	9.9E-07	3.3E+00
713	1.17	1.2E-06	1.2E+01	1.1E-02	1.0E-03	1.4E-04	1.6E-01	5.5E-02	1.2E-06	3.3E+00
714	1.36	1.4E-06	1.4E+01	1.1E-02	1.0E-03	1.6E-04	1.6E-01	5.5E-02	1.4E-06	3.3E+00
715	1.53	1.5E-06	1.6E+01	1.1E-02	1.0E-03	1.8E-04	1.6E-01	5.5E-02	1.5E-06	3.2E+00
716	1.67	1.7E-06	1.7E+01	1.1E-02	1.0E-03	1.9E-04	1.6E-01	5.5E-02	1.7E-06	3.1E+00
717	1.75	1.8E-06	1.8E+01	1.1E-02	1.0E-03	2.0E-04	1.6E-01	5.5E-02	1.8E-06	3.0E+00
718	1.79	1.8E-06	1.8E+01	1.1E-02	1.0E-03	2.1E-04	1.6E-01	5.5E-02	1.8E-06	2.9E+00
719	1.78	1.8E-06	1.8E+01	1.1E-02	1.0E-03	2.1E-04	1.6E-01	5.5E-02	1.8E-06	2.8E+00
720	1.71	1.7E-06	1.7E+01	1.1E-02	1.0E-03	2.0E-04	1.6E-01	5.5E-02	1.7E-06	2.7E+00
721	1.60	1.6E-06	1.6E+01	1.1E-02	1.0E-03	1.9E-04	1.6E-01	5.5E-02	1.6E-06	2.6E+00
722	1.45	1.4E-06	1.5E+01	1.1E-02	1.0E-03	1.7E-04	1.6E-01	5.5E-02	1.4E-06	2.4E+00
723	1.29	1.3E-06	1.3E+01	1.1E-02	1.0E-03	1.5E-04	1.6E-01	5.5E-02	1.3E-06	2.3E+00
724	1.14	1.1E-06	1.2E+01	1.1E-02	1.0E-03	1.3E-04	1.6E-01	5.5E-02	1.1E-06	2.2E+00
725	1.01	1.0E-06	1.0E+01	1.1E-02	1.0E-03	1.2E-04	1.6E-01	5.5E-02	1.0E-06	2.1E+00
726	0.89	8.9E-07	9.0E+00	1.1E-02	1.0E-03	1.0E-04	1.6E-01	5.5E-02	8.9E-07	2.0E+00
727	0.78	7.8E-07	7.9E+00	1.1E-02	1.0E-03	9.1E-05	1.6E-01	5.5E-02	7.8E-07	1.9E+00
728	0.69	6.9E-07	7.0E+00	1.1E-02	1.0E-03	8.0E-05	1.6E-01	5.5E-02	6.9E-07	1.8E+00
729	0.24	2.4E-07	2.4E+00	1.1E-02	1.0E-03	2.7E-05	1.6E-01	5.5E-02	2.4E-07	2.4E+00

730	0.26	2.6E-07	2.7E+00	1.1E-02	1.0E-03	3.1E-05	1.6E-01	5.5E-02	2.6E-07	2.5E+00
731	0.30	3.0E-07	3.0E+00	1.1E-02	1.0E-03	3.5E-05	1.6E-01	5.5E-02	3.0E-07	2.6E+00
732	0.34	3.4E-07	3.5E+00	1.1E-02	1.0E-03	3.9E-05	1.6E-01	5.5E-02	3.4E-07	2.7E+00
733	0.39	3.9E-07	3.9E+00	1.1E-02	1.0E-03	4.5E-05	1.6E-01	5.5E-02	3.9E-07	2.8E+00
734	0.45	4.5E-07	4.6E+00	1.1E-02	1.0E-03	5.2E-05	1.6E-01	5.5E-02	4.5E-07	2.9E+00
735	0.52	5.2E-07	5.3E+00	1.1E-02	1.0E-03	6.0E-05	1.6E-01	5.5E-02	5.2E-07	3.0E+00
736	0.61	6.1E-07	6.2E+00	1.1E-02	1.0E-03	7.1E-05	1.6E-01	5.5E-02	6.1E-07	3.0E+00
737	0.71	7.1E-07	7.2E+00	1.1E-02	1.0E-03	8.2E-05	1.6E-01	5.5E-02	7.1E-07	3.0E+00
738	0.83	8.3E-07	8.4E+00	1.1E-02	1.0E-03	9.6E-05	1.6E-01	5.5E-02	8.3E-07	3.0E+00
739	0.95	9.5E-07	9.6E+00	1.1E-02	1.0E-03	1.1E-04	1.6E-01	5.5E-02	9.5E-07	3.0E+00
740	1.08	1.1E-06	1.1E+01	1.1E-02	1.0E-03	1.3E-04	1.6E-01	5.5E-02	1.1E-06	3.0E+00
741	1.20	1.2E-06	1.2E+01	1.1E-02	1.0E-03	1.4E-04	1.6E-01	5.5E-02	1.2E-06	2.9E+00
742	1.29	1.3E-06	1.3E+01	1.1E-02	1.0E-03	1.5E-04	1.6E-01	5.5E-02	1.3E-06	2.9E+00
743	1.35	1.4E-06	1.4E+01	1.1E-02	1.0E-03	1.6E-04	1.6E-01	5.5E-02	1.4E-06	2.8E+00
744	1.39	1.4E-06	1.4E+01	1.1E-02	1.0E-03	1.6E-04	1.6E-01	5.5E-02	1.4E-06	2.7E+00
745	1.39	1.4E-06	1.4E+01	1.1E-02	1.0E-03	1.6E-04	1.6E-01	5.5E-02	1.4E-06	2.6E+00
746	1.35	1.4E-06	1.4E+01	1.1E-02	1.0E-03	1.6E-04	1.6E-01	5.5E-02	1.4E-06	2.5E+00
747	1.28	1.3E-06	1.3E+01	1.1E-02	1.0E-03	1.5E-04	1.6E-01	5.5E-02	1.3E-06	2.4E+00
748	1.18	1.2E-06	1.2E+01	1.1E-02	1.0E-03	1.4E-04	1.6E-01	5.5E-02	1.2E-06	2.3E+00
749	1.08	1.1E-06	1.1E+01	1.1E-02	1.0E-03	1.3E-04	1.6E-01	5.5E-02	1.1E-06	2.2E+00
750	0.97	9.7E-07	9.9E+00	1.1E-02	1.0E-03	1.1E-04	1.6E-01	5.5E-02	9.7E-07	2.1E+00
751	0.87	8.7E-07	8.9E+00	1.1E-02	1.0E-03	1.0E-04	1.6E-01	5.5E-02	8.7E-07	2.0E+00
752	0.78	7.8E-07	7.9E+00	1.1E-02	1.0E-03	9.1E-05	1.6E-01	5.5E-02	7.8E-07	1.9E+00
753	0.70	7.0E-07	7.1E+00	1.1E-02	1.0E-03	8.1E-05	1.6E-01	5.5E-02	7.0E-07	1.8E+00
754	0.63	6.3E-07	6.4E+00	1.1E-02	1.0E-03	7.3E-05	1.6E-01	5.5E-02	6.3E-07	1.7E+00
755	0.22	2.2E-07	2.3E+00	1.1E-02	1.0E-03	2.6E-05	1.6E-01	5.5E-02	2.2E-07	2.2E+00
756	0.25	2.5E-07	2.5E+00	1.1E-02	1.0E-03	2.9E-05	1.6E-01	5.5E-02	2.5E-07	2.3E+00
757	0.28	2.8E-07	2.8E+00	1.1E-02	1.0E-03	3.2E-05	1.6E-01	5.5E-02	2.8E-07	2.4E+00
758	0.31	3.1E-07	3.2E+00	1.1E-02	1.0E-03	3.6E-05	1.6E-01	5.5E-02	3.1E-07	2.5E+00
759	0.36	3.6E-07	3.6E+00	1.1E-02	1.0E-03	4.1E-05	1.6E-01	5.5E-02	3.6E-07	2.6E+00
760	0.41	4.1E-07	4.1E+00	1.1E-02	1.0E-03	4.7E-05	1.6E-01	5.5E-02	4.1E-07	2.6E+00
761	0.47	4.7E-07	4.7E+00	1.1E-02	1.0E-03	5.4E-05	1.6E-01	5.5E-02	4.7E-07	2.7E+00
762	0.54	5.4E-07	5.5E+00	1.1E-02	1.0E-03	6.2E-05	1.6E-01	5.5E-02	5.4E-07	2.7E+00
763	0.61	6.1E-07	6.2E+00	1.1E-02	1.0E-03	7.1E-05	1.6E-01	5.5E-02	6.1E-07	2.8E+00
764	0.70	7.0E-07	7.1E+00	1.1E-02	1.0E-03	8.1E-05	1.6E-01	5.5E-02	7.0E-07	2.8E+00
765	0.79	7.9E-07	8.0E+00	1.1E-02	1.0E-03	9.1E-05	1.6E-01	5.5E-02	7.9E-07	2.7E+00
766	0.88	8.8E-07	8.9E+00	1.1E-02	1.0E-03	1.0E-04	1.6E-01	5.5E-02	8.8E-07	2.7E+00
767	0.97	9.7E-07	9.8E+00	1.1E-02	1.0E-03	1.1E-04	1.6E-01	5.5E-02	9.7E-07	2.7E+00
768	1.03	1.0E-06	1.0E+01	1.1E-02	1.0E-03	1.2E-04	1.6E-01	5.5E-02	1.0E-06	2.6E+00
769	1.08	1.1E-06	1.1E+01	1.1E-02	1.0E-03	1.3E-04	1.6E-01	5.5E-02	1.1E-06	2.6E+00
770	1.11	1.1E-06	1.1E+01	1.1E-02	1.0E-03	1.3E-04	1.6E-01	5.5E-02	1.1E-06	2.5E+00
771	1.12	1.1E-06	1.1E+01	1.1E-02	1.0E-03	1.3E-04	1.6E-01	5.5E-02	1.1E-06	2.4E+00
772	1.10	1.1E-06	1.1E+01	1.1E-02	1.0E-03	1.3E-04	1.6E-01	5.5E-02	1.1E-06	2.3E+00
773	1.06	1.1E-06	1.1E+01	1.1E-02	1.0E-03	1.2E-04	1.6E-01	5.5E-02	1.1E-06	2.2E+00
774	0.99	9.9E-07	1.0E+01	1.1E-02	1.0E-03	1.1E-04	1.6E-01	5.5E-02	9.9E-07	2.2E+00
775	0.91	9.1E-07	9.3E+00	1.1E-02	1.0E-03	1.1E-04	1.6E-01	5.5E-02	9.1E-07	2.1E+00
776	0.84	8.4E-07	8.5E+00	1.1E-02	1.0E-03	9.7E-05	1.6E-01	5.5E-02	8.4E-07	2.0E+00
777	0.77	7.7E-07	7.8E+00	1.1E-02	1.0E-03	8.9E-05	1.6E-01	5.5E-02	7.7E-07	1.9E+00
778	0.69	6.9E-07	7.1E+00	1.1E-02	1.0E-03	8.1E-05	1.6E-01	5.5E-02	6.9E-07	1.8E+00

779	0.63	6.3E-07	6.4E+00	1.1E-02	1.0E-03	7.3E-05	1.6E-01	5.5E-02	6.3E-07	1.7E+00
780	0.57	5.7E-07	5.8E+00	1.1E-02	1.0E-03	6.6E-05	1.6E-01	5.5E-02	5.7E-07	1.6E+00
781	0.21	2.1E-07	2.1E+00	1.1E-02	1.0E-03	2.4E-05	1.6E-01	5.5E-02	2.1E-07	2.0E+00
782	0.23	2.3E-07	2.4E+00	1.1E-02	1.0E-03	2.7E-05	1.6E-01	5.5E-02	2.3E-07	2.1E+00
783	0.26	2.6E-07	2.6E+00	1.1E-02	1.0E-03	3.0E-05	1.6E-01	5.5E-02	2.6E-07	2.2E+00
784	0.29	2.9E-07	3.0E+00	1.1E-02	1.0E-03	3.4E-05	1.6E-01	5.5E-02	2.9E-07	2.3E+00
785	0.33	3.3E-07	3.3E+00	1.1E-02	1.0E-03	3.8E-05	1.6E-01	5.5E-02	3.3E-07	2.4E+00
786	0.37	3.7E-07	3.8E+00	1.1E-02	1.0E-03	4.3E-05	1.6E-01	5.5E-02	3.7E-07	2.4E+00
787	0.42	4.2E-07	4.3E+00	1.1E-02	1.0E-03	4.9E-05	1.6E-01	5.5E-02	4.2E-07	2.5E+00
788	0.48	4.8E-07	4.8E+00	1.1E-02	1.0E-03	5.5E-05	1.6E-01	5.5E-02	4.8E-07	2.5E+00
789	0.53	5.3E-07	5.4E+00	1.1E-02	1.0E-03	6.2E-05	1.6E-01	5.5E-02	5.3E-07	2.5E+00
790	0.60	6.0E-07	6.1E+00	1.1E-02	1.0E-03	6.9E-05	1.6E-01	5.5E-02	6.0E-07	2.5E+00
791	0.67	6.7E-07	6.8E+00	1.1E-02	1.0E-03	7.7E-05	1.6E-01	5.5E-02	6.7E-07	2.5E+00
792	0.73	7.3E-07	7.5E+00	1.1E-02	1.0E-03	8.5E-05	1.6E-01	5.5E-02	7.3E-07	2.5E+00
793	0.80	8.0E-07	8.1E+00	1.1E-02	1.0E-03	9.3E-05	1.6E-01	5.5E-02	8.0E-07	2.5E+00
794	0.85	8.5E-07	8.6E+00	1.1E-02	1.0E-03	9.8E-05	1.6E-01	5.5E-02	8.5E-07	2.4E+00
795	0.89	8.9E-07	9.0E+00	1.1E-02	1.0E-03	1.0E-04	1.6E-01	5.5E-02	8.9E-07	2.4E+00
796	0.92	9.2E-07	9.3E+00	1.1E-02	1.0E-03	1.1E-04	1.6E-01	5.5E-02	9.2E-07	2.3E+00
797	0.93	9.3E-07	9.4E+00	1.1E-02	1.0E-03	1.1E-04	1.6E-01	5.5E-02	9.3E-07	2.3E+00
798	0.92	9.2E-07	9.3E+00	1.1E-02	1.0E-03	1.1E-04	1.6E-01	5.5E-02	9.2E-07	2.2E+00
799	0.89	8.9E-07	9.0E+00	1.1E-02	1.0E-03	1.0E-04	1.6E-01	5.5E-02	8.9E-07	2.1E+00
800	0.84	8.4E-07	8.5E+00	1.1E-02	1.0E-03	9.7E-05	1.6E-01	5.5E-02	8.4E-07	2.0E+00
801	0.78	7.8E-07	8.0E+00	1.1E-02	1.0E-03	9.1E-05	1.6E-01	5.5E-02	7.8E-07	1.9E+00
802	0.73	7.3E-07	7.4E+00	1.1E-02	1.0E-03	8.5E-05	1.6E-01	5.5E-02	7.3E-07	1.9E+00
803	0.68	6.8E-07	6.9E+00	1.1E-02	1.0E-03	7.9E-05	1.6E-01	5.5E-02	6.8E-07	1.8E+00
804	0.62	6.2E-07	6.3E+00	1.1E-02	1.0E-03	7.2E-05	1.6E-01	5.5E-02	6.2E-07	1.7E+00
805	0.57	5.7E-07	5.8E+00	1.1E-02	1.0E-03	6.6E-05	1.6E-01	5.5E-02	5.7E-07	1.6E+00
806	0.52	5.2E-07	5.3E+00	1.1E-02	1.0E-03	6.0E-05	1.6E-01	5.5E-02	5.2E-07	1.6E+00

Franklin School Project

Risk From New Building Demo - Unmitigated Residential

Haul Route 1A							Haul Route 2A							
g/sec	D1	Dose	R1	ED	Risk	Conc	g/sec	D1	Dose	R1	ED	Risk	Conc	g/sec
2.0E-06	1.0E-03	6.6E-10	1.6E-01	5.5E-02	5.7E-12	3.4E-01	6.2E-06	1.0E-03	2.2E-09	1.6E-01	5.5E-02	1.9E-11	3.4E-01	1.3E-05
2.0E-06	1.0E-03	7.5E-10	1.6E-01	5.5E-02	6.5E-12	3.9E-01	6.2E-06	1.0E-03	2.5E-09	1.6E-01	5.5E-02	2.2E-11	3.9E-01	1.3E-05
2.0E-06	1.0E-03	8.5E-10	1.6E-01	5.5E-02	7.3E-12	4.5E-01	6.2E-06	1.0E-03	2.9E-09	1.6E-01	5.5E-02	2.5E-11	4.5E-01	1.3E-05
2.0E-06	1.0E-03	9.5E-10	1.6E-01	5.5E-02	8.2E-12	5.2E-01	6.2E-06	1.0E-03	3.3E-09	1.6E-01	5.5E-02	2.9E-11	5.2E-01	1.3E-05
2.0E-06	1.0E-03	1.0E-09	1.6E-01	5.5E-02	9.0E-12	5.8E-01	6.2E-06	1.0E-03	3.8E-09	1.6E-01	5.5E-02	3.3E-11	5.8E-01	1.3E-05
2.0E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-02	9.8E-12	6.5E-01	6.2E-06	1.0E-03	4.2E-09	1.6E-01	5.5E-02	3.6E-11	6.5E-01	1.3E-05
2.0E-06	1.0E-03	1.2E-09	1.6E-01	5.5E-02	1.1E-11	7.1E-01	6.2E-06	1.0E-03	4.6E-09	1.6E-01	5.5E-02	3.9E-11	7.1E-01	1.3E-05
2.0E-06	1.0E-03	1.3E-09	1.6E-01	5.5E-02	1.1E-11	7.7E-01	6.2E-06	1.0E-03	5.0E-09	1.6E-01	5.5E-02	4.3E-11	7.7E-01	1.3E-05
2.0E-06	1.0E-03	1.4E-09	1.6E-01	5.5E-02	1.2E-11	8.4E-01	6.2E-06	1.0E-03	5.5E-09	1.6E-01	5.5E-02	4.7E-11	8.4E-01	1.3E-05
2.0E-06	1.0E-03	1.5E-09	1.6E-01	5.5E-02	1.3E-11	9.2E-01	6.2E-06	1.0E-03	6.0E-09	1.6E-01	5.5E-02	5.1E-11	9.2E-01	1.3E-05
2.0E-06	1.0E-03	1.7E-09	1.6E-01	5.5E-02	1.4E-11	9.9E-01	6.2E-06	1.0E-03	6.4E-09	1.6E-01	5.5E-02	5.5E-11	9.9E-01	1.3E-05
2.0E-06	1.0E-03	1.7E-09	1.6E-01	5.5E-02	1.5E-11	1.0E+00	6.2E-06	1.0E-03	6.7E-09	1.6E-01	5.5E-02	5.8E-11	1.0E+00	1.3E-05
2.0E-06	1.0E-03	1.7E-09	1.6E-01	5.5E-02	1.5E-11	1.0E+00	6.2E-06	1.0E-03	6.8E-09	1.6E-01	5.5E-02	5.8E-11	1.0E+00	1.3E-05
2.0E-06	1.0E-03	1.7E-09	1.6E-01	5.5E-02	1.5E-11	1.0E+00	6.2E-06	1.0E-03	6.6E-09	1.6E-01	5.5E-02	5.7E-11	1.0E+00	1.3E-05
2.0E-06	1.0E-03	1.6E-09	1.6E-01	5.5E-02	1.4E-11	9.5E-01	6.2E-06	1.0E-03	6.2E-09	1.6E-01	5.5E-02	5.3E-11	9.5E-01	1.3E-05
2.0E-06	1.0E-03	1.5E-09	1.6E-01	5.5E-02	1.3E-11	8.8E-01	6.2E-06	1.0E-03	5.7E-09	1.6E-01	5.5E-02	4.9E-11	8.8E-01	1.3E-05
2.0E-06	1.0E-03	7.7E-10	1.6E-01	5.5E-02	6.6E-12	3.9E-01	6.2E-06	1.0E-03	2.5E-09	1.6E-01	5.5E-02	2.2E-11	3.9E-01	1.3E-05
2.0E-06	1.0E-03	9.0E-10	1.6E-01	5.5E-02	7.7E-12	4.7E-01	6.2E-06	1.0E-03	3.0E-09	1.6E-01	5.5E-02	2.6E-11	4.7E-01	1.3E-05
2.0E-06	1.0E-03	1.0E-09	1.6E-01	5.5E-02	9.0E-12	5.5E-01	6.2E-06	1.0E-03	3.6E-09	1.6E-01	5.5E-02	3.1E-11	5.5E-01	1.3E-05
2.0E-06	1.0E-03	1.2E-09	1.6E-01	5.5E-02	1.0E-11	6.5E-01	6.2E-06	1.0E-03	4.2E-09	1.6E-01	5.5E-02	3.7E-11	6.5E-01	1.3E-05
2.0E-06	1.0E-03	1.4E-09	1.6E-01	5.5E-02	1.2E-11	7.6E-01	6.2E-06	1.0E-03	4.9E-09	1.6E-01	5.5E-02	4.3E-11	7.6E-01	1.3E-05
2.0E-06	1.0E-03	1.5E-09	1.6E-01	5.5E-02	1.3E-11	8.7E-01	6.2E-06	1.0E-03	5.7E-09	1.6E-01	5.5E-02	4.9E-11	8.7E-01	1.3E-05
2.0E-06	1.0E-03	1.6E-09	1.6E-01	5.5E-02	1.4E-11	9.7E-01	6.2E-06	1.0E-03	6.3E-09	1.6E-01	5.5E-02	5.4E-11	9.7E-01	1.3E-05
2.0E-06	1.0E-03	1.8E-09	1.6E-01	5.5E-02	1.5E-11	1.1E+00	6.2E-06	1.0E-03	7.0E-09	1.6E-01	5.5E-02	6.1E-11	1.1E+00	1.3E-05
2.0E-06	1.0E-03	2.0E-09	1.6E-01	5.5E-02	1.7E-11	1.2E+00	6.2E-06	1.0E-03	7.8E-09	1.6E-01	5.5E-02	6.7E-11	1.2E+00	1.3E-05
2.0E-06	1.0E-03	2.2E-09	1.6E-01	5.5E-02	1.9E-11	1.3E+00	6.2E-06	1.0E-03	8.6E-09	1.6E-01	5.5E-02	7.4E-11	1.3E+00	1.3E-05
2.0E-06	1.0E-03	2.3E-09	1.6E-01	5.5E-02	2.0E-11	1.4E+00	6.2E-06	1.0E-03	9.2E-09	1.6E-01	5.5E-02	7.9E-11	1.4E+00	1.3E-05
2.0E-06	1.0E-03	2.3E-09	1.6E-01	5.5E-02	2.0E-11	1.4E+00	6.2E-06	1.0E-03	9.3E-09	1.6E-01	5.5E-02	8.0E-11	1.4E+00	1.3E-05
2.0E-06	1.0E-03	2.3E-09	1.6E-01	5.5E-02	2.0E-11	1.4E+00	6.2E-06	1.0E-03	9.0E-09	1.6E-01	5.5E-02	7.7E-11	1.4E+00	1.3E-05
2.0E-06	1.0E-03	2.1E-09	1.6E-01	5.5E-02	1.8E-11	1.3E+00	6.2E-06	1.0E-03	8.3E-09	1.6E-01	5.5E-02	7.2E-11	1.3E+00	1.3E-05
2.0E-06	1.0E-03	2.0E-09	1.6E-01	5.5E-02	1.7E-11	1.2E+00	6.2E-06	1.0E-03	7.5E-09	1.6E-01	5.5E-02	6.4E-11	1.2E+00	1.3E-05
2.0E-06	1.0E-03	1.8E-09	1.6E-01	5.5E-02	1.5E-11	1.0E+00	6.2E-06	1.0E-03	6.6E-09	1.6E-01	5.5E-02	5.7E-11	1.0E+00	1.3E-05
2.0E-06	1.0E-03	9.1E-10	1.6E-01	5.5E-02	7.8E-12	4.5E-01	6.2E-06	1.0E-03	3.0E-09	1.6E-01	5.5E-02	2.5E-11	4.5E-01	1.3E-05
2.0E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-02	9.4E-12	5.6E-01	6.2E-06	1.0E-03	3.6E-09	1.6E-01	5.5E-02	3.1E-11	5.6E-01	1.3E-05
2.0E-06	1.0E-03	1.3E-09	1.6E-01	5.5E-02	1.1E-11	6.9E-01	6.2E-06	1.0E-03	4.5E-09	1.6E-01	5.5E-02	3.8E-11	6.9E-01	1.3E-05
2.0E-06	1.0E-03	1.6E-09	1.6E-01	5.5E-02	1.3E-11	8.5E-01	6.2E-06	1.0E-03	5.5E-09	1.6E-01	5.5E-02	4.7E-11	8.5E-01	1.3E-05
2.0E-06	1.0E-03	1.8E-09	1.6E-01	5.5E-02	1.6E-11	1.0E+00	6.2E-06	1.0E-03	6.7E-09	1.6E-01	5.5E-02	5.8E-11	1.0E+00	1.3E-05
2.0E-06	1.0E-03	2.1E-09	1.6E-01	5.5E-02	1.8E-11	1.2E+00	6.2E-06	1.0E-03	8.0E-09	1.6E-01	5.5E-02	6.9E-11	1.2E+00	1.3E-05
2.0E-06	1.0E-03	2.3E-09	1.6E-01	5.5E-02	2.0E-11	1.4E+00	6.2E-06	1.0E-03	9.3E-09	1.6E-01	5.5E-02	8.0E-11	1.4E+00	1.3E-05
2.0E-06	1.0E-03	2.6E-09	1.6E-01	5.5E-02	2.2E-11	1.6E+00	6.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.2E-11	1.6E+00	1.3E-05
2.0E-06	1.0E-03	2.9E-09	1.6E-01	5.5E-02	2.5E-11	1.9E+00	6.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.0E-10	1.9E+00	1.3E-05
2.0E-06	1.0E-03	3.2E-09	1.6E-01	5.5E-02	2.7E-11	2.1E+00	6.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10	2.1E+00	1.3E-05
2.0E-06	1.0E-03	3.3E-09	1.6E-01	5.5E-02	2.8E-11	2.1E+00	6.2E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10	2.1E+00	1.3E-05

2.0E-06	1.0E-03	3.2E-09	1.6E-01	5.5E-02	2.7E-11	2.0E+00	6.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10	2.0E+00	1.3E-05
2.0E-06	1.0E-03	2.9E-09	1.6E-01	5.5E-02	2.5E-11	1.8E+00	6.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.0E-10	1.8E+00	1.3E-05
2.0E-06	1.0E-03	2.6E-09	1.6E-01	5.5E-02	2.3E-11	1.6E+00	6.2E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-02	8.8E-11	1.6E+00	1.3E-05
2.0E-06	1.0E-03	2.3E-09	1.6E-01	5.5E-02	2.0E-11	1.3E+00	6.2E-06	1.0E-03	8.7E-09	1.6E-01	5.5E-02	7.5E-11	1.3E+00	1.3E-05
2.0E-06	1.0E-03	2.0E-09	1.6E-01	5.5E-02	1.7E-11	1.1E+00	6.2E-06	1.0E-03	7.4E-09	1.6E-01	5.5E-02	6.4E-11	1.1E+00	1.3E-05
2.0E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-02	9.2E-12	5.2E-01	6.2E-06	1.0E-03	3.4E-09	1.6E-01	5.5E-02	2.9E-11	5.2E-01	1.3E-05
2.0E-06	1.0E-03	1.3E-09	1.6E-01	5.5E-02	1.1E-11	6.6E-01	6.2E-06	1.0E-03	4.3E-09	1.6E-01	5.5E-02	3.7E-11	6.6E-01	1.3E-05
2.0E-06	1.0E-03	1.7E-09	1.6E-01	5.5E-02	1.4E-11	8.6E-01	6.2E-06	1.0E-03	5.6E-09	1.6E-01	5.5E-02	4.8E-11	8.6E-01	1.3E-05
2.0E-06	1.0E-03	2.1E-09	1.6E-01	5.5E-02	1.8E-11	1.1E+00	6.2E-06	1.0E-03	7.3E-09	1.6E-01	5.5E-02	6.3E-11	1.1E+00	1.3E-05
2.0E-06	1.0E-03	2.6E-09	1.6E-01	5.5E-02	2.2E-11	1.5E+00	6.2E-06	1.0E-03	9.6E-09	1.6E-01	5.5E-02	8.3E-11	1.5E+00	1.3E-05
2.0E-06	1.0E-03	3.1E-09	1.6E-01	5.5E-02	2.7E-11	1.9E+00	6.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.1E-10	1.9E+00	1.3E-05
2.0E-06	1.0E-03	3.6E-09	1.6E-01	5.5E-02	3.1E-11	2.3E+00	6.2E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-02	1.3E-10	2.3E+00	1.3E-05
2.0E-06	1.0E-03	4.1E-09	1.6E-01	5.5E-02	3.6E-11	2.8E+00	6.2E-06	1.0E-03	1.8E-08	1.6E-01	5.5E-02	1.6E-10	2.8E+00	1.3E-05
2.0E-06	1.0E-03	4.7E-09	1.6E-01	5.5E-02	4.0E-11	3.2E+00	6.2E-06	1.0E-03	2.1E-08	1.6E-01	5.5E-02	1.8E-10	3.2E+00	1.3E-05
2.0E-06	1.0E-03	4.9E-09	1.6E-01	5.5E-02	4.2E-11	3.4E+00	6.2E-06	1.0E-03	2.2E-08	1.6E-01	5.5E-02	1.9E-10	3.4E+00	1.3E-05
2.0E-06	1.0E-03	4.7E-09	1.6E-01	5.5E-02	4.0E-11	3.1E+00	6.2E-06	1.0E-03	2.0E-08	1.6E-01	5.5E-02	1.8E-10	3.1E+00	1.3E-05
2.0E-06	1.0E-03	4.2E-09	1.6E-01	5.5E-02	3.6E-11	2.7E+00	6.2E-06	1.0E-03	1.8E-08	1.6E-01	5.5E-02	1.5E-10	2.7E+00	1.3E-05
2.0E-06	1.0E-03	3.7E-09	1.6E-01	5.5E-02	3.2E-11	2.3E+00	6.2E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-02	1.3E-10	2.3E+00	1.3E-05
2.0E-06	1.0E-03	3.1E-09	1.6E-01	5.5E-02	2.7E-11	1.8E+00	6.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.0E-10	1.8E+00	1.3E-05
2.0E-06	1.0E-03	2.6E-09	1.6E-01	5.5E-02	2.3E-11	1.5E+00	6.2E-06	1.0E-03	9.7E-09	1.6E-01	5.5E-02	8.3E-11	1.5E+00	1.3E-05
2.0E-06	1.0E-03	2.2E-09	1.6E-01	5.5E-02	1.9E-11	1.2E+00	6.2E-06	1.0E-03	7.9E-09	1.6E-01	5.5E-02	6.8E-11	1.2E+00	1.3E-05
2.0E-06	1.0E-03	1.2E-09	1.6E-01	5.5E-02	1.1E-11	5.9E-01	6.2E-06	1.0E-03	3.8E-09	1.6E-01	5.5E-02	3.3E-11	5.9E-01	1.3E-05
2.0E-06	1.0E-03	1.6E-09	1.6E-01	5.5E-02	1.4E-11	7.8E-01	6.2E-06	1.0E-03	5.0E-09	1.6E-01	5.5E-02	4.3E-11	7.8E-01	1.3E-05
2.0E-06	1.0E-03	2.1E-09	1.6E-01	5.5E-02	1.8E-11	1.1E+00	6.2E-06	1.0E-03	6.9E-09	1.6E-01	5.5E-02	6.0E-11	1.1E+00	1.3E-05
2.0E-06	1.0E-03	2.9E-09	1.6E-01	5.5E-02	2.5E-11	1.5E+00	6.2E-06	1.0E-03	9.9E-09	1.6E-01	5.5E-02	8.5E-11	1.5E+00	1.3E-05
2.0E-06	1.0E-03	3.9E-09	1.6E-01	5.5E-02	3.4E-11	2.2E+00	6.2E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-02	1.3E-10	2.2E+00	1.3E-05
2.0E-06	1.0E-03	5.1E-09	1.6E-01	5.5E-02	4.4E-11	3.3E+00	6.2E-06	1.0E-03	2.1E-08	1.6E-01	5.5E-02	1.8E-10	3.3E+00	1.3E-05
2.0E-06	1.0E-03	6.3E-09	1.6E-01	5.5E-02	5.4E-11	4.5E+00	6.2E-06	1.0E-03	2.9E-08	1.6E-01	5.5E-02	2.5E-10	4.5E+00	1.3E-05
2.0E-06	1.0E-03	7.5E-09	1.6E-01	5.5E-02	6.5E-11	5.6E+00	6.2E-06	1.0E-03	3.7E-08	1.6E-01	5.5E-02	3.2E-10	5.6E+00	1.3E-05
2.0E-06	1.0E-03	8.1E-09	1.6E-01	5.5E-02	7.0E-11	6.2E+00	6.2E-06	1.0E-03	4.0E-08	1.6E-01	5.5E-02	3.5E-10	6.2E+00	1.3E-05
2.0E-06	1.0E-03	7.7E-09	1.6E-01	5.5E-02	6.6E-11	5.6E+00	6.2E-06	1.0E-03	3.6E-08	1.6E-01	5.5E-02	3.1E-10	5.6E+00	1.3E-05
2.0E-06	1.0E-03	6.6E-09	1.6E-01	5.5E-02	5.7E-11	4.5E+00	6.2E-06	1.0E-03	2.9E-08	1.6E-01	5.5E-02	2.5E-10	4.5E+00	1.3E-05
2.0E-06	1.0E-03	5.4E-09	1.6E-01	5.5E-02	4.7E-11	3.4E+00	6.2E-06	1.0E-03	2.2E-08	1.6E-01	5.5E-02	1.9E-10	3.4E+00	1.3E-05
2.0E-06	1.0E-03	4.3E-09	1.6E-01	5.5E-02	3.7E-11	2.6E+00	6.2E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-02	1.5E-10	2.6E+00	1.3E-05
2.0E-06	1.0E-03	3.5E-09	1.6E-01	5.5E-02	3.0E-11	2.0E+00	6.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10	2.0E+00	1.3E-05
2.0E-06	1.0E-03	2.8E-09	1.6E-01	5.5E-02	2.4E-11	1.5E+00	6.2E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-02	8.6E-11	1.5E+00	1.3E-05
2.0E-06	1.0E-03	2.3E-09	1.6E-01	5.5E-02	2.0E-11	1.2E+00	6.2E-06	1.0E-03	7.9E-09	1.6E-01	5.5E-02	6.8E-11	1.2E+00	1.3E-05
2.0E-06	1.0E-03	1.4E-09	1.6E-01	5.5E-02	1.2E-11	6.5E-01	6.2E-06	1.0E-03	4.2E-09	1.6E-01	5.5E-02	3.6E-11	6.5E-01	1.3E-05
2.0E-06	1.0E-03	1.9E-09	1.6E-01	5.5E-02	1.6E-11	8.8E-01	6.2E-06	1.0E-03	5.7E-09	1.6E-01	5.5E-02	4.9E-11	8.8E-01	1.3E-05
2.0E-06	1.0E-03	2.7E-09	1.6E-01	5.5E-02	2.3E-11	1.3E+00	6.2E-06	1.0E-03	8.3E-09	1.6E-01	5.5E-02	7.2E-11	1.3E+00	1.3E-05
2.0E-06	1.0E-03	4.1E-09	1.6E-01	5.5E-02	3.5E-11	2.0E+00	6.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10	2.0E+00	1.3E-05
2.0E-06	1.0E-03	6.3E-09	1.6E-01	5.5E-02	5.5E-11	3.5E+00	6.2E-06	1.0E-03	2.3E-08	1.6E-01	5.5E-02	1.9E-10	3.5E+00	1.3E-05
2.0E-06	1.0E-03	9.8E-09	1.6E-01	5.5E-02	8.4E-11	6.5E+00	6.2E-06	1.0E-03	4.2E-08	1.6E-01	5.5E-02	3.6E-10	6.5E+00	1.3E-05
2.0E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10	1.1E+01	6.2E-06	1.0E-03	7.3E-08	1.6E-01	5.5E-02	6.3E-10	1.1E+01	1.3E-05
2.0E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-02	1.4E-10	1.5E+01	6.2E-06	1.0E-03	9.7E-08	1.6E-01	5.5E-02	8.3E-10	1.5E+01	1.3E-05
2.0E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-02	1.3E-10	1.3E+01	6.2E-06	1.0E-03	8.3E-08	1.6E-01	5.5E-02	7.2E-10	1.3E+01	1.3E-05
2.0E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	9.9E-11	8.7E+00	6.2E-06	1.0E-03	5.7E-08	1.6E-01	5.5E-02	4.9E-10	8.7E+00	1.3E-05
2.0E-06	1.0E-03	8.5E-09	1.6E-01	5.5E-02	7.4E-11	5.7E+00	6.2E-06	1.0E-03	3.7E-08	1.6E-01	5.5E-02	3.2E-10	5.7E+00	1.3E-05
2.0E-06	1.0E-03	6.3E-09	1.6E-01	5.5E-02	5.5E-11	3.9E+00	6.2E-06	1.0E-03	2.5E-08	1.6E-01	5.5E-02	2.2E-10	3.9E+00	1.3E-05

2.0E-06	1.0E-03	4.7E-09	1.6E-01	5.5E-02	4.1E-11	2.7E+00	6.2E-06	1.0E-03	1.8E-08	1.6E-01	5.5E-02	1.5E-10	2.7E+00	1.3E-05
2.0E-06	1.0E-03	3.6E-09	1.6E-01	5.5E-02	3.1E-11	2.0E+00	6.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10	2.0E+00	1.3E-05
2.0E-06	1.0E-03	2.8E-09	1.6E-01	5.5E-02	2.4E-11	1.5E+00	6.2E-06	1.0E-03	9.7E-09	1.6E-01	5.5E-02	8.3E-11	1.5E+00	1.3E-05
2.0E-06	1.0E-03	2.2E-09	1.6E-01	5.5E-02	1.9E-11	1.2E+00	6.2E-06	1.0E-03	7.5E-09	1.6E-01	5.5E-02	6.4E-11	1.2E+00	1.3E-05
2.0E-06	1.0E-03	1.5E-09	1.6E-01	5.5E-02	1.3E-11	6.8E-01	6.2E-06	1.0E-03	4.4E-09	1.6E-01	5.5E-02	3.8E-11	6.8E-01	1.3E-05
2.0E-06	1.0E-03	2.2E-09	1.6E-01	5.5E-02	1.9E-11	9.5E-01	6.2E-06	1.0E-03	6.1E-09	1.6E-01	5.5E-02	5.3E-11	9.5E-01	1.3E-05
2.0E-06	1.0E-03	3.3E-09	1.6E-01	5.5E-02	2.9E-11	1.4E+00	6.2E-06	1.0E-03	9.4E-09	1.6E-01	5.5E-02	8.1E-11	1.4E+00	1.3E-05
2.0E-06	1.0E-03	5.6E-09	1.6E-01	5.5E-02	4.8E-11	2.5E+00	6.2E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-02	1.4E-10	2.5E+00	1.3E-05
2.0E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.2E-11	5.0E+00	6.2E-06	1.0E-03	3.2E-08	1.6E-01	5.5E-02	2.8E-10	5.0E+00	1.3E-05
2.0E-06	1.0E-03	2.4E-08	1.6E-01	5.5E-02	2.1E-10	1.4E+01	6.2E-06	1.0E-03	9.2E-08	1.6E-01	5.5E-02	7.9E-10	1.4E+01	1.3E-05
2.0E-06	1.0E-03	4.8E-08	1.6E-01	5.5E-02	4.2E-10	5.4E+01	6.2E-06	1.0E-03	3.5E-07	1.6E-01	5.5E-02	3.0E-09	5.4E+01	1.3E-05
2.0E-06	1.0E-03	4.1E-08	1.6E-01	5.5E-02	3.5E-10	6.1E+01	6.2E-06	1.0E-03	3.9E-07	1.6E-01	5.5E-02	3.4E-09	6.1E+01	1.3E-05
2.0E-06	1.0E-03	2.5E-08	1.6E-01	5.5E-02	2.2E-10	2.4E+01	6.2E-06	1.0E-03	1.5E-07	1.6E-01	5.5E-02	1.3E-09	2.4E+01	1.3E-05
2.0E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-02	1.3E-10	1.1E+01	6.2E-06	1.0E-03	7.1E-08	1.6E-01	5.5E-02	6.1E-10	1.1E+01	1.3E-05
2.0E-06	1.0E-03	9.7E-09	1.6E-01	5.5E-02	8.4E-11	6.0E+00	6.2E-06	1.0E-03	3.9E-08	1.6E-01	5.5E-02	3.4E-10	6.0E+00	1.3E-05
2.0E-06	1.0E-03	6.6E-09	1.6E-01	5.5E-02	5.7E-11	3.8E+00	6.2E-06	1.0E-03	2.4E-08	1.6E-01	5.5E-02	2.1E-10	3.8E+00	1.3E-05
2.0E-06	1.0E-03	4.7E-09	1.6E-01	5.5E-02	4.0E-11	2.5E+00	6.2E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-02	1.4E-10	2.5E+00	1.3E-05
2.0E-06	1.0E-03	3.5E-09	1.6E-01	5.5E-02	3.0E-11	1.8E+00	6.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.0E-10	1.8E+00	1.3E-05
2.0E-06	1.0E-03	2.6E-09	1.6E-01	5.5E-02	2.3E-11	1.3E+00	6.2E-06	1.0E-03	8.7E-09	1.6E-01	5.5E-02	7.5E-11	1.3E+00	1.3E-05
2.0E-06	1.0E-03	2.1E-09	1.6E-01	5.5E-02	1.8E-11	1.0E+00	6.2E-06	1.0E-03	6.7E-09	1.6E-01	5.5E-02	5.8E-11	1.0E+00	1.3E-05
2.0E-06	1.0E-03	1.6E-09	1.6E-01	5.5E-02	1.4E-11	6.9E-01	6.2E-06	1.0E-03	4.4E-09	1.6E-01	5.5E-02	3.8E-11	6.9E-01	1.3E-05
2.0E-06	1.0E-03	2.3E-09	1.6E-01	5.5E-02	2.0E-11	9.7E-01	6.2E-06	1.0E-03	6.3E-09	1.6E-01	5.5E-02	5.4E-11	9.7E-01	1.3E-05
2.0E-06	1.0E-03	3.7E-09	1.6E-01	5.5E-02	3.2E-11	1.5E+00	6.2E-06	1.0E-03	9.6E-09	1.6E-01	5.5E-02	8.3E-11	1.5E+00	1.3E-05
2.0E-06	1.0E-03	6.8E-09	1.6E-01	5.5E-02	5.8E-11	2.6E+00	6.2E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-02	1.4E-10	2.6E+00	1.3E-05
2.0E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-02	1.3E-10	5.5E+00	6.2E-06	1.0E-03	3.6E-08	1.6E-01	5.5E-02	3.1E-10	5.5E+00	1.3E-05
2.0E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-02	1.4E-10	9.6E+00	6.2E-06	1.0E-03	6.2E-08	1.6E-01	5.5E-02	5.4E-10	9.6E+00	1.3E-05
2.0E-06	1.0E-03	9.3E-09	1.6E-01	5.5E-02	8.0E-11	5.1E+00	6.2E-06	1.0E-03	3.3E-08	1.6E-01	5.5E-02	2.9E-10	5.1E+00	1.3E-05
2.0E-06	1.0E-03	6.1E-09	1.6E-01	5.5E-02	5.2E-11	3.2E+00	6.2E-06	1.0E-03	2.1E-08	1.6E-01	5.5E-02	1.8E-10	3.2E+00	1.3E-05
2.0E-06	1.0E-03	4.2E-09	1.6E-01	5.5E-02	3.6E-11	2.1E+00	6.2E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10	2.1E+00	1.3E-05
2.0E-06	1.0E-03	3.1E-09	1.6E-01	5.5E-02	2.7E-11	1.5E+00	6.2E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-02	8.6E-11	1.5E+00	1.3E-05
2.0E-06	1.0E-03	2.4E-09	1.6E-01	5.5E-02	2.0E-11	1.2E+00	6.2E-06	1.0E-03	7.5E-09	1.6E-01	5.5E-02	6.5E-11	1.2E+00	1.3E-05
2.0E-06	1.0E-03	1.8E-09	1.6E-01	5.5E-02	1.6E-11	9.0E-01	6.2E-06	1.0E-03	5.9E-09	1.6E-01	5.5E-02	5.1E-11	9.0E-01	1.3E-05
2.0E-06	1.0E-03	1.6E-09	1.6E-01	5.5E-02	1.4E-11	6.6E-01	6.2E-06	1.0E-03	4.3E-09	1.6E-01	5.5E-02	3.7E-11	6.6E-01	1.3E-05
2.0E-06	1.0E-03	2.3E-09	1.6E-01	5.5E-02	2.0E-11	9.1E-01	6.2E-06	1.0E-03	5.9E-09	1.6E-01	5.5E-02	5.1E-11	9.1E-01	1.3E-05
2.0E-06	1.0E-03	3.7E-09	1.6E-01	5.5E-02	3.2E-11	1.4E+00	6.2E-06	1.0E-03	8.8E-09	1.6E-01	5.5E-02	7.6E-11	1.4E+00	1.3E-05
2.0E-06	1.0E-03	6.7E-09	1.6E-01	5.5E-02	5.8E-11	2.2E+00	6.2E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10	2.2E+00	1.3E-05
2.0E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-02	1.3E-10	4.1E+00	6.2E-06	1.0E-03	2.6E-08	1.6E-01	5.5E-02	2.3E-10	4.1E+00	1.3E-05
2.0E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10	6.4E+00	6.2E-06	1.0E-03	4.2E-08	1.6E-01	5.5E-02	3.6E-10	6.4E+00	1.3E-05
2.0E-06	1.0E-03	7.7E-09	1.6E-01	5.5E-02	6.6E-11	3.9E+00	6.2E-06	1.0E-03	2.5E-08	1.6E-01	5.5E-02	2.2E-10	3.9E+00	1.3E-05
2.0E-06	1.0E-03	5.0E-09	1.6E-01	5.5E-02	4.3E-11	2.5E+00	6.2E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-02	1.4E-10	2.5E+00	1.3E-05
2.0E-06	1.0E-03	3.6E-09	1.6E-01	5.5E-02	3.1E-11	1.8E+00	6.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.9E-11	1.8E+00	1.3E-05
2.0E-06	1.0E-03	2.7E-09	1.6E-01	5.5E-02	2.3E-11	1.3E+00	6.2E-06	1.0E-03	8.4E-09	1.6E-01	5.5E-02	7.3E-11	1.3E+00	1.3E-05
2.0E-06	1.0E-03	2.0E-09	1.6E-01	5.5E-02	1.8E-11	9.9E-01	6.2E-06	1.0E-03	6.5E-09	1.6E-01	5.5E-02	5.6E-11	9.9E-01	1.3E-05
2.0E-06	1.0E-03	1.6E-09	1.6E-01	5.5E-02	1.4E-11	7.8E-01	6.2E-06	1.0E-03	5.1E-09	1.6E-01	5.5E-02	4.4E-11	7.8E-01	1.3E-05
2.0E-06	1.0E-03	1.5E-09	1.6E-01	5.5E-02	1.3E-11	6.1E-01	6.2E-06	1.0E-03	3.9E-09	1.6E-01	5.5E-02	3.4E-11	6.1E-01	1.3E-05
2.0E-06	1.0E-03	2.2E-09	1.6E-01	5.5E-02	1.9E-11	8.2E-01	6.2E-06	1.0E-03	5.3E-09	1.6E-01	5.5E-02	4.6E-11	8.2E-01	1.3E-05
2.0E-06	1.0E-03	3.2E-09	1.6E-01	5.5E-02	2.8E-11	1.1E+00	6.2E-06	1.0E-03	7.4E-09	1.6E-01	5.5E-02	6.4E-11	1.1E+00	1.3E-05
2.0E-06	1.0E-03	5.5E-09	1.6E-01	5.5E-02	4.7E-11	1.7E+00	6.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.7E-11	1.7E+00	1.3E-05
2.0E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-02	8.8E-11	2.7E+00	6.2E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-02	1.5E-10	2.7E+00	1.3E-05

2.0E-06	1.0E-03	9.2E-09	1.6E-01	5.5E-02	7.9E-11	4.2E+00	6.2E-06	1.0E-03	2.7E-08	1.6E-01	5.5E-02	2.3E-10	4.2E+00	1.3E-05
2.0E-06	1.0E-03	5.9E-09	1.6E-01	5.5E-02	5.1E-11	2.8E+00	6.2E-06	1.0E-03	1.8E-08	1.6E-01	5.5E-02	1.6E-10	2.8E+00	1.3E-05
2.0E-06	1.0E-03	4.0E-09	1.6E-01	5.5E-02	3.5E-11	2.0E+00	6.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10	2.0E+00	1.3E-05
2.0E-06	1.0E-03	3.0E-09	1.6E-01	5.5E-02	2.6E-11	1.5E+00	6.2E-06	1.0E-03	9.6E-09	1.6E-01	5.5E-02	8.3E-11	1.5E+00	1.3E-05
2.0E-06	1.0E-03	2.3E-09	1.6E-01	5.5E-02	1.9E-11	1.1E+00	6.2E-06	1.0E-03	7.2E-09	1.6E-01	5.5E-02	6.2E-11	1.1E+00	1.3E-05
2.0E-06	1.0E-03	1.8E-09	1.6E-01	5.5E-02	1.5E-11	8.7E-01	6.2E-06	1.0E-03	5.6E-09	1.6E-01	5.5E-02	4.8E-11	8.7E-01	1.3E-05
2.0E-06	1.0E-03	1.4E-09	1.6E-01	5.5E-02	1.2E-11	6.9E-01	6.2E-06	1.0E-03	4.5E-09	1.6E-01	5.5E-02	3.9E-11	6.9E-01	1.3E-05
2.0E-06	1.0E-03	1.4E-09	1.6E-01	5.5E-02	1.2E-11	5.4E-01	6.2E-06	1.0E-03	3.5E-09	1.6E-01	5.5E-02	3.0E-11	5.4E-01	1.3E-05
2.0E-06	1.0E-03	1.9E-09	1.6E-01	5.5E-02	1.6E-11	7.0E-01	6.2E-06	1.0E-03	4.5E-09	1.6E-01	5.5E-02	3.9E-11	7.0E-01	1.3E-05
2.0E-06	1.0E-03	2.7E-09	1.6E-01	5.5E-02	2.3E-11	9.4E-01	6.2E-06	1.0E-03	6.1E-09	1.6E-01	5.5E-02	5.2E-11	9.4E-01	1.3E-05
2.0E-06	1.0E-03	4.0E-09	1.6E-01	5.5E-02	3.5E-11	1.3E+00	6.2E-06	1.0E-03	8.5E-09	1.6E-01	5.5E-02	7.3E-11	1.3E+00	1.3E-05
2.0E-06	1.0E-03	6.4E-09	1.6E-01	5.5E-02	5.5E-11	1.9E+00	6.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.0E-10	1.9E+00	1.3E-05
2.0E-06	1.0E-03	6.9E-09	1.6E-01	5.5E-02	5.9E-11	3.0E+00	6.2E-06	1.0E-03	1.9E-08	1.6E-01	5.5E-02	1.7E-10	3.0E+00	1.3E-05
2.0E-06	1.0E-03	4.7E-09	1.6E-01	5.5E-02	4.0E-11	2.2E+00	6.2E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10	2.2E+00	1.3E-05
2.0E-06	1.0E-03	3.3E-09	1.6E-01	5.5E-02	2.8E-11	1.6E+00	6.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.0E-11	1.6E+00	1.3E-05
2.0E-06	1.0E-03	2.6E-09	1.6E-01	5.5E-02	2.2E-11	1.3E+00	6.2E-06	1.0E-03	8.3E-09	1.6E-01	5.5E-02	7.1E-11	1.3E+00	1.3E-05
2.0E-06	1.0E-03	2.0E-09	1.6E-01	5.5E-02	1.7E-11	9.8E-01	6.2E-06	1.0E-03	6.4E-09	1.6E-01	5.5E-02	5.5E-11	9.8E-01	1.3E-05
2.0E-06	1.0E-03	1.6E-09	1.6E-01	5.5E-02	1.3E-11	7.8E-01	6.2E-06	1.0E-03	5.0E-09	1.6E-01	5.5E-02	4.3E-11	7.8E-01	1.3E-05
2.0E-06	1.0E-03	1.3E-09	1.6E-01	5.5E-02	1.1E-11	6.3E-01	6.2E-06	1.0E-03	4.1E-09	1.6E-01	5.5E-02	3.5E-11	6.3E-01	1.3E-05
2.0E-06	1.0E-03	1.2E-09	1.6E-01	5.5E-02	1.0E-11	4.7E-01	6.2E-06	1.0E-03	3.1E-09	1.6E-01	5.5E-02	2.6E-11	4.7E-01	1.3E-05
2.0E-06	1.0E-03	1.6E-09	1.6E-01	5.5E-02	1.3E-11	5.9E-01	6.2E-06	1.0E-03	3.8E-09	1.6E-01	5.5E-02	3.3E-11	5.9E-01	1.3E-05
2.0E-06	1.0E-03	2.1E-09	1.6E-01	5.5E-02	1.8E-11	7.6E-01	6.2E-06	1.0E-03	4.9E-09	1.6E-01	5.5E-02	4.2E-11	7.6E-01	1.3E-05
2.0E-06	1.0E-03	2.9E-09	1.6E-01	5.5E-02	2.5E-11	1.0E+00	6.2E-06	1.0E-03	6.5E-09	1.6E-01	5.5E-02	5.6E-11	1.0E+00	1.3E-05
2.0E-06	1.0E-03	4.3E-09	1.6E-01	5.5E-02	3.7E-11	1.4E+00	6.2E-06	1.0E-03	8.8E-09	1.6E-01	5.5E-02	7.6E-11	1.4E+00	1.3E-05
2.0E-06	1.0E-03	6.0E-09	1.6E-01	5.5E-02	5.2E-11	1.8E+00	6.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.0E-10	1.8E+00	1.3E-05
2.0E-06	1.0E-03	7.4E-09	1.6E-01	5.5E-02	6.4E-11	2.2E+00	6.2E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-02	1.3E-10	2.2E+00	1.3E-05
2.0E-06	1.0E-03	7.5E-09	1.6E-01	5.5E-02	6.5E-11	2.5E+00	6.2E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-02	1.4E-10	2.5E+00	1.3E-05
2.0E-06	1.0E-03	6.5E-09	1.6E-01	5.5E-02	5.6E-11	2.4E+00	6.2E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-02	1.3E-10	2.4E+00	1.3E-05
2.0E-06	1.0E-03	5.1E-09	1.6E-01	5.5E-02	4.4E-11	2.1E+00	6.2E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10	2.1E+00	1.3E-05
2.0E-06	1.0E-03	3.8E-09	1.6E-01	5.5E-02	3.3E-11	1.7E+00	6.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.7E-11	1.7E+00	1.3E-05
2.0E-06	1.0E-03	2.8E-09	1.6E-01	5.5E-02	2.4E-11	1.3E+00	6.2E-06	1.0E-03	8.6E-09	1.6E-01	5.5E-02	7.4E-11	1.3E+00	1.3E-05
2.0E-06	1.0E-03	2.1E-09	1.6E-01	5.5E-02	1.8E-11	1.1E+00	6.2E-06	1.0E-03	6.8E-09	1.6E-01	5.5E-02	5.9E-11	1.1E+00	1.3E-05
2.0E-06	1.0E-03	1.8E-09	1.6E-01	5.5E-02	1.5E-11	8.7E-01	6.2E-06	1.0E-03	5.7E-09	1.6E-01	5.5E-02	4.9E-11	8.7E-01	1.3E-05
2.0E-06	1.0E-03	1.4E-09	1.6E-01	5.5E-02	1.2E-11	7.0E-01	6.2E-06	1.0E-03	4.6E-09	1.6E-01	5.5E-02	3.9E-11	7.0E-01	1.3E-05
2.0E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-02	9.9E-12	5.7E-01	6.2E-06	1.0E-03	3.7E-09	1.6E-01	5.5E-02	3.2E-11	5.7E-01	1.3E-05
2.0E-06	1.0E-03	1.0E-09	1.6E-01	5.5E-02	9.0E-12	4.1E-01	6.2E-06	1.0E-03	2.7E-09	1.6E-01	5.5E-02	2.3E-11	4.1E-01	1.3E-05
2.0E-06	1.0E-03	1.3E-09	1.6E-01	5.5E-02	1.1E-11	5.0E-01	6.2E-06	1.0E-03	3.3E-09	1.6E-01	5.5E-02	2.8E-11	5.0E-01	1.3E-05
2.0E-06	1.0E-03	1.7E-09	1.6E-01	5.5E-02	1.4E-11	6.2E-01	6.2E-06	1.0E-03	4.0E-09	1.6E-01	5.5E-02	3.5E-11	6.2E-01	1.3E-05
2.0E-06	1.0E-03	2.2E-09	1.6E-01	5.5E-02	1.9E-11	8.0E-01	6.2E-06	1.0E-03	5.2E-09	1.6E-01	5.5E-02	4.4E-11	8.0E-01	1.3E-05
2.0E-06	1.0E-03	3.0E-09	1.6E-01	5.5E-02	2.6E-11	1.0E+00	6.2E-06	1.0E-03	6.7E-09	1.6E-01	5.5E-02	5.7E-11	1.0E+00	1.3E-05
2.0E-06	1.0E-03	3.9E-09	1.6E-01	5.5E-02	3.3E-11	1.3E+00	6.2E-06	1.0E-03	8.3E-09	1.6E-01	5.5E-02	7.2E-11	1.3E+00	1.3E-05
2.0E-06	1.0E-03	4.5E-09	1.6E-01	5.5E-02	3.9E-11	1.5E+00	6.2E-06	1.0E-03	9.9E-09	1.6E-01	5.5E-02	8.5E-11	1.5E+00	1.3E-05
2.0E-06	1.0E-03	4.8E-09	1.6E-01	5.5E-02	4.1E-11	1.7E+00	6.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.3E-11	1.7E+00	1.3E-05
2.0E-06	1.0E-03	4.4E-09	1.6E-01	5.5E-02	3.8E-11	1.7E+00	6.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.4E-11	1.7E+00	1.3E-05
2.0E-06	1.0E-03	3.8E-09	1.6E-01	5.5E-02	3.2E-11	1.6E+00	6.2E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-02	8.7E-11	1.6E+00	1.3E-05
2.0E-06	1.0E-03	3.1E-09	1.6E-01	5.5E-02	2.6E-11	1.4E+00	6.2E-06	1.0E-03	8.8E-09	1.6E-01	5.5E-02	7.6E-11	1.4E+00	1.3E-05
2.0E-06	1.0E-03	2.4E-09	1.6E-01	5.5E-02	2.1E-11	1.1E+00	6.2E-06	1.0E-03	7.4E-09	1.6E-01	5.5E-02	6.3E-11	1.1E+00	1.3E-05
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2.0E-06	1.0E-03	1.6E-09	1.6E-01	5.5E-02	1.3E-11	7.7E-01	6.2E-06	1.0E-03	5.0E-09	1.6E-01	5.5E-02	4.3E-11	7.7E-01	1.3E-05

2.0E-06	1.0E-03	1.3E-09	1.6E-01	5.5E-02	1.1E-11	6.4E-01	6.2E-06	1.0E-03	4.1E-09	1.6E-01	5.5E-02	3.6E-11	6.4E-01	1.3E-05
2.0E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-02	9.1E-12	5.3E-01	6.2E-06	1.0E-03	3.4E-09	1.6E-01	5.5E-02	3.0E-11	5.3E-01	1.3E-05
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2.0E-06	1.0E-03	3.1E-09	1.6E-01	5.5E-02	2.7E-11	1.1E+00	6.2E-06	1.0E-03	7.1E-09	1.6E-01	5.5E-02	6.2E-11	1.1E+00	1.3E-05
2.0E-06	1.0E-03	3.3E-09	1.6E-01	5.5E-02	2.8E-11	1.2E+00	6.2E-06	1.0E-03	7.8E-09	1.6E-01	5.5E-02	6.7E-11	1.2E+00	1.3E-05
2.0E-06	1.0E-03	3.2E-09	1.6E-01	5.5E-02	2.7E-11	1.2E+00	6.2E-06	1.0E-03	7.9E-09	1.6E-01	5.5E-02	6.8E-11	1.2E+00	1.3E-05
2.0E-06	1.0E-03	2.8E-09	1.6E-01	5.5E-02	2.4E-11	1.2E+00	6.2E-06	1.0E-03	7.5E-09	1.6E-01	5.5E-02	6.5E-11	1.2E+00	1.3E-05
2.0E-06	1.0E-03	2.4E-09	1.6E-01	5.5E-02	2.0E-11	1.0E+00	6.2E-06	1.0E-03	6.6E-09	1.6E-01	5.5E-02	5.7E-11	1.0E+00	1.3E-05
2.0E-06	1.0E-03	2.0E-09	1.6E-01	5.5E-02	1.7E-11	9.0E-01	6.2E-06	1.0E-03	5.9E-09	1.6E-01	5.5E-02	5.1E-11	9.0E-01	1.3E-05
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2.0E-06	1.0E-03	1.2E-09	1.6E-01	5.5E-02	1.0E-11	5.7E-01	6.2E-06	1.0E-03	3.7E-09	1.6E-01	5.5E-02	3.2E-11	5.7E-01	1.3E-05
2.0E-06	1.0E-03	9.8E-10	1.6E-01	5.5E-02	8.5E-12	4.9E-01	6.2E-06	1.0E-03	3.2E-09	1.6E-01	5.5E-02	2.7E-11	4.9E-01	1.3E-05
2.0E-06	1.0E-03	7.9E-10	1.6E-01	5.5E-02	6.8E-12	3.2E-01	6.2E-06	1.0E-03	2.1E-09	1.6E-01	5.5E-02	1.8E-11	3.2E-01	1.3E-05
2.0E-06	1.0E-03	9.4E-10	1.6E-01	5.5E-02	8.1E-12	3.7E-01	6.2E-06	1.0E-03	2.4E-09	1.6E-01	5.5E-02	2.1E-11	3.7E-01	1.3E-05
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2.0E-06	1.0E-03	1.7E-09	1.6E-01	5.5E-02	1.5E-11	6.4E-01	6.2E-06	1.0E-03	4.1E-09	1.6E-01	5.5E-02	3.6E-11	6.4E-01	1.3E-05
2.0E-06	1.0E-03	2.0E-09	1.6E-01	5.5E-02	1.7E-11	7.4E-01	6.2E-06	1.0E-03	4.8E-09	1.6E-01	5.5E-02	4.1E-11	7.4E-01	1.3E-05
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2.0E-06	1.0E-03	2.2E-09	1.6E-01	5.5E-02	1.9E-11	8.9E-01	6.2E-06	1.0E-03	5.8E-09	1.6E-01	5.5E-02	5.0E-11	8.9E-01	1.3E-05
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2.0E-06	1.0E-03	1.8E-09	1.6E-01	5.5E-02	1.5E-11	7.2E-01	6.2E-06	1.0E-03	4.7E-09	1.6E-01	5.5E-02	4.0E-11	7.2E-01	1.3E-05
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2.0E-06	1.0E-03	1.3E-09	1.6E-01	5.5E-02	1.1E-11	5.8E-01	6.2E-06	1.0E-03	3.8E-09	1.6E-01	5.5E-02	3.3E-11	5.8E-01	1.3E-05
2.0E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-02	9.6E-12	5.2E-01	6.2E-06	1.0E-03	3.4E-09	1.6E-01	5.5E-02	2.9E-11	5.2E-01	1.3E-05
2.0E-06	1.0E-03	9.0E-10	1.6E-01	5.5E-02	7.8E-12	4.3E-01	6.2E-06	1.0E-03	2.8E-09	1.6E-01	5.5E-02	2.4E-11	4.3E-01	1.3E-05

2.0E-06	1.0E-03	7.8E-10	1.6E-01	5.5E-02	6.8E-12	3.8E-01	6.2E-06	1.0E-03	2.5E-09	1.6E-01	5.5E-02	2.1E-11	3.8E-01	1.3E-05
2.0E-06	1.0E-03	6.0E-10	1.6E-01	5.5E-02	5.2E-12	2.5E-01	6.2E-06	1.0E-03	1.6E-09	1.6E-01	5.5E-02	1.4E-11	2.5E-01	1.3E-05
2.0E-06	1.0E-03	7.0E-10	1.6E-01	5.5E-02	6.0E-12	2.9E-01	6.2E-06	1.0E-03	1.9E-09	1.6E-01	5.5E-02	1.6E-11	2.9E-01	1.3E-05
2.0E-06	1.0E-03	8.2E-10	1.6E-01	5.5E-02	7.0E-12	3.3E-01	6.2E-06	1.0E-03	2.1E-09	1.6E-01	5.5E-02	1.8E-11	3.3E-01	1.3E-05
2.0E-06	1.0E-03	9.5E-10	1.6E-01	5.5E-02	8.2E-12	3.8E-01	6.2E-06	1.0E-03	2.5E-09	1.6E-01	5.5E-02	2.1E-11	3.8E-01	1.3E-05
2.0E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-02	9.4E-12	4.3E-01	6.2E-06	1.0E-03	2.8E-09	1.6E-01	5.5E-02	2.4E-11	4.3E-01	1.3E-05
2.0E-06	1.0E-03	1.2E-09	1.6E-01	5.5E-02	1.1E-11	4.9E-01	6.2E-06	1.0E-03	3.1E-09	1.6E-01	5.5E-02	2.7E-11	4.9E-01	1.3E-05
2.0E-06	1.0E-03	1.3E-09	1.6E-01	5.5E-02	1.2E-11	5.3E-01	6.2E-06	1.0E-03	3.4E-09	1.6E-01	5.5E-02	3.0E-11	5.3E-01	1.3E-05
2.0E-06	1.0E-03	1.4E-09	1.6E-01	5.5E-02	1.2E-11	5.6E-01	6.2E-06	1.0E-03	3.7E-09	1.6E-01	5.5E-02	3.2E-11	5.6E-01	1.3E-05
2.0E-06	1.0E-03	1.4E-09	1.6E-01	5.5E-02	1.2E-11	5.8E-01	6.2E-06	1.0E-03	3.8E-09	1.6E-01	5.5E-02	3.2E-11	5.8E-01	1.3E-05
2.0E-06	1.0E-03	1.4E-09	1.6E-01	5.5E-02	1.2E-11	5.8E-01	6.2E-06	1.0E-03	3.8E-09	1.6E-01	5.5E-02	3.2E-11	5.8E-01	1.3E-05
2.0E-06	1.0E-03	1.3E-09	1.6E-01	5.5E-02	1.1E-11	5.6E-01	6.2E-06	1.0E-03	3.6E-09	1.6E-01	5.5E-02	3.1E-11	5.6E-01	1.3E-05
2.0E-06	1.0E-03	1.2E-09	1.6E-01	5.5E-02	1.0E-11	5.3E-01	6.2E-06	1.0E-03	3.5E-09	1.6E-01	5.5E-02	3.0E-11	5.3E-01	1.3E-05
2.0E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-02	9.5E-12	5.0E-01	6.2E-06	1.0E-03	3.2E-09	1.6E-01	5.5E-02	2.8E-11	5.0E-01	1.3E-05
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2.0E-06	1.0E-03	8.6E-10	1.6E-01	5.5E-02	7.4E-12	4.0E-01	6.2E-06	1.0E-03	2.6E-09	1.6E-01	5.5E-02	2.3E-11	4.0E-01	1.3E-05
2.0E-06	1.0E-03	7.1E-10	1.6E-01	5.5E-02	6.2E-12	3.4E-01	6.2E-06	1.0E-03	2.2E-09	1.6E-01	5.5E-02	1.9E-11	3.4E-01	1.3E-05
2.0E-06	1.0E-03	5.3E-10	1.6E-01	5.5E-02	4.6E-12	2.2E-01	6.2E-06	1.0E-03	1.4E-09	1.6E-01	5.5E-02	1.2E-11	2.2E-01	1.3E-05
2.0E-06	1.0E-03	6.1E-10	1.6E-01	5.5E-02	5.2E-12	2.5E-01	6.2E-06	1.0E-03	1.6E-09	1.6E-01	5.5E-02	1.4E-11	2.5E-01	1.3E-05
2.0E-06	1.0E-03	7.0E-10	1.6E-01	5.5E-02	6.0E-12	2.9E-01	6.2E-06	1.0E-03	1.9E-09	1.6E-01	5.5E-02	1.6E-11	2.9E-01	1.3E-05
2.0E-06	1.0E-03	8.0E-10	1.6E-01	5.5E-02	6.9E-12	3.3E-01	6.2E-06	1.0E-03	2.1E-09	1.6E-01	5.5E-02	1.8E-11	3.3E-01	1.3E-05
2.0E-06	1.0E-03	9.0E-10	1.6E-01	5.5E-02	7.8E-12	3.7E-01	6.2E-06	1.0E-03	2.4E-09	1.6E-01	5.5E-02	2.0E-11	3.7E-01	1.3E-05
2.0E-06	1.0E-03	1.0E-09	1.6E-01	5.5E-02	8.6E-12	4.0E-01	6.2E-06	1.0E-03	2.6E-09	1.6E-01	5.5E-02	2.3E-11	4.0E-01	1.3E-05
2.0E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-02	9.3E-12	4.4E-01	6.2E-06	1.0E-03	2.8E-09	1.6E-01	5.5E-02	2.4E-11	4.4E-01	1.3E-05
2.0E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-02	9.7E-12	4.6E-01	6.2E-06	1.0E-03	3.0E-09	1.6E-01	5.5E-02	2.6E-11	4.6E-01	1.3E-05
2.0E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-02	9.9E-12	4.8E-01	6.2E-06	1.0E-03	3.1E-09	1.6E-01	5.5E-02	2.7E-11	4.8E-01	1.3E-05
2.0E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-02	9.7E-12	4.8E-01	6.2E-06	1.0E-03	3.1E-09	1.6E-01	5.5E-02	2.7E-11	4.8E-01	1.3E-05
2.0E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-02	9.4E-12	4.7E-01	6.2E-06	1.0E-03	3.0E-09	1.6E-01	5.5E-02	2.6E-11	4.7E-01	1.3E-05
2.0E-06	1.0E-03	1.0E-09	1.6E-01	5.5E-02	8.8E-12	4.5E-01	6.2E-06	1.0E-03	2.9E-09	1.6E-01	5.5E-02	2.5E-11	4.5E-01	1.3E-05
2.0E-06	1.0E-03	9.5E-10	1.6E-01	5.5E-02	8.2E-12	4.3E-01	6.2E-06	1.0E-03	2.8E-09	1.6E-01	5.5E-02	2.4E-11	4.3E-01	1.3E-05
2.0E-06	1.0E-03	8.7E-10	1.6E-01	5.5E-02	7.5E-12	4.0E-01	6.2E-06	1.0E-03	2.6E-09	1.6E-01	5.5E-02	2.2E-11	4.0E-01	1.3E-05
2.0E-06	1.0E-03	7.8E-10	1.6E-01	5.5E-02	6.7E-12	3.6E-01	6.2E-06	1.0E-03	2.3E-09	1.6E-01	5.5E-02	2.0E-11	3.6E-01	1.3E-05
2.0E-06	1.0E-03	6.6E-10	1.6E-01	5.5E-02	5.7E-12	3.1E-01	6.2E-06	1.0E-03	2.0E-09	1.6E-01	5.5E-02	1.7E-11	3.1E-01	1.3E-05
2.0E-06	1.0E-03	2.4E-08	1.6E-01	5.5E-02	2.1E-10	1.4E+01	6.2E-06	1.0E-03	9.2E-08	1.6E-01	5.5E-02	7.9E-10	1.4E+01	1.3E-05
2.0E-06	1.0E-03	2.8E-08	1.6E-01	5.5E-02	2.5E-10	1.8E+01	6.2E-06	1.0E-03	1.2E-07	1.6E-01	5.5E-02	1.0E-09	1.8E+01	1.3E-05
2.0E-06	1.0E-03	3.3E-08	1.6E-01	5.5E-02	2.9E-10	2.4E+01	6.2E-06	1.0E-03	1.6E-07	1.6E-01	5.5E-02	1.3E-09	2.4E+01	1.3E-05
2.0E-06	1.0E-03	3.9E-08	1.6E-01	5.5E-02	3.3E-10	3.2E+01	6.2E-06	1.0E-03	2.1E-07	1.6E-01	5.5E-02	1.8E-09	3.2E+01	1.3E-05
2.0E-06	1.0E-03	4.4E-08	1.6E-01	5.5E-02	3.8E-10	4.2E+01	6.2E-06	1.0E-03	2.8E-07	1.6E-01	5.5E-02	2.4E-09	4.2E+01	1.3E-05
2.0E-06	1.0E-03	4.8E-08	1.6E-01	5.5E-02	4.2E-10	5.4E+01	6.2E-06	1.0E-03	3.5E-07	1.6E-01	5.5E-02	3.0E-09	5.4E+01	1.3E-05
2.0E-06	1.0E-03	5.1E-08	1.6E-01	5.5E-02	4.4E-10	6.3E+01	6.2E-06	1.0E-03	4.1E-07	1.6E-01	5.5E-02	3.5E-09	6.3E+01	1.3E-05
2.0E-06	1.0E-03	5.0E-08	1.6E-01	5.5E-02	4.3E-10	6.8E+01	6.2E-06	1.0E-03	4.4E-07	1.6E-01	5.5E-02	3.8E-09	6.8E+01	1.3E-05
2.0E-06	1.0E-03	4.8E-08	1.6E-01	5.5E-02	4.1E-10	7.0E+01	6.2E-06	1.0E-03	4.5E-07	1.6E-01	5.5E-02	3.9E-09	7.0E+01	1.3E-05
2.0E-06	1.0E-03	4.5E-08	1.6E-01	5.5E-02	3.9E-10	6.8E+01	6.2E-06	1.0E-03	4.4E-07	1.6E-01	5.5E-02	3.8E-09	6.8E+01	1.3E-05
2.0E-06	1.0E-03	4.1E-08	1.6E-01	5.5E-02	3.5E-10	6.1E+01	6.2E-06	1.0E-03	3.9E-07	1.6E-01	5.5E-02	3.4E-09	6.1E+01	1.3E-05
2.0E-06	1.0E-03	3.7E-08	1.6E-01	5.5E-02	3.2E-10	5.1E+01	6.2E-06	1.0E-03	3.3E-07	1.6E-01	5.5E-02	2.9E-09	5.1E+01	1.3E-05
2.0E-06	1.0E-03	3.4E-08	1.6E-01	5.5E-02	2.9E-10	4.2E+01	6.2E-06	1.0E-03	2.7E-07	1.6E-01	5.5E-02	2.4E-09	4.2E+01	1.3E-05
2.0E-06	1.0E-03	3.1E-08	1.6E-01	5.5E-02	2.6E-10	3.5E+01	6.2E-06	1.0E-03	2.2E-07	1.6E-01	5.5E-02	1.9E-09	3.5E+01	1.3E-05
2.0E-06	1.0E-03	2.8E-08	1.6E-01	5.5E-02	2.4E-10	2.9E+01	6.2E-06	1.0E-03	1.9E-07	1.6E-01	5.5E-02	1.6E-09	2.9E+01	1.3E-05
2.0E-06	1.0E-03	2.5E-08	1.6E-01	5.5E-02	2.2E-10	2.4E+01	6.2E-06	1.0E-03	1.5E-07	1.6E-01	5.5E-02	1.3E-09	2.4E+01	1.3E-05

2.0E-06	1.0E-03	2.3E-08	1.6E-01	5.5E-02	1.9E-10	2.0E+01	6.2E-06	1.0E-03	1.3E-07	1.6E-01	5.5E-02	1.1E-09	2.0E+01	1.3E-05
2.0E-06	1.0E-03	2.0E-08	1.6E-01	5.5E-02	1.8E-10	1.7E+01	6.2E-06	1.0E-03	1.1E-07	1.6E-01	5.5E-02	9.5E-10	1.7E+01	1.3E-05
2.0E-06	1.0E-03	1.8E-08	1.6E-01	5.5E-02	1.6E-10	1.5E+01	6.2E-06	1.0E-03	9.5E-08	1.6E-01	5.5E-02	8.1E-10	1.5E+01	1.3E-05
2.0E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-02	1.4E-10	1.3E+01	6.2E-06	1.0E-03	8.2E-08	1.6E-01	5.5E-02	7.0E-10	1.3E+01	1.3E-05
2.0E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-02	1.3E-10	1.1E+01	6.2E-06	1.0E-03	7.1E-08	1.6E-01	5.5E-02	6.1E-10	1.1E+01	1.3E-05
2.0E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10	9.6E+00	6.2E-06	1.0E-03	6.2E-08	1.6E-01	5.5E-02	5.3E-10	9.6E+00	1.3E-05
2.0E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10	8.5E+00	6.2E-06	1.0E-03	5.5E-08	1.6E-01	5.5E-02	4.7E-10	8.5E+00	1.3E-05
2.0E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	9.9E-11	7.5E+00	6.2E-06	1.0E-03	4.9E-08	1.6E-01	5.5E-02	4.2E-10	7.5E+00	1.3E-05
2.0E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.1E-11	6.7E+00	6.2E-06	1.0E-03	4.4E-08	1.6E-01	5.5E-02	3.7E-10	6.7E+00	1.3E-05
2.0E-06	1.0E-03	9.7E-09	1.6E-01	5.5E-02	8.4E-11	6.0E+00	6.2E-06	1.0E-03	3.9E-08	1.6E-01	5.5E-02	3.4E-10	6.0E+00	1.3E-05
2.0E-06	1.0E-03	3.0E-08	1.6E-01	5.5E-02	2.5E-10	1.6E+01	6.2E-06	1.0E-03	1.1E-07	1.6E-01	5.5E-02	9.0E-10	1.6E+01	1.3E-05
2.0E-06	1.0E-03	3.6E-08	1.6E-01	5.5E-02	3.1E-10	2.2E+01	6.2E-06	1.0E-03	1.4E-07	1.6E-01	5.5E-02	1.2E-09	2.2E+01	1.3E-05
2.0E-06	1.0E-03	4.4E-08	1.6E-01	5.5E-02	3.8E-10	3.0E+01	6.2E-06	1.0E-03	2.0E-07	1.6E-01	5.5E-02	1.7E-09	3.0E+01	1.3E-05
2.0E-06	1.0E-03	5.4E-08	1.6E-01	5.5E-02	4.6E-10	4.3E+01	6.2E-06	1.0E-03	2.8E-07	1.6E-01	5.5E-02	2.4E-09	4.3E+01	1.3E-05
2.0E-06	1.0E-03	6.3E-08	1.6E-01	5.5E-02	5.4E-10	1.5E+01	6.2E-06	1.0E-03	9.9E-08	1.6E-01	5.5E-02	8.5E-10	1.5E+01	1.3E-05
2.0E-06	1.0E-03	7.0E-08	1.6E-01	5.5E-02	6.0E-10	2.2E+01	6.2E-06	1.0E-03	1.4E-07	1.6E-01	5.5E-02	1.2E-09	2.2E+01	1.3E-05
2.0E-06	1.0E-03	7.2E-08	1.6E-01	5.5E-02	6.2E-10	3.2E+01	6.2E-06	1.0E-03	2.1E-07	1.6E-01	5.5E-02	1.8E-09	3.2E+01	1.3E-05
2.0E-06	1.0E-03	6.9E-08	1.6E-01	5.5E-02	5.9E-10	4.6E+01	6.2E-06	1.0E-03	3.0E-07	1.6E-01	5.5E-02	2.6E-09	4.6E+01	1.3E-05
2.0E-06	1.0E-03	6.3E-08	1.6E-01	5.5E-02	5.4E-10	4.7E+01	6.2E-06	1.0E-03	3.1E-07	1.6E-01	5.5E-02	2.6E-09	4.7E+01	1.3E-05
2.0E-06	1.0E-03	5.6E-08	1.6E-01	5.5E-02	4.8E-10	3.5E+01	6.2E-06	1.0E-03	2.3E-07	1.6E-01	5.5E-02	2.0E-09	3.5E+01	1.3E-05
2.0E-06	1.0E-03	4.9E-08	1.6E-01	5.5E-02	4.3E-10	2.6E+01	6.2E-06	1.0E-03	1.7E-07	1.6E-01	5.5E-02	1.5E-09	2.6E+01	1.3E-05
2.0E-06	1.0E-03	4.4E-08	1.6E-01	5.5E-02	3.8E-10	6.8E+01	6.2E-06	1.0E-03	4.4E-07	1.6E-01	5.5E-02	3.8E-09	6.8E+01	1.3E-05
2.0E-06	1.0E-03	3.9E-08	1.6E-01	5.5E-02	3.3E-10	5.2E+01	6.2E-06	1.0E-03	3.4E-07	1.6E-01	5.5E-02	2.9E-09	5.2E+01	1.3E-05
2.0E-06	1.0E-03	3.4E-08	1.6E-01	5.5E-02	2.9E-10	4.0E+01	6.2E-06	1.0E-03	2.6E-07	1.6E-01	5.5E-02	2.2E-09	4.0E+01	1.3E-05
2.0E-06	1.0E-03	3.0E-08	1.6E-01	5.5E-02	2.6E-10	3.2E+01	6.2E-06	1.0E-03	2.1E-07	1.6E-01	5.5E-02	1.8E-09	3.2E+01	1.3E-05
2.0E-06	1.0E-03	2.7E-08	1.6E-01	5.5E-02	2.3E-10	2.6E+01	6.2E-06	1.0E-03	1.7E-07	1.6E-01	5.5E-02	1.4E-09	2.6E+01	1.3E-05
2.0E-06	1.0E-03	2.4E-08	1.6E-01	5.5E-02	2.1E-10	2.1E+01	6.2E-06	1.0E-03	1.4E-07	1.6E-01	5.5E-02	1.2E-09	2.1E+01	1.3E-05
2.0E-06	1.0E-03	2.2E-08	1.6E-01	5.5E-02	1.9E-10	1.8E+01	6.2E-06	1.0E-03	1.1E-07	1.6E-01	5.5E-02	9.9E-10	1.8E+01	1.3E-05
2.0E-06	1.0E-03	1.9E-08	1.6E-01	5.5E-02	1.7E-10	1.5E+01	6.2E-06	1.0E-03	9.7E-08	1.6E-01	5.5E-02	8.3E-10	1.5E+01	1.3E-05
2.0E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-02	1.5E-10	1.3E+01	6.2E-06	1.0E-03	8.3E-08	1.6E-01	5.5E-02	7.1E-10	1.3E+01	1.3E-05
2.0E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-02	1.3E-10	1.1E+01	6.2E-06	1.0E-03	7.1E-08	1.6E-01	5.5E-02	6.1E-10	1.1E+01	1.3E-05
2.0E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10	9.6E+00	6.2E-06	1.0E-03	6.2E-08	1.6E-01	5.5E-02	5.3E-10	9.6E+00	1.3E-05
2.0E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10	8.4E+00	6.2E-06	1.0E-03	5.5E-08	1.6E-01	5.5E-02	4.7E-10	8.4E+00	1.3E-05
2.0E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.0E-10	7.4E+00	6.2E-06	1.0E-03	4.8E-08	1.6E-01	5.5E-02	4.2E-10	7.4E+00	1.3E-05
2.0E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.2E-11	6.6E+00	6.2E-06	1.0E-03	4.3E-08	1.6E-01	5.5E-02	3.7E-10	6.6E+00	1.3E-05
2.0E-06	1.0E-03	9.8E-09	1.6E-01	5.5E-02	8.4E-11	5.9E+00	6.2E-06	1.0E-03	3.8E-08	1.6E-01	5.5E-02	3.3E-10	5.9E+00	1.3E-05
2.0E-06	1.0E-03	3.6E-08	1.6E-01	5.5E-02	3.1E-10	1.8E+01	6.2E-06	1.0E-03	1.2E-07	1.6E-01	5.5E-02	1.0E-09	1.8E+01	1.3E-05
2.0E-06	1.0E-03	4.7E-08	1.6E-01	5.5E-02	4.0E-10	2.5E+01	6.2E-06	1.0E-03	1.6E-07	1.6E-01	5.5E-02	1.4E-09	2.5E+01	1.3E-05
2.0E-06	1.0E-03	6.0E-08	1.6E-01	5.5E-02	5.2E-10	3.7E+01	6.2E-06	1.0E-03	2.4E-07	1.6E-01	5.5E-02	2.0E-09	3.7E+01	1.3E-05
2.0E-06	1.0E-03	7.8E-08	1.6E-01	5.5E-02	6.7E-10	5.7E+01	6.2E-06	1.0E-03	3.7E-07	1.6E-01	5.5E-02	3.2E-09	5.7E+01	1.3E-05
2.0E-06	1.0E-03	9.8E-08	1.6E-01	5.5E-02	8.4E-10	1.8E+01	6.2E-06	1.0E-03	1.2E-07	1.6E-01	5.5E-02	1.0E-09	1.8E+01	1.3E-05
2.0E-06	1.0E-03	1.1E-07	1.6E-01	5.5E-02	9.5E-10	2.7E+01	6.2E-06	1.0E-03	1.8E-07	1.6E-01	5.5E-02	1.5E-09	2.7E+01	1.3E-05
2.0E-06	1.0E-03	1.1E-07	1.6E-01	5.5E-02	9.4E-10	4.4E+01	6.2E-06	1.0E-03	2.8E-07	1.6E-01	5.5E-02	2.4E-09	4.4E+01	1.3E-05
2.0E-06	1.0E-03	9.6E-08	1.6E-01	5.5E-02	8.3E-10	0.0E+00	6.2E-06	1.0E-03	0.0E+00	1.6E-01	5.5E-02	0.0E+00	0.0E+00	1.3E-05
2.0E-06	1.0E-03	8.2E-08	1.6E-01	5.5E-02	7.1E-10	0.0E+00	6.2E-06	1.0E-03	0.0E+00	1.6E-01	5.5E-02	0.0E+00	0.0E+00	1.3E-05
2.0E-06	1.0E-03	6.9E-08	1.6E-01	5.5E-02	6.0E-10	4.3E+01	6.2E-06	1.0E-03	2.8E-07	1.6E-01	5.5E-02	2.4E-09	4.3E+01	1.3E-05
2.0E-06	1.0E-03	5.9E-08	1.6E-01	5.5E-02	5.1E-10	3.0E+01	6.2E-06	1.0E-03	2.0E-07	1.6E-01	5.5E-02	1.7E-09	3.0E+01	1.3E-05
2.0E-06	1.0E-03	5.0E-08	1.6E-01	5.5E-02	4.3E-10	2.2E+01	6.2E-06	1.0E-03	1.5E-07	1.6E-01	5.5E-02	1.3E-09	2.2E+01	1.3E-05
2.0E-06	1.0E-03	4.3E-08	1.6E-01	5.5E-02	3.7E-10	6.1E+01	6.2E-06	1.0E-03	4.0E-07	1.6E-01	5.5E-02	3.4E-09	6.1E+01	1.3E-05

2.0E-06	1.0E-03	3.8E-08	1.6E-01	5.5E-02	3.2E-10	4.4E+01	6.2E-06	1.0E-03	2.9E-07	1.6E-01	5.5E-02	2.5E-09	4.4E+01	1.3E-05
2.0E-06	1.0E-03	3.3E-08	1.6E-01	5.5E-02	2.8E-10	3.4E+01	6.2E-06	1.0E-03	2.2E-07	1.6E-01	5.5E-02	1.9E-09	3.4E+01	1.3E-05
2.0E-06	1.0E-03	2.9E-08	1.6E-01	5.5E-02	2.5E-10	2.7E+01	6.2E-06	1.0E-03	1.7E-07	1.6E-01	5.5E-02	1.5E-09	2.7E+01	1.3E-05
2.0E-06	1.0E-03	2.5E-08	1.6E-01	5.5E-02	2.2E-10	2.2E+01	6.2E-06	1.0E-03	1.4E-07	1.6E-01	5.5E-02	1.2E-09	2.2E+01	1.3E-05
2.0E-06	1.0E-03	2.2E-08	1.6E-01	5.5E-02	1.9E-10	1.8E+01	6.2E-06	1.0E-03	1.2E-07	1.6E-01	5.5E-02	1.0E-09	1.8E+01	1.3E-05
2.0E-06	1.0E-03	2.0E-08	1.6E-01	5.5E-02	1.7E-10	1.5E+01	6.2E-06	1.0E-03	9.7E-08	1.6E-01	5.5E-02	8.3E-10	1.5E+01	1.3E-05
2.0E-06	1.0E-03	1.8E-08	1.6E-01	5.5E-02	1.5E-10	1.3E+01	6.2E-06	1.0E-03	8.2E-08	1.6E-01	5.5E-02	7.1E-10	1.3E+01	1.3E-05
2.0E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-02	1.4E-10	1.1E+01	6.2E-06	1.0E-03	7.0E-08	1.6E-01	5.5E-02	6.1E-10	1.1E+01	1.3E-05
2.0E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10	9.4E+00	6.2E-06	1.0E-03	6.1E-08	1.6E-01	5.5E-02	5.3E-10	9.4E+00	1.3E-05
2.0E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10	8.2E+00	6.2E-06	1.0E-03	5.4E-08	1.6E-01	5.5E-02	4.6E-10	8.2E+00	1.3E-05
2.0E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.0E-10	7.3E+00	6.2E-06	1.0E-03	4.7E-08	1.6E-01	5.5E-02	4.1E-10	7.3E+00	1.3E-05
2.0E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.2E-11	6.5E+00	6.2E-06	1.0E-03	4.2E-08	1.6E-01	5.5E-02	3.6E-10	6.5E+00	1.3E-05
2.0E-06	1.0E-03	9.8E-09	1.6E-01	5.5E-02	8.4E-11	5.8E+00	6.2E-06	1.0E-03	3.8E-08	1.6E-01	5.5E-02	3.2E-10	5.8E+00	1.3E-05
2.0E-06	1.0E-03	4.4E-08	1.6E-01	5.5E-02	3.8E-10	1.9E+01	6.2E-06	1.0E-03	1.2E-07	1.6E-01	5.5E-02	1.1E-09	1.9E+01	1.3E-05
2.0E-06	1.0E-03	5.9E-08	1.6E-01	5.5E-02	5.1E-10	2.7E+01	6.2E-06	1.0E-03	1.8E-07	1.6E-01	5.5E-02	1.5E-09	2.7E+01	1.3E-05
2.0E-06	1.0E-03	8.2E-08	1.6E-01	5.5E-02	7.1E-10	4.1E+01	6.2E-06	1.0E-03	2.7E-07	1.6E-01	5.5E-02	2.3E-09	4.1E+01	1.3E-05
2.0E-06	1.0E-03	1.2E-07	1.6E-01	5.5E-02	1.0E-09	1.3E+01	6.2E-06	1.0E-03	8.5E-08	1.6E-01	5.5E-02	7.3E-10	1.3E+01	1.3E-05
2.0E-06	1.0E-03	4.6E-08	1.6E-01	5.5E-02	4.0E-10	2.0E+01	6.2E-06	1.0E-03	1.3E-07	1.6E-01	5.5E-02	1.1E-09	2.0E+01	1.3E-05
2.0E-06	1.0E-03	5.1E-08	1.6E-01	5.5E-02	4.4E-10	3.1E+01	6.2E-06	1.0E-03	2.0E-07	1.6E-01	5.5E-02	1.7E-09	3.1E+01	1.3E-05
2.0E-06	1.0E-03	5.3E-08	1.6E-01	5.5E-02	4.6E-10	0.0E+00	6.2E-06	1.0E-03	0.0E+00	1.6E-01	5.5E-02	0.0E+00	0.0E+00	1.3E-05
2.0E-06	1.0E-03	1.4E-07	1.6E-01	5.5E-02	1.2E-09	0.0E+00	6.2E-06	1.0E-03	0.0E+00	1.6E-01	5.5E-02	0.0E+00	0.0E+00	1.3E-05
2.0E-06	1.0E-03	1.1E-07	1.6E-01	5.5E-02	9.2E-10	0.0E+00	6.2E-06	1.0E-03	0.0E+00	1.6E-01	5.5E-02	0.0E+00	0.0E+00	1.3E-05
2.0E-06	1.0E-03	8.4E-08	1.6E-01	5.5E-02	7.2E-10	5.0E+01	6.2E-06	1.0E-03	3.2E-07	1.6E-01	5.5E-02	2.8E-09	5.0E+01	1.3E-05
2.0E-06	1.0E-03	6.8E-08	1.6E-01	5.5E-02	5.9E-10	3.2E+01	6.2E-06	1.0E-03	2.1E-07	1.6E-01	5.5E-02	1.8E-09	3.2E+01	1.3E-05
2.0E-06	1.0E-03	5.7E-08	1.6E-01	5.5E-02	4.9E-10	2.3E+01	6.2E-06	1.0E-03	1.5E-07	1.6E-01	5.5E-02	1.3E-09	2.3E+01	1.3E-05
2.0E-06	1.0E-03	4.8E-08	1.6E-01	5.5E-02	4.1E-10	6.8E+01	6.2E-06	1.0E-03	4.4E-07	1.6E-01	5.5E-02	3.8E-09	6.8E+01	1.3E-05
2.0E-06	1.0E-03	4.1E-08	1.6E-01	5.5E-02	3.5E-10	4.6E+01	6.2E-06	1.0E-03	3.0E-07	1.6E-01	5.5E-02	2.6E-09	4.6E+01	1.3E-05
2.0E-06	1.0E-03	3.5E-08	1.6E-01	5.5E-02	3.0E-10	3.4E+01	6.2E-06	1.0E-03	2.2E-07	1.6E-01	5.5E-02	1.9E-09	3.4E+01	1.3E-05
2.0E-06	1.0E-03	3.0E-08	1.6E-01	5.5E-02	2.6E-10	2.7E+01	6.2E-06	1.0E-03	1.7E-07	1.6E-01	5.5E-02	1.5E-09	2.7E+01	1.3E-05
2.0E-06	1.0E-03	2.6E-08	1.6E-01	5.5E-02	2.3E-10	2.1E+01	6.2E-06	1.0E-03	1.4E-07	1.6E-01	5.5E-02	1.2E-09	2.1E+01	1.3E-05
2.0E-06	1.0E-03	2.3E-08	1.6E-01	5.5E-02	2.0E-10	1.8E+01	6.2E-06	1.0E-03	1.1E-07	1.6E-01	5.5E-02	9.8E-10	1.8E+01	1.3E-05
2.0E-06	1.0E-03	2.0E-08	1.6E-01	5.5E-02	1.8E-10	1.5E+01	6.2E-06	1.0E-03	9.5E-08	1.6E-01	5.5E-02	8.2E-10	1.5E+01	1.3E-05
2.0E-06	1.0E-03	1.8E-08	1.6E-01	5.5E-02	1.6E-10	1.2E+01	6.2E-06	1.0E-03	8.0E-08	1.6E-01	5.5E-02	6.9E-10	1.2E+01	1.3E-05
2.0E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-02	1.4E-10	1.1E+01	6.2E-06	1.0E-03	6.9E-08	1.6E-01	5.5E-02	5.9E-10	1.1E+01	1.3E-05
2.0E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10	9.2E+00	6.2E-06	1.0E-03	5.9E-08	1.6E-01	5.5E-02	5.1E-10	9.2E+00	1.3E-05
2.0E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10	8.0E+00	6.2E-06	1.0E-03	5.2E-08	1.6E-01	5.5E-02	4.5E-10	8.0E+00	1.3E-05
2.0E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.0E-10	7.0E+00	6.2E-06	1.0E-03	4.6E-08	1.6E-01	5.5E-02	3.9E-10	7.0E+00	1.3E-05
2.0E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.2E-11	6.3E+00	6.2E-06	1.0E-03	4.1E-08	1.6E-01	5.5E-02	3.5E-10	6.3E+00	1.3E-05
2.0E-06	1.0E-03	9.7E-09	1.6E-01	5.5E-02	8.3E-11	5.6E+00	6.2E-06	1.0E-03	3.6E-08	1.6E-01	5.5E-02	3.1E-10	5.6E+00	1.3E-05
2.0E-06	1.0E-03	5.2E-08	1.6E-01	5.5E-02	4.4E-10	1.9E+01	6.2E-06	1.0E-03	1.2E-07	1.6E-01	5.5E-02	1.1E-09	1.9E+01	1.3E-05
2.0E-06	1.0E-03	7.3E-08	1.6E-01	5.5E-02	6.3E-10	2.7E+01	6.2E-06	1.0E-03	1.8E-07	1.6E-01	5.5E-02	1.5E-09	2.7E+01	1.3E-05
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2.0E-06	1.0E-03	7.0E-08	1.6E-01	5.5E-02	6.0E-10	2.0E+01	6.2E-06	1.0E-03	1.3E-07	1.6E-01	5.5E-02	1.1E-09	2.0E+01	1.3E-05
2.0E-06	1.0E-03	2.7E-08	1.6E-01	5.5E-02	2.3E-10	2.1E+01	6.2E-06	1.0E-03	1.3E-07	1.6E-01	5.5E-02	1.1E-09	2.1E+01	1.3E-05
2.0E-06	1.0E-03	2.4E-08	1.6E-01	5.5E-02	2.0E-10	1.7E+01	6.2E-06	1.0E-03	1.1E-07	1.6E-01	5.5E-02	9.4E-10	1.7E+01	1.3E-05
2.0E-06	1.0E-03	2.1E-08	1.6E-01	5.5E-02	1.8E-10	1.4E+01	6.2E-06	1.0E-03	9.1E-08	1.6E-01	5.5E-02	7.8E-10	1.4E+01	1.3E-05
2.0E-06	1.0E-03	1.8E-08	1.6E-01	5.5E-02	1.6E-10	1.2E+01	6.2E-06	1.0E-03	7.7E-08	1.6E-01	5.5E-02	6.6E-10	1.2E+01	1.3E-05
2.0E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-02	1.4E-10	1.0E+01	6.2E-06	1.0E-03	6.6E-08	1.6E-01	5.5E-02	5.7E-10	1.0E+01	1.3E-05

2.0E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10	8.8E+00	6.2E-06	1.0E-03	5.7E-08	1.6E-01	5.5E-02	4.9E-10	8.8E+00	1.3E-05
2.0E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10	7.7E+00	6.2E-06	1.0E-03	5.0E-08	1.6E-01	5.5E-02	4.3E-10	7.7E+00	1.3E-05
2.0E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.0E-10	6.8E+00	6.2E-06	1.0E-03	4.4E-08	1.6E-01	5.5E-02	3.8E-10	6.8E+00	1.3E-05
2.0E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-02	9.0E-11	6.0E+00	6.2E-06	1.0E-03	3.9E-08	1.6E-01	5.5E-02	3.4E-10	6.0E+00	1.3E-05
2.0E-06	1.0E-03	9.5E-09	1.6E-01	5.5E-02	8.2E-11	5.4E+00	6.2E-06	1.0E-03	3.5E-08	1.6E-01	5.5E-02	3.0E-10	5.4E+00	1.3E-05
2.0E-06	1.0E-03	5.9E-08	1.6E-01	5.5E-02	5.0E-10	1.8E+01	6.2E-06	1.0E-03	1.2E-07	1.6E-01	5.5E-02	1.0E-09	1.8E+01	1.3E-05
2.0E-06	1.0E-03	8.5E-08	1.6E-01	5.5E-02	7.3E-10	2.6E+01	6.2E-06	1.0E-03	1.7E-07	1.6E-01	5.5E-02	1.4E-09	2.6E+01	1.3E-05
2.0E-06	1.0E-03	1.3E-07	1.6E-01	5.5E-02	1.1E-09	3.8E+01	6.2E-06	1.0E-03	2.4E-07	1.6E-01	5.5E-02	2.1E-09	3.8E+01	1.3E-05
2.0E-06	1.0E-03	8.7E-08	1.6E-01	5.5E-02	7.5E-10	1.2E+01	6.2E-06	1.0E-03	8.1E-08	1.6E-01	5.5E-02	7.0E-10	1.2E+01	1.3E-05
2.0E-06	1.0E-03	1.2E-07	1.6E-01	5.5E-02	1.0E-09	1.8E+01	6.2E-06	1.0E-03	1.2E-07	1.6E-01	5.5E-02	1.0E-09	1.8E+01	1.3E-05
2.0E-06	1.0E-03	2.7E-08	1.6E-01	5.5E-02	2.3E-10	1.9E+01	6.2E-06	1.0E-03	1.2E-07	1.6E-01	5.5E-02	1.1E-09	1.9E+01	1.3E-05
2.0E-06	1.0E-03	2.4E-08	1.6E-01	5.5E-02	2.0E-10	1.6E+01	6.2E-06	1.0E-03	1.0E-07	1.6E-01	5.5E-02	8.8E-10	1.6E+01	1.3E-05
2.0E-06	1.0E-03	2.0E-08	1.6E-01	5.5E-02	1.8E-10	1.3E+01	6.2E-06	1.0E-03	8.5E-08	1.6E-01	5.5E-02	7.4E-10	1.3E+01	1.3E-05
2.0E-06	1.0E-03	1.8E-08	1.6E-01	5.5E-02	1.5E-10	1.1E+01	6.2E-06	1.0E-03	7.2E-08	1.6E-01	5.5E-02	6.2E-10	1.1E+01	1.3E-05
2.0E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-02	1.4E-10	9.6E+00	6.2E-06	1.0E-03	6.2E-08	1.6E-01	5.5E-02	5.4E-10	9.6E+00	1.3E-05
2.0E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10	8.3E+00	6.2E-06	1.0E-03	5.4E-08	1.6E-01	5.5E-02	4.6E-10	8.3E+00	1.3E-05
2.0E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10	7.3E+00	6.2E-06	1.0E-03	4.7E-08	1.6E-01	5.5E-02	4.1E-10	7.3E+00	1.3E-05
2.0E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.8E-11	6.4E+00	6.2E-06	1.0E-03	4.2E-08	1.6E-01	5.5E-02	3.6E-10	6.4E+00	1.3E-05
2.0E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-02	8.8E-11	5.7E+00	6.2E-06	1.0E-03	3.7E-08	1.6E-01	5.5E-02	3.2E-10	5.7E+00	1.3E-05
2.0E-06	1.0E-03	9.3E-09	1.6E-01	5.5E-02	8.0E-11	5.1E+00	6.2E-06	1.0E-03	3.3E-08	1.6E-01	5.5E-02	2.9E-10	5.1E+00	1.3E-05
2.0E-06	1.0E-03	6.4E-08	1.6E-01	5.5E-02	5.5E-10	1.6E+01	6.2E-06	1.0E-03	1.1E-07	1.6E-01	5.5E-02	9.2E-10	1.6E+01	1.3E-05
2.0E-06	1.0E-03	9.3E-08	1.6E-01	5.5E-02	8.0E-10	2.2E+01	6.2E-06	1.0E-03	1.4E-07	1.6E-01	5.5E-02	1.2E-09	2.2E+01	1.3E-05
2.0E-06	1.0E-03	1.5E-07	1.6E-01	5.5E-02	1.3E-09	3.1E+01	6.2E-06	1.0E-03	2.0E-07	1.6E-01	5.5E-02	1.7E-09	3.1E+01	1.3E-05
2.0E-06	1.0E-03	3.4E-08	1.6E-01	5.5E-02	2.9E-10	4.5E+01	6.2E-06	1.0E-03	2.9E-07	1.6E-01	5.5E-02	2.5E-09	4.5E+01	1.3E-05
2.0E-06	1.0E-03	4.2E-08	1.6E-01	5.5E-02	3.6E-10	1.5E+01	6.2E-06	1.0E-03	9.9E-08	1.6E-01	5.5E-02	8.6E-10	1.5E+01	1.3E-05
2.0E-06	1.0E-03	2.7E-08	1.6E-01	5.5E-02	2.3E-10	1.7E+01	6.2E-06	1.0E-03	1.1E-07	1.6E-01	5.5E-02	9.7E-10	1.7E+01	1.3E-05
2.0E-06	1.0E-03	2.3E-08	1.6E-01	5.5E-02	2.0E-10	1.4E+01	6.2E-06	1.0E-03	9.3E-08	1.6E-01	5.5E-02	8.0E-10	1.4E+01	1.3E-05
2.0E-06	1.0E-03	2.0E-08	1.6E-01	5.5E-02	1.7E-10	1.2E+01	6.2E-06	1.0E-03	7.9E-08	1.6E-01	5.5E-02	6.8E-10	1.2E+01	1.3E-05
2.0E-06	1.0E-03	1.8E-08	1.6E-01	5.5E-02	1.5E-10	1.0E+01	6.2E-06	1.0E-03	6.7E-08	1.6E-01	5.5E-02	5.8E-10	1.0E+01	1.3E-05
2.0E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-02	1.3E-10	9.0E+00	6.2E-06	1.0E-03	5.8E-08	1.6E-01	5.5E-02	5.0E-10	9.0E+00	1.3E-05
2.0E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10	7.8E+00	6.2E-06	1.0E-03	5.1E-08	1.6E-01	5.5E-02	4.4E-10	7.8E+00	1.3E-05
2.0E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.1E-10	6.9E+00	6.2E-06	1.0E-03	4.5E-08	1.6E-01	5.5E-02	3.8E-10	6.9E+00	1.3E-05
2.0E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.5E-11	6.1E+00	6.2E-06	1.0E-03	3.9E-08	1.6E-01	5.5E-02	3.4E-10	6.1E+00	1.3E-05
2.0E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-02	8.6E-11	5.4E+00	6.2E-06	1.0E-03	3.5E-08	1.6E-01	5.5E-02	3.0E-10	5.4E+00	1.3E-05
2.0E-06	1.0E-03	9.1E-09	1.6E-01	5.5E-02	7.8E-11	4.9E+00	6.2E-06	1.0E-03	3.1E-08	1.6E-01	5.5E-02	2.7E-10	4.9E+00	1.3E-05
2.0E-06	1.0E-03	6.6E-08	1.6E-01	5.5E-02	5.7E-10	1.5E+01	6.2E-06	1.0E-03	9.4E-08	1.6E-01	5.5E-02	8.1E-10	1.5E+01	1.3E-05
2.0E-06	1.0E-03	9.7E-08	1.6E-01	5.5E-02	8.4E-10	1.9E+01	6.2E-06	1.0E-03	1.2E-07	1.6E-01	5.5E-02	1.0E-09	1.9E+01	1.3E-05
2.0E-06	1.0E-03	1.5E-07	1.6E-01	5.5E-02	1.3E-09	2.5E+01	6.2E-06	1.0E-03	1.6E-07	1.6E-01	5.5E-02	1.4E-09	2.5E+01	1.3E-05
2.0E-06	1.0E-03	1.3E-07	1.6E-01	5.5E-02	1.1E-09	3.3E+01	6.2E-06	1.0E-03	2.1E-07	1.6E-01	5.5E-02	1.8E-09	3.3E+01	1.3E-05
2.0E-06	1.0E-03	6.9E-08	1.6E-01	5.5E-02	6.0E-10	4.4E+01	6.2E-06	1.0E-03	2.8E-07	1.6E-01	5.5E-02	2.4E-09	4.4E+01	1.3E-05
2.0E-06	1.0E-03	2.6E-08	1.6E-01	5.5E-02	2.3E-10	1.5E+01	6.2E-06	1.0E-03	9.9E-08	1.6E-01	5.5E-02	8.6E-10	1.5E+01	1.3E-05
2.0E-06	1.0E-03	2.3E-08	1.6E-01	5.5E-02	1.9E-10	1.3E+01	6.2E-06	1.0E-03	8.4E-08	1.6E-01	5.5E-02	7.3E-10	1.3E+01	1.3E-05
2.0E-06	1.0E-03	2.0E-08	1.6E-01	5.5E-02	1.7E-10	1.1E+01	6.2E-06	1.0E-03	7.2E-08	1.6E-01	5.5E-02	6.2E-10	1.1E+01	1.3E-05
2.0E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-02	1.5E-10	9.6E+00	6.2E-06	1.0E-03	6.2E-08	1.6E-01	5.5E-02	5.3E-10	9.6E+00	1.3E-05
2.0E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-02	1.3E-10	8.3E+00	6.2E-06	1.0E-03	5.4E-08	1.6E-01	5.5E-02	4.6E-10	8.3E+00	1.3E-05
2.0E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.2E-10	7.3E+00	6.2E-06	1.0E-03	4.7E-08	1.6E-01	5.5E-02	4.1E-10	7.3E+00	1.3E-05
2.0E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.0E-10	6.4E+00	6.2E-06	1.0E-03	4.2E-08	1.6E-01	5.5E-02	3.6E-10	6.4E+00	1.3E-05
2.0E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.2E-11	5.7E+00	6.2E-06	1.0E-03	3.7E-08	1.6E-01	5.5E-02	3.2E-10	5.7E+00	1.3E-05
2.0E-06	1.0E-03	9.6E-09	1.6E-01	5.5E-02	8.3E-11	5.1E+00	6.2E-06	1.0E-03	3.3E-08	1.6E-01	5.5E-02	2.8E-10	5.1E+00	1.3E-05

2.0E-06	1.0E-03	8.7E-09	1.6E-01	5.5E-02	7.5E-11	4.6E+00	6.2E-06	1.0E-03	3.0E-08	1.6E-01	5.5E-02	2.6E-10	4.6E+00	1.3E-05
2.0E-06	1.0E-03	6.6E-08	1.6E-01	5.5E-02	5.6E-10	1.3E+01	6.2E-06	1.0E-03	8.1E-08	1.6E-01	5.5E-02	7.0E-10	1.3E+01	1.3E-05
2.0E-06	1.0E-03	9.7E-08	1.6E-01	5.5E-02	8.3E-10	1.6E+01	6.2E-06	1.0E-03	1.0E-07	1.6E-01	5.5E-02	8.7E-10	1.6E+01	1.3E-05
2.0E-06	1.0E-03	1.5E-07	1.6E-01	5.5E-02	1.3E-09	2.0E+01	6.2E-06	1.0E-03	1.3E-07	1.6E-01	5.5E-02	1.1E-09	2.0E+01	1.3E-05
2.0E-06	1.0E-03	1.3E-07	1.6E-01	5.5E-02	1.1E-09	2.4E+01	6.2E-06	1.0E-03	1.6E-07	1.6E-01	5.5E-02	1.4E-09	2.4E+01	1.3E-05
2.0E-06	1.0E-03	6.1E-08	1.6E-01	5.5E-02	5.3E-10	3.0E+01	6.2E-06	1.0E-03	2.0E-07	1.6E-01	5.5E-02	1.7E-09	3.0E+01	1.3E-05
2.0E-06	1.0E-03	2.5E-08	1.6E-01	5.5E-02	2.2E-10	1.3E+01	6.2E-06	1.0E-03	8.7E-08	1.6E-01	5.5E-02	7.5E-10	1.3E+01	1.3E-05
2.0E-06	1.0E-03	2.2E-08	1.6E-01	5.5E-02	1.9E-10	1.2E+01	6.2E-06	1.0E-03	7.5E-08	1.6E-01	5.5E-02	6.5E-10	1.2E+01	1.3E-05
2.0E-06	1.0E-03	1.9E-08	1.6E-01	5.5E-02	1.6E-10	1.0E+01	6.2E-06	1.0E-03	6.5E-08	1.6E-01	5.5E-02	5.6E-10	1.0E+01	1.3E-05
2.0E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-02	1.4E-10	8.7E+00	6.2E-06	1.0E-03	5.7E-08	1.6E-01	5.5E-02	4.9E-10	8.7E+00	1.3E-05
2.0E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10	7.7E+00	6.2E-06	1.0E-03	5.0E-08	1.6E-01	5.5E-02	4.3E-10	7.7E+00	1.3E-05
2.0E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10	6.8E+00	6.2E-06	1.0E-03	4.4E-08	1.6E-01	5.5E-02	3.8E-10	6.8E+00	1.3E-05
2.0E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.9E-11	6.0E+00	6.2E-06	1.0E-03	3.9E-08	1.6E-01	5.5E-02	3.4E-10	6.0E+00	1.3E-05
2.0E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-02	8.9E-11	5.3E+00	6.2E-06	1.0E-03	3.5E-08	1.6E-01	5.5E-02	3.0E-10	5.3E+00	1.3E-05
2.0E-06	1.0E-03	9.3E-09	1.6E-01	5.5E-02	8.0E-11	4.8E+00	6.2E-06	1.0E-03	3.1E-08	1.6E-01	5.5E-02	2.7E-10	4.8E+00	1.3E-05
2.0E-06	1.0E-03	8.4E-09	1.6E-01	5.5E-02	7.2E-11	4.3E+00	6.2E-06	1.0E-03	2.8E-08	1.6E-01	5.5E-02	2.4E-10	4.3E+00	1.3E-05
2.0E-06	1.0E-03	6.2E-08	1.6E-01	5.5E-02	5.4E-10	1.1E+01	6.2E-06	1.0E-03	6.9E-08	1.6E-01	5.5E-02	6.0E-10	1.1E+01	1.3E-05
2.0E-06	1.0E-03	9.2E-08	1.6E-01	5.5E-02	7.9E-10	1.3E+01	6.2E-06	1.0E-03	8.4E-08	1.6E-01	5.5E-02	7.2E-10	1.3E+01	1.3E-05
2.0E-06	1.0E-03	1.4E-07	1.6E-01	5.5E-02	1.2E-09	1.6E+01	6.2E-06	1.0E-03	1.0E-07	1.6E-01	5.5E-02	8.8E-10	1.6E+01	1.3E-05
2.0E-06	1.0E-03	3.1E-08	1.6E-01	5.5E-02	2.7E-10	1.9E+01	6.2E-06	1.0E-03	1.2E-07	1.6E-01	5.5E-02	1.1E-09	1.9E+01	1.3E-05
2.0E-06	1.0E-03	3.6E-08	1.6E-01	5.5E-02	3.1E-10	2.2E+01	6.2E-06	1.0E-03	1.5E-07	1.6E-01	5.5E-02	1.3E-09	2.2E+01	1.3E-05
2.0E-06	1.0E-03	2.4E-08	1.6E-01	5.5E-02	2.0E-10	1.2E+01	6.2E-06	1.0E-03	7.6E-08	1.6E-01	5.5E-02	6.6E-10	1.2E+01	1.3E-05
2.0E-06	1.0E-03	2.1E-08	1.6E-01	5.5E-02	1.8E-10	1.0E+01	6.2E-06	1.0E-03	6.7E-08	1.6E-01	5.5E-02	5.8E-10	1.0E+01	1.3E-05
2.0E-06	1.0E-03	1.8E-08	1.6E-01	5.5E-02	1.5E-10	9.0E+00	6.2E-06	1.0E-03	5.9E-08	1.6E-01	5.5E-02	5.0E-10	9.0E+00	1.3E-05
2.0E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-02	1.3E-10	7.9E+00	6.2E-06	1.0E-03	5.2E-08	1.6E-01	5.5E-02	4.4E-10	7.9E+00	1.3E-05
2.0E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10	7.0E+00	6.2E-06	1.0E-03	4.6E-08	1.6E-01	5.5E-02	3.9E-10	7.0E+00	1.3E-05
2.0E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.1E-10	6.2E+00	6.2E-06	1.0E-03	4.1E-08	1.6E-01	5.5E-02	3.5E-10	6.2E+00	1.3E-05
2.0E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.4E-11	5.6E+00	6.2E-06	1.0E-03	3.6E-08	1.6E-01	5.5E-02	3.1E-10	5.6E+00	1.3E-05
2.0E-06	1.0E-03	9.9E-09	1.6E-01	5.5E-02	8.5E-11	5.0E+00	6.2E-06	1.0E-03	3.3E-08	1.6E-01	5.5E-02	2.8E-10	5.0E+00	1.3E-05
2.0E-06	1.0E-03	8.9E-09	1.6E-01	5.5E-02	7.6E-11	4.5E+00	6.2E-06	1.0E-03	2.9E-08	1.6E-01	5.5E-02	2.5E-10	4.5E+00	1.3E-05
2.0E-06	1.0E-03	8.1E-09	1.6E-01	5.5E-02	6.9E-11	4.1E+00	6.2E-06	1.0E-03	2.6E-08	1.6E-01	5.5E-02	2.3E-10	4.1E+00	1.3E-05
2.0E-06	1.0E-03	5.7E-08	1.6E-01	5.5E-02	4.9E-10	9.1E+00	6.2E-06	1.0E-03	5.9E-08	1.6E-01	5.5E-02	5.1E-10	9.1E+00	1.3E-05
2.0E-06	1.0E-03	8.2E-08	1.6E-01	5.5E-02	7.0E-10	1.1E+01	6.2E-06	1.0E-03	6.9E-08	1.6E-01	5.5E-02	6.0E-10	1.1E+01	1.3E-05
2.0E-06	1.0E-03	1.3E-07	1.6E-01	5.5E-02	1.1E-09	1.3E+01	6.2E-06	1.0E-03	8.2E-08	1.6E-01	5.5E-02	7.0E-10	1.3E+01	1.3E-05
2.0E-06	1.0E-03	8.0E-08	1.6E-01	5.5E-02	6.9E-10	1.5E+01	6.2E-06	1.0E-03	9.6E-08	1.6E-01	5.5E-02	8.3E-10	1.5E+01	1.3E-05
2.0E-06	1.0E-03	1.0E-07	1.6E-01	5.5E-02	8.9E-10	1.7E+01	6.2E-06	1.0E-03	1.1E-07	1.6E-01	5.5E-02	9.7E-10	1.7E+01	1.3E-05
2.0E-06	1.0E-03	2.2E-08	1.6E-01	5.5E-02	1.9E-10	1.0E+01	6.2E-06	1.0E-03	6.7E-08	1.6E-01	5.5E-02	5.8E-10	1.0E+01	1.3E-05
2.0E-06	1.0E-03	1.9E-08	1.6E-01	5.5E-02	1.7E-10	9.1E+00	6.2E-06	1.0E-03	5.9E-08	1.6E-01	5.5E-02	5.1E-10	9.1E+00	1.3E-05
2.0E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-02	1.4E-10	8.1E+00	6.2E-06	1.0E-03	5.3E-08	1.6E-01	5.5E-02	4.5E-10	8.1E+00	1.3E-05
2.0E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-02	1.3E-10	7.2E+00	6.2E-06	1.0E-03	4.7E-08	1.6E-01	5.5E-02	4.0E-10	7.2E+00	1.3E-05
2.0E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10	6.4E+00	6.2E-06	1.0E-03	4.2E-08	1.6E-01	5.5E-02	3.6E-10	6.4E+00	1.3E-05
2.0E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.0E-10	5.8E+00	6.2E-06	1.0E-03	3.7E-08	1.6E-01	5.5E-02	3.2E-10	5.8E+00	1.3E-05
2.0E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-02	9.0E-11	5.2E+00	6.2E-06	1.0E-03	3.4E-08	1.6E-01	5.5E-02	2.9E-10	5.2E+00	1.3E-05
2.0E-06	1.0E-03	9.4E-09	1.6E-01	5.5E-02	8.1E-11	4.7E+00	6.2E-06	1.0E-03	3.0E-08	1.6E-01	5.5E-02	2.6E-10	4.7E+00	1.3E-05
2.0E-06	1.0E-03	8.5E-09	1.6E-01	5.5E-02	7.3E-11	4.2E+00	6.2E-06	1.0E-03	2.8E-08	1.6E-01	5.5E-02	2.4E-10	4.2E+00	1.3E-05
2.0E-06	1.0E-03	7.7E-09	1.6E-01	5.5E-02	6.6E-11	3.9E+00	6.2E-06	1.0E-03	2.5E-08	1.6E-01	5.5E-02	2.2E-10	3.9E+00	1.3E-05
2.0E-06	1.0E-03	4.9E-08	1.6E-01	5.5E-02	4.2E-10	7.8E+00	6.2E-06	1.0E-03	5.0E-08	1.6E-01	5.5E-02	4.3E-10	7.8E+00	1.3E-05
2.0E-06	1.0E-03	6.9E-08	1.6E-01	5.5E-02	6.0E-10	9.0E+00	6.2E-06	1.0E-03	5.8E-08	1.6E-01	5.5E-02	5.0E-10	9.0E+00	1.3E-05
2.0E-06	1.0E-03	1.0E-07	1.6E-01	5.5E-02	8.8E-10	1.0E+01	6.2E-06	1.0E-03	6.7E-08	1.6E-01	5.5E-02	5.8E-10	1.0E+01	1.3E-05

2.0E-06	1.0E-03	5.3E-08	1.6E-01	5.5E-02	4.6E-10	1.2E+01	6.2E-06	1.0E-03	7.8E-08	1.6E-01	5.5E-02	6.7E-10	1.2E+01	1.3E-05
2.0E-06	1.0E-03	6.3E-08	1.6E-01	5.5E-02	5.4E-10	1.4E+01	6.2E-06	1.0E-03	8.9E-08	1.6E-01	5.5E-02	7.7E-10	1.4E+01	1.3E-05
2.0E-06	1.0E-03	2.0E-08	1.6E-01	5.5E-02	1.8E-10	9.1E+00	6.2E-06	1.0E-03	5.9E-08	1.6E-01	5.5E-02	5.1E-10	9.1E+00	1.3E-05
2.0E-06	1.0E-03	1.8E-08	1.6E-01	5.5E-02	1.5E-10	8.1E+00	6.2E-06	1.0E-03	5.3E-08	1.6E-01	5.5E-02	4.6E-10	8.1E+00	1.3E-05
2.0E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-02	1.3E-10	7.3E+00	6.2E-06	1.0E-03	4.7E-08	1.6E-01	5.5E-02	4.1E-10	7.3E+00	1.3E-05
2.0E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10	6.6E+00	6.2E-06	1.0E-03	4.3E-08	1.6E-01	5.5E-02	3.7E-10	6.6E+00	1.3E-05
2.0E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.1E-10	5.9E+00	6.2E-06	1.0E-03	3.8E-08	1.6E-01	5.5E-02	3.3E-10	5.9E+00	1.3E-05
2.0E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.5E-11	5.3E+00	6.2E-06	1.0E-03	3.5E-08	1.6E-01	5.5E-02	3.0E-10	5.3E+00	1.3E-05
2.0E-06	1.0E-03	9.9E-09	1.6E-01	5.5E-02	8.5E-11	4.8E+00	6.2E-06	1.0E-03	3.1E-08	1.6E-01	5.5E-02	2.7E-10	4.8E+00	1.3E-05
2.0E-06	1.0E-03	8.9E-09	1.6E-01	5.5E-02	7.7E-11	4.4E+00	6.2E-06	1.0E-03	2.8E-08	1.6E-01	5.5E-02	2.5E-10	4.4E+00	1.3E-05
2.0E-06	1.0E-03	8.1E-09	1.6E-01	5.5E-02	7.0E-11	4.0E+00	6.2E-06	1.0E-03	2.6E-08	1.6E-01	5.5E-02	2.2E-10	4.0E+00	1.3E-05
2.0E-06	1.0E-03	7.4E-09	1.6E-01	5.5E-02	6.3E-11	3.6E+00	6.2E-06	1.0E-03	2.4E-08	1.6E-01	5.5E-02	2.0E-10	3.6E+00	1.3E-05
2.0E-06	1.0E-03	4.2E-08	1.6E-01	5.5E-02	3.6E-10	6.7E+00	6.2E-06	1.0E-03	4.4E-08	1.6E-01	5.5E-02	3.8E-10	6.7E+00	1.3E-05
2.0E-06	1.0E-03	5.6E-08	1.6E-01	5.5E-02	4.8E-10	7.7E+00	6.2E-06	1.0E-03	5.0E-08	1.6E-01	5.5E-02	4.3E-10	7.7E+00	1.3E-05
2.0E-06	1.0E-03	7.8E-08	1.6E-01	5.5E-02	6.7E-10	8.8E+00	6.2E-06	1.0E-03	5.7E-08	1.6E-01	5.5E-02	4.9E-10	8.8E+00	1.3E-05
2.0E-06	1.0E-03	1.1E-07	1.6E-01	5.5E-02	9.4E-10	1.0E+01	6.2E-06	1.0E-03	6.5E-08	1.6E-01	5.5E-02	5.6E-10	1.0E+01	1.3E-05
2.0E-06	1.0E-03	4.2E-08	1.6E-01	5.5E-02	3.6E-10	1.1E+01	6.2E-06	1.0E-03	7.2E-08	1.6E-01	5.5E-02	6.2E-10	1.1E+01	1.3E-05
2.0E-06	1.0E-03	1.9E-08	1.6E-01	5.5E-02	1.6E-10	8.0E+00	6.2E-06	1.0E-03	5.2E-08	1.6E-01	5.5E-02	4.5E-10	8.0E+00	1.3E-05
2.0E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-02	1.4E-10	7.3E+00	6.2E-06	1.0E-03	4.7E-08	1.6E-01	5.5E-02	4.1E-10	7.3E+00	1.3E-05
2.0E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-02	1.2E-10	6.6E+00	6.2E-06	1.0E-03	4.3E-08	1.6E-01	5.5E-02	3.7E-10	6.6E+00	1.3E-05
2.0E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10	6.0E+00	6.2E-06	1.0E-03	3.9E-08	1.6E-01	5.5E-02	3.3E-10	6.0E+00	1.3E-05
2.0E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	9.9E-11	5.4E+00	6.2E-06	1.0E-03	3.5E-08	1.6E-01	5.5E-02	3.0E-10	5.4E+00	1.3E-05
2.0E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-02	8.9E-11	4.9E+00	6.2E-06	1.0E-03	3.2E-08	1.6E-01	5.5E-02	2.8E-10	4.9E+00	1.3E-05
2.0E-06	1.0E-03	9.3E-09	1.6E-01	5.5E-02	8.0E-11	4.5E+00	6.2E-06	1.0E-03	2.9E-08	1.6E-01	5.5E-02	2.5E-10	4.5E+00	1.3E-05
2.0E-06	1.0E-03	8.4E-09	1.6E-01	5.5E-02	7.3E-11	4.1E+00	6.2E-06	1.0E-03	2.7E-08	1.6E-01	5.5E-02	2.3E-10	4.1E+00	1.3E-05
2.0E-06	1.0E-03	7.7E-09	1.6E-01	5.5E-02	6.6E-11	3.8E+00	6.2E-06	1.0E-03	2.4E-08	1.6E-01	5.5E-02	2.1E-10	3.8E+00	1.3E-05
2.0E-06	1.0E-03	7.0E-09	1.6E-01	5.5E-02	6.0E-11	3.4E+00	6.2E-06	1.0E-03	2.2E-08	1.6E-01	5.5E-02	1.9E-10	3.4E+00	1.3E-05
2.0E-06	1.0E-03	3.5E-08	1.6E-01	5.5E-02	3.0E-10	5.9E+00	6.2E-06	1.0E-03	3.8E-08	1.6E-01	5.5E-02	3.3E-10	5.9E+00	1.3E-05
2.0E-06	1.0E-03	4.4E-08	1.6E-01	5.5E-02	3.8E-10	6.6E+00	6.2E-06	1.0E-03	4.3E-08	1.6E-01	5.5E-02	3.7E-10	6.6E+00	1.3E-05
2.0E-06	1.0E-03	5.7E-08	1.6E-01	5.5E-02	4.9E-10	7.4E+00	6.2E-06	1.0E-03	4.8E-08	1.6E-01	5.5E-02	4.1E-10	7.4E+00	1.3E-05
2.0E-06	1.0E-03	7.3E-08	1.6E-01	5.5E-02	6.3E-10	8.3E+00	6.2E-06	1.0E-03	5.4E-08	1.6E-01	5.5E-02	4.6E-10	8.3E+00	1.3E-05
2.0E-06	1.0E-03	8.7E-08	1.6E-01	5.5E-02	7.5E-10	9.2E+00	6.2E-06	1.0E-03	6.0E-08	1.6E-01	5.5E-02	5.1E-10	9.2E+00	1.3E-05
2.0E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-02	1.5E-10	7.1E+00	6.2E-06	1.0E-03	4.6E-08	1.6E-01	5.5E-02	4.0E-10	7.1E+00	1.3E-05
2.0E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-02	1.3E-10	6.6E+00	6.2E-06	1.0E-03	4.3E-08	1.6E-01	5.5E-02	3.7E-10	6.6E+00	1.3E-05
2.0E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.2E-10	6.0E+00	6.2E-06	1.0E-03	3.9E-08	1.6E-01	5.5E-02	3.3E-10	6.0E+00	1.3E-05
2.0E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.0E-10	5.5E+00	6.2E-06	1.0E-03	3.6E-08	1.6E-01	5.5E-02	3.1E-10	5.5E+00	1.3E-05
2.0E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.3E-11	5.0E+00	6.2E-06	1.0E-03	3.2E-08	1.6E-01	5.5E-02	2.8E-10	5.0E+00	1.3E-05
2.0E-06	1.0E-03	9.7E-09	1.6E-01	5.5E-02	8.4E-11	4.6E+00	6.2E-06	1.0E-03	3.0E-08	1.6E-01	5.5E-02	2.6E-10	4.6E+00	1.3E-05
2.0E-06	1.0E-03	8.8E-09	1.6E-01	5.5E-02	7.6E-11	4.2E+00	6.2E-06	1.0E-03	2.7E-08	1.6E-01	5.5E-02	2.3E-10	4.2E+00	1.3E-05
2.0E-06	1.0E-03	8.0E-09	1.6E-01	5.5E-02	6.9E-11	3.8E+00	6.2E-06	1.0E-03	2.5E-08	1.6E-01	5.5E-02	2.1E-10	3.8E+00	1.3E-05
2.0E-06	1.0E-03	7.3E-09	1.6E-01	5.5E-02	6.3E-11	3.5E+00	6.2E-06	1.0E-03	2.3E-08	1.6E-01	5.5E-02	2.0E-10	3.5E+00	1.3E-05
2.0E-06	1.0E-03	6.6E-09	1.6E-01	5.5E-02	5.7E-11	3.2E+00	6.2E-06	1.0E-03	2.1E-08	1.6E-01	5.5E-02	1.8E-10	3.2E+00	1.3E-05
2.0E-06	1.0E-03	2.9E-08	1.6E-01	5.5E-02	2.5E-10	5.2E+00	6.2E-06	1.0E-03	3.4E-08	1.6E-01	5.5E-02	2.9E-10	5.2E+00	1.3E-05
2.0E-06	1.0E-03	3.5E-08	1.6E-01	5.5E-02	3.0E-10	5.8E+00	6.2E-06	1.0E-03	3.7E-08	1.6E-01	5.5E-02	3.2E-10	5.8E+00	1.3E-05
2.0E-06	1.0E-03	4.3E-08	1.6E-01	5.5E-02	3.7E-10	6.4E+00	6.2E-06	1.0E-03	4.2E-08	1.6E-01	5.5E-02	3.6E-10	6.4E+00	1.3E-05
2.0E-06	1.0E-03	5.1E-08	1.6E-01	5.5E-02	4.4E-10	7.1E+00	6.2E-06	1.0E-03	4.6E-08	1.6E-01	5.5E-02	4.0E-10	7.1E+00	1.3E-05
2.0E-06	1.0E-03	5.8E-08	1.6E-01	5.5E-02	5.0E-10	7.8E+00	6.2E-06	1.0E-03	5.0E-08	1.6E-01	5.5E-02	4.3E-10	7.8E+00	1.3E-05
2.0E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-02	1.3E-10	6.4E+00	6.2E-06	1.0E-03	4.1E-08	1.6E-01	5.5E-02	3.6E-10	6.4E+00	1.3E-05
2.0E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10	5.9E+00	6.2E-06	1.0E-03	3.8E-08	1.6E-01	5.5E-02	3.3E-10	5.9E+00	1.3E-05

2.0E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.1E-10	5.4E+00	6.2E-06	1.0E-03	3.5E-08	1.6E-01	5.5E-02	3.0E-10	5.4E+00	1.3E-05
2.0E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.5E-11	5.0E+00	6.2E-06	1.0E-03	3.2E-08	1.6E-01	5.5E-02	2.8E-10	5.0E+00	1.3E-05
2.0E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-02	8.6E-11	4.6E+00	6.2E-06	1.0E-03	3.0E-08	1.6E-01	5.5E-02	2.6E-10	4.6E+00	1.3E-05
2.0E-06	1.0E-03	9.0E-09	1.6E-01	5.5E-02	7.8E-11	4.2E+00	6.2E-06	1.0E-03	2.7E-08	1.6E-01	5.5E-02	2.4E-10	4.2E+00	1.3E-05
2.0E-06	1.0E-03	8.2E-09	1.6E-01	5.5E-02	7.1E-11	3.9E+00	6.2E-06	1.0E-03	2.5E-08	1.6E-01	5.5E-02	2.2E-10	3.9E+00	1.3E-05
2.0E-06	1.0E-03	7.5E-09	1.6E-01	5.5E-02	6.5E-11	3.6E+00	6.2E-06	1.0E-03	2.3E-08	1.6E-01	5.5E-02	2.0E-10	3.6E+00	1.3E-05
2.0E-06	1.0E-03	6.9E-09	1.6E-01	5.5E-02	5.9E-11	3.3E+00	6.2E-06	1.0E-03	2.1E-08	1.6E-01	5.5E-02	1.8E-10	3.3E+00	1.3E-05
2.0E-06	1.0E-03	6.3E-09	1.6E-01	5.5E-02	5.4E-11	3.0E+00	6.2E-06	1.0E-03	2.0E-08	1.6E-01	5.5E-02	1.7E-10	3.0E+00	1.3E-05
2.0E-06	1.0E-03	2.4E-08	1.6E-01	5.5E-02	2.0E-10	4.6E+00	6.2E-06	1.0E-03	3.0E-08	1.6E-01	5.5E-02	2.6E-10	4.6E+00	1.3E-05
2.0E-06	1.0E-03	2.8E-08	1.6E-01	5.5E-02	2.4E-10	5.1E+00	6.2E-06	1.0E-03	3.3E-08	1.6E-01	5.5E-02	2.8E-10	5.1E+00	1.3E-05
2.0E-06	1.0E-03	3.3E-08	1.6E-01	5.5E-02	2.9E-10	5.6E+00	6.2E-06	1.0E-03	3.6E-08	1.6E-01	5.5E-02	3.1E-10	5.6E+00	1.3E-05
2.0E-06	1.0E-03	3.8E-08	1.6E-01	5.5E-02	3.2E-10	6.1E+00	6.2E-06	1.0E-03	4.0E-08	1.6E-01	5.5E-02	3.4E-10	6.1E+00	1.3E-05
2.0E-06	1.0E-03	4.1E-08	1.6E-01	5.5E-02	3.5E-10	6.6E+00	6.2E-06	1.0E-03	4.3E-08	1.6E-01	5.5E-02	3.7E-10	6.6E+00	1.3E-05
2.0E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10	5.7E+00	6.2E-06	1.0E-03	3.7E-08	1.6E-01	5.5E-02	3.2E-10	5.7E+00	1.3E-05
2.0E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10	5.3E+00	6.2E-06	1.0E-03	3.5E-08	1.6E-01	5.5E-02	3.0E-10	5.3E+00	1.3E-05
2.0E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.8E-11	4.9E+00	6.2E-06	1.0E-03	3.2E-08	1.6E-01	5.5E-02	2.8E-10	4.9E+00	1.3E-05
2.0E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-02	8.8E-11	4.6E+00	6.2E-06	1.0E-03	3.0E-08	1.6E-01	5.5E-02	2.5E-10	4.6E+00	1.3E-05
2.0E-06	1.0E-03	9.2E-09	1.6E-01	5.5E-02	7.9E-11	4.2E+00	6.2E-06	1.0E-03	2.7E-08	1.6E-01	5.5E-02	2.3E-10	4.2E+00	1.3E-05
2.0E-06	1.0E-03	8.3E-09	1.6E-01	5.5E-02	7.1E-11	3.8E+00	6.2E-06	1.0E-03	2.5E-08	1.6E-01	5.5E-02	2.1E-10	3.8E+00	1.3E-05
2.0E-06	1.0E-03	7.6E-09	1.6E-01	5.5E-02	6.5E-11	3.6E+00	6.2E-06	1.0E-03	2.3E-08	1.6E-01	5.5E-02	2.0E-10	3.6E+00	1.3E-05
2.0E-06	1.0E-03	7.0E-09	1.6E-01	5.5E-02	6.0E-11	3.3E+00	6.2E-06	1.0E-03	2.1E-08	1.6E-01	5.5E-02	1.8E-10	3.3E+00	1.3E-05
2.0E-06	1.0E-03	6.4E-09	1.6E-01	5.5E-02	5.5E-11	3.1E+00	6.2E-06	1.0E-03	2.0E-08	1.6E-01	5.5E-02	1.7E-10	3.1E+00	1.3E-05
2.0E-06	1.0E-03	5.9E-09	1.6E-01	5.5E-02	5.1E-11	2.8E+00	6.2E-06	1.0E-03	1.8E-08	1.6E-01	5.5E-02	1.6E-10	2.8E+00	1.3E-05
2.0E-06	1.0E-03	2.0E-08	1.6E-01	5.5E-02	1.7E-10	4.1E+00	6.2E-06	1.0E-03	2.6E-08	1.6E-01	5.5E-02	2.3E-10	4.1E+00	1.3E-05
2.0E-06	1.0E-03	2.3E-08	1.6E-01	5.5E-02	2.0E-10	4.5E+00	6.2E-06	1.0E-03	2.9E-08	1.6E-01	5.5E-02	2.5E-10	4.5E+00	1.3E-05
2.0E-06	1.0E-03	2.6E-08	1.6E-01	5.5E-02	2.3E-10	4.9E+00	6.2E-06	1.0E-03	3.2E-08	1.6E-01	5.5E-02	2.7E-10	4.9E+00	1.3E-05
2.0E-06	1.0E-03	2.9E-08	1.6E-01	5.5E-02	2.5E-10	5.3E+00	6.2E-06	1.0E-03	3.5E-08	1.6E-01	5.5E-02	3.0E-10	5.3E+00	1.3E-05
2.0E-06	1.0E-03	3.1E-08	1.6E-01	5.5E-02	2.7E-10	5.7E+00	6.2E-06	1.0E-03	3.7E-08	1.6E-01	5.5E-02	3.2E-10	5.7E+00	1.3E-05
2.0E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.0E-10	4.9E+00	6.2E-06	1.0E-03	3.1E-08	1.6E-01	5.5E-02	2.7E-10	4.9E+00	1.3E-05
2.0E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.1E-11	4.5E+00	6.2E-06	1.0E-03	2.9E-08	1.6E-01	5.5E-02	2.5E-10	4.5E+00	1.3E-05
2.0E-06	1.0E-03	9.5E-09	1.6E-01	5.5E-02	8.2E-11	4.2E+00	6.2E-06	1.0E-03	2.7E-08	1.6E-01	5.5E-02	2.3E-10	4.2E+00	1.3E-05
2.0E-06	1.0E-03	8.3E-09	1.6E-01	5.5E-02	7.2E-11	3.8E+00	6.2E-06	1.0E-03	2.4E-08	1.6E-01	5.5E-02	2.1E-10	3.8E+00	1.3E-05
2.0E-06	1.0E-03	7.6E-09	1.6E-01	5.5E-02	6.5E-11	3.5E+00	6.2E-06	1.0E-03	2.3E-08	1.6E-01	5.5E-02	1.9E-10	3.5E+00	1.3E-05
2.0E-06	1.0E-03	6.9E-09	1.6E-01	5.5E-02	6.0E-11	3.2E+00	6.2E-06	1.0E-03	2.1E-08	1.6E-01	5.5E-02	1.8E-10	3.2E+00	1.3E-05
2.0E-06	1.0E-03	6.4E-09	1.6E-01	5.5E-02	5.5E-11	3.0E+00	6.2E-06	1.0E-03	2.0E-08	1.6E-01	5.5E-02	1.7E-10	3.0E+00	1.3E-05
2.0E-06	1.0E-03	5.9E-09	1.6E-01	5.5E-02	5.1E-11	2.8E+00	6.2E-06	1.0E-03	1.8E-08	1.6E-01	5.5E-02	1.6E-10	2.8E+00	1.3E-05
2.0E-06	1.0E-03	5.5E-09	1.6E-01	5.5E-02	4.7E-11	2.6E+00	6.2E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-02	1.5E-10	2.6E+00	1.3E-05
2.0E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-02	1.4E-10	3.7E+00	6.2E-06	1.0E-03	2.4E-08	1.6E-01	5.5E-02	2.1E-10	3.7E+00	1.3E-05
2.0E-06	1.0E-03	1.9E-08	1.6E-01	5.5E-02	1.6E-10	4.0E+00	6.2E-06	1.0E-03	2.6E-08	1.6E-01	5.5E-02	2.2E-10	4.0E+00	1.3E-05
2.0E-06	1.0E-03	2.1E-08	1.6E-01	5.5E-02	1.8E-10	4.3E+00	6.2E-06	1.0E-03	2.8E-08	1.6E-01	5.5E-02	2.4E-10	4.3E+00	1.3E-05
2.0E-06	1.0E-03	2.3E-08	1.6E-01	5.5E-02	2.0E-10	4.7E+00	6.2E-06	1.0E-03	3.0E-08	1.6E-01	5.5E-02	2.6E-10	4.7E+00	1.3E-05
2.0E-06	1.0E-03	2.4E-08	1.6E-01	5.5E-02	2.1E-10	5.0E+00	6.2E-06	1.0E-03	3.2E-08	1.6E-01	5.5E-02	2.8E-10	5.0E+00	1.3E-05
2.0E-06	1.0E-03	9.8E-09	1.6E-01	5.5E-02	8.5E-11	4.2E+00	6.2E-06	1.0E-03	2.7E-08	1.6E-01	5.5E-02	2.3E-10	4.2E+00	1.3E-05
2.0E-06	1.0E-03	8.9E-09	1.6E-01	5.5E-02	7.7E-11	3.9E+00	6.2E-06	1.0E-03	2.5E-08	1.6E-01	5.5E-02	2.2E-10	3.9E+00	1.3E-05
2.0E-06	1.0E-03	8.0E-09	1.6E-01	5.5E-02	6.9E-11	3.6E+00	6.2E-06	1.0E-03	2.3E-08	1.6E-01	5.5E-02	2.0E-10	3.6E+00	1.3E-05
2.0E-06	1.0E-03	7.3E-09	1.6E-01	5.5E-02	6.3E-11	3.3E+00	6.2E-06	1.0E-03	2.2E-08	1.6E-01	5.5E-02	1.9E-10	3.3E+00	1.3E-05
2.0E-06	1.0E-03	6.7E-09	1.6E-01	5.5E-02	5.8E-11	3.1E+00	6.2E-06	1.0E-03	2.0E-08	1.6E-01	5.5E-02	1.7E-10	3.1E+00	1.3E-05
2.0E-06	1.0E-03	6.1E-09	1.6E-01	5.5E-02	5.3E-11	2.9E+00	6.2E-06	1.0E-03	1.9E-08	1.6E-01	5.5E-02	1.6E-10	2.9E+00	1.3E-05
2.0E-06	1.0E-03	5.6E-09	1.6E-01	5.5E-02	4.8E-11	2.7E+00	6.2E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-02	1.5E-10	2.7E+00	1.3E-05

2.0E-06	1.0E-03	5.1E-09	1.6E-01	5.5E-02	4.4E-11	2.5E+00	6.2E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-02	1.4E-10	2.5E+00	1.3E-05
2.0E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10	3.3E+00	6.2E-06	1.0E-03	2.2E-08	1.6E-01	5.5E-02	1.9E-10	3.3E+00	1.3E-05
2.0E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-02	1.4E-10	3.6E+00	6.2E-06	1.0E-03	2.3E-08	1.6E-01	5.5E-02	2.0E-10	3.6E+00	1.3E-05
2.0E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-02	1.5E-10	3.9E+00	6.2E-06	1.0E-03	2.5E-08	1.6E-01	5.5E-02	2.2E-10	3.9E+00	1.3E-05
2.0E-06	1.0E-03	1.9E-08	1.6E-01	5.5E-02	1.6E-10	4.1E+00	6.2E-06	1.0E-03	2.7E-08	1.6E-01	5.5E-02	2.3E-10	4.1E+00	1.3E-05
2.0E-06	1.0E-03	2.0E-08	1.6E-01	5.5E-02	1.7E-10	4.4E+00	6.2E-06	1.0E-03	2.8E-08	1.6E-01	5.5E-02	2.5E-10	4.4E+00	1.3E-05
2.0E-06	1.0E-03	8.4E-09	1.6E-01	5.5E-02	7.2E-11	3.6E+00	6.2E-06	1.0E-03	2.4E-08	1.6E-01	5.5E-02	2.0E-10	3.6E+00	1.3E-05
2.0E-06	1.0E-03	7.8E-09	1.6E-01	5.5E-02	6.7E-11	3.4E+00	6.2E-06	1.0E-03	2.2E-08	1.6E-01	5.5E-02	1.9E-10	3.4E+00	1.3E-05
2.0E-06	1.0E-03	7.1E-09	1.6E-01	5.5E-02	6.2E-11	3.2E+00	6.2E-06	1.0E-03	2.1E-08	1.6E-01	5.5E-02	1.8E-10	3.2E+00	1.3E-05
2.0E-06	1.0E-03	6.5E-09	1.6E-01	5.5E-02	5.6E-11	3.0E+00	6.2E-06	1.0E-03	1.9E-08	1.6E-01	5.5E-02	1.7E-10	3.0E+00	1.3E-05
2.0E-06	1.0E-03	6.0E-09	1.6E-01	5.5E-02	5.2E-11	2.8E+00	6.2E-06	1.0E-03	1.8E-08	1.6E-01	5.5E-02	1.6E-10	2.8E+00	1.3E-05
2.0E-06	1.0E-03	5.5E-09	1.6E-01	5.5E-02	4.7E-11	2.6E+00	6.2E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-02	1.5E-10	2.6E+00	1.3E-05
2.0E-06	1.0E-03	5.0E-09	1.6E-01	5.5E-02	4.3E-11	2.4E+00	6.2E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-02	1.3E-10	2.4E+00	1.3E-05
2.0E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.1E-10	3.0E+00	6.2E-06	1.0E-03	2.0E-08	1.6E-01	5.5E-02	1.7E-10	3.0E+00	1.3E-05
2.0E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10	3.3E+00	6.2E-06	1.0E-03	2.1E-08	1.6E-01	5.5E-02	1.8E-10	3.3E+00	1.3E-05
2.0E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-02	1.3E-10	3.5E+00	6.2E-06	1.0E-03	2.3E-08	1.6E-01	5.5E-02	1.9E-10	3.5E+00	1.3E-05
2.0E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-02	1.3E-10	3.7E+00	6.2E-06	1.0E-03	2.4E-08	1.6E-01	5.5E-02	2.1E-10	3.7E+00	1.3E-05
2.0E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-02	1.4E-10	3.9E+00	6.2E-06	1.0E-03	2.5E-08	1.6E-01	5.5E-02	2.2E-10	3.9E+00	1.3E-05
2.0E-06	1.0E-03	7.3E-09	1.6E-01	5.5E-02	6.3E-11	3.2E+00	6.2E-06	1.0E-03	2.1E-08	1.6E-01	5.5E-02	1.8E-10	3.2E+00	1.3E-05
2.0E-06	1.0E-03	6.7E-09	1.6E-01	5.5E-02	5.8E-11	3.0E+00	6.2E-06	1.0E-03	2.0E-08	1.6E-01	5.5E-02	1.7E-10	3.0E+00	1.3E-05
2.0E-06	1.0E-03	6.2E-09	1.6E-01	5.5E-02	5.4E-11	2.8E+00	6.2E-06	1.0E-03	1.8E-08	1.6E-01	5.5E-02	1.6E-10	2.8E+00	1.3E-05
2.0E-06	1.0E-03	5.7E-09	1.6E-01	5.5E-02	5.0E-11	2.7E+00	6.2E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-02	1.5E-10	2.7E+00	1.3E-05
2.0E-06	1.0E-03	5.3E-09	1.6E-01	5.5E-02	4.6E-11	2.5E+00	6.2E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-02	1.4E-10	2.5E+00	1.3E-05
2.0E-06	1.0E-03	4.9E-09	1.6E-01	5.5E-02	4.2E-11	2.3E+00	6.2E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-02	1.3E-10	2.3E+00	1.3E-05
2.0E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.2E-11	2.7E+00	6.2E-06	1.0E-03	1.8E-08	1.6E-01	5.5E-02	1.5E-10	2.7E+00	1.3E-05
2.0E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.0E-10	2.9E+00	6.2E-06	1.0E-03	1.9E-08	1.6E-01	5.5E-02	1.6E-10	2.9E+00	1.3E-05
2.0E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10	3.1E+00	6.2E-06	1.0E-03	2.0E-08	1.6E-01	5.5E-02	1.8E-10	3.1E+00	1.3E-05
2.0E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10	3.3E+00	6.2E-06	1.0E-03	2.2E-08	1.6E-01	5.5E-02	1.9E-10	3.3E+00	1.3E-05
2.0E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10	3.5E+00	6.2E-06	1.0E-03	2.3E-08	1.6E-01	5.5E-02	1.9E-10	3.5E+00	1.3E-05
2.0E-06	1.0E-03	6.9E-09	1.6E-01	5.5E-02	5.9E-11	3.0E+00	6.2E-06	1.0E-03	1.9E-08	1.6E-01	5.5E-02	1.7E-10	3.0E+00	1.3E-05
2.0E-06	1.0E-03	6.4E-09	1.6E-01	5.5E-02	5.5E-11	2.8E+00	6.2E-06	1.0E-03	1.8E-08	1.6E-01	5.5E-02	1.6E-10	2.8E+00	1.3E-05
2.0E-06	1.0E-03	5.9E-09	1.6E-01	5.5E-02	5.1E-11	2.7E+00	6.2E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-02	1.5E-10	2.7E+00	1.3E-05
2.0E-06	1.0E-03	5.5E-09	1.6E-01	5.5E-02	4.7E-11	2.5E+00	6.2E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-02	1.4E-10	2.5E+00	1.3E-05
2.0E-06	1.0E-03	5.1E-09	1.6E-01	5.5E-02	4.4E-11	2.4E+00	6.2E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-02	1.3E-10	2.4E+00	1.3E-05
2.0E-06	1.0E-03	4.7E-09	1.6E-01	5.5E-02	4.0E-11	2.2E+00	6.2E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10	2.2E+00	1.3E-05
2.0E-06	1.0E-03	9.4E-09	1.6E-01	5.5E-02	8.1E-11	2.5E+00	6.2E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-02	1.4E-10	2.5E+00	1.3E-05
2.0E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-02	8.7E-11	2.7E+00	6.2E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-02	1.5E-10	2.7E+00	1.3E-05
2.0E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.3E-11	2.8E+00	6.2E-06	1.0E-03	1.8E-08	1.6E-01	5.5E-02	1.6E-10	2.8E+00	1.3E-05
2.0E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.8E-11	3.0E+00	6.2E-06	1.0E-03	1.9E-08	1.6E-01	5.5E-02	1.7E-10	3.0E+00	1.3E-05
2.0E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.0E-10	3.1E+00	6.2E-06	1.0E-03	2.0E-08	1.6E-01	5.5E-02	1.8E-10	3.1E+00	1.3E-05
2.0E-06	1.0E-03	6.5E-09	1.6E-01	5.5E-02	5.6E-11	2.8E+00	6.2E-06	1.0E-03	1.8E-08	1.6E-01	5.5E-02	1.6E-10	2.8E+00	1.3E-05
2.0E-06	1.0E-03	6.0E-09	1.6E-01	5.5E-02	5.2E-11	2.6E+00	6.2E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-02	1.5E-10	2.6E+00	1.3E-05
2.0E-06	1.0E-03	5.6E-09	1.6E-01	5.5E-02	4.8E-11	2.5E+00	6.2E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-02	1.4E-10	2.5E+00	1.3E-05
2.0E-06	1.0E-03	5.2E-09	1.6E-01	5.5E-02	4.5E-11	2.4E+00	6.2E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-02	1.3E-10	2.4E+00	1.3E-05
2.0E-06	1.0E-03	4.9E-09	1.6E-01	5.5E-02	4.2E-11	2.2E+00	6.2E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-02	1.3E-10	2.2E+00	1.3E-05
2.0E-06	1.0E-03	4.5E-09	1.6E-01	5.5E-02	3.9E-11	2.1E+00	6.2E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10	2.1E+00	1.3E-05
2.0E-06	1.0E-03	8.3E-09	1.6E-01	5.5E-02	7.2E-11	2.3E+00	6.2E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-02	1.3E-10	2.3E+00	1.3E-05
2.0E-06	1.0E-03	8.9E-09	1.6E-01	5.5E-02	7.7E-11	2.4E+00	6.2E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-02	1.4E-10	2.4E+00	1.3E-05
2.0E-06	1.0E-03	9.5E-09	1.6E-01	5.5E-02	8.1E-11	2.6E+00	6.2E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-02	1.4E-10	2.6E+00	1.3E-05

2.0E-06	1.0E-03	9.9E-09	1.6E-01	5.5E-02	8.6E-11	2.7E+00	6.2E-06	1.0E-03	1.8E-08	1.6E-01	5.5E-02	1.5E-10	2.7E+00	1.3E-05
2.0E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-02	8.9E-11	2.8E+00	6.2E-06	1.0E-03	1.8E-08	1.6E-01	5.5E-02	1.6E-10	2.8E+00	1.3E-05
2.0E-06	1.0E-03	6.1E-09	1.6E-01	5.5E-02	5.2E-11	2.6E+00	6.2E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-02	1.4E-10	2.6E+00	1.3E-05
2.0E-06	1.0E-03	5.7E-09	1.6E-01	5.5E-02	4.9E-11	2.5E+00	6.2E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-02	1.4E-10	2.5E+00	1.3E-05
2.0E-06	1.0E-03	5.3E-09	1.6E-01	5.5E-02	4.6E-11	2.4E+00	6.2E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-02	1.3E-10	2.4E+00	1.3E-05
2.0E-06	1.0E-03	5.0E-09	1.6E-01	5.5E-02	4.3E-11	2.2E+00	6.2E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-02	1.3E-10	2.2E+00	1.3E-05
2.0E-06	1.0E-03	4.7E-09	1.6E-01	5.5E-02	4.0E-11	2.1E+00	6.2E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10	2.1E+00	1.3E-05
2.0E-06	1.0E-03	4.3E-09	1.6E-01	5.5E-02	3.7E-11	2.0E+00	6.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10	2.0E+00	1.3E-05
2.0E-06	1.0E-03	7.4E-09	1.6E-01	5.5E-02	6.4E-11	2.1E+00	6.2E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10	2.1E+00	1.3E-05
2.0E-06	1.0E-03	7.9E-09	1.6E-01	5.5E-02	6.8E-11	2.2E+00	6.2E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-02	1.3E-10	2.2E+00	1.3E-05
2.0E-06	1.0E-03	8.3E-09	1.6E-01	5.5E-02	7.2E-11	2.4E+00	6.2E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-02	1.3E-10	2.4E+00	1.3E-05
2.0E-06	1.0E-03	8.7E-09	1.6E-01	5.5E-02	7.5E-11	2.5E+00	6.2E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-02	1.4E-10	2.5E+00	1.3E-05
2.0E-06	1.0E-03	9.1E-09	1.6E-01	5.5E-02	7.8E-11	2.6E+00	6.2E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-02	1.4E-10	2.6E+00	1.3E-05
2.0E-06	1.0E-03	5.7E-09	1.6E-01	5.5E-02	4.9E-11	2.4E+00	6.2E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-02	1.4E-10	2.4E+00	1.3E-05
2.0E-06	1.0E-03	5.4E-09	1.6E-01	5.5E-02	4.6E-11	2.3E+00	6.2E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-02	1.3E-10	2.3E+00	1.3E-05
2.0E-06	1.0E-03	5.1E-09	1.6E-01	5.5E-02	4.3E-11	2.2E+00	6.2E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10	2.2E+00	1.3E-05
2.0E-06	1.0E-03	4.7E-09	1.6E-01	5.5E-02	4.1E-11	2.1E+00	6.2E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10	2.1E+00	1.3E-05
2.0E-06	1.0E-03	4.4E-09	1.6E-01	5.5E-02	3.8E-11	2.0E+00	6.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10	2.0E+00	1.3E-05
2.0E-06	1.0E-03	4.2E-09	1.6E-01	5.5E-02	3.6E-11	1.9E+00	6.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.1E-10	1.9E+00	1.3E-05
2.0E-06	1.0E-03	6.7E-09	1.6E-01	5.5E-02	5.7E-11	2.0E+00	6.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10	2.0E+00	1.3E-05
2.0E-06	1.0E-03	7.1E-09	1.6E-01	5.5E-02	6.1E-11	2.1E+00	6.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.2E-10	2.1E+00	1.3E-05
2.0E-06	1.0E-03	7.4E-09	1.6E-01	5.5E-02	6.4E-11	2.2E+00	6.2E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10	2.2E+00	1.3E-05
2.0E-06	1.0E-03	7.8E-09	1.6E-01	5.5E-02	6.7E-11	2.3E+00	6.2E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-02	1.3E-10	2.3E+00	1.3E-05
2.0E-06	1.0E-03	8.0E-09	1.6E-01	5.5E-02	6.9E-11	2.4E+00	6.2E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-02	1.3E-10	2.4E+00	1.3E-05
2.0E-06	1.0E-03	8.3E-09	1.6E-01	5.5E-02	7.1E-11	2.4E+00	6.2E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-02	1.4E-10	2.4E+00	1.3E-05
2.0E-06	1.0E-03	8.4E-09	1.6E-01	5.5E-02	7.3E-11	2.5E+00	6.2E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-02	1.4E-10	2.5E+00	1.3E-05
2.0E-06	1.0E-03	8.5E-09	1.6E-01	5.5E-02	7.3E-11	2.6E+00	6.2E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-02	1.4E-10	2.6E+00	1.3E-05
2.0E-06	1.0E-03	8.5E-09	1.6E-01	5.5E-02	7.3E-11	2.6E+00	6.2E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-02	1.5E-10	2.6E+00	1.3E-05
2.0E-06	1.0E-03	8.4E-09	1.6E-01	5.5E-02	7.3E-11	2.7E+00	6.2E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-02	1.5E-10	2.7E+00	1.3E-05
2.0E-06	1.0E-03	8.3E-09	1.6E-01	5.5E-02	7.2E-11	2.7E+00	6.2E-06	1.0E-03	1.8E-08	1.6E-01	5.5E-02	1.5E-10	2.7E+00	1.3E-05
2.0E-06	1.0E-03	8.1E-09	1.6E-01	5.5E-02	7.0E-11	2.7E+00	6.2E-06	1.0E-03	1.8E-08	1.6E-01	5.5E-02	1.5E-10	2.7E+00	1.3E-05
2.0E-06	1.0E-03	7.9E-09	1.6E-01	5.5E-02	6.8E-11	2.7E+00	6.2E-06	1.0E-03	1.8E-08	1.6E-01	5.5E-02	1.5E-10	2.7E+00	1.3E-05
2.0E-06	1.0E-03	7.6E-09	1.6E-01	5.5E-02	6.6E-11	2.7E+00	6.2E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-02	1.5E-10	2.7E+00	1.3E-05
2.0E-06	1.0E-03	7.3E-09	1.6E-01	5.5E-02	6.3E-11	2.7E+00	6.2E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-02	1.5E-10	2.7E+00	1.3E-05
2.0E-06	1.0E-03	7.0E-09	1.6E-01	5.5E-02	6.0E-11	2.6E+00	6.2E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-02	1.5E-10	2.6E+00	1.3E-05
2.0E-06	1.0E-03	6.7E-09	1.6E-01	5.5E-02	5.8E-11	2.6E+00	6.2E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-02	1.4E-10	2.6E+00	1.3E-05
2.0E-06	1.0E-03	6.4E-09	1.6E-01	5.5E-02	5.5E-11	2.5E+00	6.2E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-02	1.4E-10	2.5E+00	1.3E-05
2.0E-06	1.0E-03	6.0E-09	1.6E-01	5.5E-02	5.2E-11	2.4E+00	6.2E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-02	1.4E-10	2.4E+00	1.3E-05
2.0E-06	1.0E-03	5.7E-09	1.6E-01	5.5E-02	4.9E-11	2.3E+00	6.2E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-02	1.3E-10	2.3E+00	1.3E-05
2.0E-06	1.0E-03	5.4E-09	1.6E-01	5.5E-02	4.6E-11	2.3E+00	6.2E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-02	1.3E-10	2.3E+00	1.3E-05
2.0E-06	1.0E-03	5.1E-09	1.6E-01	5.5E-02	4.4E-11	2.2E+00	6.2E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10	2.2E+00	1.3E-05
2.0E-06	1.0E-03	4.8E-09	1.6E-01	5.5E-02	4.1E-11	2.1E+00	6.2E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10	2.1E+00	1.3E-05
2.0E-06	1.0E-03	4.5E-09	1.6E-01	5.5E-02	3.9E-11	2.0E+00	6.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10	2.0E+00	1.3E-05
2.0E-06	1.0E-03	4.2E-09	1.6E-01	5.5E-02	3.7E-11	1.9E+00	6.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.1E-10	1.9E+00	1.3E-05
2.0E-06	1.0E-03	4.0E-09	1.6E-01	5.5E-02	3.4E-11	1.8E+00	6.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.0E-10	1.8E+00	1.3E-05
2.0E-06	1.0E-03	6.0E-09	1.6E-01	5.5E-02	5.2E-11	1.8E+00	6.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.0E-10	1.8E+00	1.3E-05
2.0E-06	1.0E-03	6.3E-09	1.6E-01	5.5E-02	5.5E-11	1.9E+00	6.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.1E-10	1.9E+00	1.3E-05
2.0E-06	1.0E-03	6.7E-09	1.6E-01	5.5E-02	5.7E-11	2.0E+00	6.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10	2.0E+00	1.3E-05
2.0E-06	1.0E-03	6.9E-09	1.6E-01	5.5E-02	6.0E-11	2.1E+00	6.2E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10	2.1E+00	1.3E-05

2.0E-06	1.0E-03	7.2E-09	1.6E-01	5.5E-02	6.2E-11	2.2E+00	6.2E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10	2.2E+00	1.3E-05
2.0E-06	1.0E-03	7.4E-09	1.6E-01	5.5E-02	6.4E-11	2.2E+00	6.2E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-02	1.3E-10	2.2E+00	1.3E-05
2.0E-06	1.0E-03	7.5E-09	1.6E-01	5.5E-02	6.5E-11	2.3E+00	6.2E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-02	1.3E-10	2.3E+00	1.3E-05
2.0E-06	1.0E-03	7.6E-09	1.6E-01	5.5E-02	6.5E-11	2.4E+00	6.2E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-02	1.3E-10	2.4E+00	1.3E-05
2.0E-06	1.0E-03	7.6E-09	1.6E-01	5.5E-02	6.6E-11	2.4E+00	6.2E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-02	1.3E-10	2.4E+00	1.3E-05
2.0E-06	1.0E-03	7.6E-09	1.6E-01	5.5E-02	6.5E-11	2.4E+00	6.2E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-02	1.4E-10	2.4E+00	1.3E-05
2.0E-06	1.0E-03	7.5E-09	1.6E-01	5.5E-02	6.5E-11	2.5E+00	6.2E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-02	1.4E-10	2.5E+00	1.3E-05
2.0E-06	1.0E-03	7.3E-09	1.6E-01	5.5E-02	6.3E-11	2.5E+00	6.2E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-02	1.4E-10	2.5E+00	1.3E-05
2.0E-06	1.0E-03	7.2E-09	1.6E-01	5.5E-02	6.2E-11	2.5E+00	6.2E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-02	1.4E-10	2.5E+00	1.3E-05
2.0E-06	1.0E-03	7.0E-09	1.6E-01	5.5E-02	6.0E-11	2.5E+00	6.2E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-02	1.4E-10	2.5E+00	1.3E-05
2.0E-06	1.0E-03	6.7E-09	1.6E-01	5.5E-02	5.8E-11	2.4E+00	6.2E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-02	1.4E-10	2.4E+00	1.3E-05
2.0E-06	1.0E-03	6.5E-09	1.6E-01	5.5E-02	5.6E-11	2.4E+00	6.2E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-02	1.3E-10	2.4E+00	1.3E-05
2.0E-06	1.0E-03	6.2E-09	1.6E-01	5.5E-02	5.3E-11	2.4E+00	6.2E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-02	1.3E-10	2.4E+00	1.3E-05
2.0E-06	1.0E-03	5.9E-09	1.6E-01	5.5E-02	5.1E-11	2.3E+00	6.2E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-02	1.3E-10	2.3E+00	1.3E-05
2.0E-06	1.0E-03	5.6E-09	1.6E-01	5.5E-02	4.9E-11	2.3E+00	6.2E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-02	1.3E-10	2.3E+00	1.3E-05
2.0E-06	1.0E-03	5.3E-09	1.6E-01	5.5E-02	4.6E-11	2.2E+00	6.2E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10	2.2E+00	1.3E-05
2.0E-06	1.0E-03	5.1E-09	1.6E-01	5.5E-02	4.4E-11	2.1E+00	6.2E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10	2.1E+00	1.3E-05
2.0E-06	1.0E-03	4.8E-09	1.6E-01	5.5E-02	4.1E-11	2.0E+00	6.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10	2.0E+00	1.3E-05
2.0E-06	1.0E-03	4.5E-09	1.6E-01	5.5E-02	3.9E-11	2.0E+00	6.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10	2.0E+00	1.3E-05
2.0E-06	1.0E-03	4.3E-09	1.6E-01	5.5E-02	3.7E-11	1.9E+00	6.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.1E-10	1.9E+00	1.3E-05
2.0E-06	1.0E-03	4.1E-09	1.6E-01	5.5E-02	3.5E-11	1.8E+00	6.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.0E-10	1.8E+00	1.3E-05
2.0E-06	1.0E-03	3.8E-09	1.6E-01	5.5E-02	3.3E-11	1.7E+00	6.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.7E-11	1.7E+00	1.3E-05
2.0E-06	1.0E-03	5.5E-09	1.6E-01	5.5E-02	4.7E-11	1.7E+00	6.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.4E-11	1.7E+00	1.3E-05
2.0E-06	1.0E-03	5.7E-09	1.6E-01	5.5E-02	4.9E-11	1.8E+00	6.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.9E-11	1.8E+00	1.3E-05
2.0E-06	1.0E-03	6.0E-09	1.6E-01	5.5E-02	5.2E-11	1.8E+00	6.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.0E-10	1.8E+00	1.3E-05
2.0E-06	1.0E-03	6.2E-09	1.6E-01	5.5E-02	5.4E-11	1.9E+00	6.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.1E-10	1.9E+00	1.3E-05
2.0E-06	1.0E-03	6.5E-09	1.6E-01	5.5E-02	5.6E-11	2.0E+00	6.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10	2.0E+00	1.3E-05
2.0E-06	1.0E-03	6.6E-09	1.6E-01	5.5E-02	5.7E-11	2.1E+00	6.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10	2.1E+00	1.3E-05
2.0E-06	1.0E-03	6.8E-09	1.6E-01	5.5E-02	5.8E-11	2.1E+00	6.2E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10	2.1E+00	1.3E-05
2.0E-06	1.0E-03	6.8E-09	1.6E-01	5.5E-02	5.9E-11	2.2E+00	6.2E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10	2.2E+00	1.3E-05
2.0E-06	1.0E-03	6.9E-09	1.6E-01	5.5E-02	5.9E-11	2.2E+00	6.2E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10	2.2E+00	1.3E-05
2.0E-06	1.0E-03	6.8E-09	1.6E-01	5.5E-02	5.9E-11	2.2E+00	6.2E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-02	1.3E-10	2.2E+00	1.3E-05
2.0E-06	1.0E-03	6.8E-09	1.6E-01	5.5E-02	5.8E-11	2.3E+00	6.2E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-02	1.3E-10	2.3E+00	1.3E-05
2.0E-06	1.0E-03	6.7E-09	1.6E-01	5.5E-02	5.8E-11	2.3E+00	6.2E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-02	1.3E-10	2.3E+00	1.3E-05
2.0E-06	1.0E-03	6.5E-09	1.6E-01	5.5E-02	5.6E-11	2.3E+00	6.2E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-02	1.3E-10	2.3E+00	1.3E-05
2.0E-06	1.0E-03	6.4E-09	1.6E-01	5.5E-02	5.5E-11	2.3E+00	6.2E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-02	1.3E-10	2.3E+00	1.3E-05
2.0E-06	1.0E-03	6.2E-09	1.6E-01	5.5E-02	5.3E-11	2.3E+00	6.2E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-02	1.3E-10	2.3E+00	1.3E-05
2.0E-06	1.0E-03	6.0E-09	1.6E-01	5.5E-02	5.1E-11	2.2E+00	6.2E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10	2.2E+00	1.3E-05
2.0E-06	1.0E-03	5.8E-09	1.6E-01	5.5E-02	5.0E-11	2.2E+00	6.2E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10	2.2E+00	1.3E-05
2.0E-06	1.0E-03	5.5E-09	1.6E-01	5.5E-02	4.7E-11	2.2E+00	6.2E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10	2.2E+00	1.3E-05
2.0E-06	1.0E-03	5.3E-09	1.6E-01	5.5E-02	4.5E-11	2.1E+00	6.2E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10	2.1E+00	1.3E-05
2.0E-06	1.0E-03	5.0E-09	1.6E-01	5.5E-02	4.3E-11	2.0E+00	6.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10	2.0E+00	1.3E-05
2.0E-06	1.0E-03	4.8E-09	1.6E-01	5.5E-02	4.1E-11	2.0E+00	6.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10	2.0E+00	1.3E-05
2.0E-06	1.0E-03	4.5E-09	1.6E-01	5.5E-02	3.9E-11	1.9E+00	6.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10	1.9E+00	1.3E-05
2.0E-06	1.0E-03	4.3E-09	1.6E-01	5.5E-02	3.7E-11	1.9E+00	6.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.0E-10	1.9E+00	1.3E-05
2.0E-06	1.0E-03	4.1E-09	1.6E-01	5.5E-02	3.5E-11	1.8E+00	6.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.0E-10	1.8E+00	1.3E-05
2.0E-06	1.0E-03	3.9E-09	1.6E-01	5.5E-02	3.3E-11	1.7E+00	6.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.6E-11	1.7E+00	1.3E-05
2.0E-06	1.0E-03	3.7E-09	1.6E-01	5.5E-02	3.2E-11	1.7E+00	6.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.2E-11	1.7E+00	1.3E-05
2.0E-06	1.0E-03	5.0E-09	1.6E-01	5.5E-02	4.3E-11	1.6E+00	6.2E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-02	8.8E-11	1.6E+00	1.3E-05

2.0E-06	1.0E-03	5.2E-09	1.6E-01	5.5E-02	4.5E-11	1.6E+00	6.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.2E-11	1.6E+00	1.3E-05
2.0E-06	1.0E-03	5.4E-09	1.6E-01	5.5E-02	4.7E-11	1.7E+00	6.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.6E-11	1.7E+00	1.3E-05
2.0E-06	1.0E-03	5.6E-09	1.6E-01	5.5E-02	4.9E-11	1.8E+00	6.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	9.9E-11	1.8E+00	1.3E-05
2.0E-06	1.0E-03	5.8E-09	1.6E-01	5.5E-02	5.0E-11	1.8E+00	6.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.0E-10	1.8E+00	1.3E-05
2.0E-06	1.0E-03	6.0E-09	1.6E-01	5.5E-02	5.2E-11	1.9E+00	6.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.1E-10	1.9E+00	1.3E-05
2.0E-06	1.0E-03	6.1E-09	1.6E-01	5.5E-02	5.3E-11	2.0E+00	6.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10	2.0E+00	1.3E-05
2.0E-06	1.0E-03	6.2E-09	1.6E-01	5.5E-02	5.3E-11	2.0E+00	6.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10	2.0E+00	1.3E-05
2.0E-06	1.0E-03	6.2E-09	1.6E-01	5.5E-02	5.4E-11	2.0E+00	6.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10	2.0E+00	1.3E-05
2.0E-06	1.0E-03	6.2E-09	1.6E-01	5.5E-02	5.3E-11	2.1E+00	6.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.2E-10	2.1E+00	1.3E-05
2.0E-06	1.0E-03	6.2E-09	1.6E-01	5.5E-02	5.3E-11	2.1E+00	6.2E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10	2.1E+00	1.3E-05
2.0E-06	1.0E-03	6.1E-09	1.6E-01	5.5E-02	5.3E-11	2.1E+00	6.2E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10	2.1E+00	1.3E-05
2.0E-06	1.0E-03	6.0E-09	1.6E-01	5.5E-02	5.2E-11	2.1E+00	6.2E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10	2.1E+00	1.3E-05
2.0E-06	1.0E-03	5.9E-09	1.6E-01	5.5E-02	5.0E-11	2.1E+00	6.2E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10	2.1E+00	1.3E-05
2.0E-06	1.0E-03	5.7E-09	1.6E-01	5.5E-02	4.9E-11	2.1E+00	6.2E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10	2.1E+00	1.3E-05
2.0E-06	1.0E-03	5.5E-09	1.6E-01	5.5E-02	4.8E-11	2.1E+00	6.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.2E-10	2.1E+00	1.3E-05
2.0E-06	1.0E-03	5.3E-09	1.6E-01	5.5E-02	4.6E-11	2.0E+00	6.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10	2.0E+00	1.3E-05
2.0E-06	1.0E-03	5.1E-09	1.6E-01	5.5E-02	4.4E-11	2.0E+00	6.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10	2.0E+00	1.3E-05
2.0E-06	1.0E-03	4.9E-09	1.6E-01	5.5E-02	4.2E-11	2.0E+00	6.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10	2.0E+00	1.3E-05
2.0E-06	1.0E-03	4.7E-09	1.6E-01	5.5E-02	4.1E-11	1.9E+00	6.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.1E-10	1.9E+00	1.3E-05
2.0E-06	1.0E-03	4.5E-09	1.6E-01	5.5E-02	3.9E-11	1.9E+00	6.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.0E-10	1.9E+00	1.3E-05
2.0E-06	1.0E-03	4.3E-09	1.6E-01	5.5E-02	3.7E-11	1.8E+00	6.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.0E-10	1.8E+00	1.3E-05
2.0E-06	1.0E-03	4.1E-09	1.6E-01	5.5E-02	3.5E-11	1.8E+00	6.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.8E-11	1.8E+00	1.3E-05
2.0E-06	1.0E-03	3.9E-09	1.6E-01	5.5E-02	3.3E-11	1.7E+00	6.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.5E-11	1.7E+00	1.3E-05
2.0E-06	1.0E-03	3.7E-09	1.6E-01	5.5E-02	3.2E-11	1.6E+00	6.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.1E-11	1.6E+00	1.3E-05
2.0E-06	1.0E-03	3.5E-09	1.6E-01	5.5E-02	3.0E-11	1.6E+00	6.2E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-02	8.8E-11	1.6E+00	1.3E-05
2.0E-06	1.0E-03	4.6E-09	1.6E-01	5.5E-02	3.9E-11	1.5E+00	6.2E-06	1.0E-03	9.5E-09	1.6E-01	5.5E-02	8.2E-11	1.5E+00	1.3E-05
2.0E-06	1.0E-03	4.8E-09	1.6E-01	5.5E-02	4.1E-11	1.5E+00	6.2E-06	1.0E-03	9.9E-09	1.6E-01	5.5E-02	8.5E-11	1.5E+00	1.3E-05
2.0E-06	1.0E-03	5.0E-09	1.6E-01	5.5E-02	4.3E-11	1.6E+00	6.2E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-02	8.9E-11	1.6E+00	1.3E-05
2.0E-06	1.0E-03	5.1E-09	1.6E-01	5.5E-02	4.4E-11	1.6E+00	6.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.2E-11	1.6E+00	1.3E-05
2.0E-06	1.0E-03	5.3E-09	1.6E-01	5.5E-02	4.6E-11	1.7E+00	6.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.5E-11	1.7E+00	1.3E-05
2.0E-06	1.0E-03	5.4E-09	1.6E-01	5.5E-02	4.7E-11	1.8E+00	6.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.8E-11	1.8E+00	1.3E-05
2.0E-06	1.0E-03	5.5E-09	1.6E-01	5.5E-02	4.8E-11	1.8E+00	6.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.0E-10	1.8E+00	1.3E-05
2.0E-06	1.0E-03	5.6E-09	1.6E-01	5.5E-02	4.8E-11	1.8E+00	6.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.0E-10	1.8E+00	1.3E-05
2.0E-06	1.0E-03	5.7E-09	1.6E-01	5.5E-02	4.9E-11	1.9E+00	6.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.1E-10	1.9E+00	1.3E-05
2.0E-06	1.0E-03	5.7E-09	1.6E-01	5.5E-02	4.9E-11	1.9E+00	6.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.1E-10	1.9E+00	1.3E-05
2.0E-06	1.0E-03	5.6E-09	1.6E-01	5.5E-02	4.9E-11	1.9E+00	6.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10	1.9E+00	1.3E-05
2.0E-06	1.0E-03	5.6E-09	1.6E-01	5.5E-02	4.8E-11	1.9E+00	6.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10	1.9E+00	1.3E-05
2.0E-06	1.0E-03	5.5E-09	1.6E-01	5.5E-02	4.7E-11	2.0E+00	6.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10	2.0E+00	1.3E-05
2.0E-06	1.0E-03	5.4E-09	1.6E-01	5.5E-02	4.6E-11	2.0E+00	6.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10	2.0E+00	1.3E-05
2.0E-06	1.0E-03	5.3E-09	1.6E-01	5.5E-02	4.5E-11	1.9E+00	6.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10	1.9E+00	1.3E-05
2.0E-06	1.0E-03	5.1E-09	1.6E-01	5.5E-02	4.4E-11	1.9E+00	6.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10	1.9E+00	1.3E-05
2.0E-06	1.0E-03	5.0E-09	1.6E-01	5.5E-02	4.3E-11	1.9E+00	6.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.1E-10	1.9E+00	1.3E-05
2.0E-06	1.0E-03	4.8E-09	1.6E-01	5.5E-02	4.1E-11	1.9E+00	6.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.0E-10	1.9E+00	1.3E-05
2.0E-06	1.0E-03	4.6E-09	1.6E-01	5.5E-02	4.0E-11	1.8E+00	6.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.0E-10	1.8E+00	1.3E-05
2.0E-06	1.0E-03	4.4E-09	1.6E-01	5.5E-02	3.8E-11	1.8E+00	6.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.0E-10	1.8E+00	1.3E-05
2.0E-06	1.0E-03	4.2E-09	1.6E-01	5.5E-02	3.7E-11	1.8E+00	6.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.8E-11	1.8E+00	1.3E-05
2.0E-06	1.0E-03	4.1E-09	1.6E-01	5.5E-02	3.5E-11	1.7E+00	6.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.5E-11	1.7E+00	1.3E-05
2.0E-06	1.0E-03	3.9E-09	1.6E-01	5.5E-02	3.3E-11	1.7E+00	6.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.2E-11	1.7E+00	1.3E-05
2.0E-06	1.0E-03	3.7E-09	1.6E-01	5.5E-02	3.2E-11	1.6E+00	6.2E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-02	9.0E-11	1.6E+00	1.3E-05

2.0E-06	1.0E-03	3.5E-09	1.6E-01	5.5E-02	3.0E-11	1.6E+00	6.2E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-02	8.7E-11	1.6E+00	1.3E-05
2.0E-06	1.0E-03	3.4E-09	1.6E-01	5.5E-02	2.9E-11	1.5E+00	6.2E-06	1.0E-03	9.7E-09	1.6E-01	5.5E-02	8.4E-11	1.5E+00	1.3E-05
2.0E-06	1.0E-03	4.2E-09	1.6E-01	5.5E-02	3.6E-11	1.4E+00	6.2E-06	1.0E-03	8.9E-09	1.6E-01	5.5E-02	7.7E-11	1.4E+00	1.3E-05
2.0E-06	1.0E-03	4.4E-09	1.6E-01	5.5E-02	3.8E-11	1.4E+00	6.2E-06	1.0E-03	9.3E-09	1.6E-01	5.5E-02	8.0E-11	1.4E+00	1.3E-05
2.0E-06	1.0E-03	4.5E-09	1.6E-01	5.5E-02	3.9E-11	1.5E+00	6.2E-06	1.0E-03	9.6E-09	1.6E-01	5.5E-02	8.3E-11	1.5E+00	1.3E-05
2.0E-06	1.0E-03	4.7E-09	1.6E-01	5.5E-02	4.0E-11	1.5E+00	6.2E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-02	8.6E-11	1.5E+00	1.3E-05
2.0E-06	1.0E-03	4.8E-09	1.6E-01	5.5E-02	4.2E-11	1.6E+00	6.2E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-02	8.9E-11	1.6E+00	1.3E-05
2.0E-06	1.0E-03	5.0E-09	1.6E-01	5.5E-02	4.3E-11	1.6E+00	6.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.1E-11	1.6E+00	1.3E-05
2.0E-06	1.0E-03	5.1E-09	1.6E-01	5.5E-02	4.3E-11	1.7E+00	6.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.4E-11	1.7E+00	1.3E-05
2.0E-06	1.0E-03	5.1E-09	1.6E-01	5.5E-02	4.4E-11	1.7E+00	6.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.6E-11	1.7E+00	1.3E-05
2.0E-06	1.0E-03	5.2E-09	1.6E-01	5.5E-02	4.4E-11	1.7E+00	6.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.7E-11	1.7E+00	1.3E-05
2.0E-06	1.0E-03	5.2E-09	1.6E-01	5.5E-02	4.5E-11	1.8E+00	6.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.9E-11	1.8E+00	1.3E-05
2.0E-06	1.0E-03	5.2E-09	1.6E-01	5.5E-02	4.4E-11	1.8E+00	6.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.0E-10	1.8E+00	1.3E-05
2.0E-06	1.0E-03	5.1E-09	1.6E-01	5.5E-02	4.4E-11	1.8E+00	6.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.0E-10	1.8E+00	1.3E-05
2.0E-06	1.0E-03	5.1E-09	1.6E-01	5.5E-02	4.4E-11	1.8E+00	6.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.0E-10	1.8E+00	1.3E-05
2.0E-06	1.0E-03	5.0E-09	1.6E-01	5.5E-02	4.3E-11	1.8E+00	6.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.0E-10	1.8E+00	1.3E-05
2.0E-06	1.0E-03	4.9E-09	1.6E-01	5.5E-02	4.2E-11	1.8E+00	6.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.0E-10	1.8E+00	1.3E-05
2.0E-06	1.0E-03	4.8E-09	1.6E-01	5.5E-02	4.1E-11	1.8E+00	6.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.0E-10	1.8E+00	1.3E-05
2.0E-06	1.0E-03	4.6E-09	1.6E-01	5.5E-02	4.0E-11	1.8E+00	6.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	9.9E-11	1.8E+00	1.3E-05
2.0E-06	1.0E-03	4.5E-09	1.6E-01	5.5E-02	3.9E-11	1.8E+00	6.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.8E-11	1.8E+00	1.3E-05
2.0E-06	1.0E-03	4.3E-09	1.6E-01	5.5E-02	3.7E-11	1.7E+00	6.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.6E-11	1.7E+00	1.3E-05
2.0E-06	1.0E-03	4.2E-09	1.6E-01	5.5E-02	3.6E-11	1.7E+00	6.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.4E-11	1.7E+00	1.3E-05
2.0E-06	1.0E-03	4.0E-09	1.6E-01	5.5E-02	3.4E-11	1.6E+00	6.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.2E-11	1.6E+00	1.3E-05
2.0E-06	1.0E-03	3.8E-09	1.6E-01	5.5E-02	3.3E-11	1.6E+00	6.2E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-02	9.0E-11	1.6E+00	1.3E-05
2.0E-06	1.0E-03	3.7E-09	1.6E-01	5.5E-02	3.2E-11	1.6E+00	6.2E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-02	8.7E-11	1.6E+00	1.3E-05
2.0E-06	1.0E-03	3.5E-09	1.6E-01	5.5E-02	3.0E-11	1.5E+00	6.2E-06	1.0E-03	9.9E-09	1.6E-01	5.5E-02	8.5E-11	1.5E+00	1.3E-05
2.0E-06	1.0E-03	3.4E-09	1.6E-01	5.5E-02	2.9E-11	1.5E+00	6.2E-06	1.0E-03	9.6E-09	1.6E-01	5.5E-02	8.2E-11	1.5E+00	1.3E-05
2.0E-06	1.0E-03	3.2E-09	1.6E-01	5.5E-02	2.8E-11	1.4E+00	6.2E-06	1.0E-03	9.2E-09	1.6E-01	5.5E-02	8.0E-11	1.4E+00	1.3E-05

Franklin School Project

Risk From New Building Demo - Unmitigated Residential

Haul Route 1A

D1	Dose	R1	ED	Risk	Conc	g/sec
1.0E-03	4.5E-09	1.6E-01	5.5E-02	3.9E-11	3.9E+00	1.4E-06
1.0E-03	5.2E-09	1.6E-01	5.5E-02	4.5E-11	4.4E+00	1.4E-06
1.0E-03	6.0E-09	1.6E-01	5.5E-02	5.2E-11	4.7E+00	1.4E-06
1.0E-03	6.9E-09	1.6E-01	5.5E-02	5.9E-11	4.8E+00	1.4E-06
1.0E-03	7.7E-09	1.6E-01	5.5E-02	6.7E-11	4.8E+00	1.4E-06
1.0E-03	8.6E-09	1.6E-01	5.5E-02	7.4E-11	4.7E+00	1.4E-06
1.0E-03	9.4E-09	1.6E-01	5.5E-02	8.1E-11	4.3E+00	1.4E-06
1.0E-03	1.0E-08	1.6E-01	5.5E-02	8.8E-11	3.6E+00	1.4E-06
1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.6E-11	2.8E+00	1.4E-06
1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.1E-10	2.2E+00	1.4E-06
1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10	1.6E+00	1.4E-06
1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10	1.3E+00	1.4E-06
1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10	1.0E+00	1.4E-06
1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.2E-10	8.0E-01	1.4E-06
1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10	6.5E-01	1.4E-06
1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.0E-10	5.4E-01	1.4E-06
1.0E-03	5.2E-09	1.6E-01	5.5E-02	4.5E-11	8.3E+00	1.4E-06
1.0E-03	6.2E-09	1.6E-01	5.5E-02	5.3E-11	8.9E+00	1.4E-06
1.0E-03	7.4E-09	1.6E-01	5.5E-02	6.3E-11	9.3E+00	1.4E-06
1.0E-03	8.7E-09	1.6E-01	5.5E-02	7.5E-11	9.5E+00	1.4E-06
1.0E-03	1.0E-08	1.6E-01	5.5E-02	8.7E-11	9.4E+00	1.4E-06
1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.0E-10	9.0E+00	1.4E-06
1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10	7.7E+00	1.4E-06
1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10	5.3E+00	1.4E-06
1.0E-03	1.6E-08	1.6E-01	5.5E-02	1.4E-10	3.4E+00	1.4E-06
1.0E-03	1.8E-08	1.6E-01	5.5E-02	1.5E-10	2.3E+00	1.4E-06
1.0E-03	1.9E-08	1.6E-01	5.5E-02	1.6E-10	1.7E+00	1.4E-06
1.0E-03	1.9E-08	1.6E-01	5.5E-02	1.6E-10	1.2E+00	1.4E-06
1.0E-03	1.8E-08	1.6E-01	5.5E-02	1.6E-10	9.4E-01	1.4E-06
1.0E-03	1.7E-08	1.6E-01	5.5E-02	1.5E-10	7.5E-01	1.4E-06
1.0E-03	1.5E-08	1.6E-01	5.5E-02	1.3E-10	6.1E-01	1.4E-06
1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10	5.0E-01	1.4E-06
1.0E-03	6.1E-09	1.6E-01	5.5E-02	5.2E-11	6.9E+00	1.4E-06
1.0E-03	7.4E-09	1.6E-01	5.5E-02	6.4E-11	1.1E+01	1.4E-06
1.0E-03	9.1E-09	1.6E-01	5.5E-02	7.9E-11	6.2E+00	1.4E-06
1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.7E-11	6.1E+00	1.4E-06
1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10	6.0E+00	1.4E-06
1.0E-03	1.6E-08	1.6E-01	5.5E-02	1.4E-10	5.4E+00	1.4E-06
1.0E-03	1.9E-08	1.6E-01	5.5E-02	1.6E-10	6.2E+00	1.4E-06
1.0E-03	2.2E-08	1.6E-01	5.5E-02	1.9E-10	7.1E+00	1.4E-06
1.0E-03	2.5E-08	1.6E-01	5.5E-02	2.1E-10	3.6E+00	1.4E-06
1.0E-03	2.7E-08	1.6E-01	5.5E-02	2.4E-10	2.2E+00	1.4E-06
1.0E-03	2.8E-08	1.6E-01	5.5E-02	2.4E-10	1.5E+00	1.4E-06

Haul Route 2A

D1	Dose	R1	ED	Risk
1.0E-03	5.6E-09	1.6E-01	5.5E-02	4.8E-11
1.0E-03	6.2E-09	1.6E-01	5.5E-02	5.4E-11
1.0E-03	6.7E-09	1.6E-01	5.5E-02	5.8E-11
1.0E-03	6.9E-09	1.6E-01	5.5E-02	5.9E-11
1.0E-03	6.9E-09	1.6E-01	5.5E-02	6.0E-11
1.0E-03	6.7E-09	1.6E-01	5.5E-02	5.8E-11
1.0E-03	6.1E-09	1.6E-01	5.5E-02	5.3E-11
1.0E-03	5.2E-09	1.6E-01	5.5E-02	4.4E-11
1.0E-03	4.0E-09	1.6E-01	5.5E-02	3.5E-11
1.0E-03	3.1E-09	1.6E-01	5.5E-02	2.7E-11
1.0E-03	2.4E-09	1.6E-01	5.5E-02	2.0E-11
1.0E-03	1.8E-09	1.6E-01	5.5E-02	1.6E-11
1.0E-03	1.4E-09	1.6E-01	5.5E-02	1.2E-11
1.0E-03	1.1E-09	1.6E-01	5.5E-02	9.9E-12
1.0E-03	9.3E-10	1.6E-01	5.5E-02	8.0E-12
1.0E-03	7.7E-10	1.6E-01	5.5E-02	6.7E-12
1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.0E-10
1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10
1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10
1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10
1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10
1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10
1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.5E-11
1.0E-03	7.6E-09	1.6E-01	5.5E-02	6.5E-11
1.0E-03	4.9E-09	1.6E-01	5.5E-02	4.3E-11
1.0E-03	3.3E-09	1.6E-01	5.5E-02	2.9E-11
1.0E-03	2.4E-09	1.6E-01	5.5E-02	2.0E-11
1.0E-03	1.8E-09	1.6E-01	5.5E-02	1.5E-11
1.0E-03	1.4E-09	1.6E-01	5.5E-02	1.2E-11
1.0E-03	1.1E-09	1.6E-01	5.5E-02	9.2E-12
1.0E-03	8.7E-10	1.6E-01	5.5E-02	7.5E-12
1.0E-03	7.2E-10	1.6E-01	5.5E-02	6.2E-12
1.0E-03	9.8E-09	1.6E-01	5.5E-02	8.5E-11
1.0E-03	1.6E-08	1.6E-01	5.5E-02	1.4E-10
1.0E-03	8.8E-09	1.6E-01	5.5E-02	7.6E-11
1.0E-03	8.8E-09	1.6E-01	5.5E-02	7.6E-11
1.0E-03	8.6E-09	1.6E-01	5.5E-02	7.4E-11
1.0E-03	7.7E-09	1.6E-01	5.5E-02	6.6E-11
1.0E-03	8.8E-09	1.6E-01	5.5E-02	7.6E-11
1.0E-03	1.0E-08	1.6E-01	5.5E-02	8.8E-11
1.0E-03	5.2E-09	1.6E-01	5.5E-02	4.5E-11
1.0E-03	3.2E-09	1.6E-01	5.5E-02	2.7E-11
1.0E-03	2.2E-09	1.6E-01	5.5E-02	1.9E-11

1.0E-03	2.7E-08	1.6E-01	5.5E-02	2.3E-10	1.1E+00	1.4E-06	1.0E-03	1.6E-09	1.6E-01	5.5E-02	1.4E-11
1.0E-03	2.4E-08	1.6E-01	5.5E-02	2.1E-10	8.5E-01	1.4E-06	1.0E-03	1.2E-09	1.6E-01	5.5E-02	1.0E-11
1.0E-03	2.1E-08	1.6E-01	5.5E-02	1.8E-10	6.7E-01	1.4E-06	1.0E-03	9.6E-10	1.6E-01	5.5E-02	8.3E-12
1.0E-03	1.8E-08	1.6E-01	5.5E-02	1.5E-10	5.4E-01	1.4E-06	1.0E-03	7.8E-10	1.6E-01	5.5E-02	6.7E-12
1.0E-03	1.5E-08	1.6E-01	5.5E-02	1.3E-10	4.5E-01	1.4E-06	1.0E-03	6.5E-10	1.6E-01	5.5E-02	5.6E-12
1.0E-03	7.0E-09	1.6E-01	5.5E-02	6.0E-11	6.3E+00	1.4E-06	1.0E-03	9.1E-09	1.6E-01	5.5E-02	7.8E-11
1.0E-03	8.8E-09	1.6E-01	5.5E-02	7.6E-11	1.0E+01	1.4E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-02	1.3E-10
1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.8E-11	5.6E+00	1.4E-06	1.0E-03	8.1E-09	1.6E-01	5.5E-02	6.9E-11
1.0E-03	1.5E-08	1.6E-01	5.5E-02	1.3E-10	5.5E+00	1.4E-06	1.0E-03	7.9E-09	1.6E-01	5.5E-02	6.8E-11
1.0E-03	2.0E-08	1.6E-01	5.5E-02	1.7E-10	5.3E+00	1.4E-06	1.0E-03	7.5E-09	1.6E-01	5.5E-02	6.5E-11
1.0E-03	2.5E-08	1.6E-01	5.5E-02	2.2E-10	4.5E+00	1.4E-06	1.0E-03	6.5E-09	1.6E-01	5.5E-02	5.6E-11
1.0E-03	3.1E-08	1.6E-01	5.5E-02	2.7E-10	5.2E+00	1.4E-06	1.0E-03	7.5E-09	1.6E-01	5.5E-02	6.4E-11
1.0E-03	3.7E-08	1.6E-01	5.5E-02	3.2E-10	6.0E+00	1.4E-06	1.0E-03	8.6E-09	1.6E-01	5.5E-02	7.4E-11
1.0E-03	4.3E-08	1.6E-01	5.5E-02	3.7E-10	3.0E+00	1.4E-06	1.0E-03	4.3E-09	1.6E-01	5.5E-02	3.7E-11
1.0E-03	4.5E-08	1.6E-01	5.5E-02	3.8E-10	1.9E+00	1.4E-06	1.0E-03	2.7E-09	1.6E-01	5.5E-02	2.3E-11
1.0E-03	4.2E-08	1.6E-01	5.5E-02	3.6E-10	1.3E+00	1.4E-06	1.0E-03	1.9E-09	1.6E-01	5.5E-02	1.6E-11
1.0E-03	3.6E-08	1.6E-01	5.5E-02	3.1E-10	9.5E-01	1.4E-06	1.0E-03	1.4E-09	1.6E-01	5.5E-02	1.2E-11
1.0E-03	3.0E-08	1.6E-01	5.5E-02	2.6E-10	7.4E-01	1.4E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-02	9.1E-12
1.0E-03	2.4E-08	1.6E-01	5.5E-02	2.1E-10	5.9E-01	1.4E-06	1.0E-03	8.4E-10	1.6E-01	5.5E-02	7.3E-12
1.0E-03	2.0E-08	1.6E-01	5.5E-02	1.7E-10	4.8E-01	1.4E-06	1.0E-03	6.9E-10	1.6E-01	5.5E-02	6.0E-12
1.0E-03	1.6E-08	1.6E-01	5.5E-02	1.4E-10	4.0E-01	1.4E-06	1.0E-03	5.8E-10	1.6E-01	5.5E-02	5.0E-12
1.0E-03	7.9E-09	1.6E-01	5.5E-02	6.8E-11	7.0E+00	1.4E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-02	8.6E-11
1.0E-03	1.0E-08	1.6E-01	5.5E-02	8.9E-11	7.3E+00	1.4E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-02	9.0E-11
1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10	7.4E+00	1.4E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.1E-11
1.0E-03	2.0E-08	1.6E-01	5.5E-02	1.7E-10	7.3E+00	1.4E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-02	9.0E-11
1.0E-03	3.0E-08	1.6E-01	5.5E-02	2.6E-10	7.0E+00	1.4E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-02	8.7E-11
1.0E-03	4.4E-08	1.6E-01	5.5E-02	3.7E-10	6.4E+00	1.4E-06	1.0E-03	9.2E-09	1.6E-01	5.5E-02	7.9E-11
1.0E-03	5.9E-08	1.6E-01	5.5E-02	5.1E-10	5.2E+00	1.4E-06	1.0E-03	7.4E-09	1.6E-01	5.5E-02	6.4E-11
1.0E-03	7.5E-08	1.6E-01	5.5E-02	6.5E-10	3.4E+00	1.4E-06	1.0E-03	4.9E-09	1.6E-01	5.5E-02	4.2E-11
1.0E-03	8.3E-08	1.6E-01	5.5E-02	7.1E-10	2.2E+00	1.4E-06	1.0E-03	3.2E-09	1.6E-01	5.5E-02	2.7E-11
1.0E-03	7.5E-08	1.6E-01	5.5E-02	6.4E-10	1.5E+00	1.4E-06	1.0E-03	2.1E-09	1.6E-01	5.5E-02	1.8E-11
1.0E-03	6.0E-08	1.6E-01	5.5E-02	5.2E-10	1.1E+00	1.4E-06	1.0E-03	1.5E-09	1.6E-01	5.5E-02	1.3E-11
1.0E-03	4.6E-08	1.6E-01	5.5E-02	4.0E-10	8.2E-01	1.4E-06	1.0E-03	1.2E-09	1.6E-01	5.5E-02	1.0E-11
1.0E-03	3.5E-08	1.6E-01	5.5E-02	3.0E-10	6.4E-01	1.4E-06	1.0E-03	9.2E-10	1.6E-01	5.5E-02	7.9E-12
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1.0E-03	2.1E-08	1.6E-01	5.5E-02	1.8E-10	4.3E-01	1.4E-06	1.0E-03	6.2E-10	1.6E-01	5.5E-02	5.3E-12
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1.0E-03	8.6E-09	1.6E-01	5.5E-02	7.4E-11	3.5E+00	1.4E-06	1.0E-03	5.1E-09	1.6E-01	5.5E-02	4.4E-11
1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.0E-10	3.8E+00	1.4E-06	1.0E-03	5.4E-09	1.6E-01	5.5E-02	4.6E-11
1.0E-03	1.7E-08	1.6E-01	5.5E-02	1.5E-10	3.8E+00	1.4E-06	1.0E-03	5.5E-09	1.6E-01	5.5E-02	4.7E-11
1.0E-03	2.7E-08	1.6E-01	5.5E-02	2.3E-10	3.8E+00	1.4E-06	1.0E-03	5.5E-09	1.6E-01	5.5E-02	4.7E-11
1.0E-03	4.6E-08	1.6E-01	5.5E-02	4.0E-10	3.7E+00	1.4E-06	1.0E-03	5.3E-09	1.6E-01	5.5E-02	4.5E-11
1.0E-03	8.6E-08	1.6E-01	5.5E-02	7.4E-10	3.4E+00	1.4E-06	1.0E-03	4.8E-09	1.6E-01	5.5E-02	4.2E-11
1.0E-03	1.5E-07	1.6E-01	5.5E-02	1.3E-09	2.9E+00	1.4E-06	1.0E-03	4.1E-09	1.6E-01	5.5E-02	3.5E-11
1.0E-03	2.0E-07	1.6E-01	5.5E-02	1.7E-09	2.2E+00	1.4E-06	1.0E-03	3.2E-09	1.6E-01	5.5E-02	2.7E-11
1.0E-03	1.7E-07	1.6E-01	5.5E-02	1.5E-09	1.6E+00	1.4E-06	1.0E-03	2.4E-09	1.6E-01	5.5E-02	2.0E-11
1.0E-03	1.2E-07	1.6E-01	5.5E-02	1.0E-09	1.2E+00	1.4E-06	1.0E-03	1.7E-09	1.6E-01	5.5E-02	1.5E-11
1.0E-03	7.6E-08	1.6E-01	5.5E-02	6.6E-10	9.1E-01	1.4E-06	1.0E-03	1.3E-09	1.6E-01	5.5E-02	1.1E-11
1.0E-03	5.2E-08	1.6E-01	5.5E-02	4.5E-10	7.1E-01	1.4E-06	1.0E-03	1.0E-09	1.6E-01	5.5E-02	8.7E-12

1.0E-03	3.6E-08	1.6E-01	5.5E-02	3.1E-10	5.7E-01	1.4E-06	1.0E-03	8.1E-10	1.6E-01	5.5E-02	7.0E-12
1.0E-03	2.6E-08	1.6E-01	5.5E-02	2.3E-10	4.7E-01	1.4E-06	1.0E-03	6.7E-10	1.6E-01	5.5E-02	5.8E-12
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1.0E-03	1.5E-08	1.6E-01	5.5E-02	1.3E-10	3.3E-01	1.4E-06	1.0E-03	4.7E-10	1.6E-01	5.5E-02	4.1E-12
1.0E-03	9.0E-09	1.6E-01	5.5E-02	7.8E-11	2.2E+00	1.4E-06	1.0E-03	3.1E-09	1.6E-01	5.5E-02	2.7E-11
1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10	2.4E+00	1.4E-06	1.0E-03	3.4E-09	1.6E-01	5.5E-02	2.9E-11
1.0E-03	1.9E-08	1.6E-01	5.5E-02	1.7E-10	2.4E+00	1.4E-06	1.0E-03	3.5E-09	1.6E-01	5.5E-02	3.0E-11
1.0E-03	3.3E-08	1.6E-01	5.5E-02	2.8E-10	2.4E+00	1.4E-06	1.0E-03	3.5E-09	1.6E-01	5.5E-02	3.0E-11
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1.0E-03	8.1E-07	1.6E-01	5.5E-02	6.9E-09	1.6E+00	1.4E-06	1.0E-03	2.3E-09	1.6E-01	5.5E-02	2.0E-11
1.0E-03	3.2E-07	1.6E-01	5.5E-02	2.7E-09	1.3E+00	1.4E-06	1.0E-03	1.8E-09	1.6E-01	5.5E-02	1.6E-11
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1.0E-03	9.1E-09	1.6E-01	5.5E-02	7.9E-11	1.5E+00	1.4E-06	1.0E-03	2.1E-09	1.6E-01	5.5E-02	1.9E-11
1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10	1.6E+00	1.4E-06	1.0E-03	2.3E-09	1.6E-01	5.5E-02	2.0E-11
1.0E-03	2.0E-08	1.6E-01	5.5E-02	1.7E-10	1.7E+00	1.4E-06	1.0E-03	2.4E-09	1.6E-01	5.5E-02	2.1E-11
1.0E-03	3.4E-08	1.6E-01	5.5E-02	2.9E-10	1.7E+00	1.4E-06	1.0E-03	2.4E-09	1.6E-01	5.5E-02	2.1E-11
1.0E-03	7.3E-08	1.6E-01	5.5E-02	6.3E-10	1.7E+00	1.4E-06	1.0E-03	2.4E-09	1.6E-01	5.5E-02	2.1E-11
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1.0E-03	6.8E-08	1.6E-01	5.5E-02	5.9E-10	6.9E-01	1.4E-06	1.0E-03	9.9E-10	1.6E-01	5.5E-02	8.5E-12
1.0E-03	4.2E-08	1.6E-01	5.5E-02	3.6E-10	5.7E-01	1.4E-06	1.0E-03	8.1E-10	1.6E-01	5.5E-02	7.0E-12
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1.0E-03	1.5E-08	1.6E-01	5.5E-02	1.3E-10	3.3E-01	1.4E-06	1.0E-03	4.8E-10	1.6E-01	5.5E-02	4.1E-12
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1.0E-03	8.8E-09	1.6E-01	5.5E-02	7.6E-11	1.1E+00	1.4E-06	1.0E-03	1.6E-09	1.6E-01	5.5E-02	1.3E-11
1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.0E-10	1.2E+00	1.4E-06	1.0E-03	1.7E-09	1.6E-01	5.5E-02	1.5E-11
1.0E-03	1.8E-08	1.6E-01	5.5E-02	1.6E-10	1.2E+00	1.4E-06	1.0E-03	1.8E-09	1.6E-01	5.5E-02	1.5E-11
1.0E-03	3.0E-08	1.6E-01	5.5E-02	2.5E-10	1.3E+00	1.4E-06	1.0E-03	1.8E-09	1.6E-01	5.5E-02	1.5E-11
1.0E-03	5.4E-08	1.6E-01	5.5E-02	4.7E-10	1.2E+00	1.4E-06	1.0E-03	1.8E-09	1.6E-01	5.5E-02	1.5E-11
1.0E-03	8.6E-08	1.6E-01	5.5E-02	7.4E-10	7.2E-01	1.4E-06	1.0E-03	1.0E-09	1.6E-01	5.5E-02	8.9E-12
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1.0E-03	3.3E-08	1.6E-01	5.5E-02	2.9E-10	5.1E-01	1.4E-06	1.0E-03	7.3E-10	1.6E-01	5.5E-02	6.3E-12
1.0E-03	2.4E-08	1.6E-01	5.5E-02	2.0E-10	4.3E-01	1.4E-06	1.0E-03	6.2E-10	1.6E-01	5.5E-02	5.3E-12
1.0E-03	1.7E-08	1.6E-01	5.5E-02	1.5E-10	3.7E-01	1.4E-06	1.0E-03	5.3E-10	1.6E-01	5.5E-02	4.5E-12
1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10	3.1E-01	1.4E-06	1.0E-03	4.5E-10	1.6E-01	5.5E-02	3.9E-12
1.0E-03	1.0E-08	1.6E-01	5.5E-02	9.0E-11	2.7E-01	1.4E-06	1.0E-03	3.9E-10	1.6E-01	5.5E-02	3.4E-12
1.0E-03	8.1E-09	1.6E-01	5.5E-02	7.0E-11	8.3E-01	1.4E-06	1.0E-03	1.2E-09	1.6E-01	5.5E-02	1.0E-11
1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.4E-11	9.0E-01	1.4E-06	1.0E-03	1.3E-09	1.6E-01	5.5E-02	1.1E-11
1.0E-03	1.5E-08	1.6E-01	5.5E-02	1.3E-10	9.4E-01	1.4E-06	1.0E-03	1.3E-09	1.6E-01	5.5E-02	1.2E-11
1.0E-03	2.3E-08	1.6E-01	5.5E-02	2.0E-10	9.6E-01	1.4E-06	1.0E-03	1.4E-09	1.6E-01	5.5E-02	1.2E-11
1.0E-03	3.6E-08	1.6E-01	5.5E-02	3.1E-10	9.6E-01	1.4E-06	1.0E-03	1.4E-09	1.6E-01	5.5E-02	1.2E-11

1.0E-03	5.6E-08	1.6E-01	5.5E-02	4.8E-10	6.1E-01	1.4E-06	1.0E-03	8.8E-10	1.6E-01	5.5E-02	7.6E-12
1.0E-03	3.8E-08	1.6E-01	5.5E-02	3.3E-10	5.3E-01	1.4E-06	1.0E-03	7.6E-10	1.6E-01	5.5E-02	6.5E-12
1.0E-03	2.7E-08	1.6E-01	5.5E-02	2.3E-10	4.6E-01	1.4E-06	1.0E-03	6.5E-10	1.6E-01	5.5E-02	5.6E-12
1.0E-03	2.0E-08	1.6E-01	5.5E-02	1.7E-10	4.0E-01	1.4E-06	1.0E-03	5.7E-10	1.6E-01	5.5E-02	4.9E-12
1.0E-03	1.5E-08	1.6E-01	5.5E-02	1.3E-10	3.4E-01	1.4E-06	1.0E-03	4.9E-10	1.6E-01	5.5E-02	4.2E-12
1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.0E-10	3.0E-01	1.4E-06	1.0E-03	4.2E-10	1.6E-01	5.5E-02	3.6E-12
1.0E-03	9.2E-09	1.6E-01	5.5E-02	7.9E-11	2.6E-01	1.4E-06	1.0E-03	3.7E-10	1.6E-01	5.5E-02	3.2E-12
1.0E-03	7.2E-09	1.6E-01	5.5E-02	6.2E-11	6.5E-01	1.4E-06	1.0E-03	9.4E-10	1.6E-01	5.5E-02	8.1E-12
1.0E-03	9.3E-09	1.6E-01	5.5E-02	8.0E-11	7.0E-01	1.4E-06	1.0E-03	1.0E-09	1.6E-01	5.5E-02	8.7E-12
1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10	7.4E-01	1.4E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-02	9.1E-12
1.0E-03	1.7E-08	1.6E-01	5.5E-02	1.5E-10	7.6E-01	1.4E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-02	9.4E-12
1.0E-03	2.5E-08	1.6E-01	5.5E-02	2.1E-10	7.6E-01	1.4E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-02	9.4E-12
1.0E-03	4.0E-08	1.6E-01	5.5E-02	3.4E-10	5.3E-01	1.4E-06	1.0E-03	7.6E-10	1.6E-01	5.5E-02	6.6E-12
1.0E-03	2.9E-08	1.6E-01	5.5E-02	2.5E-10	4.7E-01	1.4E-06	1.0E-03	6.7E-10	1.6E-01	5.5E-02	5.8E-12
1.0E-03	2.2E-08	1.6E-01	5.5E-02	1.9E-10	4.1E-01	1.4E-06	1.0E-03	5.8E-10	1.6E-01	5.5E-02	5.0E-12
1.0E-03	1.7E-08	1.6E-01	5.5E-02	1.5E-10	3.6E-01	1.4E-06	1.0E-03	5.2E-10	1.6E-01	5.5E-02	4.5E-12
1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10	3.2E-01	1.4E-06	1.0E-03	4.5E-10	1.6E-01	5.5E-02	3.9E-12
1.0E-03	1.0E-08	1.6E-01	5.5E-02	8.9E-11	2.8E-01	1.4E-06	1.0E-03	4.0E-10	1.6E-01	5.5E-02	3.4E-12
1.0E-03	8.3E-09	1.6E-01	5.5E-02	7.2E-11	2.4E-01	1.4E-06	1.0E-03	3.5E-10	1.6E-01	5.5E-02	3.0E-12
1.0E-03	6.3E-09	1.6E-01	5.5E-02	5.4E-11	5.3E-01	1.4E-06	1.0E-03	7.6E-10	1.6E-01	5.5E-02	6.5E-12
1.0E-03	7.9E-09	1.6E-01	5.5E-02	6.8E-11	5.7E-01	1.4E-06	1.0E-03	8.1E-10	1.6E-01	5.5E-02	7.0E-12
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1.0E-03	2.4E-08	1.6E-01	5.5E-02	2.1E-10	6.1E-01	1.4E-06	1.0E-03	8.7E-10	1.6E-01	5.5E-02	7.5E-12
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1.0E-03	4.4E-09	1.6E-01	5.5E-02	3.8E-11	2.6E-01	1.4E-06	1.0E-03	3.7E-10	1.6E-01	5.5E-02	3.2E-12
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1.0E-03	7.1E-09	1.6E-01	5.5E-02	6.1E-11	2.7E-01	1.4E-06	1.0E-03	3.8E-10	1.6E-01	5.5E-02	3.3E-12
1.0E-03	7.5E-09	1.6E-01	5.5E-02	6.5E-11	2.6E-01	1.4E-06	1.0E-03	3.8E-10	1.6E-01	5.5E-02	3.2E-12
1.0E-03	7.7E-09	1.6E-01	5.5E-02	6.7E-11	2.5E-01	1.4E-06	1.0E-03	3.6E-10	1.6E-01	5.5E-02	3.1E-12
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1.0E-03	7.5E-09	1.6E-01	5.5E-02	6.4E-11	2.3E-01	1.4E-06	1.0E-03	3.3E-10	1.6E-01	5.5E-02	2.9E-12
1.0E-03	7.1E-09	1.6E-01	5.5E-02	6.1E-11	2.2E-01	1.4E-06	1.0E-03	3.2E-10	1.6E-01	5.5E-02	2.7E-12
1.0E-03	6.6E-09	1.6E-01	5.5E-02	5.7E-11	2.1E-01	1.4E-06	1.0E-03	3.0E-10	1.6E-01	5.5E-02	2.6E-12
1.0E-03	6.1E-09	1.6E-01	5.5E-02	5.2E-11	1.9E-01	1.4E-06	1.0E-03	2.8E-10	1.6E-01	5.5E-02	2.4E-12
1.0E-03	5.4E-09	1.6E-01	5.5E-02	4.6E-11	1.8E-01	1.4E-06	1.0E-03	2.6E-10	1.6E-01	5.5E-02	2.2E-12
1.0E-03	4.6E-09	1.6E-01	5.5E-02	3.9E-11	1.6E-01	1.4E-06	1.0E-03	2.3E-10	1.6E-01	5.5E-02	2.0E-12
1.0E-03	3.0E-09	1.6E-01	5.5E-02	2.6E-11	2.1E-01	1.4E-06	1.0E-03	3.0E-10	1.6E-01	5.5E-02	2.6E-12
1.0E-03	3.4E-09	1.6E-01	5.5E-02	2.9E-11	2.2E-01	1.4E-06	1.0E-03	3.1E-10	1.6E-01	5.5E-02	2.7E-12
1.0E-03	3.8E-09	1.6E-01	5.5E-02	3.3E-11	2.3E-01	1.4E-06	1.0E-03	3.3E-10	1.6E-01	5.5E-02	2.8E-12
1.0E-03	4.3E-09	1.6E-01	5.5E-02	3.7E-11	2.3E-01	1.4E-06	1.0E-03	3.3E-10	1.6E-01	5.5E-02	2.9E-12
1.0E-03	4.9E-09	1.6E-01	5.5E-02	4.2E-11	2.4E-01	1.4E-06	1.0E-03	3.4E-10	1.6E-01	5.5E-02	2.9E-12
1.0E-03	5.4E-09	1.6E-01	5.5E-02	4.6E-11	2.4E-01	1.4E-06	1.0E-03	3.4E-10	1.6E-01	5.5E-02	2.9E-12
1.0E-03	5.8E-09	1.6E-01	5.5E-02	5.0E-11	2.4E-01	1.4E-06	1.0E-03	3.4E-10	1.6E-01	5.5E-02	2.9E-12
1.0E-03	6.2E-09	1.6E-01	5.5E-02	5.3E-11	2.3E-01	1.4E-06	1.0E-03	3.3E-10	1.6E-01	5.5E-02	2.9E-12
1.0E-03	6.3E-09	1.6E-01	5.5E-02	5.5E-11	2.3E-01	1.4E-06	1.0E-03	3.2E-10	1.6E-01	5.5E-02	2.8E-12
1.0E-03	6.4E-09	1.6E-01	5.5E-02	5.5E-11	2.2E-01	1.4E-06	1.0E-03	3.1E-10	1.6E-01	5.5E-02	2.7E-12
1.0E-03	6.2E-09	1.6E-01	5.5E-02	5.4E-11	2.1E-01	1.4E-06	1.0E-03	3.0E-10	1.6E-01	5.5E-02	2.6E-12
1.0E-03	6.0E-09	1.6E-01	5.5E-02	5.2E-11	2.0E-01	1.4E-06	1.0E-03	2.9E-10	1.6E-01	5.5E-02	2.5E-12
1.0E-03	5.7E-09	1.6E-01	5.5E-02	4.9E-11	1.9E-01	1.4E-06	1.0E-03	2.7E-10	1.6E-01	5.5E-02	2.3E-12
1.0E-03	5.3E-09	1.6E-01	5.5E-02	4.5E-11	1.8E-01	1.4E-06	1.0E-03	2.6E-10	1.6E-01	5.5E-02	2.2E-12
1.0E-03	4.8E-09	1.6E-01	5.5E-02	4.1E-11	1.7E-01	1.4E-06	1.0E-03	2.4E-10	1.6E-01	5.5E-02	2.1E-12
1.0E-03	4.2E-09	1.6E-01	5.5E-02	3.6E-11	1.5E-01	1.4E-06	1.0E-03	2.2E-10	1.6E-01	5.5E-02	1.9E-12
1.0E-03	1.9E-07	1.6E-01	5.5E-02	1.6E-09	2.2E+00	1.4E-06	1.0E-03	3.1E-09	1.6E-01	5.5E-02	2.7E-11
1.0E-03	2.4E-07	1.6E-01	5.5E-02	2.1E-09	2.2E+00	1.4E-06	1.0E-03	3.1E-09	1.6E-01	5.5E-02	2.7E-11
1.0E-03	3.2E-07	1.6E-01	5.5E-02	2.8E-09	2.1E+00	1.4E-06	1.0E-03	3.0E-09	1.6E-01	5.5E-02	2.6E-11
1.0E-03	4.3E-07	1.6E-01	5.5E-02	3.7E-09	2.1E+00	1.4E-06	1.0E-03	2.9E-09	1.6E-01	5.5E-02	2.5E-11
1.0E-03	5.7E-07	1.6E-01	5.5E-02	4.9E-09	2.0E+00	1.4E-06	1.0E-03	2.9E-09	1.6E-01	5.5E-02	2.5E-11
1.0E-03	7.2E-07	1.6E-01	5.5E-02	6.2E-09	1.9E+00	1.4E-06	1.0E-03	2.8E-09	1.6E-01	5.5E-02	2.4E-11
1.0E-03	8.4E-07	1.6E-01	5.5E-02	7.2E-09	1.9E+00	1.4E-06	1.0E-03	2.7E-09	1.6E-01	5.5E-02	2.3E-11
1.0E-03	9.1E-07	1.6E-01	5.5E-02	7.8E-09	1.8E+00	1.4E-06	1.0E-03	2.6E-09	1.6E-01	5.5E-02	2.2E-11
1.0E-03	9.3E-07	1.6E-01	5.5E-02	8.0E-09	1.7E+00	1.4E-06	1.0E-03	2.5E-09	1.6E-01	5.5E-02	2.2E-11
1.0E-03	9.0E-07	1.6E-01	5.5E-02	7.8E-09	1.7E+00	1.4E-06	1.0E-03	2.4E-09	1.6E-01	5.5E-02	2.1E-11
1.0E-03	8.1E-07	1.6E-01	5.5E-02	6.9E-09	1.6E+00	1.4E-06	1.0E-03	2.3E-09	1.6E-01	5.5E-02	2.0E-11
1.0E-03	6.8E-07	1.6E-01	5.5E-02	5.9E-09	1.5E+00	1.4E-06	1.0E-03	2.2E-09	1.6E-01	5.5E-02	1.9E-11
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1.0E-03	4.6E-07	1.6E-01	5.5E-02	4.0E-09	1.4E+00	1.4E-06	1.0E-03	2.0E-09	1.6E-01	5.5E-02	1.7E-11
1.0E-03	3.8E-07	1.6E-01	5.5E-02	3.3E-09	1.3E+00	1.4E-06	1.0E-03	1.9E-09	1.6E-01	5.5E-02	1.7E-11
1.0E-03	3.2E-07	1.6E-01	5.5E-02	2.7E-09	1.3E+00	1.4E-06	1.0E-03	1.8E-09	1.6E-01	5.5E-02	1.6E-11

1.0E-03	2.7E-07	1.6E-01	5.5E-02	2.3E-09	1.2E+00	1.4E-06	1.0E-03	1.8E-09	1.6E-01	5.5E-02	1.5E-11
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1.0E-03	1.7E-07	1.6E-01	5.5E-02	1.4E-09	1.1E+00	1.4E-06	1.0E-03	1.5E-09	1.6E-01	5.5E-02	1.3E-11
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1.0E-03	4.2E-07	1.6E-01	5.5E-02	3.6E-09	1.8E+00	1.4E-06	1.0E-03	2.5E-09	1.6E-01	5.5E-02	2.2E-11
1.0E-03	6.2E-07	1.6E-01	5.5E-02	5.3E-09	1.7E+00	1.4E-06	1.0E-03	2.4E-09	1.6E-01	5.5E-02	2.1E-11
1.0E-03	6.3E-07	1.6E-01	5.5E-02	5.4E-09	1.6E+00	1.4E-06	1.0E-03	2.4E-09	1.6E-01	5.5E-02	2.0E-11
1.0E-03	4.7E-07	1.6E-01	5.5E-02	4.0E-09	1.6E+00	1.4E-06	1.0E-03	2.3E-09	1.6E-01	5.5E-02	2.0E-11
1.0E-03	3.5E-07	1.6E-01	5.5E-02	3.0E-09	1.5E+00	1.4E-06	1.0E-03	2.2E-09	1.6E-01	5.5E-02	1.9E-11
1.0E-03	9.1E-07	1.6E-01	5.5E-02	7.8E-09	1.5E+00	1.4E-06	1.0E-03	2.1E-09	1.6E-01	5.5E-02	1.8E-11
1.0E-03	6.9E-07	1.6E-01	5.5E-02	5.9E-09	1.4E+00	1.4E-06	1.0E-03	2.0E-09	1.6E-01	5.5E-02	1.7E-11
1.0E-03	5.3E-07	1.6E-01	5.5E-02	4.6E-09	1.3E+00	1.4E-06	1.0E-03	1.9E-09	1.6E-01	5.5E-02	1.7E-11
1.0E-03	4.2E-07	1.6E-01	5.5E-02	3.6E-09	1.3E+00	1.4E-06	1.0E-03	1.8E-09	1.6E-01	5.5E-02	1.6E-11
1.0E-03	3.4E-07	1.6E-01	5.5E-02	2.9E-09	1.2E+00	1.4E-06	1.0E-03	1.8E-09	1.6E-01	5.5E-02	1.5E-11
1.0E-03	2.8E-07	1.6E-01	5.5E-02	2.4E-09	1.2E+00	1.4E-06	1.0E-03	1.7E-09	1.6E-01	5.5E-02	1.4E-11
1.0E-03	2.3E-07	1.6E-01	5.5E-02	2.0E-09	1.1E+00	1.4E-06	1.0E-03	1.6E-09	1.6E-01	5.5E-02	1.4E-11
1.0E-03	2.0E-07	1.6E-01	5.5E-02	1.7E-09	1.1E+00	1.4E-06	1.0E-03	1.5E-09	1.6E-01	5.5E-02	1.3E-11
1.0E-03	1.7E-07	1.6E-01	5.5E-02	1.5E-09	1.0E+00	1.4E-06	1.0E-03	1.5E-09	1.6E-01	5.5E-02	1.3E-11
1.0E-03	1.5E-07	1.6E-01	5.5E-02	1.3E-09	9.7E-01	1.4E-06	1.0E-03	1.4E-09	1.6E-01	5.5E-02	1.2E-11
1.0E-03	1.3E-07	1.6E-01	5.5E-02	1.1E-09	9.2E-01	1.4E-06	1.0E-03	1.3E-09	1.6E-01	5.5E-02	1.1E-11
1.0E-03	1.1E-07	1.6E-01	5.5E-02	9.6E-10	8.8E-01	1.4E-06	1.0E-03	1.3E-09	1.6E-01	5.5E-02	1.1E-11
1.0E-03	9.9E-08	1.6E-01	5.5E-02	8.5E-10	8.4E-01	1.4E-06	1.0E-03	1.2E-09	1.6E-01	5.5E-02	1.0E-11
1.0E-03	8.8E-08	1.6E-01	5.5E-02	7.6E-10	8.0E-01	1.4E-06	1.0E-03	1.2E-09	1.6E-01	5.5E-02	9.9E-12
1.0E-03	7.9E-08	1.6E-01	5.5E-02	6.8E-10	7.7E-01	1.4E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-02	9.5E-12
1.0E-03	2.4E-07	1.6E-01	5.5E-02	2.1E-09	1.9E+00	1.4E-06	1.0E-03	2.7E-09	1.6E-01	5.5E-02	2.3E-11
1.0E-03	3.3E-07	1.6E-01	5.5E-02	2.9E-09	1.9E+00	1.4E-06	1.0E-03	2.7E-09	1.6E-01	5.5E-02	2.3E-11
1.0E-03	4.9E-07	1.6E-01	5.5E-02	4.2E-09	1.8E+00	1.4E-06	1.0E-03	2.6E-09	1.6E-01	5.5E-02	2.3E-11
1.0E-03	7.5E-07	1.6E-01	5.5E-02	6.5E-09	1.8E+00	1.4E-06	1.0E-03	2.6E-09	1.6E-01	5.5E-02	2.2E-11
1.0E-03	2.4E-07	1.6E-01	5.5E-02	2.1E-09	1.7E+00	1.4E-06	1.0E-03	2.5E-09	1.6E-01	5.5E-02	2.2E-11
1.0E-03	3.6E-07	1.6E-01	5.5E-02	3.1E-09	1.7E+00	1.4E-06	1.0E-03	2.4E-09	1.6E-01	5.5E-02	2.1E-11
1.0E-03	5.8E-07	1.6E-01	5.5E-02	5.0E-09	1.7E+00	1.4E-06	1.0E-03	2.4E-09	1.6E-01	5.5E-02	2.0E-11
1.0E-03	0.0E+00	1.6E-01	5.5E-02	0.0E+00	1.6E+00	1.4E-06	1.0E-03	2.3E-09	1.6E-01	5.5E-02	2.0E-11
1.0E-03	0.0E+00	1.6E-01	5.5E-02	0.0E+00	1.6E+00	1.4E-06	1.0E-03	2.2E-09	1.6E-01	5.5E-02	1.9E-11
1.0E-03	5.8E-07	1.6E-01	5.5E-02	5.0E-09	1.5E+00	1.4E-06	1.0E-03	2.1E-09	1.6E-01	5.5E-02	1.8E-11
1.0E-03	4.0E-07	1.6E-01	5.5E-02	3.5E-09	1.4E+00	1.4E-06	1.0E-03	2.1E-09	1.6E-01	5.5E-02	1.8E-11
1.0E-03	3.0E-07	1.6E-01	5.5E-02	2.6E-09	1.4E+00	1.4E-06	1.0E-03	2.0E-09	1.6E-01	5.5E-02	1.7E-11
1.0E-03	8.2E-07	1.6E-01	5.5E-02	7.0E-09	1.3E+00	1.4E-06	1.0E-03	1.9E-09	1.6E-01	5.5E-02	1.6E-11

1.0E-03	5.9E-07	1.6E-01	5.5E-02	5.1E-09	1.3E+00	1.4E-06	1.0E-03	1.8E-09	1.6E-01	5.5E-02	1.6E-11
1.0E-03	4.5E-07	1.6E-01	5.5E-02	3.9E-09	1.2E+00	1.4E-06	1.0E-03	1.8E-09	1.6E-01	5.5E-02	1.5E-11
1.0E-03	3.6E-07	1.6E-01	5.5E-02	3.1E-09	1.2E+00	1.4E-06	1.0E-03	1.7E-09	1.6E-01	5.5E-02	1.4E-11
1.0E-03	2.9E-07	1.6E-01	5.5E-02	2.5E-09	1.1E+00	1.4E-06	1.0E-03	1.6E-09	1.6E-01	5.5E-02	1.4E-11
1.0E-03	2.4E-07	1.6E-01	5.5E-02	2.0E-09	1.1E+00	1.4E-06	1.0E-03	1.5E-09	1.6E-01	5.5E-02	1.3E-11
1.0E-03	2.0E-07	1.6E-01	5.5E-02	1.7E-09	1.0E+00	1.4E-06	1.0E-03	1.5E-09	1.6E-01	5.5E-02	1.3E-11
1.0E-03	1.7E-07	1.6E-01	5.5E-02	1.5E-09	9.8E-01	1.4E-06	1.0E-03	1.4E-09	1.6E-01	5.5E-02	1.2E-11
1.0E-03	1.4E-07	1.6E-01	5.5E-02	1.2E-09	9.4E-01	1.4E-06	1.0E-03	1.3E-09	1.6E-01	5.5E-02	1.2E-11
1.0E-03	1.3E-07	1.6E-01	5.5E-02	1.1E-09	9.0E-01	1.4E-06	1.0E-03	1.3E-09	1.6E-01	5.5E-02	1.1E-11
1.0E-03	1.1E-07	1.6E-01	5.5E-02	9.5E-10	8.6E-01	1.4E-06	1.0E-03	1.2E-09	1.6E-01	5.5E-02	1.1E-11
1.0E-03	9.7E-08	1.6E-01	5.5E-02	8.3E-10	8.2E-01	1.4E-06	1.0E-03	1.2E-09	1.6E-01	5.5E-02	1.0E-11
1.0E-03	8.6E-08	1.6E-01	5.5E-02	7.4E-10	7.8E-01	1.4E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-02	9.6E-12
1.0E-03	7.7E-08	1.6E-01	5.5E-02	6.6E-10	7.5E-01	1.4E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-02	9.2E-12
1.0E-03	2.5E-07	1.6E-01	5.5E-02	2.2E-09	1.8E+00	1.4E-06	1.0E-03	2.6E-09	1.6E-01	5.5E-02	2.2E-11
1.0E-03	3.6E-07	1.6E-01	5.5E-02	3.1E-09	1.8E+00	1.4E-06	1.0E-03	2.5E-09	1.6E-01	5.5E-02	2.2E-11
1.0E-03	5.5E-07	1.6E-01	5.5E-02	4.7E-09	1.7E+00	1.4E-06	1.0E-03	2.5E-09	1.6E-01	5.5E-02	2.1E-11
1.0E-03	1.7E-07	1.6E-01	5.5E-02	1.5E-09	1.7E+00	1.4E-06	1.0E-03	2.4E-09	1.6E-01	5.5E-02	2.1E-11
1.0E-03	2.6E-07	1.6E-01	5.5E-02	2.3E-09	1.6E+00	1.4E-06	1.0E-03	2.3E-09	1.6E-01	5.5E-02	2.0E-11
1.0E-03	4.1E-07	1.6E-01	5.5E-02	3.6E-09	1.6E+00	1.4E-06	1.0E-03	2.3E-09	1.6E-01	5.5E-02	2.0E-11
1.0E-03	0.0E+00	1.6E-01	5.5E-02	0.0E+00	1.6E+00	1.4E-06	1.0E-03	2.2E-09	1.6E-01	5.5E-02	1.9E-11
1.0E-03	0.0E+00	1.6E-01	5.5E-02	0.0E+00	1.5E+00	1.4E-06	1.0E-03	2.2E-09	1.6E-01	5.5E-02	1.9E-11
1.0E-03	0.0E+00	1.6E-01	5.5E-02	0.0E+00	1.5E+00	1.4E-06	1.0E-03	2.1E-09	1.6E-01	5.5E-02	1.8E-11
1.0E-03	6.6E-07	1.6E-01	5.5E-02	5.7E-09	1.4E+00	1.4E-06	1.0E-03	2.0E-09	1.6E-01	5.5E-02	1.7E-11
1.0E-03	4.3E-07	1.6E-01	5.5E-02	3.7E-09	1.4E+00	1.4E-06	1.0E-03	2.0E-09	1.6E-01	5.5E-02	1.7E-11
1.0E-03	3.1E-07	1.6E-01	5.5E-02	2.6E-09	1.3E+00	1.4E-06	1.0E-03	1.9E-09	1.6E-01	5.5E-02	1.6E-11
1.0E-03	9.1E-07	1.6E-01	5.5E-02	7.8E-09	1.3E+00	1.4E-06	1.0E-03	1.8E-09	1.6E-01	5.5E-02	1.6E-11
1.0E-03	6.2E-07	1.6E-01	5.5E-02	5.3E-09	1.2E+00	1.4E-06	1.0E-03	1.7E-09	1.6E-01	5.5E-02	1.5E-11
1.0E-03	4.6E-07	1.6E-01	5.5E-02	3.9E-09	1.2E+00	1.4E-06	1.0E-03	1.7E-09	1.6E-01	5.5E-02	1.4E-11
1.0E-03	3.6E-07	1.6E-01	5.5E-02	3.1E-09	1.1E+00	1.4E-06	1.0E-03	1.6E-09	1.6E-01	5.5E-02	1.4E-11
1.0E-03	2.9E-07	1.6E-01	5.5E-02	2.5E-09	1.1E+00	1.4E-06	1.0E-03	1.5E-09	1.6E-01	5.5E-02	1.3E-11
1.0E-03	2.3E-07	1.6E-01	5.5E-02	2.0E-09	1.0E+00	1.4E-06	1.0E-03	1.5E-09	1.6E-01	5.5E-02	1.3E-11
1.0E-03	1.9E-07	1.6E-01	5.5E-02	1.7E-09	9.9E-01	1.4E-06	1.0E-03	1.4E-09	1.6E-01	5.5E-02	1.2E-11
1.0E-03	1.6E-07	1.6E-01	5.5E-02	1.4E-09	9.5E-01	1.4E-06	1.0E-03	1.4E-09	1.6E-01	5.5E-02	1.2E-11
1.0E-03	1.4E-07	1.6E-01	5.5E-02	1.2E-09	9.1E-01	1.4E-06	1.0E-03	1.3E-09	1.6E-01	5.5E-02	1.1E-11
1.0E-03	1.2E-07	1.6E-01	5.5E-02	1.0E-09	8.7E-01	1.4E-06	1.0E-03	1.2E-09	1.6E-01	5.5E-02	1.1E-11
1.0E-03	1.1E-07	1.6E-01	5.5E-02	9.2E-10	8.3E-01	1.4E-06	1.0E-03	1.2E-09	1.6E-01	5.5E-02	1.0E-11
1.0E-03	9.4E-08	1.6E-01	5.5E-02	8.1E-10	7.9E-01	1.4E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-02	9.8E-12
1.0E-03	8.3E-08	1.6E-01	5.5E-02	7.2E-10	7.6E-01	1.4E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-02	9.4E-12
1.0E-03	7.4E-08	1.6E-01	5.5E-02	6.4E-10	7.3E-01	1.4E-06	1.0E-03	1.0E-09	1.6E-01	5.5E-02	9.0E-12
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1.0E-03	3.6E-07	1.6E-01	5.5E-02	3.1E-09	1.6E+00	1.4E-06	1.0E-03	2.4E-09	1.6E-01	5.5E-02	2.0E-11
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1.0E-03	1.8E-07	1.6E-01	5.5E-02	1.5E-09	1.6E+00	1.4E-06	1.0E-03	2.3E-09	1.6E-01	5.5E-02	1.9E-11
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1.0E-03	2.7E-07	1.6E-01	5.5E-02	2.4E-09	1.0E+00	1.4E-06	1.0E-03	1.5E-09	1.6E-01	5.5E-02	1.3E-11
1.0E-03	2.2E-07	1.6E-01	5.5E-02	1.9E-09	1.0E+00	1.4E-06	1.0E-03	1.4E-09	1.6E-01	5.5E-02	1.2E-11
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1.0E-03	1.3E-07	1.6E-01	5.5E-02	1.2E-09	8.8E-01	1.4E-06	1.0E-03	1.3E-09	1.6E-01	5.5E-02	1.1E-11

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1.0E-03	1.0E-07	1.6E-01	5.5E-02	8.8E-10	8.1E-01	1.4E-06	1.0E-03	1.2E-09	1.6E-01	5.5E-02	9.9E-12
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1.0E-03	1.7E-07	1.6E-01	5.5E-02	1.4E-09	1.5E+00	1.4E-06	1.0E-03	2.1E-09	1.6E-01	5.5E-02	1.8E-11
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1.0E-03	1.8E-07	1.6E-01	5.5E-02	1.5E-09	9.2E-01	1.4E-06	1.0E-03	1.3E-09	1.6E-01	5.5E-02	1.1E-11
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1.0E-03	7.6E-08	1.6E-01	5.5E-02	6.6E-10	7.2E-01	1.4E-06	1.0E-03	1.0E-09	1.6E-01	5.5E-02	8.9E-12
1.0E-03	6.8E-08	1.6E-01	5.5E-02	5.9E-10	6.9E-01	1.4E-06	1.0E-03	9.9E-10	1.6E-01	5.5E-02	8.5E-12
1.0E-03	2.2E-07	1.6E-01	5.5E-02	1.9E-09	1.5E+00	1.4E-06	1.0E-03	2.1E-09	1.6E-01	5.5E-02	1.8E-11
1.0E-03	2.9E-07	1.6E-01	5.5E-02	2.5E-09	1.5E+00	1.4E-06	1.0E-03	2.1E-09	1.6E-01	5.5E-02	1.8E-11
1.0E-03	4.1E-07	1.6E-01	5.5E-02	3.6E-09	1.4E+00	1.4E-06	1.0E-03	2.0E-09	1.6E-01	5.5E-02	1.8E-11
1.0E-03	6.0E-07	1.6E-01	5.5E-02	5.1E-09	1.4E+00	1.4E-06	1.0E-03	2.0E-09	1.6E-01	5.5E-02	1.7E-11
1.0E-03	2.0E-07	1.6E-01	5.5E-02	1.8E-09	1.4E+00	1.4E-06	1.0E-03	2.0E-09	1.6E-01	5.5E-02	1.7E-11
1.0E-03	2.3E-07	1.6E-01	5.5E-02	2.0E-09	9.6E-01	1.4E-06	1.0E-03	1.4E-09	1.6E-01	5.5E-02	1.2E-11
1.0E-03	1.9E-07	1.6E-01	5.5E-02	1.7E-09	9.2E-01	1.4E-06	1.0E-03	1.3E-09	1.6E-01	5.5E-02	1.1E-11
1.0E-03	1.6E-07	1.6E-01	5.5E-02	1.4E-09	8.9E-01	1.4E-06	1.0E-03	1.3E-09	1.6E-01	5.5E-02	1.1E-11
1.0E-03	1.4E-07	1.6E-01	5.5E-02	1.2E-09	8.5E-01	1.4E-06	1.0E-03	1.2E-09	1.6E-01	5.5E-02	1.1E-11
1.0E-03	1.2E-07	1.6E-01	5.5E-02	1.0E-09	8.2E-01	1.4E-06	1.0E-03	1.2E-09	1.6E-01	5.5E-02	1.0E-11
1.0E-03	1.0E-07	1.6E-01	5.5E-02	9.0E-10	7.9E-01	1.4E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-02	9.7E-12
1.0E-03	9.1E-08	1.6E-01	5.5E-02	7.9E-10	7.6E-01	1.4E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-02	9.4E-12
1.0E-03	8.1E-08	1.6E-01	5.5E-02	6.9E-10	7.3E-01	1.4E-06	1.0E-03	1.0E-09	1.6E-01	5.5E-02	9.0E-12
1.0E-03	7.2E-08	1.6E-01	5.5E-02	6.2E-10	7.0E-01	1.4E-06	1.0E-03	1.0E-09	1.6E-01	5.5E-02	8.6E-12
1.0E-03	6.5E-08	1.6E-01	5.5E-02	5.6E-10	6.7E-01	1.4E-06	1.0E-03	9.6E-10	1.6E-01	5.5E-02	8.3E-12
1.0E-03	1.9E-07	1.6E-01	5.5E-02	1.7E-09	1.4E+00	1.4E-06	1.0E-03	2.0E-09	1.6E-01	5.5E-02	1.7E-11
1.0E-03	2.5E-07	1.6E-01	5.5E-02	2.1E-09	1.4E+00	1.4E-06	1.0E-03	2.0E-09	1.6E-01	5.5E-02	1.7E-11
1.0E-03	3.3E-07	1.6E-01	5.5E-02	2.8E-09	1.4E+00	1.4E-06	1.0E-03	1.9E-09	1.6E-01	5.5E-02	1.7E-11
1.0E-03	4.4E-07	1.6E-01	5.5E-02	3.8E-09	1.3E+00	1.4E-06	1.0E-03	1.9E-09	1.6E-01	5.5E-02	1.6E-11
1.0E-03	5.8E-07	1.6E-01	5.5E-02	5.0E-09	1.3E+00	1.4E-06	1.0E-03	1.9E-09	1.6E-01	5.5E-02	1.6E-11
1.0E-03	2.0E-07	1.6E-01	5.5E-02	1.8E-09	9.2E-01	1.4E-06	1.0E-03	1.3E-09	1.6E-01	5.5E-02	1.1E-11
1.0E-03	1.7E-07	1.6E-01	5.5E-02	1.5E-09	8.9E-01	1.4E-06	1.0E-03	1.3E-09	1.6E-01	5.5E-02	1.1E-11
1.0E-03	1.5E-07	1.6E-01	5.5E-02	1.3E-09	8.6E-01	1.4E-06	1.0E-03	1.2E-09	1.6E-01	5.5E-02	1.1E-11
1.0E-03	1.3E-07	1.6E-01	5.5E-02	1.1E-09	8.3E-01	1.4E-06	1.0E-03	1.2E-09	1.6E-01	5.5E-02	1.0E-11
1.0E-03	1.1E-07	1.6E-01	5.5E-02	9.5E-10	8.0E-01	1.4E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-02	9.8E-12
1.0E-03	9.7E-08	1.6E-01	5.5E-02	8.4E-10	7.7E-01	1.4E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-02	9.4E-12
1.0E-03	8.6E-08	1.6E-01	5.5E-02	7.4E-10	7.4E-01	1.4E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-02	9.1E-12
1.0E-03	7.6E-08	1.6E-01	5.5E-02	6.5E-10	7.1E-01	1.4E-06	1.0E-03	1.0E-09	1.6E-01	5.5E-02	8.7E-12
1.0E-03	6.8E-08	1.6E-01	5.5E-02	5.8E-10	6.8E-01	1.4E-06	1.0E-03	9.8E-10	1.6E-01	5.5E-02	8.4E-12

1.0E-03	6.1E-08	1.6E-01	5.5E-02	5.3E-10	6.6E-01	1.4E-06	1.0E-03	9.4E-10	1.6E-01	5.5E-02	8.1E-12
1.0E-03	1.7E-07	1.6E-01	5.5E-02	1.4E-09	1.3E+00	1.4E-06	1.0E-03	1.9E-09	1.6E-01	5.5E-02	1.6E-11
1.0E-03	2.1E-07	1.6E-01	5.5E-02	1.8E-09	1.3E+00	1.4E-06	1.0E-03	1.9E-09	1.6E-01	5.5E-02	1.6E-11
1.0E-03	2.6E-07	1.6E-01	5.5E-02	2.2E-09	1.3E+00	1.4E-06	1.0E-03	1.8E-09	1.6E-01	5.5E-02	1.6E-11
1.0E-03	3.3E-07	1.6E-01	5.5E-02	2.8E-09	1.3E+00	1.4E-06	1.0E-03	1.8E-09	1.6E-01	5.5E-02	1.6E-11
1.0E-03	4.1E-07	1.6E-01	5.5E-02	3.5E-09	1.2E+00	1.4E-06	1.0E-03	1.8E-09	1.6E-01	5.5E-02	1.5E-11
1.0E-03	1.8E-07	1.6E-01	5.5E-02	1.5E-09	8.9E-01	1.4E-06	1.0E-03	1.3E-09	1.6E-01	5.5E-02	1.1E-11
1.0E-03	1.5E-07	1.6E-01	5.5E-02	1.3E-09	8.6E-01	1.4E-06	1.0E-03	1.2E-09	1.6E-01	5.5E-02	1.1E-11
1.0E-03	1.3E-07	1.6E-01	5.5E-02	1.1E-09	8.3E-01	1.4E-06	1.0E-03	1.2E-09	1.6E-01	5.5E-02	1.0E-11
1.0E-03	1.2E-07	1.6E-01	5.5E-02	1.0E-09	8.0E-01	1.4E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-02	9.8E-12
1.0E-03	1.0E-07	1.6E-01	5.5E-02	8.8E-10	7.7E-01	1.4E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-02	9.5E-12
1.0E-03	9.0E-08	1.6E-01	5.5E-02	7.7E-10	7.4E-01	1.4E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-02	9.2E-12
1.0E-03	8.0E-08	1.6E-01	5.5E-02	6.9E-10	7.2E-01	1.4E-06	1.0E-03	1.0E-09	1.6E-01	5.5E-02	8.8E-12
1.0E-03	7.1E-08	1.6E-01	5.5E-02	6.1E-10	6.9E-01	1.4E-06	1.0E-03	9.9E-10	1.6E-01	5.5E-02	8.5E-12
1.0E-03	6.4E-08	1.6E-01	5.5E-02	5.5E-10	6.6E-01	1.4E-06	1.0E-03	9.5E-10	1.6E-01	5.5E-02	8.2E-12
1.0E-03	5.8E-08	1.6E-01	5.5E-02	5.0E-10	6.4E-01	1.4E-06	1.0E-03	9.2E-10	1.6E-01	5.5E-02	7.9E-12
1.0E-03	1.4E-07	1.6E-01	5.5E-02	1.2E-09	1.2E+00	1.4E-06	1.0E-03	1.8E-09	1.6E-01	5.5E-02	1.5E-11
1.0E-03	1.7E-07	1.6E-01	5.5E-02	1.5E-09	1.2E+00	1.4E-06	1.0E-03	1.8E-09	1.6E-01	5.5E-02	1.5E-11
1.0E-03	2.1E-07	1.6E-01	5.5E-02	1.8E-09	1.2E+00	1.4E-06	1.0E-03	1.7E-09	1.6E-01	5.5E-02	1.5E-11
1.0E-03	2.5E-07	1.6E-01	5.5E-02	2.2E-09	1.2E+00	1.4E-06	1.0E-03	1.7E-09	1.6E-01	5.5E-02	1.5E-11
1.0E-03	3.0E-07	1.6E-01	5.5E-02	2.6E-09	1.2E+00	1.4E-06	1.0E-03	1.7E-09	1.6E-01	5.5E-02	1.4E-11
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1.0E-03	9.4E-08	1.6E-01	5.5E-02	8.1E-10	7.5E-01	1.4E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-02	9.2E-12
1.0E-03	8.3E-08	1.6E-01	5.5E-02	7.2E-10	7.2E-01	1.4E-06	1.0E-03	1.0E-09	1.6E-01	5.5E-02	8.9E-12
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1.0E-03	1.4E-07	1.6E-01	5.5E-02	1.2E-09	1.2E+00	1.4E-06	1.0E-03	1.7E-09	1.6E-01	5.5E-02	1.4E-11
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1.0E-03	2.3E-07	1.6E-01	5.5E-02	2.0E-09	1.1E+00	1.4E-06	1.0E-03	1.6E-09	1.6E-01	5.5E-02	1.4E-11
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1.0E-03	1.4E-07	1.6E-01	5.5E-02	1.2E-09	1.1E+00	1.4E-06	1.0E-03	1.6E-09	1.6E-01	5.5E-02	1.4E-11

1.0E-03	1.6E-07	1.6E-01	5.5E-02	1.4E-09	1.1E+00	1.4E-06	1.0E-03	1.5E-09	1.6E-01	5.5E-02	1.3E-11
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1.0E-03	1.2E-07	1.6E-01	5.5E-02	1.0E-09	1.0E+00	1.4E-06	1.0E-03	1.5E-09	1.6E-01	5.5E-02	1.3E-11
1.0E-03	1.3E-07	1.6E-01	5.5E-02	1.1E-09	1.0E+00	1.4E-06	1.0E-03	1.5E-09	1.6E-01	5.5E-02	1.3E-11
1.0E-03	1.5E-07	1.6E-01	5.5E-02	1.3E-09	1.0E+00	1.4E-06	1.0E-03	1.4E-09	1.6E-01	5.5E-02	1.2E-11
1.0E-03	1.1E-07	1.6E-01	5.5E-02	9.2E-10	7.7E-01	1.4E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-02	9.4E-12
1.0E-03	9.7E-08	1.6E-01	5.5E-02	8.4E-10	7.4E-01	1.4E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-02	9.2E-12
1.0E-03	8.8E-08	1.6E-01	5.5E-02	7.6E-10	7.2E-01	1.4E-06	1.0E-03	1.0E-09	1.6E-01	5.5E-02	8.9E-12
1.0E-03	8.0E-08	1.6E-01	5.5E-02	6.9E-10	7.0E-01	1.4E-06	1.0E-03	1.0E-09	1.6E-01	5.5E-02	8.6E-12
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1.0E-03	6.6E-08	1.6E-01	5.5E-02	5.7E-10	6.6E-01	1.4E-06	1.0E-03	9.4E-10	1.6E-01	5.5E-02	8.1E-12
1.0E-03	6.0E-08	1.6E-01	5.5E-02	5.2E-10	6.4E-01	1.4E-06	1.0E-03	9.1E-10	1.6E-01	5.5E-02	7.9E-12
1.0E-03	5.5E-08	1.6E-01	5.5E-02	4.7E-10	6.2E-01	1.4E-06	1.0E-03	8.8E-10	1.6E-01	5.5E-02	7.6E-12
1.0E-03	5.0E-08	1.6E-01	5.5E-02	4.3E-10	6.0E-01	1.4E-06	1.0E-03	8.6E-10	1.6E-01	5.5E-02	7.4E-12
1.0E-03	4.6E-08	1.6E-01	5.5E-02	3.9E-10	5.8E-01	1.4E-06	1.0E-03	8.3E-10	1.6E-01	5.5E-02	7.1E-12
1.0E-03	7.8E-08	1.6E-01	5.5E-02	6.7E-10	1.0E+00	1.4E-06	1.0E-03	1.5E-09	1.6E-01	5.5E-02	1.3E-11
1.0E-03	8.8E-08	1.6E-01	5.5E-02	7.6E-10	1.0E+00	1.4E-06	1.0E-03	1.4E-09	1.6E-01	5.5E-02	1.2E-11
1.0E-03	9.9E-08	1.6E-01	5.5E-02	8.5E-10	9.9E-01	1.4E-06	1.0E-03	1.4E-09	1.6E-01	5.5E-02	1.2E-11
1.0E-03	1.1E-07	1.6E-01	5.5E-02	9.5E-10	9.8E-01	1.4E-06	1.0E-03	1.4E-09	1.6E-01	5.5E-02	1.2E-11
1.0E-03	1.2E-07	1.6E-01	5.5E-02	1.1E-09	9.7E-01	1.4E-06	1.0E-03	1.4E-09	1.6E-01	5.5E-02	1.2E-11
1.0E-03	9.5E-08	1.6E-01	5.5E-02	8.2E-10	7.4E-01	1.4E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-02	9.1E-12
1.0E-03	8.7E-08	1.6E-01	5.5E-02	7.5E-10	7.2E-01	1.4E-06	1.0E-03	1.0E-09	1.6E-01	5.5E-02	8.9E-12
1.0E-03	8.0E-08	1.6E-01	5.5E-02	6.9E-10	7.0E-01	1.4E-06	1.0E-03	1.0E-09	1.6E-01	5.5E-02	8.6E-12
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1.0E-03	6.7E-08	1.6E-01	5.5E-02	5.7E-10	6.6E-01	1.4E-06	1.0E-03	9.4E-10	1.6E-01	5.5E-02	8.1E-12
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1.0E-03	5.1E-08	1.6E-01	5.5E-02	4.4E-10	6.0E-01	1.4E-06	1.0E-03	8.6E-10	1.6E-01	5.5E-02	7.4E-12
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1.0E-03	4.3E-08	1.6E-01	5.5E-02	3.7E-10	5.6E-01	1.4E-06	1.0E-03	8.1E-10	1.6E-01	5.5E-02	6.9E-12
1.0E-03	6.9E-08	1.6E-01	5.5E-02	5.9E-10	9.7E-01	1.4E-06	1.0E-03	1.4E-09	1.6E-01	5.5E-02	1.2E-11
1.0E-03	7.7E-08	1.6E-01	5.5E-02	6.6E-10	9.6E-01	1.4E-06	1.0E-03	1.4E-09	1.6E-01	5.5E-02	1.2E-11
1.0E-03	8.5E-08	1.6E-01	5.5E-02	7.3E-10	9.5E-01	1.4E-06	1.0E-03	1.4E-09	1.6E-01	5.5E-02	1.2E-11
1.0E-03	9.4E-08	1.6E-01	5.5E-02	8.1E-10	9.4E-01	1.4E-06	1.0E-03	1.3E-09	1.6E-01	5.5E-02	1.2E-11
1.0E-03	1.0E-07	1.6E-01	5.5E-02	8.9E-10	9.2E-01	1.4E-06	1.0E-03	1.3E-09	1.6E-01	5.5E-02	1.1E-11
1.0E-03	8.5E-08	1.6E-01	5.5E-02	7.3E-10	7.1E-01	1.4E-06	1.0E-03	1.0E-09	1.6E-01	5.5E-02	8.8E-12
1.0E-03	7.9E-08	1.6E-01	5.5E-02	6.8E-10	6.9E-01	1.4E-06	1.0E-03	9.9E-10	1.6E-01	5.5E-02	8.6E-12

1.0E-03	7.2E-08	1.6E-01	5.5E-02	6.2E-10	6.7E-01	1.4E-06	1.0E-03	9.7E-10	1.6E-01	5.5E-02	8.3E-12
1.0E-03	6.6E-08	1.6E-01	5.5E-02	5.7E-10	6.6E-01	1.4E-06	1.0E-03	9.4E-10	1.6E-01	5.5E-02	8.1E-12
1.0E-03	6.1E-08	1.6E-01	5.5E-02	5.3E-10	6.4E-01	1.4E-06	1.0E-03	9.1E-10	1.6E-01	5.5E-02	7.8E-12
1.0E-03	5.6E-08	1.6E-01	5.5E-02	4.8E-10	6.2E-01	1.4E-06	1.0E-03	8.8E-10	1.6E-01	5.5E-02	7.6E-12
1.0E-03	5.2E-08	1.6E-01	5.5E-02	4.5E-10	6.0E-01	1.4E-06	1.0E-03	8.6E-10	1.6E-01	5.5E-02	7.4E-12
1.0E-03	4.8E-08	1.6E-01	5.5E-02	4.1E-10	5.8E-01	1.4E-06	1.0E-03	8.3E-10	1.6E-01	5.5E-02	7.2E-12
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1.0E-03	7.5E-08	1.6E-01	5.5E-02	6.4E-10	9.0E-01	1.4E-06	1.0E-03	1.3E-09	1.6E-01	5.5E-02	1.1E-11
1.0E-03	8.2E-08	1.6E-01	5.5E-02	7.0E-10	8.9E-01	1.4E-06	1.0E-03	1.3E-09	1.6E-01	5.5E-02	1.1E-11
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1.0E-03	3.3E-08	1.6E-01	5.5E-02	2.8E-10	5.0E-01	1.4E-06	1.0E-03	7.1E-10	1.6E-01	5.5E-02	6.1E-12
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1.0E-03	4.9E-08	1.6E-01	5.5E-02	4.2E-10	7.5E-01	1.4E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-02	9.3E-12
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1.0E-03	3.8E-08	1.6E-01	5.5E-02	3.2E-10	5.2E-01	1.4E-06	1.0E-03	7.5E-10	1.6E-01	5.5E-02	6.4E-12
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1.0E-03	3.3E-08	1.6E-01	5.5E-02	2.9E-10	5.0E-01	1.4E-06	1.0E-03	7.1E-10	1.6E-01	5.5E-02	6.1E-12
1.0E-03	3.1E-08	1.6E-01	5.5E-02	2.7E-10	4.8E-01	1.4E-06	1.0E-03	6.9E-10	1.6E-01	5.5E-02	5.9E-12
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1.0E-03	4.0E-08	1.6E-01	5.5E-02	3.4E-10	5.3E-01	1.4E-06	1.0E-03	7.6E-10	1.6E-01	5.5E-02	6.6E-12
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1.0E-03	3.6E-08	1.6E-01	5.5E-02	3.1E-10	5.1E-01	1.4E-06	1.0E-03	7.3E-10	1.6E-01	5.5E-02	6.3E-12
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1.0E-03	3.3E-08	1.6E-01	5.5E-02	2.9E-10	7.1E-01	1.4E-06	1.0E-03	1.0E-09	1.6E-01	5.5E-02	8.8E-12
1.0E-03	3.6E-08	1.6E-01	5.5E-02	3.1E-10	7.0E-01	1.4E-06	1.0E-03	1.0E-09	1.6E-01	5.5E-02	8.7E-12
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1.0E-03	4.2E-08	1.6E-01	5.5E-02	3.6E-10	6.9E-01	1.4E-06	1.0E-03	9.8E-10	1.6E-01	5.5E-02	8.4E-12
1.0E-03	3.7E-08	1.6E-01	5.5E-02	3.2E-10	5.2E-01	1.4E-06	1.0E-03	7.4E-10	1.6E-01	5.5E-02	6.4E-12
1.0E-03	3.5E-08	1.6E-01	5.5E-02	3.0E-10	5.1E-01	1.4E-06	1.0E-03	7.3E-10	1.6E-01	5.5E-02	6.3E-12
1.0E-03	3.3E-08	1.6E-01	5.5E-02	2.9E-10	5.0E-01	1.4E-06	1.0E-03	7.1E-10	1.6E-01	5.5E-02	6.1E-12
1.0E-03	3.2E-08	1.6E-01	5.5E-02	2.7E-10	4.8E-01	1.4E-06	1.0E-03	6.9E-10	1.6E-01	5.5E-02	6.0E-12
1.0E-03	3.0E-08	1.6E-01	5.5E-02	2.6E-10	4.7E-01	1.4E-06	1.0E-03	6.8E-10	1.6E-01	5.5E-02	5.8E-12
1.0E-03	2.8E-08	1.6E-01	5.5E-02	2.4E-10	4.6E-01	1.4E-06	1.0E-03	6.6E-10	1.6E-01	5.5E-02	5.7E-12
1.0E-03	3.1E-08	1.6E-01	5.5E-02	2.6E-10	6.8E-01	1.4E-06	1.0E-03	9.8E-10	1.6E-01	5.5E-02	8.4E-12
1.0E-03	3.3E-08	1.6E-01	5.5E-02	2.8E-10	6.8E-01	1.4E-06	1.0E-03	9.7E-10	1.6E-01	5.5E-02	8.3E-12
1.0E-03	3.4E-08	1.6E-01	5.5E-02	3.0E-10	6.7E-01	1.4E-06	1.0E-03	9.6E-10	1.6E-01	5.5E-02	8.3E-12

1.0E-03	3.6E-08	1.6E-01	5.5E-02	3.1E-10	6.7E-01	1.4E-06	1.0E-03	9.5E-10	1.6E-01	5.5E-02	8.2E-12
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1.0E-03	2.9E-08	1.6E-01	5.5E-02	2.5E-10	5.9E-01	1.4E-06	1.0E-03	8.4E-10	1.6E-01	5.5E-02	7.2E-12
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1.0E-03	2.6E-08	1.6E-01	5.5E-02	2.3E-10	4.5E-01	1.4E-06	1.0E-03	6.5E-10	1.6E-01	5.5E-02	5.6E-12
1.0E-03	2.6E-08	1.6E-01	5.5E-02	2.2E-10	4.4E-01	1.4E-06	1.0E-03	6.3E-10	1.6E-01	5.5E-02	5.5E-12
1.0E-03	2.5E-08	1.6E-01	5.5E-02	2.1E-10	4.3E-01	1.4E-06	1.0E-03	6.2E-10	1.6E-01	5.5E-02	5.3E-12
1.0E-03	2.4E-08	1.6E-01	5.5E-02	2.1E-10	4.2E-01	1.4E-06	1.0E-03	6.1E-10	1.6E-01	5.5E-02	5.2E-12
1.0E-03	2.3E-08	1.6E-01	5.5E-02	2.0E-10	4.2E-01	1.4E-06	1.0E-03	6.0E-10	1.6E-01	5.5E-02	5.1E-12
1.0E-03	2.2E-08	1.6E-01	5.5E-02	1.9E-10	4.1E-01	1.4E-06	1.0E-03	5.8E-10	1.6E-01	5.5E-02	5.0E-12
1.0E-03	2.1E-08	1.6E-01	5.5E-02	1.8E-10	5.6E-01	1.4E-06	1.0E-03	8.0E-10	1.6E-01	5.5E-02	6.9E-12

1.0E-03	2.2E-08	1.6E-01	5.5E-02	1.9E-10	5.6E-01	1.4E-06	1.0E-03	8.0E-10	1.6E-01	5.5E-02	6.9E-12
1.0E-03	2.3E-08	1.6E-01	5.5E-02	2.0E-10	5.5E-01	1.4E-06	1.0E-03	7.9E-10	1.6E-01	5.5E-02	6.8E-12
1.0E-03	2.4E-08	1.6E-01	5.5E-02	2.0E-10	5.5E-01	1.4E-06	1.0E-03	7.9E-10	1.6E-01	5.5E-02	6.8E-12
1.0E-03	2.5E-08	1.6E-01	5.5E-02	2.1E-10	5.5E-01	1.4E-06	1.0E-03	7.8E-10	1.6E-01	5.5E-02	6.7E-12
1.0E-03	2.5E-08	1.6E-01	5.5E-02	2.2E-10	5.4E-01	1.4E-06	1.0E-03	7.7E-10	1.6E-01	5.5E-02	6.7E-12
1.0E-03	2.6E-08	1.6E-01	5.5E-02	2.2E-10	5.4E-01	1.4E-06	1.0E-03	7.7E-10	1.6E-01	5.5E-02	6.6E-12
1.0E-03	2.7E-08	1.6E-01	5.5E-02	2.3E-10	5.3E-01	1.4E-06	1.0E-03	7.6E-10	1.6E-01	5.5E-02	6.5E-12
1.0E-03	2.7E-08	1.6E-01	5.5E-02	2.3E-10	5.3E-01	1.4E-06	1.0E-03	7.5E-10	1.6E-01	5.5E-02	6.5E-12
1.0E-03	2.8E-08	1.6E-01	5.5E-02	2.4E-10	5.2E-01	1.4E-06	1.0E-03	7.4E-10	1.6E-01	5.5E-02	6.4E-12
1.0E-03	2.8E-08	1.6E-01	5.5E-02	2.4E-10	5.1E-01	1.4E-06	1.0E-03	7.3E-10	1.6E-01	5.5E-02	6.3E-12
1.0E-03	2.8E-08	1.6E-01	5.5E-02	2.4E-10	5.1E-01	1.4E-06	1.0E-03	7.2E-10	1.6E-01	5.5E-02	6.2E-12
1.0E-03	2.8E-08	1.6E-01	5.5E-02	2.4E-10	5.0E-01	1.4E-06	1.0E-03	7.1E-10	1.6E-01	5.5E-02	6.2E-12
1.0E-03	2.8E-08	1.6E-01	5.5E-02	2.4E-10	4.9E-01	1.4E-06	1.0E-03	7.0E-10	1.6E-01	5.5E-02	6.1E-12
1.0E-03	2.8E-08	1.6E-01	5.5E-02	2.4E-10	4.9E-01	1.4E-06	1.0E-03	6.9E-10	1.6E-01	5.5E-02	6.0E-12
1.0E-03	2.8E-08	1.6E-01	5.5E-02	2.4E-10	4.8E-01	1.4E-06	1.0E-03	6.8E-10	1.6E-01	5.5E-02	5.9E-12
1.0E-03	2.7E-08	1.6E-01	5.5E-02	2.3E-10	4.7E-01	1.4E-06	1.0E-03	6.7E-10	1.6E-01	5.5E-02	5.8E-12
1.0E-03	2.7E-08	1.6E-01	5.5E-02	2.3E-10	4.6E-01	1.4E-06	1.0E-03	6.6E-10	1.6E-01	5.5E-02	5.7E-12
1.0E-03	2.6E-08	1.6E-01	5.5E-02	2.3E-10	4.5E-01	1.4E-06	1.0E-03	6.5E-10	1.6E-01	5.5E-02	5.6E-12
1.0E-03	2.6E-08	1.6E-01	5.5E-02	2.2E-10	4.5E-01	1.4E-06	1.0E-03	6.4E-10	1.6E-01	5.5E-02	5.5E-12
1.0E-03	2.5E-08	1.6E-01	5.5E-02	2.1E-10	4.4E-01	1.4E-06	1.0E-03	6.3E-10	1.6E-01	5.5E-02	5.4E-12
1.0E-03	2.4E-08	1.6E-01	5.5E-02	2.1E-10	4.3E-01	1.4E-06	1.0E-03	6.2E-10	1.6E-01	5.5E-02	5.3E-12
1.0E-03	2.3E-08	1.6E-01	5.5E-02	2.0E-10	4.2E-01	1.4E-06	1.0E-03	6.0E-10	1.6E-01	5.5E-02	5.2E-12
1.0E-03	2.3E-08	1.6E-01	5.5E-02	1.9E-10	4.1E-01	1.4E-06	1.0E-03	5.9E-10	1.6E-01	5.5E-02	5.1E-12
1.0E-03	2.2E-08	1.6E-01	5.5E-02	1.9E-10	4.1E-01	1.4E-06	1.0E-03	5.8E-10	1.6E-01	5.5E-02	5.0E-12
1.0E-03	2.1E-08	1.6E-01	5.5E-02	1.8E-10	4.0E-01	1.4E-06	1.0E-03	5.7E-10	1.6E-01	5.5E-02	4.9E-12
1.0E-03	2.0E-08	1.6E-01	5.5E-02	1.7E-10	5.4E-01	1.4E-06	1.0E-03	7.7E-10	1.6E-01	5.5E-02	6.7E-12
1.0E-03	2.0E-08	1.6E-01	5.5E-02	1.8E-10	5.4E-01	1.4E-06	1.0E-03	7.7E-10	1.6E-01	5.5E-02	6.6E-12
1.0E-03	2.1E-08	1.6E-01	5.5E-02	1.8E-10	5.3E-01	1.4E-06	1.0E-03	7.6E-10	1.6E-01	5.5E-02	6.6E-12
1.0E-03	2.2E-08	1.6E-01	5.5E-02	1.9E-10	5.3E-01	1.4E-06	1.0E-03	7.6E-10	1.6E-01	5.5E-02	6.5E-12
1.0E-03	2.3E-08	1.6E-01	5.5E-02	2.0E-10	5.3E-01	1.4E-06	1.0E-03	7.5E-10	1.6E-01	5.5E-02	6.5E-12
1.0E-03	2.3E-08	1.6E-01	5.5E-02	2.0E-10	5.2E-01	1.4E-06	1.0E-03	7.5E-10	1.6E-01	5.5E-02	6.4E-12
1.0E-03	2.4E-08	1.6E-01	5.5E-02	2.1E-10	5.2E-01	1.4E-06	1.0E-03	7.4E-10	1.6E-01	5.5E-02	6.4E-12
1.0E-03	2.5E-08	1.6E-01	5.5E-02	2.1E-10	5.1E-01	1.4E-06	1.0E-03	7.3E-10	1.6E-01	5.5E-02	6.3E-12
1.0E-03	2.5E-08	1.6E-01	5.5E-02	2.2E-10	5.1E-01	1.4E-06	1.0E-03	7.3E-10	1.6E-01	5.5E-02	6.3E-12
1.0E-03	2.5E-08	1.6E-01	5.5E-02	2.2E-10	5.0E-01	1.4E-06	1.0E-03	7.2E-10	1.6E-01	5.5E-02	6.2E-12
1.0E-03	2.6E-08	1.6E-01	5.5E-02	2.2E-10	5.0E-01	1.4E-06	1.0E-03	7.1E-10	1.6E-01	5.5E-02	6.1E-12
1.0E-03	2.6E-08	1.6E-01	5.5E-02	2.2E-10	4.9E-01	1.4E-06	1.0E-03	7.0E-10	1.6E-01	5.5E-02	6.0E-12
1.0E-03	2.6E-08	1.6E-01	5.5E-02	2.2E-10	4.8E-01	1.4E-06	1.0E-03	6.9E-10	1.6E-01	5.5E-02	6.0E-12
1.0E-03	2.6E-08	1.6E-01	5.5E-02	2.2E-10	4.8E-01	1.4E-06	1.0E-03	6.8E-10	1.6E-01	5.5E-02	5.9E-12
1.0E-03	2.6E-08	1.6E-01	5.5E-02	2.2E-10	4.7E-01	1.4E-06	1.0E-03	6.7E-10	1.6E-01	5.5E-02	5.8E-12
1.0E-03	2.6E-08	1.6E-01	5.5E-02	2.2E-10	4.6E-01	1.4E-06	1.0E-03	6.6E-10	1.6E-01	5.5E-02	5.7E-12
1.0E-03	2.5E-08	1.6E-01	5.5E-02	2.2E-10	4.6E-01	1.4E-06	1.0E-03	6.5E-10	1.6E-01	5.5E-02	5.6E-12
1.0E-03	2.5E-08	1.6E-01	5.5E-02	2.2E-10	4.5E-01	1.4E-06	1.0E-03	6.4E-10	1.6E-01	5.5E-02	5.5E-12
1.0E-03	2.5E-08	1.6E-01	5.5E-02	2.1E-10	4.4E-01	1.4E-06	1.0E-03	6.3E-10	1.6E-01	5.5E-02	5.4E-12
1.0E-03	2.4E-08	1.6E-01	5.5E-02	2.1E-10	4.3E-01	1.4E-06	1.0E-03	6.2E-10	1.6E-01	5.5E-02	5.4E-12
1.0E-03	2.3E-08	1.6E-01	5.5E-02	2.0E-10	4.3E-01	1.4E-06	1.0E-03	6.1E-10	1.6E-01	5.5E-02	5.3E-12
1.0E-03	2.3E-08	1.6E-01	5.5E-02	2.0E-10	4.2E-01	1.4E-06	1.0E-03	6.0E-10	1.6E-01	5.5E-02	5.2E-12
1.0E-03	2.2E-08	1.6E-01	5.5E-02	1.9E-10	4.1E-01	1.4E-06	1.0E-03	5.9E-10	1.6E-01	5.5E-02	5.1E-12
1.0E-03	2.1E-08	1.6E-01	5.5E-02	1.8E-10	4.0E-01	1.4E-06	1.0E-03	5.8E-10	1.6E-01	5.5E-02	5.0E-12

1.0E-03	2.1E-08	1.6E-01	5.5E-02	1.8E-10	4.0E-01	1.4E-06	1.0E-03	5.7E-10	1.6E-01	5.5E-02	4.9E-12
1.0E-03	2.0E-08	1.6E-01	5.5E-02	1.7E-10	3.9E-01	1.4E-06	1.0E-03	5.6E-10	1.6E-01	5.5E-02	4.8E-12
1.0E-03	1.8E-08	1.6E-01	5.5E-02	1.6E-10	5.2E-01	1.4E-06	1.0E-03	7.5E-10	1.6E-01	5.5E-02	6.4E-12
1.0E-03	1.9E-08	1.6E-01	5.5E-02	1.6E-10	5.2E-01	1.4E-06	1.0E-03	7.4E-10	1.6E-01	5.5E-02	6.4E-12
1.0E-03	2.0E-08	1.6E-01	5.5E-02	1.7E-10	5.2E-01	1.4E-06	1.0E-03	7.4E-10	1.6E-01	5.5E-02	6.4E-12
1.0E-03	2.0E-08	1.6E-01	5.5E-02	1.8E-10	5.1E-01	1.4E-06	1.0E-03	7.3E-10	1.6E-01	5.5E-02	6.3E-12
1.0E-03	2.1E-08	1.6E-01	5.5E-02	1.8E-10	5.1E-01	1.4E-06	1.0E-03	7.3E-10	1.6E-01	5.5E-02	6.3E-12
1.0E-03	2.2E-08	1.6E-01	5.5E-02	1.9E-10	5.0E-01	1.4E-06	1.0E-03	7.2E-10	1.6E-01	5.5E-02	6.2E-12
1.0E-03	2.2E-08	1.6E-01	5.5E-02	1.9E-10	5.0E-01	1.4E-06	1.0E-03	7.2E-10	1.6E-01	5.5E-02	6.2E-12
1.0E-03	2.3E-08	1.6E-01	5.5E-02	2.0E-10	5.0E-01	1.4E-06	1.0E-03	7.1E-10	1.6E-01	5.5E-02	6.1E-12
1.0E-03	2.3E-08	1.6E-01	5.5E-02	2.0E-10	4.9E-01	1.4E-06	1.0E-03	7.0E-10	1.6E-01	5.5E-02	6.0E-12
1.0E-03	2.4E-08	1.6E-01	5.5E-02	2.0E-10	4.9E-01	1.4E-06	1.0E-03	7.0E-10	1.6E-01	5.5E-02	6.0E-12
1.0E-03	2.4E-08	1.6E-01	5.5E-02	2.1E-10	4.8E-01	1.4E-06	1.0E-03	6.9E-10	1.6E-01	5.5E-02	5.9E-12
1.0E-03	2.4E-08	1.6E-01	5.5E-02	2.1E-10	4.7E-01	1.4E-06	1.0E-03	6.8E-10	1.6E-01	5.5E-02	5.8E-12
1.0E-03	2.4E-08	1.6E-01	5.5E-02	2.1E-10	4.7E-01	1.4E-06	1.0E-03	6.7E-10	1.6E-01	5.5E-02	5.8E-12
1.0E-03	2.4E-08	1.6E-01	5.5E-02	2.1E-10	4.6E-01	1.4E-06	1.0E-03	6.6E-10	1.6E-01	5.5E-02	5.7E-12
1.0E-03	2.4E-08	1.6E-01	5.5E-02	2.1E-10	4.6E-01	1.4E-06	1.0E-03	6.5E-10	1.6E-01	5.5E-02	5.6E-12
1.0E-03	2.4E-08	1.6E-01	5.5E-02	2.1E-10	4.5E-01	1.4E-06	1.0E-03	6.4E-10	1.6E-01	5.5E-02	5.5E-12
1.0E-03	2.4E-08	1.6E-01	5.5E-02	2.0E-10	4.4E-01	1.4E-06	1.0E-03	6.3E-10	1.6E-01	5.5E-02	5.5E-12
1.0E-03	2.3E-08	1.6E-01	5.5E-02	2.0E-10	4.4E-01	1.4E-06	1.0E-03	6.2E-10	1.6E-01	5.5E-02	5.4E-12
1.0E-03	2.3E-08	1.6E-01	5.5E-02	2.0E-10	4.3E-01	1.4E-06	1.0E-03	6.1E-10	1.6E-01	5.5E-02	5.3E-12
1.0E-03	2.2E-08	1.6E-01	5.5E-02	1.9E-10	4.2E-01	1.4E-06	1.0E-03	6.0E-10	1.6E-01	5.5E-02	5.2E-12
1.0E-03	2.2E-08	1.6E-01	5.5E-02	1.9E-10	4.1E-01	1.4E-06	1.0E-03	5.9E-10	1.6E-01	5.5E-02	5.1E-12
1.0E-03	2.1E-08	1.6E-01	5.5E-02	1.8E-10	4.1E-01	1.4E-06	1.0E-03	5.8E-10	1.6E-01	5.5E-02	5.0E-12
1.0E-03	2.1E-08	1.6E-01	5.5E-02	1.8E-10	4.0E-01	1.4E-06	1.0E-03	5.7E-10	1.6E-01	5.5E-02	4.9E-12
1.0E-03	2.0E-08	1.6E-01	5.5E-02	1.7E-10	3.9E-01	1.4E-06	1.0E-03	5.6E-10	1.6E-01	5.5E-02	4.8E-12
1.0E-03	2.0E-08	1.6E-01	5.5E-02	1.7E-10	3.9E-01	1.4E-06	1.0E-03	5.5E-10	1.6E-01	5.5E-02	4.8E-12
1.0E-03	1.9E-08	1.6E-01	5.5E-02	1.6E-10	3.8E-01	1.4E-06	1.0E-03	5.4E-10	1.6E-01	5.5E-02	4.7E-12

Risk From New Building Grading - Unmitigated Residential

Franklin School Project

Risk From New Building Grading - Unmitigated Residential

	0.84	Max							
						Onsite			
Receptor #	**Total/ Million**	**Total**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
1	0.00	3.0E-09	2.0E-01	6.7E-03	1.0E-03	1.4E-06	1.6E-01	1.4E-02	3.0E-09
2	0.00	3.3E-09	2.2E-01	6.7E-03	1.0E-03	1.5E-06	1.6E-01	1.4E-02	3.3E-09
3	0.00	3.6E-09	2.4E-01	6.7E-03	1.0E-03	1.7E-06	1.6E-01	1.4E-02	3.6E-09
4	0.00	3.9E-09	2.6E-01	6.7E-03	1.0E-03	1.8E-06	1.6E-01	1.4E-02	3.9E-09
5	0.00	4.3E-09	2.9E-01	6.7E-03	1.0E-03	2.0E-06	1.6E-01	1.4E-02	4.3E-09
6	0.00	4.6E-09	3.1E-01	6.7E-03	1.0E-03	2.2E-06	1.6E-01	1.4E-02	4.6E-09
7	0.00	5.0E-09	3.3E-01	6.7E-03	1.0E-03	2.3E-06	1.6E-01	1.4E-02	5.0E-09
8	0.01	5.3E-09	3.5E-01	6.7E-03	1.0E-03	2.4E-06	1.6E-01	1.4E-02	5.3E-09
9	0.01	5.6E-09	3.7E-01	6.7E-03	1.0E-03	2.6E-06	1.6E-01	1.4E-02	5.6E-09
10	0.01	5.9E-09	3.9E-01	6.7E-03	1.0E-03	2.7E-06	1.6E-01	1.4E-02	5.9E-09
11	0.01	6.4E-09	4.2E-01	6.7E-03	1.0E-03	3.0E-06	1.6E-01	1.4E-02	6.4E-09
12	0.01	6.8E-09	4.5E-01	6.7E-03	1.0E-03	3.2E-06	1.6E-01	1.4E-02	6.8E-09
13	0.01	7.3E-09	4.8E-01	6.7E-03	1.0E-03	3.4E-06	1.6E-01	1.4E-02	7.3E-09
14	0.01	7.6E-09	5.0E-01	6.7E-03	1.0E-03	3.5E-06	1.6E-01	1.4E-02	7.6E-09
15	0.01	7.8E-09	5.2E-01	6.7E-03	1.0E-03	3.6E-06	1.6E-01	1.4E-02	7.8E-09
16	0.01	7.9E-09	5.3E-01	6.7E-03	1.0E-03	3.7E-06	1.6E-01	1.4E-02	7.9E-09
17	0.00	3.3E-09	2.2E-01	6.7E-03	1.0E-03	1.6E-06	1.6E-01	1.4E-02	3.3E-09
18	0.00	3.7E-09	2.5E-01	6.7E-03	1.0E-03	1.7E-06	1.6E-01	1.4E-02	3.7E-09
19	0.00	4.2E-09	2.8E-01	6.7E-03	1.0E-03	1.9E-06	1.6E-01	1.4E-02	4.2E-09
20	0.00	4.6E-09	3.1E-01	6.7E-03	1.0E-03	2.2E-06	1.6E-01	1.4E-02	4.6E-09
21	0.01	5.1E-09	3.4E-01	6.7E-03	1.0E-03	2.4E-06	1.6E-01	1.4E-02	5.1E-09
22	0.01	5.6E-09	3.7E-01	6.7E-03	1.0E-03	2.6E-06	1.6E-01	1.4E-02	5.6E-09
23	0.01	6.1E-09	4.0E-01	6.7E-03	1.0E-03	2.8E-06	1.6E-01	1.4E-02	6.1E-09
24	0.01	6.5E-09	4.3E-01	6.7E-03	1.0E-03	3.0E-06	1.6E-01	1.4E-02	6.5E-09
25	0.01	7.0E-09	4.6E-01	6.7E-03	1.0E-03	3.2E-06	1.6E-01	1.4E-02	7.0E-09
26	0.01	7.4E-09	4.9E-01	6.7E-03	1.0E-03	3.5E-06	1.6E-01	1.4E-02	7.4E-09
27	0.01	8.2E-09	5.4E-01	6.7E-03	1.0E-03	3.8E-06	1.6E-01	1.4E-02	8.2E-09
28	0.01	8.8E-09	5.9E-01	6.7E-03	1.0E-03	4.1E-06	1.6E-01	1.4E-02	8.8E-09
29	0.01	9.4E-09	6.2E-01	6.7E-03	1.0E-03	4.4E-06	1.6E-01	1.4E-02	9.4E-09
30	0.01	9.8E-09	6.5E-01	6.7E-03	1.0E-03	4.5E-06	1.6E-01	1.4E-02	9.8E-09
31	0.01	9.9E-09	6.6E-01	6.7E-03	1.0E-03	4.6E-06	1.6E-01	1.4E-02	9.9E-09
32	0.01	9.9E-09	6.5E-01	6.7E-03	1.0E-03	4.6E-06	1.6E-01	1.4E-02	9.9E-09
33	0.00	3.8E-09	2.5E-01	6.7E-03	1.0E-03	1.7E-06	1.6E-01	1.4E-02	3.8E-09
34	0.00	4.3E-09	2.8E-01	6.7E-03	1.0E-03	2.0E-06	1.6E-01	1.4E-02	4.3E-09
35	0.00	4.8E-09	3.2E-01	6.7E-03	1.0E-03	2.2E-06	1.6E-01	1.4E-02	4.8E-09
36	0.01	5.5E-09	3.6E-01	6.7E-03	1.0E-03	2.5E-06	1.6E-01	1.4E-02	5.5E-09
37	0.01	6.2E-09	4.1E-01	6.7E-03	1.0E-03	2.9E-06	1.6E-01	1.4E-02	6.2E-09
38	0.01	6.9E-09	4.6E-01	6.7E-03	1.0E-03	3.2E-06	1.6E-01	1.4E-02	6.9E-09
39	0.01	7.6E-09	5.1E-01	6.7E-03	1.0E-03	3.5E-06	1.6E-01	1.4E-02	7.6E-09
40	0.01	8.3E-09	5.5E-01	6.7E-03	1.0E-03	3.8E-06	1.6E-01	1.4E-02	8.3E-09
41	0.01	9.0E-09	5.9E-01	6.7E-03	1.0E-03	4.2E-06	1.6E-01	1.4E-02	9.0E-09
42	0.01	9.7E-09	6.5E-01	6.7E-03	1.0E-03	4.5E-06	1.6E-01	1.4E-02	9.7E-09
43	0.01	1.1E-08	7.2E-01	6.7E-03	1.0E-03	5.1E-06	1.6E-01	1.4E-02	1.1E-08

44	0.01	1.2E-08	7.8E-01	6.7E-03	1.0E-03	5.5E-06	1.6E-01	1.4E-02	1.2E-08
45	0.01	1.2E-08	8.3E-01	6.7E-03	1.0E-03	5.8E-06	1.6E-01	1.4E-02	1.2E-08
46	0.01	1.3E-08	8.5E-01	6.7E-03	1.0E-03	5.9E-06	1.6E-01	1.4E-02	1.3E-08
47	0.01	1.3E-08	8.4E-01	6.7E-03	1.0E-03	5.9E-06	1.6E-01	1.4E-02	1.3E-08
48	0.01	1.2E-08	8.1E-01	6.7E-03	1.0E-03	5.7E-06	1.6E-01	1.4E-02	1.2E-08
49	0.00	4.2E-09	2.8E-01	6.7E-03	1.0E-03	2.0E-06	1.6E-01	1.4E-02	4.2E-09
50	0.00	4.9E-09	3.2E-01	6.7E-03	1.0E-03	2.3E-06	1.6E-01	1.4E-02	4.9E-09
51	0.01	5.7E-09	3.8E-01	6.7E-03	1.0E-03	2.6E-06	1.6E-01	1.4E-02	5.7E-09
52	0.01	6.6E-09	4.4E-01	6.7E-03	1.0E-03	3.1E-06	1.6E-01	1.4E-02	6.6E-09
53	0.01	7.6E-09	5.0E-01	6.7E-03	1.0E-03	3.5E-06	1.6E-01	1.4E-02	7.6E-09
54	0.01	8.7E-09	5.8E-01	6.7E-03	1.0E-03	4.0E-06	1.6E-01	1.4E-02	8.7E-09
55	0.01	9.8E-09	6.5E-01	6.7E-03	1.0E-03	4.6E-06	1.6E-01	1.4E-02	9.8E-09
56	0.01	1.1E-08	7.2E-01	6.7E-03	1.0E-03	5.0E-06	1.6E-01	1.4E-02	1.1E-08
57	0.01	1.2E-08	7.9E-01	6.7E-03	1.0E-03	5.6E-06	1.6E-01	1.4E-02	1.2E-08
58	0.01	1.3E-08	8.9E-01	6.7E-03	1.0E-03	6.2E-06	1.6E-01	1.4E-02	1.3E-08
59	0.02	1.5E-08	1.0E+00	6.7E-03	1.0E-03	7.1E-06	1.6E-01	1.4E-02	1.5E-08
60	0.02	1.6E-08	1.1E+00	6.7E-03	1.0E-03	7.6E-06	1.6E-01	1.4E-02	1.6E-08
61	0.02	1.7E-08	1.1E+00	6.7E-03	1.0E-03	7.9E-06	1.6E-01	1.4E-02	1.7E-08
62	0.02	1.7E-08	1.1E+00	6.7E-03	1.0E-03	7.9E-06	1.6E-01	1.4E-02	1.7E-08
63	0.02	1.6E-08	1.1E+00	6.7E-03	1.0E-03	7.5E-06	1.6E-01	1.4E-02	1.6E-08
64	0.02	1.5E-08	1.0E+00	6.7E-03	1.0E-03	7.0E-06	1.6E-01	1.4E-02	1.5E-08
65	0.00	4.7E-09	3.1E-01	6.7E-03	1.0E-03	2.2E-06	1.6E-01	1.4E-02	4.7E-09
66	0.01	5.6E-09	3.7E-01	6.7E-03	1.0E-03	2.6E-06	1.6E-01	1.4E-02	5.6E-09
67	0.01	6.6E-09	4.4E-01	6.7E-03	1.0E-03	3.1E-06	1.6E-01	1.4E-02	6.6E-09
68	0.01	8.0E-09	5.3E-01	6.7E-03	1.0E-03	3.7E-06	1.6E-01	1.4E-02	8.0E-09
69	0.01	9.5E-09	6.3E-01	6.7E-03	1.0E-03	4.4E-06	1.6E-01	1.4E-02	9.5E-09
70	0.01	1.1E-08	7.5E-01	6.7E-03	1.0E-03	5.3E-06	1.6E-01	1.4E-02	1.1E-08
71	0.01	1.3E-08	8.8E-01	6.7E-03	1.0E-03	6.2E-06	1.6E-01	1.4E-02	1.3E-08
72	0.02	1.5E-08	1.0E+00	6.7E-03	1.0E-03	7.0E-06	1.6E-01	1.4E-02	1.5E-08
73	0.02	1.7E-08	1.1E+00	6.7E-03	1.0E-03	8.0E-06	1.6E-01	1.4E-02	1.7E-08
74	0.02	2.0E-08	1.3E+00	6.7E-03	1.0E-03	9.3E-06	1.6E-01	1.4E-02	2.0E-08
75	0.02	2.3E-08	1.5E+00	6.7E-03	1.0E-03	1.0E-05	1.6E-01	1.4E-02	2.3E-08
76	0.02	2.4E-08	1.6E+00	6.7E-03	1.0E-03	1.1E-05	1.6E-01	1.4E-02	2.4E-08
77	0.02	2.4E-08	1.6E+00	6.7E-03	1.0E-03	1.1E-05	1.6E-01	1.4E-02	2.4E-08
78	0.02	2.2E-08	1.5E+00	6.7E-03	1.0E-03	1.0E-05	1.6E-01	1.4E-02	2.2E-08
79	0.02	2.1E-08	1.4E+00	6.7E-03	1.0E-03	9.5E-06	1.6E-01	1.4E-02	2.1E-08
80	0.02	1.8E-08	1.2E+00	6.7E-03	1.0E-03	8.5E-06	1.6E-01	1.4E-02	1.8E-08
81	0.01	5.3E-09	3.5E-01	6.7E-03	1.0E-03	2.4E-06	1.6E-01	1.4E-02	5.3E-09
82	0.01	6.4E-09	4.2E-01	6.7E-03	1.0E-03	3.0E-06	1.6E-01	1.4E-02	6.4E-09
83	0.01	7.8E-09	5.2E-01	6.7E-03	1.0E-03	3.6E-06	1.6E-01	1.4E-02	7.8E-09
84	0.01	9.7E-09	6.4E-01	6.7E-03	1.0E-03	4.5E-06	1.6E-01	1.4E-02	9.7E-09
85	0.01	1.2E-08	8.1E-01	6.7E-03	1.0E-03	5.6E-06	1.6E-01	1.4E-02	1.2E-08
86	0.02	1.5E-08	1.0E+00	6.7E-03	1.0E-03	7.1E-06	1.6E-01	1.4E-02	1.5E-08
87	0.02	1.9E-08	1.3E+00	6.7E-03	1.0E-03	8.8E-06	1.6E-01	1.4E-02	1.9E-08
88	0.02	2.3E-08	1.5E+00	6.7E-03	1.0E-03	1.1E-05	1.6E-01	1.4E-02	2.3E-08
89	0.03	2.7E-08	1.8E+00	6.7E-03	1.0E-03	1.3E-05	1.6E-01	1.4E-02	2.7E-08
90	0.03	3.3E-08	2.2E+00	6.7E-03	1.0E-03	1.5E-05	1.6E-01	1.4E-02	3.3E-08
91	0.04	3.6E-08	2.4E+00	6.7E-03	1.0E-03	1.7E-05	1.6E-01	1.4E-02	3.6E-08
92	0.04	3.6E-08	2.4E+00	6.7E-03	1.0E-03	1.7E-05	1.6E-01	1.4E-02	3.6E-08

93	0.03	3.3E-08	2.2E+00	6.7E-03	1.0E-03	1.5E-05	1.6E-01	1.4E-02	3.3E-08
94	0.03	2.9E-08	1.9E+00	6.7E-03	1.0E-03	1.4E-05	1.6E-01	1.4E-02	2.9E-08
95	0.03	2.5E-08	1.7E+00	6.7E-03	1.0E-03	1.2E-05	1.6E-01	1.4E-02	2.5E-08
96	0.02	2.1E-08	1.4E+00	6.7E-03	1.0E-03	9.9E-06	1.6E-01	1.4E-02	2.1E-08
97	0.01	5.8E-09	3.8E-01	6.7E-03	1.0E-03	2.7E-06	1.6E-01	1.4E-02	5.8E-09
98	0.01	7.2E-09	4.7E-01	6.7E-03	1.0E-03	3.3E-06	1.6E-01	1.4E-02	7.2E-09
99	0.01	9.1E-09	6.0E-01	6.7E-03	1.0E-03	4.2E-06	1.6E-01	1.4E-02	9.1E-09
100	0.01	1.2E-08	7.8E-01	6.7E-03	1.0E-03	5.5E-06	1.6E-01	1.4E-02	1.2E-08
101	0.02	1.6E-08	1.0E+00	6.7E-03	1.0E-03	7.3E-06	1.6E-01	1.4E-02	1.6E-08
102	0.02	2.1E-08	1.4E+00	6.7E-03	1.0E-03	9.9E-06	1.6E-01	1.4E-02	2.1E-08
103	0.03	2.9E-08	1.9E+00	6.7E-03	1.0E-03	1.3E-05	1.6E-01	1.4E-02	2.9E-08
104	0.04	3.8E-08	2.6E+00	6.7E-03	1.0E-03	1.8E-05	1.6E-01	1.4E-02	3.8E-08
105	0.05	5.0E-08	3.3E+00	6.7E-03	1.0E-03	2.3E-05	1.6E-01	1.4E-02	5.0E-08
106	0.06	6.0E-08	4.0E+00	6.7E-03	1.0E-03	2.8E-05	1.6E-01	1.4E-02	6.0E-08
107	0.06	6.0E-08	4.0E+00	6.7E-03	1.0E-03	2.8E-05	1.6E-01	1.4E-02	6.0E-08
108	0.05	5.4E-08	3.6E+00	6.7E-03	1.0E-03	2.5E-05	1.6E-01	1.4E-02	5.4E-08
109	0.04	4.5E-08	3.0E+00	6.7E-03	1.0E-03	2.1E-05	1.6E-01	1.4E-02	4.5E-08
110	0.04	3.6E-08	2.4E+00	6.7E-03	1.0E-03	1.7E-05	1.6E-01	1.4E-02	3.6E-08
111	0.03	2.9E-08	1.9E+00	6.7E-03	1.0E-03	1.4E-05	1.6E-01	1.4E-02	2.9E-08
112	0.02	2.4E-08	1.6E+00	6.7E-03	1.0E-03	1.1E-05	1.6E-01	1.4E-02	2.4E-08
113	0.01	6.3E-09	4.2E-01	6.7E-03	1.0E-03	2.9E-06	1.6E-01	1.4E-02	6.3E-09
114	0.01	7.9E-09	5.3E-01	6.7E-03	1.0E-03	3.7E-06	1.6E-01	1.4E-02	7.9E-09
115	0.01	1.0E-08	6.9E-01	6.7E-03	1.0E-03	4.8E-06	1.6E-01	1.4E-02	1.0E-08
116	0.01	1.4E-08	9.4E-01	6.7E-03	1.0E-03	6.5E-06	1.6E-01	1.4E-02	1.4E-08
117	0.02	2.0E-08	1.3E+00	6.7E-03	1.0E-03	9.3E-06	1.6E-01	1.4E-02	2.0E-08
118	0.13	1.3E-07	8.4E+00	6.7E-03	1.0E-03	5.9E-05	1.6E-01	1.4E-02	1.3E-07
119	0.10	1.0E-07	6.7E+00	6.7E-03	1.0E-03	4.7E-05	1.6E-01	1.4E-02	1.0E-07
120	0.08	7.6E-08	5.1E+00	6.7E-03	1.0E-03	3.5E-05	1.6E-01	1.4E-02	7.6E-08
121	0.06	5.7E-08	3.8E+00	6.7E-03	1.0E-03	2.6E-05	1.6E-01	1.4E-02	5.7E-08
122	0.04	4.2E-08	2.8E+00	6.7E-03	1.0E-03	2.0E-05	1.6E-01	1.4E-02	4.2E-08
123	0.03	3.2E-08	2.1E+00	6.7E-03	1.0E-03	1.5E-05	1.6E-01	1.4E-02	3.2E-08
124	0.02	2.5E-08	1.6E+00	6.7E-03	1.0E-03	1.1E-05	1.6E-01	1.4E-02	2.5E-08
125	0.01	6.6E-09	4.4E-01	6.7E-03	1.0E-03	3.1E-06	1.6E-01	1.4E-02	6.6E-09
126	0.01	8.5E-09	5.6E-01	6.7E-03	1.0E-03	4.0E-06	1.6E-01	1.4E-02	8.5E-09
127	0.01	1.1E-08	7.6E-01	6.7E-03	1.0E-03	5.3E-06	1.6E-01	1.4E-02	1.1E-08
128	0.02	1.6E-08	1.1E+00	6.7E-03	1.0E-03	7.5E-06	1.6E-01	1.4E-02	1.6E-08
129	0.02	2.4E-08	1.6E+00	6.7E-03	1.0E-03	1.1E-05	1.6E-01	1.4E-02	2.4E-08
130	0.26	2.6E-07	1.7E+01	6.7E-03	1.0E-03	1.2E-04	1.6E-01	1.4E-02	2.6E-07
131	0.15	1.5E-07	1.0E+01	6.7E-03	1.0E-03	7.0E-05	1.6E-01	1.4E-02	1.5E-07
132	0.10	9.5E-08	6.3E+00	6.7E-03	1.0E-03	4.4E-05	1.6E-01	1.4E-02	9.5E-08
133	0.06	6.4E-08	4.2E+00	6.7E-03	1.0E-03	3.0E-05	1.6E-01	1.4E-02	6.4E-08
134	0.04	4.4E-08	2.9E+00	6.7E-03	1.0E-03	2.1E-05	1.6E-01	1.4E-02	4.4E-08
135	0.03	3.2E-08	2.1E+00	6.7E-03	1.0E-03	1.5E-05	1.6E-01	1.4E-02	3.2E-08
136	0.02	2.4E-08	1.6E+00	6.7E-03	1.0E-03	1.1E-05	1.6E-01	1.4E-02	2.4E-08
137	0.01	6.8E-09	4.5E-01	6.7E-03	1.0E-03	3.1E-06	1.6E-01	1.4E-02	6.8E-09
138	0.01	8.8E-09	5.9E-01	6.7E-03	1.0E-03	4.1E-06	1.6E-01	1.4E-02	8.8E-09
139	0.01	1.2E-08	7.9E-01	6.7E-03	1.0E-03	5.5E-06	1.6E-01	1.4E-02	1.2E-08
140	0.02	1.7E-08	1.1E+00	6.7E-03	1.0E-03	8.0E-06	1.6E-01	1.4E-02	1.7E-08
141	0.03	2.6E-08	1.8E+00	6.7E-03	1.0E-03	1.2E-05	1.6E-01	1.4E-02	2.6E-08

142	0.38	3.8E-07	2.5E+01	6.7E-03	1.0E-03	1.8E-04	1.6E-01	1.4E-02	3.8E-07
143	0.18	1.8E-07	1.2E+01	6.7E-03	1.0E-03	8.5E-05	1.6E-01	1.4E-02	1.8E-07
144	0.10	1.0E-07	6.7E+00	6.7E-03	1.0E-03	4.7E-05	1.6E-01	1.4E-02	1.0E-07
145	0.06	6.3E-08	4.2E+00	6.7E-03	1.0E-03	2.9E-05	1.6E-01	1.4E-02	6.3E-08
146	0.04	4.2E-08	2.8E+00	6.7E-03	1.0E-03	1.9E-05	1.6E-01	1.4E-02	4.2E-08
147	0.03	2.9E-08	1.9E+00	6.7E-03	1.0E-03	1.4E-05	1.6E-01	1.4E-02	2.9E-08
148	0.02	2.2E-08	1.4E+00	6.7E-03	1.0E-03	1.0E-05	1.6E-01	1.4E-02	2.2E-08
149	0.01	6.7E-09	4.5E-01	6.7E-03	1.0E-03	3.1E-06	1.6E-01	1.4E-02	6.7E-09
150	0.01	8.6E-09	5.7E-01	6.7E-03	1.0E-03	4.0E-06	1.6E-01	1.4E-02	8.6E-09
151	0.01	1.2E-08	7.8E-01	6.7E-03	1.0E-03	5.5E-06	1.6E-01	1.4E-02	1.2E-08
152	0.02	1.7E-08	1.1E+00	6.7E-03	1.0E-03	7.8E-06	1.6E-01	1.4E-02	1.7E-08
153	0.03	2.6E-08	1.7E+00	6.7E-03	1.0E-03	1.2E-05	1.6E-01	1.4E-02	2.6E-08
154	0.58	5.8E-07	3.8E+01	6.7E-03	1.0E-03	2.7E-04	1.6E-01	1.4E-02	5.8E-07
155	0.17	1.7E-07	1.1E+01	6.7E-03	1.0E-03	8.0E-05	1.6E-01	1.4E-02	1.7E-07
156	0.08	8.4E-08	5.6E+00	6.7E-03	1.0E-03	3.9E-05	1.6E-01	1.4E-02	8.4E-08
157	0.05	5.4E-08	3.6E+00	6.7E-03	1.0E-03	2.5E-05	1.6E-01	1.4E-02	5.4E-08
158	0.04	3.5E-08	2.4E+00	6.7E-03	1.0E-03	1.6E-05	1.6E-01	1.4E-02	3.5E-08
159	0.03	2.5E-08	1.7E+00	6.7E-03	1.0E-03	1.2E-05	1.6E-01	1.4E-02	2.5E-08
160	0.02	1.9E-08	1.2E+00	6.7E-03	1.0E-03	8.7E-06	1.6E-01	1.4E-02	1.9E-08
161	0.01	6.1E-09	4.0E-01	6.7E-03	1.0E-03	2.8E-06	1.6E-01	1.4E-02	6.1E-09
162	0.01	7.8E-09	5.2E-01	6.7E-03	1.0E-03	3.6E-06	1.6E-01	1.4E-02	7.8E-09
163	0.01	1.0E-08	6.9E-01	6.7E-03	1.0E-03	4.8E-06	1.6E-01	1.4E-02	1.0E-08
164	0.02	1.5E-08	1.0E+00	6.7E-03	1.0E-03	7.1E-06	1.6E-01	1.4E-02	1.5E-08
165	0.02	2.4E-08	1.6E+00	6.7E-03	1.0E-03	1.1E-05	1.6E-01	1.4E-02	2.4E-08
166	0.04	4.0E-08	2.7E+00	6.7E-03	1.0E-03	1.9E-05	1.6E-01	1.4E-02	4.0E-08
167	0.08	8.3E-08	5.5E+00	6.7E-03	1.0E-03	3.8E-05	1.6E-01	1.4E-02	8.3E-08
168	0.23	2.3E-07	1.5E+01	6.7E-03	1.0E-03	1.0E-04	1.6E-01	1.4E-02	2.3E-07
169	0.37	3.7E-07	2.5E+01	6.7E-03	1.0E-03	1.7E-04	1.6E-01	1.4E-02	3.7E-07
170	0.24	2.4E-07	1.6E+01	6.7E-03	1.0E-03	1.1E-04	1.6E-01	1.4E-02	2.4E-07
171	0.12	1.2E-07	7.8E+00	6.7E-03	1.0E-03	5.4E-05	1.6E-01	1.4E-02	1.2E-07
172	0.06	6.1E-08	4.0E+00	6.7E-03	1.0E-03	2.8E-05	1.6E-01	1.4E-02	6.1E-08
173	0.04	4.0E-08	2.6E+00	6.7E-03	1.0E-03	1.8E-05	1.6E-01	1.4E-02	4.0E-08
174	0.03	2.9E-08	1.9E+00	6.7E-03	1.0E-03	1.4E-05	1.6E-01	1.4E-02	2.9E-08
175	0.02	2.1E-08	1.4E+00	6.7E-03	1.0E-03	9.8E-06	1.6E-01	1.4E-02	2.1E-08
176	0.02	1.6E-08	1.1E+00	6.7E-03	1.0E-03	7.4E-06	1.6E-01	1.4E-02	1.6E-08
177	0.01	5.7E-09	3.8E-01	6.7E-03	1.0E-03	2.6E-06	1.6E-01	1.4E-02	5.7E-09
178	0.01	7.2E-09	4.8E-01	6.7E-03	1.0E-03	3.3E-06	1.6E-01	1.4E-02	7.2E-09
179	0.01	9.2E-09	6.1E-01	6.7E-03	1.0E-03	4.3E-06	1.6E-01	1.4E-02	9.2E-09
180	0.01	1.4E-08	9.0E-01	6.7E-03	1.0E-03	6.3E-06	1.6E-01	1.4E-02	1.4E-08
181	0.02	2.0E-08	1.3E+00	6.7E-03	1.0E-03	9.2E-06	1.6E-01	1.4E-02	2.0E-08
182	0.03	3.0E-08	2.0E+00	6.7E-03	1.0E-03	1.4E-05	1.6E-01	1.4E-02	3.0E-08
183	0.05	5.2E-08	3.4E+00	6.7E-03	1.0E-03	2.4E-05	1.6E-01	1.4E-02	5.2E-08
184	0.09	8.7E-08	5.8E+00	6.7E-03	1.0E-03	4.1E-05	1.6E-01	1.4E-02	8.7E-08
185	0.12	1.2E-07	7.8E+00	6.7E-03	1.0E-03	5.5E-05	1.6E-01	1.4E-02	1.2E-07
186	0.10	1.0E-07	6.9E+00	6.7E-03	1.0E-03	4.8E-05	1.6E-01	1.4E-02	1.0E-07
187	0.07	7.3E-08	4.8E+00	6.7E-03	1.0E-03	3.4E-05	1.6E-01	1.4E-02	7.3E-08
188	0.05	4.8E-08	3.2E+00	6.7E-03	1.0E-03	2.2E-05	1.6E-01	1.4E-02	4.8E-08
189	0.03	3.1E-08	2.0E+00	6.7E-03	1.0E-03	1.4E-05	1.6E-01	1.4E-02	3.1E-08
190	0.02	2.4E-08	1.6E+00	6.7E-03	1.0E-03	1.1E-05	1.6E-01	1.4E-02	2.4E-08

191	0.02	1.8E-08	1.2E+00	6.7E-03	1.0E-03	8.4E-06	1.6E-01	1.4E-02	1.8E-08
192	0.01	1.4E-08	9.2E-01	6.7E-03	1.0E-03	6.4E-06	1.6E-01	1.4E-02	1.4E-08
193	0.01	5.3E-09	3.5E-01	6.7E-03	1.0E-03	2.4E-06	1.6E-01	1.4E-02	5.3E-09
194	0.01	6.7E-09	4.5E-01	6.7E-03	1.0E-03	3.1E-06	1.6E-01	1.4E-02	6.7E-09
195	0.01	8.9E-09	5.9E-01	6.7E-03	1.0E-03	4.1E-06	1.6E-01	1.4E-02	8.9E-09
196	0.01	1.2E-08	7.8E-01	6.7E-03	1.0E-03	5.4E-06	1.6E-01	1.4E-02	1.2E-08
197	0.02	1.6E-08	1.1E+00	6.7E-03	1.0E-03	7.4E-06	1.6E-01	1.4E-02	1.6E-08
198	0.02	2.3E-08	1.5E+00	6.7E-03	1.0E-03	1.1E-05	1.6E-01	1.4E-02	2.3E-08
199	0.03	3.4E-08	2.2E+00	6.7E-03	1.0E-03	1.6E-05	1.6E-01	1.4E-02	3.4E-08
200	0.05	4.8E-08	3.2E+00	6.7E-03	1.0E-03	2.2E-05	1.6E-01	1.4E-02	4.8E-08
201	0.06	5.8E-08	3.9E+00	6.7E-03	1.0E-03	2.7E-05	1.6E-01	1.4E-02	5.8E-08
202	0.06	5.6E-08	3.7E+00	6.7E-03	1.0E-03	2.6E-05	1.6E-01	1.4E-02	5.6E-08
203	0.04	4.4E-08	2.9E+00	6.7E-03	1.0E-03	2.1E-05	1.6E-01	1.4E-02	4.4E-08
204	0.03	3.4E-08	2.3E+00	6.7E-03	1.0E-03	1.6E-05	1.6E-01	1.4E-02	3.4E-08
205	0.03	2.6E-08	1.7E+00	6.7E-03	1.0E-03	1.2E-05	1.6E-01	1.4E-02	2.6E-08
206	0.02	1.9E-08	1.2E+00	6.7E-03	1.0E-03	8.7E-06	1.6E-01	1.4E-02	1.9E-08
207	0.02	1.6E-08	1.0E+00	6.7E-03	1.0E-03	7.2E-06	1.6E-01	1.4E-02	1.6E-08
208	0.01	1.2E-08	8.2E-01	6.7E-03	1.0E-03	5.7E-06	1.6E-01	1.4E-02	1.2E-08
209	0.01	5.2E-09	3.4E-01	6.7E-03	1.0E-03	2.4E-06	1.6E-01	1.4E-02	5.2E-09
210	0.01	6.3E-09	4.2E-01	6.7E-03	1.0E-03	2.9E-06	1.6E-01	1.4E-02	6.3E-09
211	0.01	7.8E-09	5.2E-01	6.7E-03	1.0E-03	3.6E-06	1.6E-01	1.4E-02	7.8E-09
212	0.01	9.9E-09	6.5E-01	6.7E-03	1.0E-03	4.6E-06	1.6E-01	1.4E-02	9.9E-09
213	0.01	1.3E-08	8.5E-01	6.7E-03	1.0E-03	6.0E-06	1.6E-01	1.4E-02	1.3E-08
214	0.02	1.7E-08	1.2E+00	6.7E-03	1.0E-03	8.1E-06	1.6E-01	1.4E-02	1.7E-08
215	0.02	2.4E-08	1.6E+00	6.7E-03	1.0E-03	1.1E-05	1.6E-01	1.4E-02	2.4E-08
216	0.03	3.0E-08	2.0E+00	6.7E-03	1.0E-03	1.4E-05	1.6E-01	1.4E-02	3.0E-08
217	0.03	3.5E-08	2.3E+00	6.7E-03	1.0E-03	1.6E-05	1.6E-01	1.4E-02	3.5E-08
218	0.04	3.5E-08	2.3E+00	6.7E-03	1.0E-03	1.6E-05	1.6E-01	1.4E-02	3.5E-08
219	0.03	3.2E-08	2.1E+00	6.7E-03	1.0E-03	1.5E-05	1.6E-01	1.4E-02	3.2E-08
220	0.03	2.7E-08	1.8E+00	6.7E-03	1.0E-03	1.3E-05	1.6E-01	1.4E-02	2.7E-08
221	0.02	2.2E-08	1.4E+00	6.7E-03	1.0E-03	1.0E-05	1.6E-01	1.4E-02	2.2E-08
222	0.02	1.6E-08	1.1E+00	6.7E-03	1.0E-03	7.4E-06	1.6E-01	1.4E-02	1.6E-08
223	0.01	1.3E-08	8.4E-01	6.7E-03	1.0E-03	5.9E-06	1.6E-01	1.4E-02	1.3E-08
224	0.01	1.1E-08	7.4E-01	6.7E-03	1.0E-03	5.2E-06	1.6E-01	1.4E-02	1.1E-08
225	0.00	4.7E-09	3.1E-01	6.7E-03	1.0E-03	2.2E-06	1.6E-01	1.4E-02	4.7E-09
226	0.01	5.6E-09	3.7E-01	6.7E-03	1.0E-03	2.6E-06	1.6E-01	1.4E-02	5.6E-09
227	0.01	6.8E-09	4.5E-01	6.7E-03	1.0E-03	3.2E-06	1.6E-01	1.4E-02	6.8E-09
228	0.01	8.4E-09	5.6E-01	6.7E-03	1.0E-03	3.9E-06	1.6E-01	1.4E-02	8.4E-09
229	0.01	1.1E-08	7.0E-01	6.7E-03	1.0E-03	4.9E-06	1.6E-01	1.4E-02	1.1E-08
230	0.01	1.4E-08	9.0E-01	6.7E-03	1.0E-03	6.3E-06	1.6E-01	1.4E-02	1.4E-08
231	0.02	1.7E-08	1.1E+00	6.7E-03	1.0E-03	8.0E-06	1.6E-01	1.4E-02	1.7E-08
232	0.02	2.1E-08	1.4E+00	6.7E-03	1.0E-03	9.7E-06	1.6E-01	1.4E-02	2.1E-08
233	0.02	2.4E-08	1.6E+00	6.7E-03	1.0E-03	1.1E-05	1.6E-01	1.4E-02	2.4E-08
234	0.02	2.4E-08	1.6E+00	6.7E-03	1.0E-03	1.1E-05	1.6E-01	1.4E-02	2.4E-08
235	0.02	2.3E-08	1.5E+00	6.7E-03	1.0E-03	1.1E-05	1.6E-01	1.4E-02	2.3E-08
236	0.02	2.1E-08	1.4E+00	6.7E-03	1.0E-03	9.6E-06	1.6E-01	1.4E-02	2.1E-08
237	0.02	1.8E-08	1.2E+00	6.7E-03	1.0E-03	8.2E-06	1.6E-01	1.4E-02	1.8E-08
238	0.01	1.5E-08	9.7E-01	6.7E-03	1.0E-03	6.8E-06	1.6E-01	1.4E-02	1.5E-08
239	0.01	1.1E-08	7.4E-01	6.7E-03	1.0E-03	5.1E-06	1.6E-01	1.4E-02	1.1E-08

240	0.01	9.2E-09	6.1E-01	6.7E-03	1.0E-03	4.3E-06	1.6E-01	1.4E-02	9.2E-09
241	0.00	4.2E-09	2.8E-01	6.7E-03	1.0E-03	1.9E-06	1.6E-01	1.4E-02	4.2E-09
242	0.00	5.0E-09	3.3E-01	6.7E-03	1.0E-03	2.3E-06	1.6E-01	1.4E-02	5.0E-09
243	0.01	5.9E-09	3.9E-01	6.7E-03	1.0E-03	2.7E-06	1.6E-01	1.4E-02	5.9E-09
244	0.01	7.0E-09	4.7E-01	6.7E-03	1.0E-03	3.3E-06	1.6E-01	1.4E-02	7.0E-09
245	0.01	8.7E-09	5.7E-01	6.7E-03	1.0E-03	4.0E-06	1.6E-01	1.4E-02	8.7E-09
246	0.01	1.1E-08	7.0E-01	6.7E-03	1.0E-03	4.9E-06	1.6E-01	1.4E-02	1.1E-08
247	0.01	1.3E-08	8.6E-01	6.7E-03	1.0E-03	6.0E-06	1.6E-01	1.4E-02	1.3E-08
248	0.02	1.5E-08	1.0E+00	6.7E-03	1.0E-03	7.1E-06	1.6E-01	1.4E-02	1.5E-08
249	0.02	1.7E-08	1.1E+00	6.7E-03	1.0E-03	7.9E-06	1.6E-01	1.4E-02	1.7E-08
250	0.02	1.8E-08	1.2E+00	6.7E-03	1.0E-03	8.2E-06	1.6E-01	1.4E-02	1.8E-08
251	0.02	1.7E-08	1.1E+00	6.7E-03	1.0E-03	8.0E-06	1.6E-01	1.4E-02	1.7E-08
252	0.02	1.6E-08	1.1E+00	6.7E-03	1.0E-03	7.5E-06	1.6E-01	1.4E-02	1.6E-08
253	0.01	1.4E-08	9.5E-01	6.7E-03	1.0E-03	6.6E-06	1.6E-01	1.4E-02	1.4E-08
254	0.01	1.2E-08	8.2E-01	6.7E-03	1.0E-03	5.7E-06	1.6E-01	1.4E-02	1.2E-08
255	0.01	1.0E-08	6.9E-01	6.7E-03	1.0E-03	4.8E-06	1.6E-01	1.4E-02	1.0E-08
256	0.01	8.2E-09	5.4E-01	6.7E-03	1.0E-03	3.8E-06	1.6E-01	1.4E-02	8.2E-09
257	0.00	3.8E-09	2.5E-01	6.7E-03	1.0E-03	1.8E-06	1.6E-01	1.4E-02	3.8E-09
258	0.00	4.4E-09	2.9E-01	6.7E-03	1.0E-03	2.0E-06	1.6E-01	1.4E-02	4.4E-09
259	0.01	5.1E-09	3.4E-01	6.7E-03	1.0E-03	2.4E-06	1.6E-01	1.4E-02	5.1E-09
260	0.01	6.1E-09	4.0E-01	6.7E-03	1.0E-03	2.8E-06	1.6E-01	1.4E-02	6.1E-09
261	0.01	7.2E-09	4.8E-01	6.7E-03	1.0E-03	3.4E-06	1.6E-01	1.4E-02	7.2E-09
262	0.01	8.6E-09	5.7E-01	6.7E-03	1.0E-03	4.0E-06	1.6E-01	1.4E-02	8.6E-09
263	0.01	1.0E-08	6.8E-01	6.7E-03	1.0E-03	4.7E-06	1.6E-01	1.4E-02	1.0E-08
264	0.01	1.2E-08	7.8E-01	6.7E-03	1.0E-03	5.4E-06	1.6E-01	1.4E-02	1.2E-08
265	0.01	1.3E-08	8.5E-01	6.7E-03	1.0E-03	6.0E-06	1.6E-01	1.4E-02	1.3E-08
266	0.01	1.3E-08	8.9E-01	6.7E-03	1.0E-03	6.2E-06	1.6E-01	1.4E-02	1.3E-08
267	0.01	1.3E-08	8.8E-01	6.7E-03	1.0E-03	6.2E-06	1.6E-01	1.4E-02	1.3E-08
268	0.01	1.3E-08	8.4E-01	6.7E-03	1.0E-03	5.9E-06	1.6E-01	1.4E-02	1.3E-08
269	0.01	1.2E-08	7.7E-01	6.7E-03	1.0E-03	5.4E-06	1.6E-01	1.4E-02	1.2E-08
270	0.01	1.0E-08	6.9E-01	6.7E-03	1.0E-03	4.8E-06	1.6E-01	1.4E-02	1.0E-08
271	0.01	9.0E-09	6.0E-01	6.7E-03	1.0E-03	4.2E-06	1.6E-01	1.4E-02	9.0E-09
272	0.01	7.4E-09	4.9E-01	6.7E-03	1.0E-03	3.4E-06	1.6E-01	1.4E-02	7.4E-09
273	0.02	2.1E-08	1.4E+00	6.7E-03	1.0E-03	9.9E-06	1.6E-01	1.4E-02	2.1E-08
274	0.02	2.2E-08	1.5E+00	6.7E-03	1.0E-03	1.0E-05	1.6E-01	1.4E-02	2.2E-08
275	0.02	2.4E-08	1.6E+00	6.7E-03	1.0E-03	1.1E-05	1.6E-01	1.4E-02	2.4E-08
276	0.03	2.5E-08	1.7E+00	6.7E-03	1.0E-03	1.2E-05	1.6E-01	1.4E-02	2.5E-08
277	0.03	2.7E-08	1.8E+00	6.7E-03	1.0E-03	1.3E-05	1.6E-01	1.4E-02	2.7E-08
278	0.03	2.9E-08	1.9E+00	6.7E-03	1.0E-03	1.3E-05	1.6E-01	1.4E-02	2.9E-08
279	0.03	3.1E-08	2.0E+00	6.7E-03	1.0E-03	1.4E-05	1.6E-01	1.4E-02	3.1E-08
280	0.03	3.2E-08	2.1E+00	6.7E-03	1.0E-03	1.5E-05	1.6E-01	1.4E-02	3.2E-08
281	0.03	3.4E-08	2.3E+00	6.7E-03	1.0E-03	1.6E-05	1.6E-01	1.4E-02	3.4E-08
282	0.04	3.6E-08	2.4E+00	6.7E-03	1.0E-03	1.7E-05	1.6E-01	1.4E-02	3.6E-08
283	0.04	3.8E-08	2.6E+00	6.7E-03	1.0E-03	1.8E-05	1.6E-01	1.4E-02	3.8E-08
284	0.04	4.0E-08	2.7E+00	6.7E-03	1.0E-03	1.9E-05	1.6E-01	1.4E-02	4.0E-08
285	0.04	4.2E-08	2.8E+00	6.7E-03	1.0E-03	2.0E-05	1.6E-01	1.4E-02	4.2E-08
286	0.04	4.5E-08	3.0E+00	6.7E-03	1.0E-03	2.1E-05	1.6E-01	1.4E-02	4.5E-08
287	0.05	4.7E-08	3.1E+00	6.7E-03	1.0E-03	2.2E-05	1.6E-01	1.4E-02	4.7E-08
288	0.05	5.0E-08	3.3E+00	6.7E-03	1.0E-03	2.3E-05	1.6E-01	1.4E-02	5.0E-08

289	0.05	5.2E-08	3.5E+00	6.7E-03	1.0E-03	2.4E-05	1.6E-01	1.4E-02	5.2E-08
290	0.06	5.5E-08	3.7E+00	6.7E-03	1.0E-03	2.6E-05	1.6E-01	1.4E-02	5.5E-08
291	0.06	5.8E-08	3.8E+00	6.7E-03	1.0E-03	2.7E-05	1.6E-01	1.4E-02	5.8E-08
292	0.06	5.9E-08	3.9E+00	6.7E-03	1.0E-03	2.7E-05	1.6E-01	1.4E-02	5.9E-08
293	0.06	6.0E-08	4.0E+00	6.7E-03	1.0E-03	2.8E-05	1.6E-01	1.4E-02	6.0E-08
294	0.06	6.1E-08	4.0E+00	6.7E-03	1.0E-03	2.8E-05	1.6E-01	1.4E-02	6.1E-08
295	0.06	6.1E-08	4.1E+00	6.7E-03	1.0E-03	2.8E-05	1.6E-01	1.4E-02	6.1E-08
296	0.06	6.1E-08	4.0E+00	6.7E-03	1.0E-03	2.8E-05	1.6E-01	1.4E-02	6.1E-08
297	0.06	6.1E-08	4.0E+00	6.7E-03	1.0E-03	2.8E-05	1.6E-01	1.4E-02	6.1E-08
298	0.06	6.0E-08	4.0E+00	6.7E-03	1.0E-03	2.8E-05	1.6E-01	1.4E-02	6.0E-08
299	0.02	2.3E-08	1.5E+00	6.7E-03	1.0E-03	1.1E-05	1.6E-01	1.4E-02	2.3E-08
300	0.02	2.4E-08	1.6E+00	6.7E-03	1.0E-03	1.1E-05	1.6E-01	1.4E-02	2.4E-08
301	0.03	2.6E-08	1.7E+00	6.7E-03	1.0E-03	1.2E-05	1.6E-01	1.4E-02	2.6E-08
302	0.03	2.8E-08	1.8E+00	6.7E-03	1.0E-03	1.3E-05	1.6E-01	1.4E-02	2.8E-08
303	0.03	3.0E-08	2.0E+00	6.7E-03	1.0E-03	1.4E-05	1.6E-01	1.4E-02	3.0E-08
304	0.03	3.2E-08	2.1E+00	6.7E-03	1.0E-03	1.5E-05	1.6E-01	1.4E-02	3.2E-08
305	0.03	3.4E-08	2.2E+00	6.7E-03	1.0E-03	1.6E-05	1.6E-01	1.4E-02	3.4E-08
306	0.04	3.6E-08	2.4E+00	6.7E-03	1.0E-03	1.7E-05	1.6E-01	1.4E-02	3.6E-08
307	0.04	3.8E-08	2.5E+00	6.7E-03	1.0E-03	1.8E-05	1.6E-01	1.4E-02	3.8E-08
308	0.04	4.1E-08	2.7E+00	6.7E-03	1.0E-03	1.9E-05	1.6E-01	1.4E-02	4.1E-08
309	0.04	4.4E-08	2.9E+00	6.7E-03	1.0E-03	2.0E-05	1.6E-01	1.4E-02	4.4E-08
310	0.05	4.6E-08	3.0E+00	6.7E-03	1.0E-03	2.1E-05	1.6E-01	1.4E-02	4.6E-08
311	0.05	4.8E-08	3.2E+00	6.7E-03	1.0E-03	2.2E-05	1.6E-01	1.4E-02	4.8E-08
312	0.05	5.1E-08	3.4E+00	6.7E-03	1.0E-03	2.4E-05	1.6E-01	1.4E-02	5.1E-08
313	0.05	5.5E-08	3.6E+00	6.7E-03	1.0E-03	2.6E-05	1.6E-01	1.4E-02	5.5E-08
314	0.06	5.8E-08	3.8E+00	6.7E-03	1.0E-03	2.7E-05	1.6E-01	1.4E-02	5.8E-08
315	0.06	6.1E-08	4.0E+00	6.7E-03	1.0E-03	2.8E-05	1.6E-01	1.4E-02	6.1E-08
316	0.06	6.4E-08	4.3E+00	6.7E-03	1.0E-03	3.0E-05	1.6E-01	1.4E-02	6.4E-08
317	0.07	6.7E-08	4.4E+00	6.7E-03	1.0E-03	3.1E-05	1.6E-01	1.4E-02	6.7E-08
318	0.07	6.8E-08	4.5E+00	6.7E-03	1.0E-03	3.2E-05	1.6E-01	1.4E-02	6.8E-08
319	0.07	6.9E-08	4.6E+00	6.7E-03	1.0E-03	3.2E-05	1.6E-01	1.4E-02	6.9E-08
320	0.07	6.9E-08	4.6E+00	6.7E-03	1.0E-03	3.2E-05	1.6E-01	1.4E-02	6.9E-08
321	0.07	6.9E-08	4.6E+00	6.7E-03	1.0E-03	3.2E-05	1.6E-01	1.4E-02	6.9E-08
322	0.07	6.9E-08	4.6E+00	6.7E-03	1.0E-03	3.2E-05	1.6E-01	1.4E-02	6.9E-08
323	0.07	6.8E-08	4.5E+00	6.7E-03	1.0E-03	3.2E-05	1.6E-01	1.4E-02	6.8E-08
324	0.07	6.7E-08	4.4E+00	6.7E-03	1.0E-03	3.1E-05	1.6E-01	1.4E-02	6.7E-08
325	0.02	2.4E-08	1.6E+00	6.7E-03	1.0E-03	1.1E-05	1.6E-01	1.4E-02	2.4E-08
326	0.03	2.6E-08	1.7E+00	6.7E-03	1.0E-03	1.2E-05	1.6E-01	1.4E-02	2.6E-08
327	0.03	2.8E-08	1.9E+00	6.7E-03	1.0E-03	1.3E-05	1.6E-01	1.4E-02	2.8E-08
328	0.03	3.0E-08	2.0E+00	6.7E-03	1.0E-03	1.4E-05	1.6E-01	1.4E-02	3.0E-08
329	0.03	3.3E-08	2.2E+00	6.7E-03	1.0E-03	1.5E-05	1.6E-01	1.4E-02	3.3E-08
330	0.04	3.5E-08	2.3E+00	6.7E-03	1.0E-03	1.6E-05	1.6E-01	1.4E-02	3.5E-08
331	0.04	3.8E-08	2.5E+00	6.7E-03	1.0E-03	1.7E-05	1.6E-01	1.4E-02	3.8E-08
332	0.04	4.0E-08	2.7E+00	6.7E-03	1.0E-03	1.9E-05	1.6E-01	1.4E-02	4.0E-08
333	0.04	4.3E-08	2.9E+00	6.7E-03	1.0E-03	2.0E-05	1.6E-01	1.4E-02	4.3E-08
334	0.05	4.6E-08	3.1E+00	6.7E-03	1.0E-03	2.2E-05	1.6E-01	1.4E-02	4.6E-08
335	0.05	5.0E-08	3.3E+00	6.7E-03	1.0E-03	2.3E-05	1.6E-01	1.4E-02	5.0E-08
336	0.05	5.3E-08	3.5E+00	6.7E-03	1.0E-03	2.5E-05	1.6E-01	1.4E-02	5.3E-08
337	0.06	5.6E-08	3.7E+00	6.7E-03	1.0E-03	2.6E-05	1.6E-01	1.4E-02	5.6E-08

338	0.06	6.0E-08	4.0E+00	6.7E-03	1.0E-03	2.8E-05	1.6E-01	1.4E-02	6.0E-08
339	0.06	6.4E-08	4.3E+00	6.7E-03	1.0E-03	3.0E-05	1.6E-01	1.4E-02	6.4E-08
340	0.07	6.8E-08	4.5E+00	6.7E-03	1.0E-03	3.2E-05	1.6E-01	1.4E-02	6.8E-08
341	0.07	7.2E-08	4.8E+00	6.7E-03	1.0E-03	3.3E-05	1.6E-01	1.4E-02	7.2E-08
342	0.08	7.6E-08	5.0E+00	6.7E-03	1.0E-03	3.5E-05	1.6E-01	1.4E-02	7.6E-08
343	0.08	7.8E-08	5.2E+00	6.7E-03	1.0E-03	3.6E-05	1.6E-01	1.4E-02	7.8E-08
344	0.08	8.0E-08	5.3E+00	6.7E-03	1.0E-03	3.7E-05	1.6E-01	1.4E-02	8.0E-08
345	0.08	8.0E-08	5.3E+00	6.7E-03	1.0E-03	3.7E-05	1.6E-01	1.4E-02	8.0E-08
346	0.08	8.0E-08	5.3E+00	6.7E-03	1.0E-03	3.7E-05	1.6E-01	1.4E-02	8.0E-08
347	0.08	7.9E-08	5.2E+00	6.7E-03	1.0E-03	3.7E-05	1.6E-01	1.4E-02	7.9E-08
348	0.08	7.8E-08	5.2E+00	6.7E-03	1.0E-03	3.6E-05	1.6E-01	1.4E-02	7.8E-08
349	0.08	7.6E-08	5.0E+00	6.7E-03	1.0E-03	3.5E-05	1.6E-01	1.4E-02	7.6E-08
350	0.07	7.4E-08	4.9E+00	6.7E-03	1.0E-03	3.4E-05	1.6E-01	1.4E-02	7.4E-08
351	0.03	2.6E-08	1.7E+00	6.7E-03	1.0E-03	1.2E-05	1.6E-01	1.4E-02	2.6E-08
352	0.03	2.8E-08	1.9E+00	6.7E-03	1.0E-03	1.3E-05	1.6E-01	1.4E-02	2.8E-08
353	0.03	3.1E-08	2.0E+00	6.7E-03	1.0E-03	1.4E-05	1.6E-01	1.4E-02	3.1E-08
354	0.03	3.3E-08	2.2E+00	6.7E-03	1.0E-03	1.5E-05	1.6E-01	1.4E-02	3.3E-08
355	0.04	3.6E-08	2.4E+00	6.7E-03	1.0E-03	1.7E-05	1.6E-01	1.4E-02	3.6E-08
356	0.04	3.9E-08	2.6E+00	6.7E-03	1.0E-03	1.8E-05	1.6E-01	1.4E-02	3.9E-08
357	0.04	4.2E-08	2.8E+00	6.7E-03	1.0E-03	2.0E-05	1.6E-01	1.4E-02	4.2E-08
358	0.05	4.6E-08	3.0E+00	6.7E-03	1.0E-03	2.1E-05	1.6E-01	1.4E-02	4.6E-08
359	0.05	4.9E-08	3.3E+00	6.7E-03	1.0E-03	2.3E-05	1.6E-01	1.4E-02	4.9E-08
360	0.05	5.3E-08	3.5E+00	6.7E-03	1.0E-03	2.5E-05	1.6E-01	1.4E-02	5.3E-08
361	0.06	5.8E-08	3.8E+00	6.7E-03	1.0E-03	2.7E-05	1.6E-01	1.4E-02	5.8E-08
362	0.06	6.2E-08	4.1E+00	6.7E-03	1.0E-03	2.9E-05	1.6E-01	1.4E-02	6.2E-08
363	0.07	6.6E-08	4.4E+00	6.7E-03	1.0E-03	3.1E-05	1.6E-01	1.4E-02	6.6E-08
364	0.07	7.1E-08	4.7E+00	6.7E-03	1.0E-03	3.3E-05	1.6E-01	1.4E-02	7.1E-08
365	0.08	7.6E-08	5.1E+00	6.7E-03	1.0E-03	3.6E-05	1.6E-01	1.4E-02	7.6E-08
366	0.08	8.1E-08	5.4E+00	6.7E-03	1.0E-03	3.8E-05	1.6E-01	1.4E-02	8.1E-08
367	0.09	8.6E-08	5.7E+00	6.7E-03	1.0E-03	4.0E-05	1.6E-01	1.4E-02	8.6E-08
368	0.09	9.0E-08	6.0E+00	6.7E-03	1.0E-03	4.2E-05	1.6E-01	1.4E-02	9.0E-08
369	0.09	9.3E-08	6.1E+00	6.7E-03	1.0E-03	4.3E-05	1.6E-01	1.4E-02	9.3E-08
370	0.09	9.3E-08	6.2E+00	6.7E-03	1.0E-03	4.3E-05	1.6E-01	1.4E-02	9.3E-08
371	0.09	9.3E-08	6.2E+00	6.7E-03	1.0E-03	4.3E-05	1.6E-01	1.4E-02	9.3E-08
372	0.09	9.2E-08	6.1E+00	6.7E-03	1.0E-03	4.3E-05	1.6E-01	1.4E-02	9.2E-08
373	0.09	9.0E-08	6.0E+00	6.7E-03	1.0E-03	4.2E-05	1.6E-01	1.4E-02	9.0E-08
374	0.09	8.8E-08	5.8E+00	6.7E-03	1.0E-03	4.1E-05	1.6E-01	1.4E-02	8.8E-08
375	0.09	8.5E-08	5.7E+00	6.7E-03	1.0E-03	4.0E-05	1.6E-01	1.4E-02	8.5E-08
376	0.08	8.2E-08	5.5E+00	6.7E-03	1.0E-03	3.8E-05	1.6E-01	1.4E-02	8.2E-08
377	0.03	2.8E-08	1.9E+00	6.7E-03	1.0E-03	1.3E-05	1.6E-01	1.4E-02	2.8E-08
378	0.03	3.1E-08	2.0E+00	6.7E-03	1.0E-03	1.4E-05	1.6E-01	1.4E-02	3.1E-08
379	0.03	3.3E-08	2.2E+00	6.7E-03	1.0E-03	1.5E-05	1.6E-01	1.4E-02	3.3E-08
380	0.04	3.6E-08	2.4E+00	6.7E-03	1.0E-03	1.7E-05	1.6E-01	1.4E-02	3.6E-08
381	0.04	4.0E-08	2.6E+00	6.7E-03	1.0E-03	1.8E-05	1.6E-01	1.4E-02	4.0E-08
382	0.10	1.0E-07	7.0E+00	6.7E-03	1.0E-03	4.9E-05	1.6E-01	1.4E-02	1.0E-07
383	0.11	1.1E-07	7.2E+00	6.7E-03	1.0E-03	5.1E-05	1.6E-01	1.4E-02	1.1E-07
384	0.11	1.1E-07	7.3E+00	6.7E-03	1.0E-03	5.1E-05	1.6E-01	1.4E-02	1.1E-07
385	0.11	1.1E-07	7.3E+00	6.7E-03	1.0E-03	5.1E-05	1.6E-01	1.4E-02	1.1E-07
386	0.11	1.1E-07	7.2E+00	6.7E-03	1.0E-03	5.0E-05	1.6E-01	1.4E-02	1.1E-07

387	0.11	1.1E-07	7.0E+00	6.7E-03	1.0E-03	4.9E-05	1.6E-01	1.4E-02	1.1E-07
388	0.10	1.0E-07	6.8E+00	6.7E-03	1.0E-03	4.8E-05	1.6E-01	1.4E-02	1.0E-07
389	0.10	9.9E-08	6.6E+00	6.7E-03	1.0E-03	4.6E-05	1.6E-01	1.4E-02	9.9E-08
390	0.10	9.5E-08	6.3E+00	6.7E-03	1.0E-03	4.4E-05	1.6E-01	1.4E-02	9.5E-08
391	0.09	9.1E-08	6.1E+00	6.7E-03	1.0E-03	4.2E-05	1.6E-01	1.4E-02	9.1E-08
392	0.03	3.0E-08	2.0E+00	6.7E-03	1.0E-03	1.4E-05	1.6E-01	1.4E-02	3.0E-08
393	0.03	3.3E-08	2.2E+00	6.7E-03	1.0E-03	1.5E-05	1.6E-01	1.4E-02	3.3E-08
394	0.04	3.6E-08	2.4E+00	6.7E-03	1.0E-03	1.7E-05	1.6E-01	1.4E-02	3.6E-08
395	0.04	4.0E-08	2.6E+00	6.7E-03	1.0E-03	1.8E-05	1.6E-01	1.4E-02	4.0E-08
396	0.04	4.4E-08	2.9E+00	6.7E-03	1.0E-03	2.0E-05	1.6E-01	1.4E-02	4.4E-08
397	0.13	1.3E-07	8.6E+00	6.7E-03	1.0E-03	6.0E-05	1.6E-01	1.4E-02	1.3E-07
398	0.13	1.3E-07	8.8E+00	6.7E-03	1.0E-03	6.2E-05	1.6E-01	1.4E-02	1.3E-07
399	0.13	1.3E-07	8.8E+00	6.7E-03	1.0E-03	6.2E-05	1.6E-01	1.4E-02	1.3E-07
400	0.13	1.3E-07	8.7E+00	6.7E-03	1.0E-03	6.1E-05	1.6E-01	1.4E-02	1.3E-07
401	0.13	1.3E-07	8.4E+00	6.7E-03	1.0E-03	5.9E-05	1.6E-01	1.4E-02	1.3E-07
402	0.12	1.2E-07	8.1E+00	6.7E-03	1.0E-03	5.7E-05	1.6E-01	1.4E-02	1.2E-07
403	0.12	1.2E-07	7.7E+00	6.7E-03	1.0E-03	5.4E-05	1.6E-01	1.4E-02	1.2E-07
404	0.11	1.1E-07	7.4E+00	6.7E-03	1.0E-03	5.2E-05	1.6E-01	1.4E-02	1.1E-07
405	0.11	1.1E-07	7.0E+00	6.7E-03	1.0E-03	4.9E-05	1.6E-01	1.4E-02	1.1E-07
406	0.10	1.0E-07	6.7E+00	6.7E-03	1.0E-03	4.7E-05	1.6E-01	1.4E-02	1.0E-07
407	0.03	3.2E-08	2.1E+00	6.7E-03	1.0E-03	1.5E-05	1.6E-01	1.4E-02	3.2E-08
408	0.04	3.5E-08	2.3E+00	6.7E-03	1.0E-03	1.6E-05	1.6E-01	1.4E-02	3.5E-08
409	0.04	3.9E-08	2.6E+00	6.7E-03	1.0E-03	1.8E-05	1.6E-01	1.4E-02	3.9E-08
410	0.04	4.3E-08	2.8E+00	6.7E-03	1.0E-03	2.0E-05	1.6E-01	1.4E-02	4.3E-08
411	0.05	4.8E-08	3.2E+00	6.7E-03	1.0E-03	2.2E-05	1.6E-01	1.4E-02	4.8E-08
412	0.16	1.6E-07	1.1E+01	6.7E-03	1.0E-03	7.6E-05	1.6E-01	1.4E-02	1.6E-07
413	0.16	1.6E-07	1.1E+01	6.7E-03	1.0E-03	7.7E-05	1.6E-01	1.4E-02	1.6E-07
414	0.16	1.6E-07	1.1E+01	6.7E-03	1.0E-03	7.5E-05	1.6E-01	1.4E-02	1.6E-07
415	0.16	1.6E-07	1.0E+01	6.7E-03	1.0E-03	7.2E-05	1.6E-01	1.4E-02	1.6E-07
416	0.15	1.5E-07	9.8E+00	6.7E-03	1.0E-03	6.9E-05	1.6E-01	1.4E-02	1.5E-07
417	0.14	1.4E-07	9.3E+00	6.7E-03	1.0E-03	6.5E-05	1.6E-01	1.4E-02	1.4E-07
418	0.13	1.3E-07	8.8E+00	6.7E-03	1.0E-03	6.1E-05	1.6E-01	1.4E-02	1.3E-07
419	0.12	1.2E-07	8.3E+00	6.7E-03	1.0E-03	5.8E-05	1.6E-01	1.4E-02	1.2E-07
420	0.12	1.2E-07	7.8E+00	6.7E-03	1.0E-03	5.5E-05	1.6E-01	1.4E-02	1.2E-07
421	0.11	1.1E-07	7.3E+00	6.7E-03	1.0E-03	5.1E-05	1.6E-01	1.4E-02	1.1E-07
422	0.03	3.4E-08	2.3E+00	6.7E-03	1.0E-03	1.6E-05	1.6E-01	1.4E-02	3.4E-08
423	0.04	3.8E-08	2.5E+00	6.7E-03	1.0E-03	1.7E-05	1.6E-01	1.4E-02	3.8E-08
424	0.04	4.2E-08	2.8E+00	6.7E-03	1.0E-03	1.9E-05	1.6E-01	1.4E-02	4.2E-08
425	0.05	4.7E-08	3.1E+00	6.7E-03	1.0E-03	2.2E-05	1.6E-01	1.4E-02	4.7E-08
426	0.05	5.2E-08	3.5E+00	6.7E-03	1.0E-03	2.4E-05	1.6E-01	1.4E-02	5.2E-08
427	0.21	2.1E-07	1.4E+01	6.7E-03	1.0E-03	9.9E-05	1.6E-01	1.4E-02	2.1E-07
428	0.21	2.1E-07	1.4E+01	6.7E-03	1.0E-03	9.6E-05	1.6E-01	1.4E-02	2.1E-07
429	0.20	2.0E-07	1.3E+01	6.7E-03	1.0E-03	9.1E-05	1.6E-01	1.4E-02	2.0E-07
430	0.18	1.8E-07	1.2E+01	6.7E-03	1.0E-03	8.6E-05	1.6E-01	1.4E-02	1.8E-07
431	0.17	1.7E-07	1.1E+01	6.7E-03	1.0E-03	8.0E-05	1.6E-01	1.4E-02	1.7E-07
432	0.16	1.6E-07	1.1E+01	6.7E-03	1.0E-03	7.5E-05	1.6E-01	1.4E-02	1.6E-07
433	0.15	1.5E-07	9.9E+00	6.7E-03	1.0E-03	6.9E-05	1.6E-01	1.4E-02	1.5E-07
434	0.14	1.4E-07	9.2E+00	6.7E-03	1.0E-03	6.4E-05	1.6E-01	1.4E-02	1.4E-07
435	0.13	1.3E-07	8.6E+00	6.7E-03	1.0E-03	6.0E-05	1.6E-01	1.4E-02	1.3E-07

436	0.12	1.2E-07	8.0E+00	6.7E-03	1.0E-03	5.6E-05	1.6E-01	1.4E-02	1.2E-07
437	0.04	3.6E-08	2.4E+00	6.7E-03	1.0E-03	1.7E-05	1.6E-01	1.4E-02	3.6E-08
438	0.04	4.0E-08	2.7E+00	6.7E-03	1.0E-03	1.9E-05	1.6E-01	1.4E-02	4.0E-08
439	0.04	4.5E-08	3.0E+00	6.7E-03	1.0E-03	2.1E-05	1.6E-01	1.4E-02	4.5E-08
440	0.05	5.0E-08	3.3E+00	6.7E-03	1.0E-03	2.3E-05	1.6E-01	1.4E-02	5.0E-08
441	0.06	5.8E-08	3.8E+00	6.7E-03	1.0E-03	2.7E-05	1.6E-01	1.4E-02	5.8E-08
442	0.28	2.8E-07	1.9E+01	6.7E-03	1.0E-03	1.3E-04	1.6E-01	1.4E-02	2.8E-07
443	0.26	2.6E-07	1.7E+01	6.7E-03	1.0E-03	1.2E-04	1.6E-01	1.4E-02	2.6E-07
444	0.24	2.4E-07	1.6E+01	6.7E-03	1.0E-03	1.1E-04	1.6E-01	1.4E-02	2.4E-07
445	0.22	2.2E-07	1.4E+01	6.7E-03	1.0E-03	1.0E-04	1.6E-01	1.4E-02	2.2E-07
446	0.20	2.0E-07	1.3E+01	6.7E-03	1.0E-03	9.2E-05	1.6E-01	1.4E-02	2.0E-07
447	0.18	1.8E-07	1.2E+01	6.7E-03	1.0E-03	8.5E-05	1.6E-01	1.4E-02	1.8E-07
448	0.17	1.7E-07	1.1E+01	6.7E-03	1.0E-03	7.8E-05	1.6E-01	1.4E-02	1.7E-07
449	0.15	1.5E-07	1.0E+01	6.7E-03	1.0E-03	7.2E-05	1.6E-01	1.4E-02	1.5E-07
450	0.14	1.4E-07	9.4E+00	6.7E-03	1.0E-03	6.6E-05	1.6E-01	1.4E-02	1.4E-07
451	0.13	1.3E-07	8.7E+00	6.7E-03	1.0E-03	6.1E-05	1.6E-01	1.4E-02	1.3E-07
452	0.04	3.8E-08	2.5E+00	6.7E-03	1.0E-03	1.8E-05	1.6E-01	1.4E-02	3.8E-08
453	0.04	4.3E-08	2.8E+00	6.7E-03	1.0E-03	2.0E-05	1.6E-01	1.4E-02	4.3E-08
454	0.05	4.8E-08	3.2E+00	6.7E-03	1.0E-03	2.2E-05	1.6E-01	1.4E-02	4.8E-08
455	0.05	5.5E-08	3.6E+00	6.7E-03	1.0E-03	2.5E-05	1.6E-01	1.4E-02	5.5E-08
456	0.06	6.3E-08	4.2E+00	6.7E-03	1.0E-03	2.9E-05	1.6E-01	1.4E-02	6.3E-08
457	0.37	3.7E-07	2.5E+01	6.7E-03	1.0E-03	1.7E-04	1.6E-01	1.4E-02	3.7E-07
458	0.33	3.3E-07	2.2E+01	6.7E-03	1.0E-03	1.5E-04	1.6E-01	1.4E-02	3.3E-07
459	0.29	2.9E-07	1.9E+01	6.7E-03	1.0E-03	1.3E-04	1.6E-01	1.4E-02	2.9E-07
460	0.25	2.5E-07	1.7E+01	6.7E-03	1.0E-03	1.2E-04	1.6E-01	1.4E-02	2.5E-07
461	0.23	2.3E-07	1.5E+01	6.7E-03	1.0E-03	1.1E-04	1.6E-01	1.4E-02	2.3E-07
462	0.21	2.1E-07	1.4E+01	6.7E-03	1.0E-03	9.5E-05	1.6E-01	1.4E-02	2.1E-07
463	0.19	1.9E-07	1.2E+01	6.7E-03	1.0E-03	8.7E-05	1.6E-01	1.4E-02	1.9E-07
464	0.17	1.7E-07	1.1E+01	6.7E-03	1.0E-03	7.9E-05	1.6E-01	1.4E-02	1.7E-07
465	0.15	1.5E-07	1.0E+01	6.7E-03	1.0E-03	7.2E-05	1.6E-01	1.4E-02	1.5E-07
466	0.14	1.4E-07	9.4E+00	6.7E-03	1.0E-03	6.6E-05	1.6E-01	1.4E-02	1.4E-07
467	0.04	4.0E-08	2.7E+00	6.7E-03	1.0E-03	1.9E-05	1.6E-01	1.4E-02	4.0E-08
468	0.05	4.5E-08	3.0E+00	6.7E-03	1.0E-03	2.1E-05	1.6E-01	1.4E-02	4.5E-08
469	0.05	5.1E-08	3.4E+00	6.7E-03	1.0E-03	2.4E-05	1.6E-01	1.4E-02	5.1E-08
470	0.06	5.9E-08	3.9E+00	6.7E-03	1.0E-03	2.7E-05	1.6E-01	1.4E-02	5.9E-08
471	0.07	6.9E-08	4.6E+00	6.7E-03	1.0E-03	3.2E-05	1.6E-01	1.4E-02	6.9E-08
472	0.47	4.7E-07	3.1E+01	6.7E-03	1.0E-03	2.2E-04	1.6E-01	1.4E-02	4.7E-07
473	0.39	3.9E-07	2.6E+01	6.7E-03	1.0E-03	1.8E-04	1.6E-01	1.4E-02	3.9E-07
474	0.33	3.3E-07	2.2E+01	6.7E-03	1.0E-03	1.6E-04	1.6E-01	1.4E-02	3.3E-07
475	0.29	2.9E-07	1.9E+01	6.7E-03	1.0E-03	1.4E-04	1.6E-01	1.4E-02	2.9E-07
476	0.26	2.6E-07	1.7E+01	6.7E-03	1.0E-03	1.2E-04	1.6E-01	1.4E-02	2.6E-07
477	0.23	2.3E-07	1.5E+01	6.7E-03	1.0E-03	1.1E-04	1.6E-01	1.4E-02	2.3E-07
478	0.21	2.1E-07	1.4E+01	6.7E-03	1.0E-03	9.5E-05	1.6E-01	1.4E-02	2.1E-07
479	0.19	1.9E-07	1.2E+01	6.7E-03	1.0E-03	8.6E-05	1.6E-01	1.4E-02	1.9E-07
480	0.17	1.7E-07	1.1E+01	6.7E-03	1.0E-03	7.8E-05	1.6E-01	1.4E-02	1.7E-07
481	0.15	1.5E-07	1.0E+01	6.7E-03	1.0E-03	7.0E-05	1.6E-01	1.4E-02	1.5E-07
482	0.04	4.2E-08	2.8E+00	6.7E-03	1.0E-03	2.0E-05	1.6E-01	1.4E-02	4.2E-08
483	0.05	4.8E-08	3.2E+00	6.7E-03	1.0E-03	2.2E-05	1.6E-01	1.4E-02	4.8E-08
484	0.05	5.5E-08	3.6E+00	6.7E-03	1.0E-03	2.5E-05	1.6E-01	1.4E-02	5.5E-08

485	0.06	6.3E-08	4.2E+00	6.7E-03	1.0E-03	2.9E-05	1.6E-01	1.4E-02	6.3E-08
486	0.07	7.5E-08	5.0E+00	6.7E-03	1.0E-03	3.5E-05	1.6E-01	1.4E-02	7.5E-08
487	0.57	5.7E-07	3.8E+01	6.7E-03	1.0E-03	2.6E-04	1.6E-01	1.4E-02	5.7E-07
488	0.46	4.6E-07	3.0E+01	6.7E-03	1.0E-03	2.1E-04	1.6E-01	1.4E-02	4.6E-07
489	0.38	3.8E-07	2.5E+01	6.7E-03	1.0E-03	1.8E-04	1.6E-01	1.4E-02	3.8E-07
490	0.33	3.3E-07	2.2E+01	6.7E-03	1.0E-03	1.5E-04	1.6E-01	1.4E-02	3.3E-07
491	0.29	2.9E-07	1.9E+01	6.7E-03	1.0E-03	1.3E-04	1.6E-01	1.4E-02	2.9E-07
492	0.25	2.5E-07	1.7E+01	6.7E-03	1.0E-03	1.2E-04	1.6E-01	1.4E-02	2.5E-07
493	0.22	2.2E-07	1.5E+01	6.7E-03	1.0E-03	1.0E-04	1.6E-01	1.4E-02	2.2E-07
494	0.20	2.0E-07	1.3E+01	6.7E-03	1.0E-03	9.3E-05	1.6E-01	1.4E-02	2.0E-07
495	0.18	1.8E-07	1.2E+01	6.7E-03	1.0E-03	8.4E-05	1.6E-01	1.4E-02	1.8E-07
496	0.16	1.6E-07	1.1E+01	6.7E-03	1.0E-03	7.5E-05	1.6E-01	1.4E-02	1.6E-07
497	0.04	4.4E-08	2.9E+00	6.7E-03	1.0E-03	2.0E-05	1.6E-01	1.4E-02	4.4E-08
498	0.05	5.0E-08	3.3E+00	6.7E-03	1.0E-03	2.3E-05	1.6E-01	1.4E-02	5.0E-08
499	0.06	5.8E-08	3.8E+00	6.7E-03	1.0E-03	2.7E-05	1.6E-01	1.4E-02	5.8E-08
500	0.07	6.8E-08	4.5E+00	6.7E-03	1.0E-03	3.2E-05	1.6E-01	1.4E-02	6.8E-08
501	0.08	8.1E-08	5.4E+00	6.7E-03	1.0E-03	3.8E-05	1.6E-01	1.4E-02	8.1E-08
502	0.64	6.4E-07	4.2E+01	6.7E-03	1.0E-03	3.0E-04	1.6E-01	1.4E-02	6.4E-07
503	0.51	5.1E-07	3.4E+01	6.7E-03	1.0E-03	2.4E-04	1.6E-01	1.4E-02	5.1E-07
504	0.42	4.2E-07	2.8E+01	6.7E-03	1.0E-03	2.0E-04	1.6E-01	1.4E-02	4.2E-07
505	0.36	3.6E-07	2.4E+01	6.7E-03	1.0E-03	1.7E-04	1.6E-01	1.4E-02	3.6E-07
506	0.31	3.1E-07	2.1E+01	6.7E-03	1.0E-03	1.5E-04	1.6E-01	1.4E-02	3.1E-07
507	0.27	2.7E-07	1.8E+01	6.7E-03	1.0E-03	1.3E-04	1.6E-01	1.4E-02	2.7E-07
508	0.24	2.4E-07	1.6E+01	6.7E-03	1.0E-03	1.1E-04	1.6E-01	1.4E-02	2.4E-07
509	0.22	2.2E-07	1.4E+01	6.7E-03	1.0E-03	1.0E-04	1.6E-01	1.4E-02	2.2E-07
510	0.19	1.9E-07	1.3E+01	6.7E-03	1.0E-03	8.9E-05	1.6E-01	1.4E-02	1.9E-07
511	0.17	1.7E-07	1.1E+01	6.7E-03	1.0E-03	7.9E-05	1.6E-01	1.4E-02	1.7E-07
512	0.05	4.6E-08	3.0E+00	6.7E-03	1.0E-03	2.1E-05	1.6E-01	1.4E-02	4.6E-08
513	0.05	5.2E-08	3.5E+00	6.7E-03	1.0E-03	2.4E-05	1.6E-01	1.4E-02	5.2E-08
514	0.06	6.0E-08	4.0E+00	6.7E-03	1.0E-03	2.8E-05	1.6E-01	1.4E-02	6.0E-08
515	0.07	7.1E-08	4.7E+00	6.7E-03	1.0E-03	3.3E-05	1.6E-01	1.4E-02	7.1E-08
516	0.09	8.6E-08	5.7E+00	6.7E-03	1.0E-03	4.0E-05	1.6E-01	1.4E-02	8.6E-08
517	0.70	7.0E-07	4.6E+01	6.7E-03	1.0E-03	3.2E-04	1.6E-01	1.4E-02	7.0E-07
518	0.56	5.6E-07	3.7E+01	6.7E-03	1.0E-03	2.6E-04	1.6E-01	1.4E-02	5.6E-07
519	0.47	4.7E-07	3.1E+01	6.7E-03	1.0E-03	2.2E-04	1.6E-01	1.4E-02	4.7E-07
520	0.40	4.0E-07	2.6E+01	6.7E-03	1.0E-03	1.8E-04	1.6E-01	1.4E-02	4.0E-07
521	0.34	3.4E-07	2.3E+01	6.7E-03	1.0E-03	1.6E-04	1.6E-01	1.4E-02	3.4E-07
522	0.30	3.0E-07	2.0E+01	6.7E-03	1.0E-03	1.4E-04	1.6E-01	1.4E-02	3.0E-07
523	0.26	2.6E-07	1.7E+01	6.7E-03	1.0E-03	1.2E-04	1.6E-01	1.4E-02	2.6E-07
524	0.23	2.3E-07	1.5E+01	6.7E-03	1.0E-03	1.1E-04	1.6E-01	1.4E-02	2.3E-07
525	0.20	2.0E-07	1.3E+01	6.7E-03	1.0E-03	9.4E-05	1.6E-01	1.4E-02	2.0E-07
526	0.18	1.8E-07	1.2E+01	6.7E-03	1.0E-03	8.3E-05	1.6E-01	1.4E-02	1.8E-07
527	0.05	4.7E-08	3.1E+00	6.7E-03	1.0E-03	2.2E-05	1.6E-01	1.4E-02	4.7E-08
528	0.05	5.4E-08	3.6E+00	6.7E-03	1.0E-03	2.5E-05	1.6E-01	1.4E-02	5.4E-08
529	0.06	6.3E-08	4.2E+00	6.7E-03	1.0E-03	2.9E-05	1.6E-01	1.4E-02	6.3E-08
530	0.07	7.5E-08	5.0E+00	6.7E-03	1.0E-03	3.5E-05	1.6E-01	1.4E-02	7.5E-08
531	0.09	9.1E-08	6.0E+00	6.7E-03	1.0E-03	4.2E-05	1.6E-01	1.4E-02	9.1E-08
532	0.75	7.5E-07	5.0E+01	6.7E-03	1.0E-03	3.5E-04	1.6E-01	1.4E-02	7.5E-07
533	0.62	6.2E-07	4.1E+01	6.7E-03	1.0E-03	2.9E-04	1.6E-01	1.4E-02	6.2E-07

534	0.51	5.1E-07	3.4E+01	6.7E-03	1.0E-03	2.4E-04	1.6E-01	1.4E-02	5.1E-07
535	0.43	4.3E-07	2.8E+01	6.7E-03	1.0E-03	2.0E-04	1.6E-01	1.4E-02	4.3E-07
536	0.36	3.6E-07	2.4E+01	6.7E-03	1.0E-03	1.7E-04	1.6E-01	1.4E-02	3.6E-07
537	0.32	3.2E-07	2.1E+01	6.7E-03	1.0E-03	1.5E-04	1.6E-01	1.4E-02	3.2E-07
538	0.27	2.7E-07	1.8E+01	6.7E-03	1.0E-03	1.3E-04	1.6E-01	1.4E-02	2.7E-07
539	0.24	2.4E-07	1.6E+01	6.7E-03	1.0E-03	1.1E-04	1.6E-01	1.4E-02	2.4E-07
540	0.21	2.1E-07	1.4E+01	6.7E-03	1.0E-03	9.7E-05	1.6E-01	1.4E-02	2.1E-07
541	0.18	1.8E-07	1.2E+01	6.7E-03	1.0E-03	8.5E-05	1.6E-01	1.4E-02	1.8E-07
542	0.05	4.8E-08	3.2E+00	6.7E-03	1.0E-03	2.2E-05	1.6E-01	1.4E-02	4.8E-08
543	0.06	5.5E-08	3.7E+00	6.7E-03	1.0E-03	2.6E-05	1.6E-01	1.4E-02	5.5E-08
544	0.07	6.5E-08	4.3E+00	6.7E-03	1.0E-03	3.0E-05	1.6E-01	1.4E-02	6.5E-08
545	0.08	7.8E-08	5.1E+00	6.7E-03	1.0E-03	3.6E-05	1.6E-01	1.4E-02	7.8E-08
546	0.09	9.5E-08	6.3E+00	6.7E-03	1.0E-03	4.4E-05	1.6E-01	1.4E-02	9.5E-08
547	0.84	8.4E-07	5.6E+01	6.7E-03	1.0E-03	3.9E-04	1.6E-01	1.4E-02	8.4E-07
548	0.68	6.8E-07	4.5E+01	6.7E-03	1.0E-03	3.2E-04	1.6E-01	1.4E-02	6.8E-07
549	0.56	5.6E-07	3.7E+01	6.7E-03	1.0E-03	2.6E-04	1.6E-01	1.4E-02	5.6E-07
550	0.46	4.6E-07	3.1E+01	6.7E-03	1.0E-03	2.1E-04	1.6E-01	1.4E-02	4.6E-07
551	0.38	3.8E-07	2.5E+01	6.7E-03	1.0E-03	1.8E-04	1.6E-01	1.4E-02	3.8E-07
552	0.32	3.2E-07	2.1E+01	6.7E-03	1.0E-03	1.5E-04	1.6E-01	1.4E-02	3.2E-07
553	0.28	2.8E-07	1.9E+01	6.7E-03	1.0E-03	1.3E-04	1.6E-01	1.4E-02	2.8E-07
554	0.24	2.4E-07	1.6E+01	6.7E-03	1.0E-03	1.1E-04	1.6E-01	1.4E-02	2.4E-07
555	0.21	2.1E-07	1.4E+01	6.7E-03	1.0E-03	9.8E-05	1.6E-01	1.4E-02	2.1E-07
556	0.18	1.8E-07	1.2E+01	6.7E-03	1.0E-03	8.5E-05	1.6E-01	1.4E-02	1.8E-07
557	0.05	4.9E-08	3.2E+00	6.7E-03	1.0E-03	2.3E-05	1.6E-01	1.4E-02	4.9E-08
558	0.06	5.6E-08	3.7E+00	6.7E-03	1.0E-03	2.6E-05	1.6E-01	1.4E-02	5.6E-08
559	0.07	6.6E-08	4.4E+00	6.7E-03	1.0E-03	3.1E-05	1.6E-01	1.4E-02	6.6E-08
560	0.08	8.0E-08	5.3E+00	6.7E-03	1.0E-03	3.7E-05	1.6E-01	1.4E-02	8.0E-08
561	0.10	9.7E-08	6.4E+00	6.7E-03	1.0E-03	4.5E-05	1.6E-01	1.4E-02	9.7E-08
562	0.77	7.7E-07	5.1E+01	6.7E-03	1.0E-03	3.6E-04	1.6E-01	1.4E-02	7.7E-07
563	0.62	6.2E-07	4.1E+01	6.7E-03	1.0E-03	2.9E-04	1.6E-01	1.4E-02	6.2E-07
564	0.50	5.0E-07	3.3E+01	6.7E-03	1.0E-03	2.3E-04	1.6E-01	1.4E-02	5.0E-07
565	0.38	3.8E-07	2.5E+01	6.7E-03	1.0E-03	1.8E-04	1.6E-01	1.4E-02	3.8E-07
566	0.32	3.2E-07	2.1E+01	6.7E-03	1.0E-03	1.5E-04	1.6E-01	1.4E-02	3.2E-07
567	0.27	2.7E-07	1.8E+01	6.7E-03	1.0E-03	1.3E-04	1.6E-01	1.4E-02	2.7E-07
568	0.23	2.3E-07	1.5E+01	6.7E-03	1.0E-03	1.1E-04	1.6E-01	1.4E-02	2.3E-07
569	0.20	2.0E-07	1.3E+01	6.7E-03	1.0E-03	9.3E-05	1.6E-01	1.4E-02	2.0E-07
570	0.18	1.8E-07	1.2E+01	6.7E-03	1.0E-03	8.2E-05	1.6E-01	1.4E-02	1.8E-07
571	0.05	4.9E-08	3.3E+00	6.7E-03	1.0E-03	2.3E-05	1.6E-01	1.4E-02	4.9E-08
572	0.06	5.7E-08	3.8E+00	6.7E-03	1.0E-03	2.6E-05	1.6E-01	1.4E-02	5.7E-08
573	0.07	6.7E-08	4.4E+00	6.7E-03	1.0E-03	3.1E-05	1.6E-01	1.4E-02	6.7E-08
574	0.08	8.1E-08	5.4E+00	6.7E-03	1.0E-03	3.7E-05	1.6E-01	1.4E-02	8.1E-08
575	0.10	9.8E-08	6.5E+00	6.7E-03	1.0E-03	4.6E-05	1.6E-01	1.4E-02	9.8E-08
576	0.71	7.1E-07	4.7E+01	6.7E-03	1.0E-03	3.3E-04	1.6E-01	1.4E-02	7.1E-07
577	0.57	5.7E-07	3.8E+01	6.7E-03	1.0E-03	2.6E-04	1.6E-01	1.4E-02	5.7E-07
578	0.44	4.4E-07	2.9E+01	6.7E-03	1.0E-03	2.0E-04	1.6E-01	1.4E-02	4.4E-07
579	0.36	3.6E-07	2.4E+01	6.7E-03	1.0E-03	1.7E-04	1.6E-01	1.4E-02	3.6E-07
580	0.30	3.0E-07	2.0E+01	6.7E-03	1.0E-03	1.4E-04	1.6E-01	1.4E-02	3.0E-07
581	0.24	2.4E-07	1.6E+01	6.7E-03	1.0E-03	1.1E-04	1.6E-01	1.4E-02	2.4E-07
582	0.20	2.0E-07	1.3E+01	6.7E-03	1.0E-03	9.4E-05	1.6E-01	1.4E-02	2.0E-07

583	0.17	1.7E-07	1.1E+01	6.7E-03	1.0E-03	8.0E-05	1.6E-01	1.4E-02	1.7E-07
584	0.05	4.9E-08	3.3E+00	6.7E-03	1.0E-03	2.3E-05	1.6E-01	1.4E-02	4.9E-08
585	0.06	5.7E-08	3.8E+00	6.7E-03	1.0E-03	2.7E-05	1.6E-01	1.4E-02	5.7E-08
586	0.07	6.7E-08	4.5E+00	6.7E-03	1.0E-03	3.1E-05	1.6E-01	1.4E-02	6.7E-08
587	0.08	8.1E-08	5.4E+00	6.7E-03	1.0E-03	3.7E-05	1.6E-01	1.4E-02	8.1E-08
588	0.10	9.8E-08	6.5E+00	6.7E-03	1.0E-03	4.6E-05	1.6E-01	1.4E-02	9.8E-08
589	0.67	6.7E-07	4.4E+01	6.7E-03	1.0E-03	3.1E-04	1.6E-01	1.4E-02	6.7E-07
590	0.53	5.3E-07	3.5E+01	6.7E-03	1.0E-03	2.5E-04	1.6E-01	1.4E-02	5.3E-07
591	0.42	4.2E-07	2.8E+01	6.7E-03	1.0E-03	2.0E-04	1.6E-01	1.4E-02	4.2E-07
592	0.33	3.3E-07	2.2E+01	6.7E-03	1.0E-03	1.5E-04	1.6E-01	1.4E-02	3.3E-07
593	0.27	2.7E-07	1.8E+01	6.7E-03	1.0E-03	1.2E-04	1.6E-01	1.4E-02	2.7E-07
594	0.22	2.2E-07	1.4E+01	6.7E-03	1.0E-03	1.0E-04	1.6E-01	1.4E-02	2.2E-07
595	0.18	1.8E-07	1.2E+01	6.7E-03	1.0E-03	8.2E-05	1.6E-01	1.4E-02	1.8E-07
596	0.05	4.9E-08	3.2E+00	6.7E-03	1.0E-03	2.3E-05	1.6E-01	1.4E-02	4.9E-08
597	0.06	5.7E-08	3.8E+00	6.7E-03	1.0E-03	2.6E-05	1.6E-01	1.4E-02	5.7E-08
598	0.07	6.7E-08	4.4E+00	6.7E-03	1.0E-03	3.1E-05	1.6E-01	1.4E-02	6.7E-08
599	0.08	8.0E-08	5.3E+00	6.7E-03	1.0E-03	3.7E-05	1.6E-01	1.4E-02	8.0E-08
600	0.10	9.7E-08	6.4E+00	6.7E-03	1.0E-03	4.5E-05	1.6E-01	1.4E-02	9.7E-08
601	0.57	5.7E-07	3.8E+01	6.7E-03	1.0E-03	2.6E-04	1.6E-01	1.4E-02	5.7E-07
602	0.43	4.3E-07	2.9E+01	6.7E-03	1.0E-03	2.0E-04	1.6E-01	1.4E-02	4.3E-07
603	0.34	3.4E-07	2.2E+01	6.7E-03	1.0E-03	1.6E-04	1.6E-01	1.4E-02	3.4E-07
604	0.27	2.7E-07	1.8E+01	6.7E-03	1.0E-03	1.2E-04	1.6E-01	1.4E-02	2.7E-07
605	0.22	2.2E-07	1.5E+01	6.7E-03	1.0E-03	1.0E-04	1.6E-01	1.4E-02	2.2E-07
606	0.18	1.8E-07	1.2E+01	6.7E-03	1.0E-03	8.3E-05	1.6E-01	1.4E-02	1.8E-07
607	0.05	4.8E-08	3.2E+00	6.7E-03	1.0E-03	2.2E-05	1.6E-01	1.4E-02	4.8E-08
608	0.06	5.6E-08	3.7E+00	6.7E-03	1.0E-03	2.6E-05	1.6E-01	1.4E-02	5.6E-08
609	0.07	6.5E-08	4.3E+00	6.7E-03	1.0E-03	3.0E-05	1.6E-01	1.4E-02	6.5E-08
610	0.08	7.8E-08	5.2E+00	6.7E-03	1.0E-03	3.6E-05	1.6E-01	1.4E-02	7.8E-08
611	0.09	9.4E-08	6.2E+00	6.7E-03	1.0E-03	4.4E-05	1.6E-01	1.4E-02	9.4E-08
612	0.58	5.8E-07	3.8E+01	6.7E-03	1.0E-03	2.7E-04	1.6E-01	1.4E-02	5.8E-07
613	0.43	4.3E-07	2.8E+01	6.7E-03	1.0E-03	2.0E-04	1.6E-01	1.4E-02	4.3E-07
614	0.33	3.3E-07	2.2E+01	6.7E-03	1.0E-03	1.5E-04	1.6E-01	1.4E-02	3.3E-07
615	0.26	2.6E-07	1.7E+01	6.7E-03	1.0E-03	1.2E-04	1.6E-01	1.4E-02	2.6E-07
616	0.21	2.1E-07	1.4E+01	6.7E-03	1.0E-03	9.8E-05	1.6E-01	1.4E-02	2.1E-07
617	0.17	1.7E-07	1.1E+01	6.7E-03	1.0E-03	8.0E-05	1.6E-01	1.4E-02	1.7E-07
618	0.05	4.7E-08	3.1E+00	6.7E-03	1.0E-03	2.2E-05	1.6E-01	1.4E-02	4.7E-08
619	0.05	5.4E-08	3.6E+00	6.7E-03	1.0E-03	2.5E-05	1.6E-01	1.4E-02	5.4E-08
620	0.06	6.4E-08	4.2E+00	6.7E-03	1.0E-03	3.0E-05	1.6E-01	1.4E-02	6.4E-08
621	0.07	7.5E-08	5.0E+00	6.7E-03	1.0E-03	3.5E-05	1.6E-01	1.4E-02	7.5E-08
622	0.09	9.0E-08	6.0E+00	6.7E-03	1.0E-03	4.2E-05	1.6E-01	1.4E-02	9.0E-08
623	0.54	5.4E-07	3.6E+01	6.7E-03	1.0E-03	2.5E-04	1.6E-01	1.4E-02	5.4E-07
624	0.40	4.0E-07	2.6E+01	6.7E-03	1.0E-03	1.9E-04	1.6E-01	1.4E-02	4.0E-07
625	0.31	3.1E-07	2.0E+01	6.7E-03	1.0E-03	1.4E-04	1.6E-01	1.4E-02	3.1E-07
626	0.24	2.4E-07	1.6E+01	6.7E-03	1.0E-03	1.1E-04	1.6E-01	1.4E-02	2.4E-07
627	0.20	2.0E-07	1.3E+01	6.7E-03	1.0E-03	9.3E-05	1.6E-01	1.4E-02	2.0E-07
628	0.16	1.6E-07	1.1E+01	6.7E-03	1.0E-03	7.6E-05	1.6E-01	1.4E-02	1.6E-07
629	0.05	4.6E-08	3.0E+00	6.7E-03	1.0E-03	2.1E-05	1.6E-01	1.4E-02	4.6E-08
630	0.05	5.2E-08	3.5E+00	6.7E-03	1.0E-03	2.4E-05	1.6E-01	1.4E-02	5.2E-08
631	0.06	6.1E-08	4.0E+00	6.7E-03	1.0E-03	2.8E-05	1.6E-01	1.4E-02	6.1E-08

632	0.07	7.1E-08	4.7E+00	6.7E-03	1.0E-03	3.3E-05	1.6E-01	1.4E-02	7.1E-08
633	0.09	8.6E-08	5.7E+00	6.7E-03	1.0E-03	4.0E-05	1.6E-01	1.4E-02	8.6E-08
634	0.47	4.7E-07	3.1E+01	6.7E-03	1.0E-03	2.2E-04	1.6E-01	1.4E-02	4.7E-07
635	0.35	3.5E-07	2.3E+01	6.7E-03	1.0E-03	1.6E-04	1.6E-01	1.4E-02	3.5E-07
636	0.27	2.7E-07	1.8E+01	6.7E-03	1.0E-03	1.3E-04	1.6E-01	1.4E-02	2.7E-07
637	0.22	2.2E-07	1.5E+01	6.7E-03	1.0E-03	1.0E-04	1.6E-01	1.4E-02	2.2E-07
638	0.18	1.8E-07	1.2E+01	6.7E-03	1.0E-03	8.5E-05	1.6E-01	1.4E-02	1.8E-07
639	0.15	1.5E-07	1.0E+01	6.7E-03	1.0E-03	7.2E-05	1.6E-01	1.4E-02	1.5E-07
640	0.04	4.4E-08	2.9E+00	6.7E-03	1.0E-03	2.0E-05	1.6E-01	1.4E-02	4.4E-08
641	0.05	5.0E-08	3.3E+00	6.7E-03	1.0E-03	2.3E-05	1.6E-01	1.4E-02	5.0E-08
642	0.06	5.8E-08	3.9E+00	6.7E-03	1.0E-03	2.7E-05	1.6E-01	1.4E-02	5.8E-08
643	0.07	6.8E-08	4.5E+00	6.7E-03	1.0E-03	3.2E-05	1.6E-01	1.4E-02	6.8E-08
644	0.08	8.1E-08	5.4E+00	6.7E-03	1.0E-03	3.8E-05	1.6E-01	1.4E-02	8.1E-08
645	0.38	3.8E-07	2.5E+01	6.7E-03	1.0E-03	1.7E-04	1.6E-01	1.4E-02	3.8E-07
646	0.30	3.0E-07	2.0E+01	6.7E-03	1.0E-03	1.4E-04	1.6E-01	1.4E-02	3.0E-07
647	0.24	2.4E-07	1.6E+01	6.7E-03	1.0E-03	1.1E-04	1.6E-01	1.4E-02	2.4E-07
648	0.20	2.0E-07	1.3E+01	6.7E-03	1.0E-03	9.2E-05	1.6E-01	1.4E-02	2.0E-07
649	0.17	1.7E-07	1.1E+01	6.7E-03	1.0E-03	7.7E-05	1.6E-01	1.4E-02	1.7E-07
650	0.14	1.4E-07	9.4E+00	6.7E-03	1.0E-03	6.6E-05	1.6E-01	1.4E-02	1.4E-07
651	0.04	4.2E-08	2.8E+00	6.7E-03	1.0E-03	2.0E-05	1.6E-01	1.4E-02	4.2E-08
652	0.05	4.8E-08	3.2E+00	6.7E-03	1.0E-03	2.2E-05	1.6E-01	1.4E-02	4.8E-08
653	0.06	5.6E-08	3.7E+00	6.7E-03	1.0E-03	2.6E-05	1.6E-01	1.4E-02	5.6E-08
654	0.06	6.5E-08	4.3E+00	6.7E-03	1.0E-03	3.0E-05	1.6E-01	1.4E-02	6.5E-08
655	0.08	7.6E-08	5.1E+00	6.7E-03	1.0E-03	3.5E-05	1.6E-01	1.4E-02	7.6E-08
656	0.09	9.1E-08	6.0E+00	6.7E-03	1.0E-03	4.2E-05	1.6E-01	1.4E-02	9.1E-08
657	0.11	1.1E-07	7.3E+00	6.7E-03	1.0E-03	5.1E-05	1.6E-01	1.4E-02	1.1E-07
658	0.14	1.4E-07	9.1E+00	6.7E-03	1.0E-03	6.4E-05	1.6E-01	1.4E-02	1.4E-07
659	0.17	1.7E-07	1.2E+01	6.7E-03	1.0E-03	8.1E-05	1.6E-01	1.4E-02	1.7E-07
660	0.23	2.3E-07	1.5E+01	6.7E-03	1.0E-03	1.1E-04	1.6E-01	1.4E-02	2.3E-07
661	0.29	2.9E-07	1.9E+01	6.7E-03	1.0E-03	1.4E-04	1.6E-01	1.4E-02	2.9E-07
662	0.37	3.7E-07	2.4E+01	6.7E-03	1.0E-03	1.7E-04	1.6E-01	1.4E-02	3.7E-07
663	0.44	4.4E-07	2.9E+01	6.7E-03	1.0E-03	2.0E-04	1.6E-01	1.4E-02	4.4E-07
664	0.49	4.9E-07	3.2E+01	6.7E-03	1.0E-03	2.3E-04	1.6E-01	1.4E-02	4.9E-07
665	0.52	5.2E-07	3.4E+01	6.7E-03	1.0E-03	2.4E-04	1.6E-01	1.4E-02	5.2E-07
666	0.52	5.2E-07	3.5E+01	6.7E-03	1.0E-03	2.4E-04	1.6E-01	1.4E-02	5.2E-07
667	0.51	5.1E-07	3.4E+01	6.7E-03	1.0E-03	2.4E-04	1.6E-01	1.4E-02	5.1E-07
668	0.48	4.8E-07	3.2E+01	6.7E-03	1.0E-03	2.2E-04	1.6E-01	1.4E-02	4.8E-07
669	0.43	4.3E-07	2.9E+01	6.7E-03	1.0E-03	2.0E-04	1.6E-01	1.4E-02	4.3E-07
670	0.36	3.6E-07	2.4E+01	6.7E-03	1.0E-03	1.7E-04	1.6E-01	1.4E-02	3.6E-07
671	0.30	3.0E-07	2.0E+01	6.7E-03	1.0E-03	1.4E-04	1.6E-01	1.4E-02	3.0E-07
672	0.25	2.5E-07	1.6E+01	6.7E-03	1.0E-03	1.2E-04	1.6E-01	1.4E-02	2.5E-07
673	0.21	2.1E-07	1.4E+01	6.7E-03	1.0E-03	9.6E-05	1.6E-01	1.4E-02	2.1E-07
674	0.17	1.7E-07	1.2E+01	6.7E-03	1.0E-03	8.1E-05	1.6E-01	1.4E-02	1.7E-07
675	0.15	1.5E-07	9.9E+00	6.7E-03	1.0E-03	6.9E-05	1.6E-01	1.4E-02	1.5E-07
676	0.13	1.3E-07	8.6E+00	6.7E-03	1.0E-03	6.0E-05	1.6E-01	1.4E-02	1.3E-07
677	0.04	4.0E-08	2.7E+00	6.7E-03	1.0E-03	1.9E-05	1.6E-01	1.4E-02	4.0E-08
678	0.05	4.5E-08	3.0E+00	6.7E-03	1.0E-03	2.1E-05	1.6E-01	1.4E-02	4.5E-08
679	0.05	5.2E-08	3.5E+00	6.7E-03	1.0E-03	2.4E-05	1.6E-01	1.4E-02	5.2E-08
680	0.06	6.0E-08	4.0E+00	6.7E-03	1.0E-03	2.8E-05	1.6E-01	1.4E-02	6.0E-08

681	0.07	7.0E-08	4.7E+00	6.7E-03	1.0E-03	3.3E-05	1.6E-01	1.4E-02	7.0E-08
682	0.08	8.3E-08	5.5E+00	6.7E-03	1.0E-03	3.8E-05	1.6E-01	1.4E-02	8.3E-08
683	0.10	9.9E-08	6.5E+00	6.7E-03	1.0E-03	4.6E-05	1.6E-01	1.4E-02	9.9E-08
684	0.12	1.2E-07	8.0E+00	6.7E-03	1.0E-03	5.6E-05	1.6E-01	1.4E-02	1.2E-07
685	0.15	1.5E-07	9.8E+00	6.7E-03	1.0E-03	6.9E-05	1.6E-01	1.4E-02	1.5E-07
686	0.18	1.8E-07	1.2E+01	6.7E-03	1.0E-03	8.5E-05	1.6E-01	1.4E-02	1.8E-07
687	0.23	2.3E-07	1.5E+01	6.7E-03	1.0E-03	1.0E-04	1.6E-01	1.4E-02	2.3E-07
688	0.27	2.7E-07	1.8E+01	6.7E-03	1.0E-03	1.3E-04	1.6E-01	1.4E-02	2.7E-07
689	0.31	3.1E-07	2.1E+01	6.7E-03	1.0E-03	1.4E-04	1.6E-01	1.4E-02	3.1E-07
690	0.34	3.4E-07	2.3E+01	6.7E-03	1.0E-03	1.6E-04	1.6E-01	1.4E-02	3.4E-07
691	0.36	3.6E-07	2.4E+01	6.7E-03	1.0E-03	1.7E-04	1.6E-01	1.4E-02	3.6E-07
692	0.37	3.7E-07	2.5E+01	6.7E-03	1.0E-03	1.7E-04	1.6E-01	1.4E-02	3.7E-07
693	0.36	3.6E-07	2.4E+01	6.7E-03	1.0E-03	1.7E-04	1.6E-01	1.4E-02	3.6E-07
694	0.35	3.5E-07	2.3E+01	6.7E-03	1.0E-03	1.6E-04	1.6E-01	1.4E-02	3.5E-07
695	0.32	3.2E-07	2.1E+01	6.7E-03	1.0E-03	1.5E-04	1.6E-01	1.4E-02	3.2E-07
696	0.28	2.8E-07	1.9E+01	6.7E-03	1.0E-03	1.3E-04	1.6E-01	1.4E-02	2.8E-07
697	0.24	2.4E-07	1.6E+01	6.7E-03	1.0E-03	1.1E-04	1.6E-01	1.4E-02	2.4E-07
698	0.21	2.1E-07	1.4E+01	6.7E-03	1.0E-03	9.6E-05	1.6E-01	1.4E-02	2.1E-07
699	0.18	1.8E-07	1.2E+01	6.7E-03	1.0E-03	8.3E-05	1.6E-01	1.4E-02	1.8E-07
700	0.15	1.5E-07	1.0E+01	6.7E-03	1.0E-03	7.1E-05	1.6E-01	1.4E-02	1.5E-07
701	0.13	1.3E-07	8.9E+00	6.7E-03	1.0E-03	6.2E-05	1.6E-01	1.4E-02	1.3E-07
702	0.12	1.2E-07	7.8E+00	6.7E-03	1.0E-03	5.4E-05	1.6E-01	1.4E-02	1.2E-07
703	0.04	3.8E-08	2.5E+00	6.7E-03	1.0E-03	1.8E-05	1.6E-01	1.4E-02	3.8E-08
704	0.04	4.3E-08	2.9E+00	6.7E-03	1.0E-03	2.0E-05	1.6E-01	1.4E-02	4.3E-08
705	0.05	4.9E-08	3.2E+00	6.7E-03	1.0E-03	2.3E-05	1.6E-01	1.4E-02	4.9E-08
706	0.06	5.6E-08	3.7E+00	6.7E-03	1.0E-03	2.6E-05	1.6E-01	1.4E-02	5.6E-08
707	0.06	6.4E-08	4.3E+00	6.7E-03	1.0E-03	3.0E-05	1.6E-01	1.4E-02	6.4E-08
708	0.08	7.5E-08	5.0E+00	6.7E-03	1.0E-03	3.5E-05	1.6E-01	1.4E-02	7.5E-08
709	0.09	8.9E-08	5.9E+00	6.7E-03	1.0E-03	4.1E-05	1.6E-01	1.4E-02	8.9E-08
710	0.11	1.1E-07	7.1E+00	6.7E-03	1.0E-03	4.9E-05	1.6E-01	1.4E-02	1.1E-07
711	0.13	1.3E-07	8.4E+00	6.7E-03	1.0E-03	5.9E-05	1.6E-01	1.4E-02	1.3E-07
712	0.15	1.5E-07	1.0E+01	6.7E-03	1.0E-03	7.0E-05	1.6E-01	1.4E-02	1.5E-07
713	0.18	1.8E-07	1.2E+01	6.7E-03	1.0E-03	8.3E-05	1.6E-01	1.4E-02	1.8E-07
714	0.21	2.1E-07	1.4E+01	6.7E-03	1.0E-03	9.7E-05	1.6E-01	1.4E-02	2.1E-07
715	0.23	2.3E-07	1.6E+01	6.7E-03	1.0E-03	1.1E-04	1.6E-01	1.4E-02	2.3E-07
716	0.26	2.6E-07	1.7E+01	6.7E-03	1.0E-03	1.2E-04	1.6E-01	1.4E-02	2.6E-07
717	0.27	2.7E-07	1.8E+01	6.7E-03	1.0E-03	1.2E-04	1.6E-01	1.4E-02	2.7E-07
718	0.27	2.7E-07	1.8E+01	6.7E-03	1.0E-03	1.3E-04	1.6E-01	1.4E-02	2.7E-07
719	0.27	2.7E-07	1.8E+01	6.7E-03	1.0E-03	1.3E-04	1.6E-01	1.4E-02	2.7E-07
720	0.26	2.6E-07	1.7E+01	6.7E-03	1.0E-03	1.2E-04	1.6E-01	1.4E-02	2.6E-07
721	0.24	2.4E-07	1.6E+01	6.7E-03	1.0E-03	1.1E-04	1.6E-01	1.4E-02	2.4E-07
722	0.22	2.2E-07	1.5E+01	6.7E-03	1.0E-03	1.0E-04	1.6E-01	1.4E-02	2.2E-07
723	0.20	2.0E-07	1.3E+01	6.7E-03	1.0E-03	9.2E-05	1.6E-01	1.4E-02	2.0E-07
724	0.18	1.8E-07	1.2E+01	6.7E-03	1.0E-03	8.1E-05	1.6E-01	1.4E-02	1.8E-07
725	0.15	1.5E-07	1.0E+01	6.7E-03	1.0E-03	7.2E-05	1.6E-01	1.4E-02	1.5E-07
726	0.14	1.4E-07	9.0E+00	6.7E-03	1.0E-03	6.3E-05	1.6E-01	1.4E-02	1.4E-07
727	0.12	1.2E-07	7.9E+00	6.7E-03	1.0E-03	5.6E-05	1.6E-01	1.4E-02	1.2E-07
728	0.11	1.1E-07	7.0E+00	6.7E-03	1.0E-03	4.9E-05	1.6E-01	1.4E-02	1.1E-07
729	0.04	3.6E-08	2.4E+00	6.7E-03	1.0E-03	1.7E-05	1.6E-01	1.4E-02	3.6E-08

730	0.04	4.1E-08	2.7E+00	6.7E-03	1.0E-03	1.9E-05	1.6E-01	1.4E-02	4.1E-08
731	0.05	4.6E-08	3.0E+00	6.7E-03	1.0E-03	2.1E-05	1.6E-01	1.4E-02	4.6E-08
732	0.05	5.2E-08	3.5E+00	6.7E-03	1.0E-03	2.4E-05	1.6E-01	1.4E-02	5.2E-08
733	0.06	5.9E-08	3.9E+00	6.7E-03	1.0E-03	2.8E-05	1.6E-01	1.4E-02	5.9E-08
734	0.07	6.9E-08	4.6E+00	6.7E-03	1.0E-03	3.2E-05	1.6E-01	1.4E-02	6.9E-08
735	0.08	8.0E-08	5.3E+00	6.7E-03	1.0E-03	3.7E-05	1.6E-01	1.4E-02	8.0E-08
736	0.09	9.4E-08	6.2E+00	6.7E-03	1.0E-03	4.3E-05	1.6E-01	1.4E-02	9.4E-08
737	0.11	1.1E-07	7.2E+00	6.7E-03	1.0E-03	5.0E-05	1.6E-01	1.4E-02	1.1E-07
738	0.13	1.3E-07	8.4E+00	6.7E-03	1.0E-03	5.9E-05	1.6E-01	1.4E-02	1.3E-07
739	0.15	1.5E-07	9.6E+00	6.7E-03	1.0E-03	6.8E-05	1.6E-01	1.4E-02	1.5E-07
740	0.17	1.7E-07	1.1E+01	6.7E-03	1.0E-03	7.7E-05	1.6E-01	1.4E-02	1.7E-07
741	0.18	1.8E-07	1.2E+01	6.7E-03	1.0E-03	8.5E-05	1.6E-01	1.4E-02	1.8E-07
742	0.20	2.0E-07	1.3E+01	6.7E-03	1.0E-03	9.2E-05	1.6E-01	1.4E-02	2.0E-07
743	0.21	2.1E-07	1.4E+01	6.7E-03	1.0E-03	9.6E-05	1.6E-01	1.4E-02	2.1E-07
744	0.21	2.1E-07	1.4E+01	6.7E-03	1.0E-03	9.9E-05	1.6E-01	1.4E-02	2.1E-07
745	0.21	2.1E-07	1.4E+01	6.7E-03	1.0E-03	9.9E-05	1.6E-01	1.4E-02	2.1E-07
746	0.21	2.1E-07	1.4E+01	6.7E-03	1.0E-03	9.6E-05	1.6E-01	1.4E-02	2.1E-07
747	0.20	2.0E-07	1.3E+01	6.7E-03	1.0E-03	9.1E-05	1.6E-01	1.4E-02	2.0E-07
748	0.18	1.8E-07	1.2E+01	6.7E-03	1.0E-03	8.4E-05	1.6E-01	1.4E-02	1.8E-07
749	0.17	1.7E-07	1.1E+01	6.7E-03	1.0E-03	7.7E-05	1.6E-01	1.4E-02	1.7E-07
750	0.15	1.5E-07	9.9E+00	6.7E-03	1.0E-03	6.9E-05	1.6E-01	1.4E-02	1.5E-07
751	0.13	1.3E-07	8.9E+00	6.7E-03	1.0E-03	6.2E-05	1.6E-01	1.4E-02	1.3E-07
752	0.12	1.2E-07	7.9E+00	6.7E-03	1.0E-03	5.6E-05	1.6E-01	1.4E-02	1.2E-07
753	0.11	1.1E-07	7.1E+00	6.7E-03	1.0E-03	5.0E-05	1.6E-01	1.4E-02	1.1E-07
754	0.10	9.6E-08	6.4E+00	6.7E-03	1.0E-03	4.5E-05	1.6E-01	1.4E-02	9.6E-08
755	0.03	3.4E-08	2.3E+00	6.7E-03	1.0E-03	1.6E-05	1.6E-01	1.4E-02	3.4E-08
756	0.04	3.8E-08	2.5E+00	6.7E-03	1.0E-03	1.8E-05	1.6E-01	1.4E-02	3.8E-08
757	0.04	4.3E-08	2.8E+00	6.7E-03	1.0E-03	2.0E-05	1.6E-01	1.4E-02	4.3E-08
758	0.05	4.8E-08	3.2E+00	6.7E-03	1.0E-03	2.2E-05	1.6E-01	1.4E-02	4.8E-08
759	0.05	5.5E-08	3.6E+00	6.7E-03	1.0E-03	2.5E-05	1.6E-01	1.4E-02	5.5E-08
760	0.06	6.2E-08	4.1E+00	6.7E-03	1.0E-03	2.9E-05	1.6E-01	1.4E-02	6.2E-08
761	0.07	7.1E-08	4.7E+00	6.7E-03	1.0E-03	3.3E-05	1.6E-01	1.4E-02	7.1E-08
762	0.08	8.2E-08	5.5E+00	6.7E-03	1.0E-03	3.8E-05	1.6E-01	1.4E-02	8.2E-08
763	0.09	9.4E-08	6.2E+00	6.7E-03	1.0E-03	4.4E-05	1.6E-01	1.4E-02	9.4E-08
764	0.11	1.1E-07	7.1E+00	6.7E-03	1.0E-03	5.0E-05	1.6E-01	1.4E-02	1.1E-07
765	0.12	1.2E-07	8.0E+00	6.7E-03	1.0E-03	5.6E-05	1.6E-01	1.4E-02	1.2E-07
766	0.13	1.3E-07	8.9E+00	6.7E-03	1.0E-03	6.3E-05	1.6E-01	1.4E-02	1.3E-07
767	0.15	1.5E-07	9.8E+00	6.7E-03	1.0E-03	6.9E-05	1.6E-01	1.4E-02	1.5E-07
768	0.16	1.6E-07	1.0E+01	6.7E-03	1.0E-03	7.3E-05	1.6E-01	1.4E-02	1.6E-07
769	0.17	1.7E-07	1.1E+01	6.7E-03	1.0E-03	7.7E-05	1.6E-01	1.4E-02	1.7E-07
770	0.17	1.7E-07	1.1E+01	6.7E-03	1.0E-03	7.9E-05	1.6E-01	1.4E-02	1.7E-07
771	0.17	1.7E-07	1.1E+01	6.7E-03	1.0E-03	8.0E-05	1.6E-01	1.4E-02	1.7E-07
772	0.17	1.7E-07	1.1E+01	6.7E-03	1.0E-03	7.9E-05	1.6E-01	1.4E-02	1.7E-07
773	0.16	1.6E-07	1.1E+01	6.7E-03	1.0E-03	7.5E-05	1.6E-01	1.4E-02	1.6E-07
774	0.15	1.5E-07	1.0E+01	6.7E-03	1.0E-03	7.0E-05	1.6E-01	1.4E-02	1.5E-07
775	0.14	1.4E-07	9.3E+00	6.7E-03	1.0E-03	6.5E-05	1.6E-01	1.4E-02	1.4E-07
776	0.13	1.3E-07	8.5E+00	6.7E-03	1.0E-03	6.0E-05	1.6E-01	1.4E-02	1.3E-07
777	0.12	1.2E-07	7.8E+00	6.7E-03	1.0E-03	5.4E-05	1.6E-01	1.4E-02	1.2E-07
778	0.11	1.1E-07	7.1E+00	6.7E-03	1.0E-03	4.9E-05	1.6E-01	1.4E-02	1.1E-07

779	0.10	9.6E-08	6.4E+00	6.7E-03	1.0E-03	4.5E-05	1.6E-01	1.4E-02	9.6E-08
780	0.09	8.7E-08	5.8E+00	6.7E-03	1.0E-03	4.1E-05	1.6E-01	1.4E-02	8.7E-08
781	0.03	3.2E-08	2.1E+00	6.7E-03	1.0E-03	1.5E-05	1.6E-01	1.4E-02	3.2E-08
782	0.04	3.6E-08	2.4E+00	6.7E-03	1.0E-03	1.7E-05	1.6E-01	1.4E-02	3.6E-08
783	0.04	4.0E-08	2.6E+00	6.7E-03	1.0E-03	1.8E-05	1.6E-01	1.4E-02	4.0E-08
784	0.04	4.5E-08	3.0E+00	6.7E-03	1.0E-03	2.1E-05	1.6E-01	1.4E-02	4.5E-08
785	0.05	5.0E-08	3.3E+00	6.7E-03	1.0E-03	2.3E-05	1.6E-01	1.4E-02	5.0E-08
786	0.06	5.7E-08	3.8E+00	6.7E-03	1.0E-03	2.6E-05	1.6E-01	1.4E-02	5.7E-08
787	0.06	6.4E-08	4.3E+00	6.7E-03	1.0E-03	3.0E-05	1.6E-01	1.4E-02	6.4E-08
788	0.07	7.3E-08	4.8E+00	6.7E-03	1.0E-03	3.4E-05	1.6E-01	1.4E-02	7.3E-08
789	0.08	8.2E-08	5.4E+00	6.7E-03	1.0E-03	3.8E-05	1.6E-01	1.4E-02	8.2E-08
790	0.09	9.2E-08	6.1E+00	6.7E-03	1.0E-03	4.3E-05	1.6E-01	1.4E-02	9.2E-08
791	0.10	1.0E-07	6.8E+00	6.7E-03	1.0E-03	4.7E-05	1.6E-01	1.4E-02	1.0E-07
792	0.11	1.1E-07	7.5E+00	6.7E-03	1.0E-03	5.2E-05	1.6E-01	1.4E-02	1.1E-07
793	0.12	1.2E-07	8.1E+00	6.7E-03	1.0E-03	5.7E-05	1.6E-01	1.4E-02	1.2E-07
794	0.13	1.3E-07	8.6E+00	6.7E-03	1.0E-03	6.0E-05	1.6E-01	1.4E-02	1.3E-07
795	0.14	1.4E-07	9.0E+00	6.7E-03	1.0E-03	6.3E-05	1.6E-01	1.4E-02	1.4E-07
796	0.14	1.4E-07	9.3E+00	6.7E-03	1.0E-03	6.5E-05	1.6E-01	1.4E-02	1.4E-07
797	0.14	1.4E-07	9.4E+00	6.7E-03	1.0E-03	6.6E-05	1.6E-01	1.4E-02	1.4E-07
798	0.14	1.4E-07	9.3E+00	6.7E-03	1.0E-03	6.5E-05	1.6E-01	1.4E-02	1.4E-07
799	0.14	1.4E-07	9.0E+00	6.7E-03	1.0E-03	6.3E-05	1.6E-01	1.4E-02	1.4E-07
800	0.13	1.3E-07	8.5E+00	6.7E-03	1.0E-03	5.9E-05	1.6E-01	1.4E-02	1.3E-07
801	0.12	1.2E-07	8.0E+00	6.7E-03	1.0E-03	5.6E-05	1.6E-01	1.4E-02	1.2E-07
802	0.11	1.1E-07	7.4E+00	6.7E-03	1.0E-03	5.2E-05	1.6E-01	1.4E-02	1.1E-07
803	0.10	1.0E-07	6.9E+00	6.7E-03	1.0E-03	4.8E-05	1.6E-01	1.4E-02	1.0E-07
804	0.10	9.5E-08	6.3E+00	6.7E-03	1.0E-03	4.4E-05	1.6E-01	1.4E-02	9.5E-08
805	0.09	8.7E-08	5.8E+00	6.7E-03	1.0E-03	4.0E-05	1.6E-01	1.4E-02	8.7E-08
806	0.08	8.0E-08	5.3E+00	6.7E-03	1.0E-03	3.7E-05	1.6E-01	1.4E-02	8.0E-08

Risk From New Building Const - Unmitigated Residential

Franklin School Project
Risk From New Building Const - Unmitigated Residential

	44.16	Max								
						Onsite				
Receptor #	**Total/ Million**	**Total**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**
1	0.12	1.2E-07	1.8E-01	7.2E-03	1.0E-03	1.3E-06	1.6E-01	5.5E-01	1.2E-07	3.2E-01
2	0.13	1.3E-07	2.0E-01	7.2E-03	1.0E-03	1.5E-06	1.6E-01	5.5E-01	1.3E-07	3.6E-01
3	0.14	1.4E-07	2.1E-01	7.2E-03	1.0E-03	1.6E-06	1.6E-01	5.5E-01	1.4E-07	4.1E-01
4	0.15	1.5E-07	2.3E-01	7.2E-03	1.0E-03	1.7E-06	1.6E-01	5.5E-01	1.5E-07	4.6E-01
5	0.16	1.6E-07	2.5E-01	7.2E-03	1.0E-03	1.9E-06	1.6E-01	5.5E-01	1.6E-07	5.1E-01
6	0.17	1.7E-07	2.7E-01	7.2E-03	1.0E-03	2.0E-06	1.6E-01	5.5E-01	1.7E-07	5.5E-01
7	0.19	1.9E-07	2.9E-01	7.2E-03	1.0E-03	2.1E-06	1.6E-01	5.5E-01	1.8E-07	6.0E-01
8	0.19	1.9E-07	3.0E-01	7.2E-03	1.0E-03	2.3E-06	1.6E-01	5.5E-01	1.9E-07	6.4E-01
9	0.21	2.1E-07	3.2E-01	7.2E-03	1.0E-03	2.4E-06	1.6E-01	5.5E-01	2.1E-07	6.9E-01
10	0.22	2.2E-07	3.3E-01	7.2E-03	1.0E-03	2.5E-06	1.6E-01	5.5E-01	2.1E-07	7.5E-01
11	0.23	2.3E-07	3.5E-01	7.2E-03	1.0E-03	2.7E-06	1.6E-01	5.5E-01	2.3E-07	8.0E-01
12	0.25	2.5E-07	3.8E-01	7.2E-03	1.0E-03	2.9E-06	1.6E-01	5.5E-01	2.5E-07	8.4E-01
13	0.26	2.6E-07	4.0E-01	7.2E-03	1.0E-03	3.0E-06	1.6E-01	5.5E-01	2.6E-07	8.5E-01
14	0.27	2.7E-07	4.2E-01	7.2E-03	1.0E-03	3.2E-06	1.6E-01	5.5E-01	2.7E-07	8.3E-01
15	0.29	2.9E-07	4.4E-01	7.2E-03	1.0E-03	3.3E-06	1.6E-01	5.5E-01	2.8E-07	7.9E-01
16	0.29	2.9E-07	4.5E-01	7.2E-03	1.0E-03	3.4E-06	1.6E-01	5.5E-01	2.9E-07	7.4E-01
17	0.13	1.3E-07	2.0E-01	7.2E-03	1.0E-03	1.5E-06	1.6E-01	5.5E-01	1.3E-07	3.8E-01
18	0.14	1.4E-07	2.2E-01	7.2E-03	1.0E-03	1.7E-06	1.6E-01	5.5E-01	1.4E-07	4.4E-01
19	0.16	1.6E-07	2.4E-01	7.2E-03	1.0E-03	1.8E-06	1.6E-01	5.5E-01	1.6E-07	5.1E-01
20	0.17	1.7E-07	2.7E-01	7.2E-03	1.0E-03	2.0E-06	1.6E-01	5.5E-01	1.7E-07	5.8E-01
21	0.19	1.9E-07	2.9E-01	7.2E-03	1.0E-03	2.2E-06	1.6E-01	5.5E-01	1.9E-07	6.6E-01
22	0.21	2.1E-07	3.2E-01	7.2E-03	1.0E-03	2.4E-06	1.6E-01	5.5E-01	2.1E-07	7.3E-01
23	0.22	2.2E-07	3.4E-01	7.2E-03	1.0E-03	2.6E-06	1.6E-01	5.5E-01	2.2E-07	8.0E-01
24	0.24	2.4E-07	3.6E-01	7.2E-03	1.0E-03	2.7E-06	1.6E-01	5.5E-01	2.3E-07	8.7E-01
25	0.25	2.5E-07	3.9E-01	7.2E-03	1.0E-03	2.9E-06	1.6E-01	5.5E-01	2.5E-07	9.6E-01
26	0.27	2.7E-07	4.1E-01	7.2E-03	1.0E-03	3.1E-06	1.6E-01	5.5E-01	2.6E-07	1.1E+00
27	0.29	2.9E-07	4.4E-01	7.2E-03	1.0E-03	3.3E-06	1.6E-01	5.5E-01	2.9E-07	1.1E+00
28	0.31	3.1E-07	4.8E-01	7.2E-03	1.0E-03	3.6E-06	1.6E-01	5.5E-01	3.1E-07	1.1E+00
29	0.33	3.3E-07	5.1E-01	7.2E-03	1.0E-03	3.8E-06	1.6E-01	5.5E-01	3.3E-07	1.1E+00
30	0.35	3.5E-07	5.3E-01	7.2E-03	1.0E-03	4.0E-06	1.6E-01	5.5E-01	3.5E-07	1.0E+00
31	0.36	3.6E-07	5.5E-01	7.2E-03	1.0E-03	4.2E-06	1.6E-01	5.5E-01	3.6E-07	9.6E-01
32	0.36	3.6E-07	5.6E-01	7.2E-03	1.0E-03	4.2E-06	1.6E-01	5.5E-01	3.6E-07	8.7E-01
33	0.15	1.5E-07	2.2E-01	7.2E-03	1.0E-03	1.7E-06	1.6E-01	5.5E-01	1.4E-07	4.4E-01
34	0.16	1.6E-07	2.5E-01	7.2E-03	1.0E-03	1.9E-06	1.6E-01	5.5E-01	1.6E-07	5.3E-01
35	0.18	1.8E-07	2.8E-01	7.2E-03	1.0E-03	2.1E-06	1.6E-01	5.5E-01	1.8E-07	6.3E-01
36	0.20	2.0E-07	3.1E-01	7.2E-03	1.0E-03	2.4E-06	1.6E-01	5.5E-01	2.0E-07	7.6E-01
37	0.23	2.3E-07	3.5E-01	7.2E-03	1.0E-03	2.6E-06	1.6E-01	5.5E-01	2.3E-07	8.9E-01
38	0.25	2.5E-07	3.8E-01	7.2E-03	1.0E-03	2.9E-06	1.6E-01	5.5E-01	2.5E-07	1.0E+00
39	0.27	2.7E-07	4.2E-01	7.2E-03	1.0E-03	3.1E-06	1.6E-01	5.5E-01	2.7E-07	1.1E+00
40	0.29	2.9E-07	4.5E-01	7.2E-03	1.0E-03	3.4E-06	1.6E-01	5.5E-01	2.9E-07	1.3E+00
41	0.31	3.1E-07	4.8E-01	7.2E-03	1.0E-03	3.6E-06	1.6E-01	5.5E-01	3.1E-07	1.4E+00
42	0.34	3.4E-07	5.2E-01	7.2E-03	1.0E-03	3.9E-06	1.6E-01	5.5E-01	3.3E-07	1.5E+00
43	0.37	3.7E-07	5.7E-01	7.2E-03	1.0E-03	4.3E-06	1.6E-01	5.5E-01	3.7E-07	1.6E+00

44	0.40	4.0E-07	6.2E-01	7.2E-03	1.0E-03	4.6E-06	1.6E-01	5.5E-01	4.0E-07	1.5E+00
45	0.43	4.3E-07	6.6E-01	7.2E-03	1.0E-03	5.0E-06	1.6E-01	5.5E-01	4.3E-07	1.4E+00
46	0.45	4.5E-07	6.9E-01	7.2E-03	1.0E-03	5.2E-06	1.6E-01	5.5E-01	4.5E-07	1.3E+00
47	0.46	4.6E-07	7.1E-01	7.2E-03	1.0E-03	5.3E-06	1.6E-01	5.5E-01	4.6E-07	1.1E+00
48	0.46	4.6E-07	7.0E-01	7.2E-03	1.0E-03	5.3E-06	1.6E-01	5.5E-01	4.5E-07	9.8E-01
49	0.16	1.6E-07	2.5E-01	7.2E-03	1.0E-03	1.9E-06	1.6E-01	5.5E-01	1.6E-07	5.2E-01
50	0.19	1.9E-07	2.9E-01	7.2E-03	1.0E-03	2.1E-06	1.6E-01	5.5E-01	1.8E-07	6.4E-01
51	0.21	2.1E-07	3.3E-01	7.2E-03	1.0E-03	2.5E-06	1.6E-01	5.5E-01	2.1E-07	8.1E-01
52	0.24	2.4E-07	3.7E-01	7.2E-03	1.0E-03	2.8E-06	1.6E-01	5.5E-01	2.4E-07	1.0E+00
53	0.27	2.7E-07	4.2E-01	7.2E-03	1.0E-03	3.2E-06	1.6E-01	5.5E-01	2.7E-07	1.3E+00
54	0.31	3.1E-07	4.7E-01	7.2E-03	1.0E-03	3.6E-06	1.6E-01	5.5E-01	3.1E-07	1.5E+00
55	0.34	3.4E-07	5.2E-01	7.2E-03	1.0E-03	3.9E-06	1.6E-01	5.5E-01	3.4E-07	1.7E+00
56	0.37	3.7E-07	5.7E-01	7.2E-03	1.0E-03	4.3E-06	1.6E-01	5.5E-01	3.7E-07	2.0E+00
57	0.40	4.0E-07	6.2E-01	7.2E-03	1.0E-03	4.6E-06	1.6E-01	5.5E-01	4.0E-07	2.3E+00
58	0.44	4.4E-07	6.8E-01	7.2E-03	1.0E-03	5.1E-06	1.6E-01	5.5E-01	4.4E-07	2.4E+00
59	0.50	5.0E-07	7.7E-01	7.2E-03	1.0E-03	5.7E-06	1.6E-01	5.5E-01	4.9E-07	2.3E+00
60	0.54	5.4E-07	8.3E-01	7.2E-03	1.0E-03	6.2E-06	1.6E-01	5.5E-01	5.4E-07	2.1E+00
61	0.57	5.7E-07	8.9E-01	7.2E-03	1.0E-03	6.7E-06	1.6E-01	5.5E-01	5.7E-07	1.8E+00
62	0.59	5.9E-07	9.1E-01	7.2E-03	1.0E-03	6.9E-06	1.6E-01	5.5E-01	5.9E-07	1.5E+00
63	0.59	5.9E-07	9.1E-01	7.2E-03	1.0E-03	6.8E-06	1.6E-01	5.5E-01	5.9E-07	1.3E+00
64	0.57	5.7E-07	8.8E-01	7.2E-03	1.0E-03	6.6E-06	1.6E-01	5.5E-01	5.7E-07	1.1E+00
65	0.18	1.8E-07	2.8E-01	7.2E-03	1.0E-03	2.1E-06	1.6E-01	5.5E-01	1.8E-07	6.0E-01
66	0.21	2.1E-07	3.3E-01	7.2E-03	1.0E-03	2.5E-06	1.6E-01	5.5E-01	2.1E-07	7.8E-01
67	0.25	2.5E-07	3.8E-01	7.2E-03	1.0E-03	2.9E-06	1.6E-01	5.5E-01	2.5E-07	1.0E+00
68	0.29	2.9E-07	4.4E-01	7.2E-03	1.0E-03	3.3E-06	1.6E-01	5.5E-01	2.9E-07	1.4E+00
69	0.34	3.4E-07	5.2E-01	7.2E-03	1.0E-03	3.9E-06	1.6E-01	5.5E-01	3.3E-07	1.9E+00
70	0.39	3.9E-07	6.0E-01	7.2E-03	1.0E-03	4.5E-06	1.6E-01	5.5E-01	3.9E-07	2.5E+00
71	0.44	4.4E-07	6.8E-01	7.2E-03	1.0E-03	5.1E-06	1.6E-01	5.5E-01	4.4E-07	3.0E+00
72	0.49	4.9E-07	7.5E-01	7.2E-03	1.0E-03	5.7E-06	1.6E-01	5.5E-01	4.9E-07	3.6E+00
73	0.54	5.4E-07	8.4E-01	7.2E-03	1.0E-03	6.3E-06	1.6E-01	5.5E-01	5.4E-07	3.9E+00
74	0.62	6.2E-07	9.5E-01	7.2E-03	1.0E-03	7.2E-06	1.6E-01	5.5E-01	6.2E-07	3.7E+00
75	0.70	7.0E-07	1.1E+00	7.2E-03	1.0E-03	8.1E-06	1.6E-01	5.5E-01	6.9E-07	3.2E+00
76	0.76	7.6E-07	1.2E+00	7.2E-03	1.0E-03	8.8E-06	1.6E-01	5.5E-01	7.6E-07	2.6E+00
77	0.80	8.0E-07	1.2E+00	7.2E-03	1.0E-03	9.2E-06	1.6E-01	5.5E-01	7.9E-07	2.1E+00
78	0.80	8.0E-07	1.2E+00	7.2E-03	1.0E-03	9.2E-06	1.6E-01	5.5E-01	7.9E-07	1.7E+00
79	0.76	7.6E-07	1.2E+00	7.2E-03	1.0E-03	8.9E-06	1.6E-01	5.5E-01	7.6E-07	1.4E+00
80	0.71	7.1E-07	1.1E+00	7.2E-03	1.0E-03	8.2E-06	1.6E-01	5.5E-01	7.1E-07	1.1E+00
81	0.20	2.0E-07	3.1E-01	7.2E-03	1.0E-03	2.4E-06	1.6E-01	5.5E-01	2.0E-07	6.8E-01
82	0.24	2.4E-07	3.7E-01	7.2E-03	1.0E-03	2.8E-06	1.6E-01	5.5E-01	2.4E-07	9.3E-01
83	0.29	2.9E-07	4.5E-01	7.2E-03	1.0E-03	3.3E-06	1.6E-01	5.5E-01	2.9E-07	1.3E+00
84	0.35	3.5E-07	5.4E-01	7.2E-03	1.0E-03	4.0E-06	1.6E-01	5.5E-01	3.5E-07	2.0E+00
85	0.42	4.2E-07	6.5E-01	7.2E-03	1.0E-03	4.8E-06	1.6E-01	5.5E-01	4.2E-07	3.1E+00
86	0.50	5.0E-07	7.7E-01	7.2E-03	1.0E-03	5.8E-06	1.6E-01	5.5E-01	5.0E-07	4.8E+00
87	0.60	6.0E-07	9.1E-01	7.2E-03	1.0E-03	6.8E-06	1.6E-01	5.5E-01	5.9E-07	6.6E+00
88	0.69	6.9E-07	1.1E+00	7.2E-03	1.0E-03	7.9E-06	1.6E-01	5.5E-01	6.8E-07	7.9E+00
89	0.78	7.8E-07	1.2E+00	7.2E-03	1.0E-03	9.0E-06	1.6E-01	5.5E-01	7.8E-07	7.2E+00
90	0.93	9.3E-07	1.4E+00	7.2E-03	1.0E-03	1.1E-05	1.6E-01	5.5E-01	9.2E-07	5.6E+00
91	1.04	1.0E-06	1.6E+00	7.2E-03	1.0E-03	1.2E-05	1.6E-01	5.5E-01	1.0E-06	4.2E+00
92	1.12	1.1E-06	1.7E+00	7.2E-03	1.0E-03	1.3E-05	1.6E-01	5.5E-01	1.1E-06	3.1E+00

93	1.13	1.1E-06	1.7E+00	7.2E-03	1.0E-03	1.3E-05	1.6E-01	5.5E-01	1.1E-06	2.3E+00
94	1.07	1.1E-06	1.7E+00	7.2E-03	1.0E-03	1.2E-05	1.6E-01	5.5E-01	1.1E-06	1.8E+00
95	0.97	9.7E-07	1.5E+00	7.2E-03	1.0E-03	1.1E-05	1.6E-01	5.5E-01	9.7E-07	1.4E+00
96	0.86	8.6E-07	1.3E+00	7.2E-03	1.0E-03	1.0E-05	1.6E-01	5.5E-01	8.6E-07	1.1E+00
97	0.23	2.3E-07	3.5E-01	7.2E-03	1.0E-03	2.6E-06	1.6E-01	5.5E-01	2.3E-07	7.5E-01
98	0.27	2.7E-07	4.2E-01	7.2E-03	1.0E-03	3.2E-06	1.6E-01	5.5E-01	2.7E-07	1.1E+00
99	0.34	3.4E-07	5.2E-01	7.2E-03	1.0E-03	3.9E-06	1.6E-01	5.5E-01	3.4E-07	1.6E+00
100	0.42	4.2E-07	6.5E-01	7.2E-03	1.0E-03	4.9E-06	1.6E-01	5.5E-01	4.2E-07	2.7E+00
101	0.53	5.3E-07	8.2E-01	7.2E-03	1.0E-03	6.1E-06	1.6E-01	5.5E-01	5.3E-07	5.2E+00
102	0.68	6.8E-07	1.0E+00	7.2E-03	1.0E-03	7.8E-06	1.6E-01	5.5E-01	6.7E-07	1.2E+01
103	0.87	8.7E-07	1.3E+00	7.2E-03	1.0E-03	9.7E-06	1.6E-01	5.5E-01	8.3E-07	2.3E+01
104	1.06	1.1E-06	1.6E+00	7.2E-03	1.0E-03	1.2E-05	1.6E-01	5.5E-01	1.0E-06	2.0E+01
105	1.23	1.2E-06	1.9E+00	7.2E-03	1.0E-03	1.4E-05	1.6E-01	5.5E-01	1.2E-06	1.2E+01
106	1.49	1.5E-06	2.3E+00	7.2E-03	1.0E-03	1.7E-05	1.6E-01	5.5E-01	1.5E-06	7.4E+00
107	1.67	1.7E-06	2.6E+00	7.2E-03	1.0E-03	1.9E-05	1.6E-01	5.5E-01	1.7E-06	4.7E+00
108	1.72	1.7E-06	2.7E+00	7.2E-03	1.0E-03	2.0E-05	1.6E-01	5.5E-01	1.7E-06	3.2E+00
109	1.61	1.6E-06	2.5E+00	7.2E-03	1.0E-03	1.9E-05	1.6E-01	5.5E-01	1.6E-06	2.3E+00
110	1.42	1.4E-06	2.2E+00	7.2E-03	1.0E-03	1.6E-05	1.6E-01	5.5E-01	1.4E-06	1.7E+00
111	1.20	1.2E-06	1.9E+00	7.2E-03	1.0E-03	1.4E-05	1.6E-01	5.5E-01	1.2E-06	1.3E+00
112	1.01	1.0E-06	1.6E+00	7.2E-03	1.0E-03	1.2E-05	1.6E-01	5.5E-01	1.0E-06	1.0E+00
113	0.25	2.5E-07	3.8E-01	7.2E-03	1.0E-03	2.9E-06	1.6E-01	5.5E-01	2.5E-07	7.9E-01
114	0.31	3.1E-07	4.7E-01	7.2E-03	1.0E-03	3.6E-06	1.6E-01	5.5E-01	3.1E-07	1.1E+00
115	0.39	3.9E-07	6.0E-01	7.2E-03	1.0E-03	4.5E-06	1.6E-01	5.5E-01	3.9E-07	1.8E+00
116	0.51	5.1E-07	7.8E-01	7.2E-03	1.0E-03	5.9E-06	1.6E-01	5.5E-01	5.1E-07	3.3E+00
117	0.68	6.8E-07	1.0E+00	7.2E-03	1.0E-03	7.9E-06	1.6E-01	5.5E-01	6.8E-07	7.6E+00
118	2.74	2.7E-06	4.2E+00	7.2E-03	1.0E-03	3.2E-05	1.6E-01	5.5E-01	2.7E-06	7.7E+00
119	2.93	2.9E-06	4.5E+00	7.2E-03	1.0E-03	3.4E-05	1.6E-01	5.5E-01	2.9E-06	4.5E+00
120	2.70	2.7E-06	4.2E+00	7.2E-03	1.0E-03	3.1E-05	1.6E-01	5.5E-01	2.7E-06	3.0E+00
121	2.24	2.2E-06	3.5E+00	7.2E-03	1.0E-03	2.6E-05	1.6E-01	5.5E-01	2.2E-06	2.1E+00
122	1.78	1.8E-06	2.8E+00	7.2E-03	1.0E-03	2.1E-05	1.6E-01	5.5E-01	1.8E-06	1.5E+00
123	1.40	1.4E-06	2.2E+00	7.2E-03	1.0E-03	1.6E-05	1.6E-01	5.5E-01	1.4E-06	1.1E+00
124	1.11	1.1E-06	1.7E+00	7.2E-03	1.0E-03	1.3E-05	1.6E-01	5.5E-01	1.1E-06	9.0E-01
125	0.26	2.6E-07	4.1E-01	7.2E-03	1.0E-03	3.1E-06	1.6E-01	5.5E-01	2.6E-07	7.8E-01
126	0.34	3.4E-07	5.2E-01	7.2E-03	1.0E-03	3.9E-06	1.6E-01	5.5E-01	3.3E-07	1.1E+00
127	0.44	4.4E-07	6.8E-01	7.2E-03	1.0E-03	5.1E-06	1.6E-01	5.5E-01	4.4E-07	1.8E+00
128	0.60	6.0E-07	9.2E-01	7.2E-03	1.0E-03	6.9E-06	1.6E-01	5.5E-01	5.9E-07	3.3E+00
129	0.84	8.4E-07	1.3E+00	7.2E-03	1.0E-03	9.8E-06	1.6E-01	5.5E-01	8.4E-07	7.4E+00
130	6.06	6.1E-06	9.4E+00	7.2E-03	1.0E-03	7.0E-05	1.6E-01	5.5E-01	6.1E-06	6.3E+00
131	5.39	5.4E-06	8.3E+00	7.2E-03	1.0E-03	6.3E-05	1.6E-01	5.5E-01	5.4E-06	3.7E+00
132	3.98	4.0E-06	6.1E+00	7.2E-03	1.0E-03	4.6E-05	1.6E-01	5.5E-01	4.0E-06	2.4E+00
133	2.86	2.9E-06	4.4E+00	7.2E-03	1.0E-03	3.3E-05	1.6E-01	5.5E-01	2.9E-06	1.7E+00
134	2.04	2.0E-06	3.1E+00	7.2E-03	1.0E-03	2.4E-05	1.6E-01	5.5E-01	2.0E-06	1.3E+00
135	1.50	1.5E-06	2.3E+00	7.2E-03	1.0E-03	1.7E-05	1.6E-01	5.5E-01	1.5E-06	9.9E-01
136	1.13	1.1E-06	1.7E+00	7.2E-03	1.0E-03	1.3E-05	1.6E-01	5.5E-01	1.1E-06	7.8E-01
137	0.28	2.8E-07	4.3E-01	7.2E-03	1.0E-03	3.2E-06	1.6E-01	5.5E-01	2.8E-07	7.4E-01
138	0.36	3.6E-07	5.5E-01	7.2E-03	1.0E-03	4.1E-06	1.6E-01	5.5E-01	3.6E-07	1.0E+00
139	0.47	4.7E-07	7.3E-01	7.2E-03	1.0E-03	5.5E-06	1.6E-01	5.5E-01	4.7E-07	1.6E+00
140	0.67	6.7E-07	1.0E+00	7.2E-03	1.0E-03	7.7E-06	1.6E-01	5.5E-01	6.7E-07	2.7E+00
141	1.00	1.0E-06	1.5E+00	7.2E-03	1.0E-03	1.2E-05	1.6E-01	5.5E-01	9.9E-07	5.0E+00

142	15.05	1.5E-05	2.3E+01	7.2E-03	1.0E-03	1.7E-04	1.6E-01	5.5E-01	1.5E-05	4.5E+00
143	8.68	8.7E-06	1.3E+01	7.2E-03	1.0E-03	1.0E-04	1.6E-01	5.5E-01	8.7E-06	2.9E+00
144	4.95	5.0E-06	7.7E+00	7.2E-03	1.0E-03	5.8E-05	1.6E-01	5.5E-01	5.0E-06	2.0E+00
145	3.13	3.1E-06	4.8E+00	7.2E-03	1.0E-03	3.6E-05	1.6E-01	5.5E-01	3.1E-06	1.5E+00
146	2.05	2.1E-06	3.2E+00	7.2E-03	1.0E-03	2.4E-05	1.6E-01	5.5E-01	2.0E-06	1.1E+00
147	1.44	1.4E-06	2.2E+00	7.2E-03	1.0E-03	1.7E-05	1.6E-01	5.5E-01	1.4E-06	8.6E-01
148	1.05	1.1E-06	1.6E+00	7.2E-03	1.0E-03	1.2E-05	1.6E-01	5.5E-01	1.1E-06	6.9E-01
149	0.28	2.8E-07	4.4E-01	7.2E-03	1.0E-03	3.3E-06	1.6E-01	5.5E-01	2.8E-07	6.7E-01
150	0.36	3.6E-07	5.6E-01	7.2E-03	1.0E-03	4.2E-06	1.6E-01	5.5E-01	3.6E-07	9.0E-01
151	0.49	4.9E-07	7.6E-01	7.2E-03	1.0E-03	5.7E-06	1.6E-01	5.5E-01	4.9E-07	1.3E+00
152	0.70	7.0E-07	1.1E+00	7.2E-03	1.0E-03	8.1E-06	1.6E-01	5.5E-01	7.0E-07	2.0E+00
153	1.08	1.1E-06	1.7E+00	7.2E-03	1.0E-03	1.2E-05	1.6E-01	5.5E-01	1.1E-06	3.1E+00
154	36.17	3.6E-05	5.6E+01	7.2E-03	1.0E-03	4.2E-04	1.6E-01	5.5E-01	3.6E-05	3.3E+00
155	9.85	9.8E-06	1.5E+01	7.2E-03	1.0E-03	1.1E-04	1.6E-01	5.5E-01	9.8E-06	2.3E+00
156	4.55	4.5E-06	7.0E+00	7.2E-03	1.0E-03	5.3E-05	1.6E-01	5.5E-01	4.5E-06	1.6E+00
157	2.81	2.8E-06	4.3E+00	7.2E-03	1.0E-03	3.3E-05	1.6E-01	5.5E-01	2.8E-06	1.2E+00
158	1.81	1.8E-06	2.8E+00	7.2E-03	1.0E-03	2.1E-05	1.6E-01	5.5E-01	1.8E-06	9.6E-01
159	1.26	1.3E-06	1.9E+00	7.2E-03	1.0E-03	1.5E-05	1.6E-01	5.5E-01	1.3E-06	7.6E-01
160	0.92	9.2E-07	1.4E+00	7.2E-03	1.0E-03	1.1E-05	1.6E-01	5.5E-01	9.2E-07	6.1E-01
161	0.25	2.5E-07	3.9E-01	7.2E-03	1.0E-03	2.9E-06	1.6E-01	5.5E-01	2.5E-07	5.9E-01
162	0.33	3.3E-07	5.1E-01	7.2E-03	1.0E-03	3.8E-06	1.6E-01	5.5E-01	3.3E-07	7.6E-01
163	0.45	4.5E-07	6.9E-01	7.2E-03	1.0E-03	5.2E-06	1.6E-01	5.5E-01	4.5E-07	1.0E+00
164	0.67	6.7E-07	1.0E+00	7.2E-03	1.0E-03	7.7E-06	1.6E-01	5.5E-01	6.6E-07	1.4E+00
165	1.04	1.0E-06	1.6E+00	7.2E-03	1.0E-03	1.2E-05	1.6E-01	5.5E-01	1.0E-06	2.1E+00
166	1.83	1.8E-06	2.8E+00	7.2E-03	1.0E-03	2.1E-05	1.6E-01	5.5E-01	1.8E-06	2.9E+00
167	4.10	4.1E-06	6.3E+00	7.2E-03	1.0E-03	4.8E-05	1.6E-01	5.5E-01	4.1E-06	3.6E+00
168	14.14	1.4E-05	2.2E+01	7.2E-03	1.0E-03	1.6E-04	1.6E-01	5.5E-01	1.4E-05	3.6E+00
169	29.16	2.9E-05	4.5E+01	7.2E-03	1.0E-03	3.4E-04	1.6E-01	5.5E-01	2.9E-05	3.1E+00
170	16.21	1.6E-05	2.5E+01	7.2E-03	1.0E-03	1.9E-04	1.6E-01	5.5E-01	1.6E-05	2.5E+00
171	6.91	6.9E-06	1.1E+01	7.2E-03	1.0E-03	8.0E-05	1.6E-01	5.5E-01	6.9E-06	1.9E+00
172	3.29	3.3E-06	5.1E+00	7.2E-03	1.0E-03	3.8E-05	1.6E-01	5.5E-01	3.3E-06	1.3E+00
173	2.06	2.1E-06	3.2E+00	7.2E-03	1.0E-03	2.4E-05	1.6E-01	5.5E-01	2.1E-06	1.0E+00
174	1.48	1.5E-06	2.3E+00	7.2E-03	1.0E-03	1.7E-05	1.6E-01	5.5E-01	1.5E-06	8.5E-01
175	1.04	1.0E-06	1.6E+00	7.2E-03	1.0E-03	1.2E-05	1.6E-01	5.5E-01	1.0E-06	6.8E-01
176	0.78	7.8E-07	1.2E+00	7.2E-03	1.0E-03	9.0E-06	1.6E-01	5.5E-01	7.8E-07	5.6E-01
177	0.24	2.4E-07	3.7E-01	7.2E-03	1.0E-03	2.8E-06	1.6E-01	5.5E-01	2.4E-07	5.1E-01
178	0.31	3.1E-07	4.7E-01	7.2E-03	1.0E-03	3.6E-06	1.6E-01	5.5E-01	3.1E-07	6.4E-01
179	0.40	4.0E-07	6.1E-01	7.2E-03	1.0E-03	4.6E-06	1.6E-01	5.5E-01	4.0E-07	8.2E-01
180	0.61	6.1E-07	9.5E-01	7.2E-03	1.0E-03	7.1E-06	1.6E-01	5.5E-01	6.1E-07	1.1E+00
181	0.91	9.1E-07	1.4E+00	7.2E-03	1.0E-03	1.1E-05	1.6E-01	5.5E-01	9.1E-07	1.5E+00
182	1.45	1.4E-06	2.2E+00	7.2E-03	1.0E-03	1.7E-05	1.6E-01	5.5E-01	1.4E-06	1.9E+00
183	2.65	2.7E-06	4.1E+00	7.2E-03	1.0E-03	3.1E-05	1.6E-01	5.5E-01	2.7E-06	2.2E+00
184	5.08	5.1E-06	7.8E+00	7.2E-03	1.0E-03	5.9E-05	1.6E-01	5.5E-01	5.1E-06	2.3E+00
185	7.51	7.5E-06	1.2E+01	7.2E-03	1.0E-03	8.7E-05	1.6E-01	5.5E-01	7.5E-06	2.2E+00
186	6.44	6.4E-06	1.0E+01	7.2E-03	1.0E-03	7.5E-05	1.6E-01	5.5E-01	6.4E-06	1.8E+00
187	4.16	4.2E-06	6.4E+00	7.2E-03	1.0E-03	4.8E-05	1.6E-01	5.5E-01	4.2E-06	1.5E+00
188	2.58	2.6E-06	4.0E+00	7.2E-03	1.0E-03	3.0E-05	1.6E-01	5.5E-01	2.6E-06	1.2E+00
189	1.57	1.6E-06	2.4E+00	7.2E-03	1.0E-03	1.8E-05	1.6E-01	5.5E-01	1.6E-06	9.0E-01
190	1.18	1.2E-06	1.8E+00	7.2E-03	1.0E-03	1.4E-05	1.6E-01	5.5E-01	1.2E-06	7.6E-01

191	0.88	8.8E-07	1.4E+00	7.2E-03	1.0E-03	1.0E-05	1.6E-01	5.5E-01	8.8E-07	6.3E-01
192	0.67	6.7E-07	1.0E+00	7.2E-03	1.0E-03	7.7E-06	1.6E-01	5.5E-01	6.7E-07	5.2E-01
193	0.24	2.4E-07	3.7E-01	7.2E-03	1.0E-03	2.8E-06	1.6E-01	5.5E-01	2.4E-07	4.4E-01
194	0.30	3.0E-07	4.7E-01	7.2E-03	1.0E-03	3.5E-06	1.6E-01	5.5E-01	3.0E-07	5.4E-01
195	0.40	4.0E-07	6.2E-01	7.2E-03	1.0E-03	4.7E-06	1.6E-01	5.5E-01	4.0E-07	6.7E-01
196	0.54	5.4E-07	8.3E-01	7.2E-03	1.0E-03	6.2E-06	1.6E-01	5.5E-01	5.3E-07	8.6E-01
197	0.74	7.4E-07	1.1E+00	7.2E-03	1.0E-03	8.6E-06	1.6E-01	5.5E-01	7.4E-07	1.1E+00
198	1.10	1.1E-06	1.7E+00	7.2E-03	1.0E-03	1.3E-05	1.6E-01	5.5E-01	1.1E-06	1.3E+00
199	1.72	1.7E-06	2.7E+00	7.2E-03	1.0E-03	2.0E-05	1.6E-01	5.5E-01	1.7E-06	1.5E+00
200	2.60	2.6E-06	4.0E+00	7.2E-03	1.0E-03	3.0E-05	1.6E-01	5.5E-01	2.6E-06	1.6E+00
201	3.36	3.4E-06	5.2E+00	7.2E-03	1.0E-03	3.9E-05	1.6E-01	5.5E-01	3.4E-06	1.5E+00
202	3.23	3.2E-06	5.0E+00	7.2E-03	1.0E-03	3.8E-05	1.6E-01	5.5E-01	3.2E-06	1.4E+00
203	2.42	2.4E-06	3.7E+00	7.2E-03	1.0E-03	2.8E-05	1.6E-01	5.5E-01	2.4E-06	1.1E+00
204	1.79	1.8E-06	2.8E+00	7.2E-03	1.0E-03	2.1E-05	1.6E-01	5.5E-01	1.8E-06	9.7E-01
205	1.29	1.3E-06	2.0E+00	7.2E-03	1.0E-03	1.5E-05	1.6E-01	5.5E-01	1.3E-06	8.0E-01
206	0.92	9.2E-07	1.4E+00	7.2E-03	1.0E-03	1.1E-05	1.6E-01	5.5E-01	9.2E-07	6.5E-01
207	0.75	7.5E-07	1.2E+00	7.2E-03	1.0E-03	8.7E-06	1.6E-01	5.5E-01	7.5E-07	5.7E-01
208	0.59	5.9E-07	9.1E-01	7.2E-03	1.0E-03	6.8E-06	1.6E-01	5.5E-01	5.9E-07	4.8E-01
209	0.23	2.3E-07	3.6E-01	7.2E-03	1.0E-03	2.7E-06	1.6E-01	5.5E-01	2.3E-07	3.8E-01
210	0.28	2.8E-07	4.4E-01	7.2E-03	1.0E-03	3.3E-06	1.6E-01	5.5E-01	2.8E-07	4.6E-01
211	0.35	3.5E-07	5.5E-01	7.2E-03	1.0E-03	4.1E-06	1.6E-01	5.5E-01	3.5E-07	5.6E-01
212	0.45	4.5E-07	7.0E-01	7.2E-03	1.0E-03	5.3E-06	1.6E-01	5.5E-01	4.5E-07	6.8E-01
213	0.60	6.0E-07	9.3E-01	7.2E-03	1.0E-03	7.0E-06	1.6E-01	5.5E-01	6.0E-07	8.3E-01
214	0.84	8.4E-07	1.3E+00	7.2E-03	1.0E-03	9.7E-06	1.6E-01	5.5E-01	8.4E-07	9.7E-01
215	1.19	1.2E-06	1.8E+00	7.2E-03	1.0E-03	1.4E-05	1.6E-01	5.5E-01	1.2E-06	1.1E+00
216	1.58	1.6E-06	2.4E+00	7.2E-03	1.0E-03	1.8E-05	1.6E-01	5.5E-01	1.6E-06	1.1E+00
217	1.89	1.9E-06	2.9E+00	7.2E-03	1.0E-03	2.2E-05	1.6E-01	5.5E-01	1.9E-06	1.1E+00
218	1.92	1.9E-06	3.0E+00	7.2E-03	1.0E-03	2.2E-05	1.6E-01	5.5E-01	1.9E-06	1.1E+00
219	1.73	1.7E-06	2.7E+00	7.2E-03	1.0E-03	2.0E-05	1.6E-01	5.5E-01	1.7E-06	9.6E-01
220	1.42	1.4E-06	2.2E+00	7.2E-03	1.0E-03	1.6E-05	1.6E-01	5.5E-01	1.4E-06	8.4E-01
221	1.10	1.1E-06	1.7E+00	7.2E-03	1.0E-03	1.3E-05	1.6E-01	5.5E-01	1.1E-06	7.2E-01
222	0.78	7.8E-07	1.2E+00	7.2E-03	1.0E-03	9.0E-06	1.6E-01	5.5E-01	7.8E-07	5.8E-01
223	0.61	6.1E-07	9.4E-01	7.2E-03	1.0E-03	7.0E-06	1.6E-01	5.5E-01	6.1E-07	4.9E-01
224	0.53	5.3E-07	8.1E-01	7.2E-03	1.0E-03	6.1E-06	1.6E-01	5.5E-01	5.2E-07	4.4E-01
225	0.21	2.1E-07	3.3E-01	7.2E-03	1.0E-03	2.5E-06	1.6E-01	5.5E-01	2.1E-07	3.4E-01
226	0.25	2.5E-07	3.9E-01	7.2E-03	1.0E-03	2.9E-06	1.6E-01	5.5E-01	2.5E-07	4.0E-01
227	0.31	3.1E-07	4.8E-01	7.2E-03	1.0E-03	3.6E-06	1.6E-01	5.5E-01	3.1E-07	4.7E-01
228	0.39	3.9E-07	5.9E-01	7.2E-03	1.0E-03	4.5E-06	1.6E-01	5.5E-01	3.8E-07	5.6E-01
229	0.49	4.9E-07	7.6E-01	7.2E-03	1.0E-03	5.7E-06	1.6E-01	5.5E-01	4.9E-07	6.5E-01
230	0.65	6.5E-07	1.0E+00	7.2E-03	1.0E-03	7.5E-06	1.6E-01	5.5E-01	6.5E-07	7.5E-01
231	0.85	8.5E-07	1.3E+00	7.2E-03	1.0E-03	9.8E-06	1.6E-01	5.5E-01	8.5E-07	8.3E-01
232	1.06	1.1E-06	1.6E+00	7.2E-03	1.0E-03	1.2E-05	1.6E-01	5.5E-01	1.1E-06	8.7E-01
233	1.23	1.2E-06	1.9E+00	7.2E-03	1.0E-03	1.4E-05	1.6E-01	5.5E-01	1.2E-06	8.7E-01
234	1.28	1.3E-06	2.0E+00	7.2E-03	1.0E-03	1.5E-05	1.6E-01	5.5E-01	1.3E-06	8.4E-01
235	1.22	1.2E-06	1.9E+00	7.2E-03	1.0E-03	1.4E-05	1.6E-01	5.5E-01	1.2E-06	7.8E-01
236	1.06	1.1E-06	1.6E+00	7.2E-03	1.0E-03	1.2E-05	1.6E-01	5.5E-01	1.1E-06	7.1E-01
237	0.88	8.8E-07	1.4E+00	7.2E-03	1.0E-03	1.0E-05	1.6E-01	5.5E-01	8.8E-07	6.2E-01
238	0.72	7.2E-07	1.1E+00	7.2E-03	1.0E-03	8.3E-06	1.6E-01	5.5E-01	7.1E-07	5.4E-01
239	0.53	5.3E-07	8.2E-01	7.2E-03	1.0E-03	6.2E-06	1.6E-01	5.5E-01	5.3E-07	4.4E-01

240	0.43	4.3E-07	6.7E-01	7.2E-03	1.0E-03	5.0E-06	1.6E-01	5.5E-01	4.3E-07	3.8E-01
241	0.19	1.9E-07	2.9E-01	7.2E-03	1.0E-03	2.2E-06	1.6E-01	5.5E-01	1.9E-07	2.9E-01
242	0.22	2.2E-07	3.5E-01	7.2E-03	1.0E-03	2.6E-06	1.6E-01	5.5E-01	2.2E-07	3.4E-01
243	0.27	2.7E-07	4.1E-01	7.2E-03	1.0E-03	3.1E-06	1.6E-01	5.5E-01	2.7E-07	4.0E-01
244	0.32	3.2E-07	5.0E-01	7.2E-03	1.0E-03	3.8E-06	1.6E-01	5.5E-01	3.2E-07	4.6E-01
245	0.40	4.0E-07	6.2E-01	7.2E-03	1.0E-03	4.7E-06	1.6E-01	5.5E-01	4.0E-07	5.3E-01
246	0.50	5.0E-07	7.8E-01	7.2E-03	1.0E-03	5.8E-06	1.6E-01	5.5E-01	5.0E-07	6.0E-01
247	0.63	6.3E-07	9.8E-01	7.2E-03	1.0E-03	7.3E-06	1.6E-01	5.5E-01	6.3E-07	6.5E-01
248	0.76	7.6E-07	1.2E+00	7.2E-03	1.0E-03	8.8E-06	1.6E-01	5.5E-01	7.6E-07	6.8E-01
249	0.86	8.6E-07	1.3E+00	7.2E-03	1.0E-03	1.0E-05	1.6E-01	5.5E-01	8.6E-07	6.9E-01
250	0.90	9.0E-07	1.4E+00	7.2E-03	1.0E-03	1.0E-05	1.6E-01	5.5E-01	9.0E-07	6.7E-01
251	0.88	8.8E-07	1.4E+00	7.2E-03	1.0E-03	1.0E-05	1.6E-01	5.5E-01	8.8E-07	6.4E-01
252	0.81	8.1E-07	1.3E+00	7.2E-03	1.0E-03	9.4E-06	1.6E-01	5.5E-01	8.1E-07	5.9E-01
253	0.71	7.1E-07	1.1E+00	7.2E-03	1.0E-03	8.2E-06	1.6E-01	5.5E-01	7.1E-07	5.4E-01
254	0.60	6.0E-07	9.3E-01	7.2E-03	1.0E-03	7.0E-06	1.6E-01	5.5E-01	6.0E-07	4.8E-01
255	0.50	5.0E-07	7.7E-01	7.2E-03	1.0E-03	5.8E-06	1.6E-01	5.5E-01	5.0E-07	4.2E-01
256	0.39	3.9E-07	6.0E-01	7.2E-03	1.0E-03	4.5E-06	1.6E-01	5.5E-01	3.9E-07	3.5E-01
257	0.17	1.7E-07	2.6E-01	7.2E-03	1.0E-03	2.0E-06	1.6E-01	5.5E-01	1.7E-07	2.6E-01
258	0.20	2.0E-07	3.1E-01	7.2E-03	1.0E-03	2.3E-06	1.6E-01	5.5E-01	2.0E-07	3.0E-01
259	0.23	2.3E-07	3.6E-01	7.2E-03	1.0E-03	2.7E-06	1.6E-01	5.5E-01	2.3E-07	3.4E-01
260	0.28	2.8E-07	4.3E-01	7.2E-03	1.0E-03	3.2E-06	1.6E-01	5.5E-01	2.8E-07	3.9E-01
261	0.34	3.4E-07	5.2E-01	7.2E-03	1.0E-03	3.9E-06	1.6E-01	5.5E-01	3.4E-07	4.4E-01
262	0.41	4.1E-07	6.3E-01	7.2E-03	1.0E-03	4.7E-06	1.6E-01	5.5E-01	4.1E-07	4.9E-01
263	0.49	4.9E-07	7.6E-01	7.2E-03	1.0E-03	5.7E-06	1.6E-01	5.5E-01	4.9E-07	5.3E-01
264	0.57	5.7E-07	8.9E-01	7.2E-03	1.0E-03	6.7E-06	1.6E-01	5.5E-01	5.7E-07	5.5E-01
265	0.64	6.4E-07	9.8E-01	7.2E-03	1.0E-03	7.4E-06	1.6E-01	5.5E-01	6.4E-07	5.6E-01
266	0.67	6.7E-07	1.0E+00	7.2E-03	1.0E-03	7.8E-06	1.6E-01	5.5E-01	6.7E-07	5.5E-01
267	0.67	6.7E-07	1.0E+00	7.2E-03	1.0E-03	7.7E-06	1.6E-01	5.5E-01	6.7E-07	5.3E-01
268	0.63	6.3E-07	9.7E-01	7.2E-03	1.0E-03	7.3E-06	1.6E-01	5.5E-01	6.3E-07	5.0E-01
269	0.57	5.7E-07	8.8E-01	7.2E-03	1.0E-03	6.6E-06	1.6E-01	5.5E-01	5.7E-07	4.6E-01
270	0.51	5.1E-07	7.8E-01	7.2E-03	1.0E-03	5.9E-06	1.6E-01	5.5E-01	5.0E-07	4.2E-01
271	0.43	4.3E-07	6.7E-01	7.2E-03	1.0E-03	5.0E-06	1.6E-01	5.5E-01	4.3E-07	3.8E-01
272	0.35	3.5E-07	5.4E-01	7.2E-03	1.0E-03	4.0E-06	1.6E-01	5.5E-01	3.5E-07	3.2E-01
273	0.68	6.8E-07	1.0E+00	7.2E-03	1.0E-03	7.8E-06	1.6E-01	5.5E-01	6.7E-07	1.2E+01
274	0.71	7.1E-07	1.1E+00	7.2E-03	1.0E-03	8.1E-06	1.6E-01	5.5E-01	7.0E-07	1.4E+01
275	0.74	7.4E-07	1.1E+00	7.2E-03	1.0E-03	8.4E-06	1.6E-01	5.5E-01	7.3E-07	1.6E+01
276	0.78	7.8E-07	1.2E+00	7.2E-03	1.0E-03	8.8E-06	1.6E-01	5.5E-01	7.6E-07	1.9E+01
277	0.83	8.3E-07	1.2E+00	7.2E-03	1.0E-03	9.2E-06	1.6E-01	5.5E-01	8.0E-07	2.1E+01
278	0.87	8.7E-07	1.3E+00	7.2E-03	1.0E-03	9.7E-06	1.6E-01	5.5E-01	8.3E-07	2.3E+01
279	0.91	9.1E-07	1.3E+00	7.2E-03	1.0E-03	1.0E-05	1.6E-01	5.5E-01	8.6E-07	2.5E+01
280	0.94	9.4E-07	1.4E+00	7.2E-03	1.0E-03	1.0E-05	1.6E-01	5.5E-01	9.0E-07	2.4E+01
281	0.98	9.8E-07	1.4E+00	7.2E-03	1.0E-03	1.1E-05	1.6E-01	5.5E-01	9.3E-07	2.3E+01
282	1.02	1.0E-06	1.5E+00	7.2E-03	1.0E-03	1.1E-05	1.6E-01	5.5E-01	9.7E-07	2.2E+01
283	1.06	1.1E-06	1.6E+00	7.2E-03	1.0E-03	1.2E-05	1.6E-01	5.5E-01	1.0E-06	2.0E+01
284	1.08	1.1E-06	1.6E+00	7.2E-03	1.0E-03	1.2E-05	1.6E-01	5.5E-01	1.0E-06	1.8E+01
285	1.11	1.1E-06	1.7E+00	7.2E-03	1.0E-03	1.3E-05	1.6E-01	5.5E-01	1.1E-06	1.7E+01
286	1.15	1.2E-06	1.7E+00	7.2E-03	1.0E-03	1.3E-05	1.6E-01	5.5E-01	1.1E-06	1.5E+01
287	1.20	1.2E-06	1.8E+00	7.2E-03	1.0E-03	1.4E-05	1.6E-01	5.5E-01	1.2E-06	1.3E+01
288	1.23	1.2E-06	1.9E+00	7.2E-03	1.0E-03	1.4E-05	1.6E-01	5.5E-01	1.2E-06	1.2E+01

289	1.28	1.3E-06	2.0E+00	7.2E-03	1.0E-03	1.5E-05	1.6E-01	5.5E-01	1.3E-06	1.1E+01
290	1.35	1.3E-06	2.1E+00	7.2E-03	1.0E-03	1.6E-05	1.6E-01	5.5E-01	1.3E-06	9.9E+00
291	1.41	1.4E-06	2.2E+00	7.2E-03	1.0E-03	1.6E-05	1.6E-01	5.5E-01	1.4E-06	9.0E+00
292	1.45	1.4E-06	2.2E+00	7.2E-03	1.0E-03	1.7E-05	1.6E-01	5.5E-01	1.4E-06	8.1E+00
293	1.49	1.5E-06	2.3E+00	7.2E-03	1.0E-03	1.7E-05	1.6E-01	5.5E-01	1.5E-06	7.4E+00
294	1.53	1.5E-06	2.4E+00	7.2E-03	1.0E-03	1.8E-05	1.6E-01	5.5E-01	1.5E-06	6.7E+00
295	1.57	1.6E-06	2.4E+00	7.2E-03	1.0E-03	1.8E-05	1.6E-01	5.5E-01	1.6E-06	6.1E+00
296	1.61	1.6E-06	2.5E+00	7.2E-03	1.0E-03	1.9E-05	1.6E-01	5.5E-01	1.6E-06	5.6E+00
297	1.64	1.6E-06	2.5E+00	7.2E-03	1.0E-03	1.9E-05	1.6E-01	5.5E-01	1.6E-06	5.1E+00
298	1.67	1.7E-06	2.6E+00	7.2E-03	1.0E-03	1.9E-05	1.6E-01	5.5E-01	1.7E-06	4.7E+00
299	0.72	7.2E-07	1.1E+00	7.2E-03	1.0E-03	8.3E-06	1.6E-01	5.5E-01	7.1E-07	1.4E+01
300	0.76	7.6E-07	1.1E+00	7.2E-03	1.0E-03	8.6E-06	1.6E-01	5.5E-01	7.4E-07	1.8E+01
301	0.80	8.0E-07	1.2E+00	7.2E-03	1.0E-03	9.0E-06	1.6E-01	5.5E-01	7.8E-07	2.2E+01
302	0.84	8.4E-07	1.3E+00	7.2E-03	1.0E-03	9.4E-06	1.6E-01	5.5E-01	8.1E-07	2.6E+01
303	0.87	8.7E-07	1.3E+00	7.2E-03	1.0E-03	9.9E-06	1.6E-01	5.5E-01	8.6E-07	3.1E+01
304	0.91	9.1E-07	1.4E+00	7.2E-03	1.0E-03	1.0E-05	1.6E-01	5.5E-01	9.0E-07	3.4E+01
305	0.96	9.6E-07	1.4E+00	7.2E-03	1.0E-03	1.1E-05	1.6E-01	5.5E-01	9.3E-07	3.5E+01
306	1.00	1.0E-06	1.5E+00	7.2E-03	1.0E-03	1.1E-05	1.6E-01	5.5E-01	9.7E-07	3.3E+01
307	1.05	1.0E-06	1.6E+00	7.2E-03	1.0E-03	1.2E-05	1.6E-01	5.5E-01	1.0E-06	3.0E+01
308	1.08	1.1E-06	1.6E+00	7.2E-03	1.0E-03	1.2E-05	1.6E-01	5.5E-01	1.1E-06	2.7E+01
309	1.13	1.1E-06	1.7E+00	7.2E-03	1.0E-03	1.3E-05	1.6E-01	5.5E-01	1.1E-06	2.4E+01
310	1.19	1.2E-06	1.8E+00	7.2E-03	1.0E-03	1.3E-05	1.6E-01	5.5E-01	1.1E-06	2.1E+01
311	1.23	1.2E-06	1.8E+00	7.2E-03	1.0E-03	1.4E-05	1.6E-01	5.5E-01	1.2E-06	1.9E+01
312	1.27	1.3E-06	1.9E+00	7.2E-03	1.0E-03	1.4E-05	1.6E-01	5.5E-01	1.2E-06	1.7E+01
313	1.32	1.3E-06	2.0E+00	7.2E-03	1.0E-03	1.5E-05	1.6E-01	5.5E-01	1.3E-06	1.5E+01
314	1.36	1.4E-06	2.1E+00	7.2E-03	1.0E-03	1.6E-05	1.6E-01	5.5E-01	1.3E-06	1.3E+01
315	1.42	1.4E-06	2.2E+00	7.2E-03	1.0E-03	1.6E-05	1.6E-01	5.5E-01	1.4E-06	1.2E+01
316	1.49	1.5E-06	2.3E+00	7.2E-03	1.0E-03	1.7E-05	1.6E-01	5.5E-01	1.5E-06	1.0E+01
317	1.57	1.6E-06	2.4E+00	7.2E-03	1.0E-03	1.8E-05	1.6E-01	5.5E-01	1.6E-06	9.4E+00
318	1.62	1.6E-06	2.5E+00	7.2E-03	1.0E-03	1.9E-05	1.6E-01	5.5E-01	1.6E-06	8.4E+00
319	1.66	1.7E-06	2.6E+00	7.2E-03	1.0E-03	1.9E-05	1.6E-01	5.5E-01	1.7E-06	7.6E+00
320	1.71	1.7E-06	2.6E+00	7.2E-03	1.0E-03	2.0E-05	1.6E-01	5.5E-01	1.7E-06	6.9E+00
321	1.75	1.8E-06	2.7E+00	7.2E-03	1.0E-03	2.0E-05	1.6E-01	5.5E-01	1.7E-06	6.2E+00
322	1.80	1.8E-06	2.8E+00	7.2E-03	1.0E-03	2.1E-05	1.6E-01	5.5E-01	1.8E-06	5.7E+00
323	1.83	1.8E-06	2.8E+00	7.2E-03	1.0E-03	2.1E-05	1.6E-01	5.5E-01	1.8E-06	5.2E+00
324	1.86	1.9E-06	2.9E+00	7.2E-03	1.0E-03	2.2E-05	1.6E-01	5.5E-01	1.9E-06	4.8E+00
325	0.77	7.7E-07	1.2E+00	7.2E-03	1.0E-03	8.8E-06	1.6E-01	5.5E-01	7.6E-07	1.8E+01
326	0.81	8.1E-07	1.2E+00	7.2E-03	1.0E-03	9.2E-06	1.6E-01	5.5E-01	7.9E-07	2.3E+01
327	0.86	8.6E-07	1.3E+00	7.2E-03	1.0E-03	9.7E-06	1.6E-01	5.5E-01	8.3E-07	2.9E+01
328	0.91	9.1E-07	1.4E+00	7.2E-03	1.0E-03	1.0E-05	1.6E-01	5.5E-01	8.8E-07	3.8E+01
329	0.94	9.4E-07	1.4E+00	7.2E-03	1.0E-03	1.1E-05	1.6E-01	5.5E-01	9.2E-07	4.8E+01
330	0.99	9.9E-07	1.5E+00	7.2E-03	1.0E-03	1.1E-05	1.6E-01	5.5E-01	9.7E-07	5.4E+01
331	1.04	1.0E-06	1.6E+00	7.2E-03	1.0E-03	1.2E-05	1.6E-01	5.5E-01	1.0E-06	5.3E+01
332	1.06	1.1E-06	1.6E+00	7.2E-03	1.0E-03	1.2E-05	1.6E-01	5.5E-01	1.1E-06	4.7E+01
333	1.11	1.1E-06	1.7E+00	7.2E-03	1.0E-03	1.3E-05	1.6E-01	5.5E-01	1.1E-06	4.0E+01
334	1.19	1.2E-06	1.8E+00	7.2E-03	1.0E-03	1.3E-05	1.6E-01	5.5E-01	1.2E-06	3.4E+01
335	1.24	1.2E-06	1.9E+00	7.2E-03	1.0E-03	1.4E-05	1.6E-01	5.5E-01	1.2E-06	2.9E+01
336	1.28	1.3E-06	2.0E+00	7.2E-03	1.0E-03	1.5E-05	1.6E-01	5.5E-01	1.3E-06	2.4E+01
337	1.36	1.4E-06	2.0E+00	7.2E-03	1.0E-03	1.5E-05	1.6E-01	5.5E-01	1.3E-06	2.1E+01

338	1.40	1.4E-06	2.1E+00	7.2E-03	1.0E-03	1.6E-05	1.6E-01	5.5E-01	1.4E-06	1.8E+01
339	1.47	1.5E-06	2.2E+00	7.2E-03	1.0E-03	1.7E-05	1.6E-01	5.5E-01	1.4E-06	1.6E+01
340	1.52	1.5E-06	2.3E+00	7.2E-03	1.0E-03	1.7E-05	1.6E-01	5.5E-01	1.5E-06	1.4E+01
341	1.59	1.6E-06	2.4E+00	7.2E-03	1.0E-03	1.8E-05	1.6E-01	5.5E-01	1.6E-06	1.2E+01
342	1.67	1.7E-06	2.6E+00	7.2E-03	1.0E-03	1.9E-05	1.6E-01	5.5E-01	1.7E-06	1.1E+01
343	1.75	1.8E-06	2.7E+00	7.2E-03	1.0E-03	2.0E-05	1.6E-01	5.5E-01	1.7E-06	9.7E+00
344	1.81	1.8E-06	2.8E+00	7.2E-03	1.0E-03	2.1E-05	1.6E-01	5.5E-01	1.8E-06	8.7E+00
345	1.87	1.9E-06	2.9E+00	7.2E-03	1.0E-03	2.2E-05	1.6E-01	5.5E-01	1.9E-06	7.8E+00
346	1.92	1.9E-06	3.0E+00	7.2E-03	1.0E-03	2.2E-05	1.6E-01	5.5E-01	1.9E-06	7.0E+00
347	1.97	2.0E-06	3.0E+00	7.2E-03	1.0E-03	2.3E-05	1.6E-01	5.5E-01	2.0E-06	6.3E+00
348	2.01	2.0E-06	3.1E+00	7.2E-03	1.0E-03	2.3E-05	1.6E-01	5.5E-01	2.0E-06	5.7E+00
349	2.05	2.0E-06	3.2E+00	7.2E-03	1.0E-03	2.4E-05	1.6E-01	5.5E-01	2.0E-06	5.2E+00
350	2.07	2.1E-06	3.2E+00	7.2E-03	1.0E-03	2.4E-05	1.6E-01	5.5E-01	2.1E-06	4.8E+00
351	0.82	8.2E-07	1.2E+00	7.2E-03	1.0E-03	9.4E-06	1.6E-01	5.5E-01	8.1E-07	2.1E+01
352	0.87	8.7E-07	1.3E+00	7.2E-03	1.0E-03	9.9E-06	1.6E-01	5.5E-01	8.5E-07	2.9E+01
353	0.93	9.3E-07	1.4E+00	7.2E-03	1.0E-03	1.0E-05	1.6E-01	5.5E-01	9.0E-07	4.0E+01
354	0.96	9.6E-07	1.5E+00	7.2E-03	1.0E-03	1.1E-05	1.6E-01	5.5E-01	9.5E-07	5.7E+01
355	1.01	1.0E-06	1.5E+00	7.2E-03	1.0E-03	1.2E-05	1.6E-01	5.5E-01	1.0E-06	2.2E+01
356	1.07	1.1E-06	1.6E+00	7.2E-03	1.0E-03	1.2E-05	1.6E-01	5.5E-01	1.1E-06	2.5E+01
357	1.11	1.1E-06	1.7E+00	7.2E-03	1.0E-03	1.3E-05	1.6E-01	5.5E-01	1.1E-06	2.6E+01
358	1.17	1.2E-06	1.8E+00	7.2E-03	1.0E-03	1.3E-05	1.6E-01	5.5E-01	1.2E-06	6.8E+01
359	1.22	1.2E-06	1.9E+00	7.2E-03	1.0E-03	1.4E-05	1.6E-01	5.5E-01	1.2E-06	5.2E+01
360	1.31	1.3E-06	2.0E+00	7.2E-03	1.0E-03	1.5E-05	1.6E-01	5.5E-01	1.3E-06	4.1E+01
361	1.37	1.4E-06	2.1E+00	7.2E-03	1.0E-03	1.6E-05	1.6E-01	5.5E-01	1.3E-06	3.3E+01
362	1.42	1.4E-06	2.2E+00	7.2E-03	1.0E-03	1.6E-05	1.6E-01	5.5E-01	1.4E-06	2.8E+01
363	1.51	1.5E-06	2.3E+00	7.2E-03	1.0E-03	1.7E-05	1.6E-01	5.5E-01	1.5E-06	2.3E+01
364	1.57	1.6E-06	2.4E+00	7.2E-03	1.0E-03	1.8E-05	1.6E-01	5.5E-01	1.5E-06	2.0E+01
365	1.64	1.6E-06	2.5E+00	7.2E-03	1.0E-03	1.9E-05	1.6E-01	5.5E-01	1.6E-06	1.7E+01
366	1.71	1.7E-06	2.6E+00	7.2E-03	1.0E-03	2.0E-05	1.6E-01	5.5E-01	1.7E-06	1.5E+01
367	1.79	1.8E-06	2.7E+00	7.2E-03	1.0E-03	2.1E-05	1.6E-01	5.5E-01	1.8E-06	1.3E+01
368	1.89	1.9E-06	2.9E+00	7.2E-03	1.0E-03	2.2E-05	1.6E-01	5.5E-01	1.9E-06	1.1E+01
369	1.98	2.0E-06	3.0E+00	7.2E-03	1.0E-03	2.3E-05	1.6E-01	5.5E-01	2.0E-06	9.9E+00
370	2.04	2.0E-06	3.1E+00	7.2E-03	1.0E-03	2.4E-05	1.6E-01	5.5E-01	2.0E-06	8.8E+00
371	2.11	2.1E-06	3.2E+00	7.2E-03	1.0E-03	2.4E-05	1.6E-01	5.5E-01	2.1E-06	7.8E+00
372	2.17	2.2E-06	3.3E+00	7.2E-03	1.0E-03	2.5E-05	1.6E-01	5.5E-01	2.2E-06	7.0E+00
373	2.22	2.2E-06	3.4E+00	7.2E-03	1.0E-03	2.6E-05	1.6E-01	5.5E-01	2.2E-06	6.3E+00
374	2.27	2.3E-06	3.5E+00	7.2E-03	1.0E-03	2.6E-05	1.6E-01	5.5E-01	2.3E-06	5.7E+00
375	2.30	2.3E-06	3.6E+00	7.2E-03	1.0E-03	2.7E-05	1.6E-01	5.5E-01	2.3E-06	5.2E+00
376	2.32	2.3E-06	3.6E+00	7.2E-03	1.0E-03	2.7E-05	1.6E-01	5.5E-01	2.3E-06	4.7E+00
377	0.87	8.7E-07	1.3E+00	7.2E-03	1.0E-03	1.0E-05	1.6E-01	5.5E-01	8.6E-07	2.5E+01
378	0.93	9.3E-07	1.4E+00	7.2E-03	1.0E-03	1.1E-05	1.6E-01	5.5E-01	9.1E-07	3.6E+01
379	0.99	9.9E-07	1.5E+00	7.2E-03	1.0E-03	1.1E-05	1.6E-01	5.5E-01	9.6E-07	5.3E+01
380	1.03	1.0E-06	1.6E+00	7.2E-03	1.0E-03	1.2E-05	1.6E-01	5.5E-01	1.0E-06	2.8E+01
381	1.10	1.1E-06	1.7E+00	7.2E-03	1.0E-03	1.3E-05	1.6E-01	5.5E-01	1.1E-06	3.4E+01
382	2.03	2.0E-06	3.1E+00	7.2E-03	1.0E-03	2.3E-05	1.6E-01	5.5E-01	2.0E-06	1.3E+01
383	2.14	2.1E-06	3.3E+00	7.2E-03	1.0E-03	2.5E-05	1.6E-01	5.5E-01	2.1E-06	1.1E+01
384	2.24	2.2E-06	3.5E+00	7.2E-03	1.0E-03	2.6E-05	1.6E-01	5.5E-01	2.2E-06	1.0E+01
385	2.32	2.3E-06	3.6E+00	7.2E-03	1.0E-03	2.7E-05	1.6E-01	5.5E-01	2.3E-06	8.8E+00
386	2.40	2.4E-06	3.7E+00	7.2E-03	1.0E-03	2.8E-05	1.6E-01	5.5E-01	2.4E-06	7.8E+00

387	2.46	2.5E-06	3.8E+00	7.2E-03	1.0E-03	2.9E-05	1.6E-01	5.5E-01	2.5E-06	7.0E+00
388	2.52	2.5E-06	3.9E+00	7.2E-03	1.0E-03	2.9E-05	1.6E-01	5.5E-01	2.5E-06	6.3E+00
389	2.56	2.6E-06	4.0E+00	7.2E-03	1.0E-03	3.0E-05	1.6E-01	5.5E-01	2.6E-06	5.6E+00
390	2.59	2.6E-06	4.0E+00	7.2E-03	1.0E-03	3.0E-05	1.6E-01	5.5E-01	2.6E-06	5.1E+00
391	2.61	2.6E-06	4.0E+00	7.2E-03	1.0E-03	3.0E-05	1.6E-01	5.5E-01	2.6E-06	4.6E+00
392	0.93	9.3E-07	1.4E+00	7.2E-03	1.0E-03	1.1E-05	1.6E-01	5.5E-01	9.2E-07	2.9E+01
393	0.99	9.9E-07	1.5E+00	7.2E-03	1.0E-03	1.1E-05	1.6E-01	5.5E-01	9.8E-07	4.2E+01
394	1.06	1.1E-06	1.6E+00	7.2E-03	1.0E-03	1.2E-05	1.6E-01	5.5E-01	1.0E-06	6.4E+01
395	1.11	1.1E-06	1.7E+00	7.2E-03	1.0E-03	1.3E-05	1.6E-01	5.5E-01	1.1E-06	4.2E+01
396	1.19	1.2E-06	1.8E+00	7.2E-03	1.0E-03	1.4E-05	1.6E-01	5.5E-01	1.2E-06	5.7E+01
397	2.31	2.3E-06	3.6E+00	7.2E-03	1.0E-03	2.7E-05	1.6E-01	5.5E-01	2.3E-06	1.3E+01
398	2.45	2.4E-06	3.8E+00	7.2E-03	1.0E-03	2.8E-05	1.6E-01	5.5E-01	2.4E-06	1.1E+01
399	2.57	2.6E-06	4.0E+00	7.2E-03	1.0E-03	3.0E-05	1.6E-01	5.5E-01	2.6E-06	1.0E+01
400	2.66	2.7E-06	4.1E+00	7.2E-03	1.0E-03	3.1E-05	1.6E-01	5.5E-01	2.7E-06	8.8E+00
401	2.74	2.7E-06	4.2E+00	7.2E-03	1.0E-03	3.2E-05	1.6E-01	5.5E-01	2.7E-06	7.7E+00
402	2.81	2.8E-06	4.3E+00	7.2E-03	1.0E-03	3.3E-05	1.6E-01	5.5E-01	2.8E-06	6.9E+00
403	2.87	2.9E-06	4.4E+00	7.2E-03	1.0E-03	3.3E-05	1.6E-01	5.5E-01	2.9E-06	6.1E+00
404	2.91	2.9E-06	4.5E+00	7.2E-03	1.0E-03	3.4E-05	1.6E-01	5.5E-01	2.9E-06	5.5E+00
405	2.93	2.9E-06	4.5E+00	7.2E-03	1.0E-03	3.4E-05	1.6E-01	5.5E-01	2.9E-06	5.0E+00
406	2.93	2.9E-06	4.5E+00	7.2E-03	1.0E-03	3.4E-05	1.6E-01	5.5E-01	2.9E-06	4.5E+00
407	0.99	9.9E-07	1.5E+00	7.2E-03	1.0E-03	1.1E-05	1.6E-01	5.5E-01	9.8E-07	3.1E+01
408	1.05	1.1E-06	1.6E+00	7.2E-03	1.0E-03	1.2E-05	1.6E-01	5.5E-01	1.0E-06	4.5E+01
409	1.13	1.1E-06	1.7E+00	7.2E-03	1.0E-03	1.3E-05	1.6E-01	5.5E-01	1.1E-06	7.1E+01
410	1.22	1.2E-06	1.8E+00	7.2E-03	1.0E-03	1.4E-05	1.6E-01	5.5E-01	1.2E-06	1.7E+01
411	1.28	1.3E-06	2.0E+00	7.2E-03	1.0E-03	1.5E-05	1.6E-01	5.5E-01	1.3E-06	2.0E+01
412	2.65	2.7E-06	4.1E+00	7.2E-03	1.0E-03	3.1E-05	1.6E-01	5.5E-01	2.6E-06	1.3E+01
413	2.81	2.8E-06	4.3E+00	7.2E-03	1.0E-03	3.3E-05	1.6E-01	5.5E-01	2.8E-06	1.1E+01
414	2.96	3.0E-06	4.6E+00	7.2E-03	1.0E-03	3.4E-05	1.6E-01	5.5E-01	3.0E-06	9.8E+00
415	3.07	3.1E-06	4.7E+00	7.2E-03	1.0E-03	3.6E-05	1.6E-01	5.5E-01	3.1E-06	8.6E+00
416	3.16	3.2E-06	4.9E+00	7.2E-03	1.0E-03	3.7E-05	1.6E-01	5.5E-01	3.2E-06	7.6E+00
417	3.24	3.2E-06	5.0E+00	7.2E-03	1.0E-03	3.8E-05	1.6E-01	5.5E-01	3.2E-06	6.7E+00
418	3.29	3.3E-06	5.1E+00	7.2E-03	1.0E-03	3.8E-05	1.6E-01	5.5E-01	3.3E-06	6.0E+00
419	3.31	3.3E-06	5.1E+00	7.2E-03	1.0E-03	3.8E-05	1.6E-01	5.5E-01	3.3E-06	5.4E+00
420	3.32	3.3E-06	5.1E+00	7.2E-03	1.0E-03	3.9E-05	1.6E-01	5.5E-01	3.3E-06	4.9E+00
421	3.31	3.3E-06	5.1E+00	7.2E-03	1.0E-03	3.8E-05	1.6E-01	5.5E-01	3.3E-06	4.4E+00
422	1.05	1.1E-06	1.6E+00	7.2E-03	1.0E-03	1.2E-05	1.6E-01	5.5E-01	1.0E-06	3.2E+01
423	1.13	1.1E-06	1.7E+00	7.2E-03	1.0E-03	1.3E-05	1.6E-01	5.5E-01	1.1E-06	4.7E+01
424	1.21	1.2E-06	1.8E+00	7.2E-03	1.0E-03	1.4E-05	1.6E-01	5.5E-01	1.2E-06	7.5E+01
425	1.30	1.3E-06	2.0E+00	7.2E-03	1.0E-03	1.5E-05	1.6E-01	5.5E-01	1.3E-06	6.2E+01
426	1.41	1.4E-06	2.1E+00	7.2E-03	1.0E-03	1.6E-05	1.6E-01	5.5E-01	1.4E-06	3.4E+01
427	3.12	3.1E-06	4.8E+00	7.2E-03	1.0E-03	3.6E-05	1.6E-01	5.5E-01	3.1E-06	1.3E+01
428	3.28	3.3E-06	5.1E+00	7.2E-03	1.0E-03	3.8E-05	1.6E-01	5.5E-01	3.3E-06	1.1E+01
429	3.45	3.4E-06	5.3E+00	7.2E-03	1.0E-03	4.0E-05	1.6E-01	5.5E-01	3.4E-06	9.5E+00
430	3.57	3.6E-06	5.5E+00	7.2E-03	1.0E-03	4.1E-05	1.6E-01	5.5E-01	3.6E-06	8.3E+00
431	3.68	3.7E-06	5.7E+00	7.2E-03	1.0E-03	4.3E-05	1.6E-01	5.5E-01	3.7E-06	7.3E+00
432	3.75	3.8E-06	5.8E+00	7.2E-03	1.0E-03	4.4E-05	1.6E-01	5.5E-01	3.7E-06	6.5E+00
433	3.80	3.8E-06	5.9E+00	7.2E-03	1.0E-03	4.4E-05	1.6E-01	5.5E-01	3.8E-06	5.8E+00
434	3.80	3.8E-06	5.9E+00	7.2E-03	1.0E-03	4.4E-05	1.6E-01	5.5E-01	3.8E-06	5.2E+00
435	3.78	3.8E-06	5.8E+00	7.2E-03	1.0E-03	4.4E-05	1.6E-01	5.5E-01	3.8E-06	4.7E+00

436	3.73	3.7E-06	5.8E+00	7.2E-03	1.0E-03	4.3E-05	1.6E-01	5.5E-01	3.7E-06	4.3E+00
437	1.12	1.1E-06	1.7E+00	7.2E-03	1.0E-03	1.3E-05	1.6E-01	5.5E-01	1.1E-06	3.2E+01
438	1.21	1.2E-06	1.8E+00	7.2E-03	1.0E-03	1.4E-05	1.6E-01	5.5E-01	1.2E-06	4.7E+01
439	1.30	1.3E-06	2.0E+00	7.2E-03	1.0E-03	1.5E-05	1.6E-01	5.5E-01	1.3E-06	7.4E+01
440	1.40	1.4E-06	2.1E+00	7.2E-03	1.0E-03	1.6E-05	1.6E-01	5.5E-01	1.4E-06	6.2E+01
441	1.53	1.5E-06	2.3E+00	7.2E-03	1.0E-03	1.7E-05	1.6E-01	5.5E-01	1.5E-06	3.0E+01
442	3.70	3.7E-06	5.7E+00	7.2E-03	1.0E-03	4.3E-05	1.6E-01	5.5E-01	3.7E-06	1.2E+01
443	3.87	3.9E-06	6.0E+00	7.2E-03	1.0E-03	4.5E-05	1.6E-01	5.5E-01	3.9E-06	1.1E+01
444	4.06	4.1E-06	6.3E+00	7.2E-03	1.0E-03	4.7E-05	1.6E-01	5.5E-01	4.1E-06	9.1E+00
445	4.20	4.2E-06	6.5E+00	7.2E-03	1.0E-03	4.9E-05	1.6E-01	5.5E-01	4.2E-06	8.0E+00
446	4.31	4.3E-06	6.7E+00	7.2E-03	1.0E-03	5.0E-05	1.6E-01	5.5E-01	4.3E-06	7.0E+00
447	4.37	4.4E-06	6.8E+00	7.2E-03	1.0E-03	5.1E-05	1.6E-01	5.5E-01	4.4E-06	6.2E+00
448	4.40	4.4E-06	6.8E+00	7.2E-03	1.0E-03	5.1E-05	1.6E-01	5.5E-01	4.4E-06	5.6E+00
449	4.37	4.4E-06	6.8E+00	7.2E-03	1.0E-03	5.1E-05	1.6E-01	5.5E-01	4.4E-06	5.0E+00
450	4.31	4.3E-06	6.7E+00	7.2E-03	1.0E-03	5.0E-05	1.6E-01	5.5E-01	4.3E-06	4.5E+00
451	4.22	4.2E-06	6.5E+00	7.2E-03	1.0E-03	4.9E-05	1.6E-01	5.5E-01	4.2E-06	4.1E+00
452	1.19	1.2E-06	1.8E+00	7.2E-03	1.0E-03	1.4E-05	1.6E-01	5.5E-01	1.2E-06	3.0E+01
453	1.29	1.3E-06	2.0E+00	7.2E-03	1.0E-03	1.5E-05	1.6E-01	5.5E-01	1.3E-06	4.5E+01
454	1.40	1.4E-06	2.2E+00	7.2E-03	1.0E-03	1.6E-05	1.6E-01	5.5E-01	1.4E-06	7.0E+01
455	1.52	1.5E-06	2.3E+00	7.2E-03	1.0E-03	1.8E-05	1.6E-01	5.5E-01	1.5E-06	1.5E+01
456	1.66	1.7E-06	2.5E+00	7.2E-03	1.0E-03	1.9E-05	1.6E-01	5.5E-01	1.6E-06	1.8E+01
457	4.42	4.4E-06	6.8E+00	7.2E-03	1.0E-03	5.1E-05	1.6E-01	5.5E-01	4.4E-06	1.2E+01
458	4.64	4.6E-06	7.2E+00	7.2E-03	1.0E-03	5.4E-05	1.6E-01	5.5E-01	4.6E-06	1.0E+01
459	4.84	4.8E-06	7.5E+00	7.2E-03	1.0E-03	5.6E-05	1.6E-01	5.5E-01	4.8E-06	8.7E+00
460	4.99	5.0E-06	7.7E+00	7.2E-03	1.0E-03	5.8E-05	1.6E-01	5.5E-01	5.0E-06	7.6E+00
461	5.09	5.1E-06	7.9E+00	7.2E-03	1.0E-03	5.9E-05	1.6E-01	5.5E-01	5.1E-06	6.7E+00
462	5.13	5.1E-06	7.9E+00	7.2E-03	1.0E-03	6.0E-05	1.6E-01	5.5E-01	5.1E-06	6.0E+00
463	5.12	5.1E-06	7.9E+00	7.2E-03	1.0E-03	5.9E-05	1.6E-01	5.5E-01	5.1E-06	5.3E+00
464	5.05	5.1E-06	7.8E+00	7.2E-03	1.0E-03	5.9E-05	1.6E-01	5.5E-01	5.1E-06	4.8E+00
465	4.92	4.9E-06	7.6E+00	7.2E-03	1.0E-03	5.7E-05	1.6E-01	5.5E-01	4.9E-06	4.3E+00
466	4.77	4.8E-06	7.4E+00	7.2E-03	1.0E-03	5.5E-05	1.6E-01	5.5E-01	4.8E-06	3.9E+00
467	1.27	1.3E-06	1.9E+00	7.2E-03	1.0E-03	1.5E-05	1.6E-01	5.5E-01	1.3E-06	2.8E+01
468	1.38	1.4E-06	2.1E+00	7.2E-03	1.0E-03	1.6E-05	1.6E-01	5.5E-01	1.4E-06	4.0E+01
469	1.51	1.5E-06	2.3E+00	7.2E-03	1.0E-03	1.7E-05	1.6E-01	5.5E-01	1.5E-06	6.1E+01
470	1.65	1.6E-06	2.5E+00	7.2E-03	1.0E-03	1.9E-05	1.6E-01	5.5E-01	1.6E-06	3.9E+01
471	1.82	1.8E-06	2.8E+00	7.2E-03	1.0E-03	2.1E-05	1.6E-01	5.5E-01	1.8E-06	5.0E+01
472	5.32	5.3E-06	8.2E+00	7.2E-03	1.0E-03	6.2E-05	1.6E-01	5.5E-01	5.3E-06	1.1E+01
473	5.60	5.6E-06	8.6E+00	7.2E-03	1.0E-03	6.5E-05	1.6E-01	5.5E-01	5.6E-06	9.3E+00
474	5.82	5.8E-06	9.0E+00	7.2E-03	1.0E-03	6.8E-05	1.6E-01	5.5E-01	5.8E-06	8.2E+00
475	5.98	6.0E-06	9.2E+00	7.2E-03	1.0E-03	6.9E-05	1.6E-01	5.5E-01	6.0E-06	7.2E+00
476	6.06	6.1E-06	9.4E+00	7.2E-03	1.0E-03	7.0E-05	1.6E-01	5.5E-01	6.1E-06	6.3E+00
477	6.06	6.1E-06	9.4E+00	7.2E-03	1.0E-03	7.0E-05	1.6E-01	5.5E-01	6.1E-06	5.7E+00
478	5.99	6.0E-06	9.3E+00	7.2E-03	1.0E-03	6.9E-05	1.6E-01	5.5E-01	6.0E-06	5.1E+00
479	5.85	5.8E-06	9.0E+00	7.2E-03	1.0E-03	6.8E-05	1.6E-01	5.5E-01	5.8E-06	4.6E+00
480	5.65	5.6E-06	8.7E+00	7.2E-03	1.0E-03	6.6E-05	1.6E-01	5.5E-01	5.6E-06	4.1E+00
481	5.39	5.4E-06	8.3E+00	7.2E-03	1.0E-03	6.3E-05	1.6E-01	5.5E-01	5.4E-06	3.7E+00
482	1.34	1.3E-06	2.1E+00	7.2E-03	1.0E-03	1.6E-05	1.6E-01	5.5E-01	1.3E-06	2.4E+01
483	1.47	1.5E-06	2.3E+00	7.2E-03	1.0E-03	1.7E-05	1.6E-01	5.5E-01	1.5E-06	3.4E+01
484	1.62	1.6E-06	2.5E+00	7.2E-03	1.0E-03	1.9E-05	1.6E-01	5.5E-01	1.6E-06	5.0E+01

485	1.79	1.8E-06	2.8E+00	7.2E-03	1.0E-03	2.1E-05	1.6E-01	5.5E-01	1.8E-06	2.6E+01
486	2.00	2.0E-06	3.1E+00	7.2E-03	1.0E-03	2.3E-05	1.6E-01	5.5E-01	2.0E-06	3.1E+01
487	6.52	6.5E-06	1.0E+01	7.2E-03	1.0E-03	7.6E-05	1.6E-01	5.5E-01	6.5E-06	9.9E+00
488	6.85	6.9E-06	1.1E+01	7.2E-03	1.0E-03	8.0E-05	1.6E-01	5.5E-01	6.8E-06	8.7E+00
489	7.10	7.1E-06	1.1E+01	7.2E-03	1.0E-03	8.2E-05	1.6E-01	5.5E-01	7.1E-06	7.6E+00
490	7.24	7.2E-06	1.1E+01	7.2E-03	1.0E-03	8.4E-05	1.6E-01	5.5E-01	7.2E-06	6.7E+00
491	7.27	7.3E-06	1.1E+01	7.2E-03	1.0E-03	8.4E-05	1.6E-01	5.5E-01	7.3E-06	6.0E+00
492	7.20	7.2E-06	1.1E+01	7.2E-03	1.0E-03	8.4E-05	1.6E-01	5.5E-01	7.2E-06	5.3E+00
493	7.00	7.0E-06	1.1E+01	7.2E-03	1.0E-03	8.1E-05	1.6E-01	5.5E-01	7.0E-06	4.8E+00
494	6.76	6.8E-06	1.0E+01	7.2E-03	1.0E-03	7.8E-05	1.6E-01	5.5E-01	6.8E-06	4.3E+00
495	6.45	6.4E-06	1.0E+01	7.2E-03	1.0E-03	7.5E-05	1.6E-01	5.5E-01	6.4E-06	3.9E+00
496	6.08	6.1E-06	9.4E+00	7.2E-03	1.0E-03	7.1E-05	1.6E-01	5.5E-01	6.1E-06	3.6E+00
497	1.43	1.4E-06	2.2E+00	7.2E-03	1.0E-03	1.7E-05	1.6E-01	5.5E-01	1.4E-06	2.0E+01
498	1.58	1.6E-06	2.4E+00	7.2E-03	1.0E-03	1.8E-05	1.6E-01	5.5E-01	1.6E-06	2.7E+01
499	1.75	1.8E-06	2.7E+00	7.2E-03	1.0E-03	2.0E-05	1.6E-01	5.5E-01	1.7E-06	3.8E+01
500	1.96	2.0E-06	3.0E+00	7.2E-03	1.0E-03	2.3E-05	1.6E-01	5.5E-01	1.9E-06	5.3E+01
501	2.20	2.2E-06	3.4E+00	7.2E-03	1.0E-03	2.5E-05	1.6E-01	5.5E-01	2.2E-06	2.0E+01
502	8.14	8.1E-06	1.3E+01	7.2E-03	1.0E-03	9.4E-05	1.6E-01	5.5E-01	8.1E-06	9.1E+00
503	8.52	8.5E-06	1.3E+01	7.2E-03	1.0E-03	9.9E-05	1.6E-01	5.5E-01	8.5E-06	8.0E+00
504	8.77	8.8E-06	1.4E+01	7.2E-03	1.0E-03	1.0E-04	1.6E-01	5.5E-01	8.8E-06	7.1E+00
505	8.86	8.9E-06	1.4E+01	7.2E-03	1.0E-03	1.0E-04	1.6E-01	5.5E-01	8.9E-06	6.3E+00
506	8.78	8.8E-06	1.4E+01	7.2E-03	1.0E-03	1.0E-04	1.6E-01	5.5E-01	8.8E-06	5.6E+00
507	8.56	8.6E-06	1.3E+01	7.2E-03	1.0E-03	9.9E-05	1.6E-01	5.5E-01	8.6E-06	5.0E+00
508	8.22	8.2E-06	1.3E+01	7.2E-03	1.0E-03	9.5E-05	1.6E-01	5.5E-01	8.2E-06	4.5E+00
509	7.80	7.8E-06	1.2E+01	7.2E-03	1.0E-03	9.1E-05	1.6E-01	5.5E-01	7.8E-06	4.1E+00
510	7.33	7.3E-06	1.1E+01	7.2E-03	1.0E-03	8.5E-05	1.6E-01	5.5E-01	7.3E-06	3.7E+00
511	6.82	6.8E-06	1.1E+01	7.2E-03	1.0E-03	7.9E-05	1.6E-01	5.5E-01	6.8E-06	3.4E+00
512	1.51	1.5E-06	2.3E+00	7.2E-03	1.0E-03	1.7E-05	1.6E-01	5.5E-01	1.5E-06	1.7E+01
513	1.68	1.7E-06	2.6E+00	7.2E-03	1.0E-03	1.9E-05	1.6E-01	5.5E-01	1.7E-06	2.2E+01
514	1.87	1.9E-06	2.9E+00	7.2E-03	1.0E-03	2.2E-05	1.6E-01	5.5E-01	1.9E-06	2.8E+01
515	2.12	2.1E-06	3.3E+00	7.2E-03	1.0E-03	2.5E-05	1.6E-01	5.5E-01	2.1E-06	3.6E+01
516	2.41	2.4E-06	3.7E+00	7.2E-03	1.0E-03	2.8E-05	1.6E-01	5.5E-01	2.4E-06	4.3E+01
517	10.40	1.0E-05	1.6E+01	7.2E-03	1.0E-03	1.2E-04	1.6E-01	5.5E-01	1.0E-05	8.3E+00
518	10.84	1.1E-05	1.7E+01	7.2E-03	1.0E-03	1.3E-04	1.6E-01	5.5E-01	1.1E-05	7.4E+00
519	11.02	1.1E-05	1.7E+01	7.2E-03	1.0E-03	1.3E-04	1.6E-01	5.5E-01	1.1E-05	6.5E+00
520	10.96	1.1E-05	1.7E+01	7.2E-03	1.0E-03	1.3E-04	1.6E-01	5.5E-01	1.1E-05	5.8E+00
521	10.68	1.1E-05	1.7E+01	7.2E-03	1.0E-03	1.2E-04	1.6E-01	5.5E-01	1.1E-05	5.2E+00
522	10.23	1.0E-05	1.6E+01	7.2E-03	1.0E-03	1.2E-04	1.6E-01	5.5E-01	1.0E-05	4.7E+00
523	9.64	9.6E-06	1.5E+01	7.2E-03	1.0E-03	1.1E-04	1.6E-01	5.5E-01	9.6E-06	4.3E+00
524	8.97	9.0E-06	1.4E+01	7.2E-03	1.0E-03	1.0E-04	1.6E-01	5.5E-01	9.0E-06	3.9E+00
525	8.27	8.3E-06	1.3E+01	7.2E-03	1.0E-03	9.6E-05	1.6E-01	5.5E-01	8.3E-06	3.5E+00
526	7.55	7.6E-06	1.2E+01	7.2E-03	1.0E-03	8.8E-05	1.6E-01	5.5E-01	7.5E-06	3.2E+00
527	1.59	1.6E-06	2.5E+00	7.2E-03	1.0E-03	1.8E-05	1.6E-01	5.5E-01	1.6E-06	1.4E+01
528	1.78	1.8E-06	2.8E+00	7.2E-03	1.0E-03	2.1E-05	1.6E-01	5.5E-01	1.8E-06	1.7E+01
529	2.01	2.0E-06	3.1E+00	7.2E-03	1.0E-03	2.3E-05	1.6E-01	5.5E-01	2.0E-06	2.1E+01
530	2.30	2.3E-06	3.5E+00	7.2E-03	1.0E-03	2.7E-05	1.6E-01	5.5E-01	2.3E-06	2.5E+01
531	2.65	2.6E-06	4.1E+00	7.2E-03	1.0E-03	3.1E-05	1.6E-01	5.5E-01	2.6E-06	2.8E+01
532	13.61	1.4E-05	2.1E+01	7.2E-03	1.0E-03	1.6E-04	1.6E-01	5.5E-01	1.4E-05	7.6E+00
533	14.01	1.4E-05	2.2E+01	7.2E-03	1.0E-03	1.6E-04	1.6E-01	5.5E-01	1.4E-05	6.8E+00

534	13.94	1.4E-05	2.2E+01	7.2E-03	1.0E-03	1.6E-04	1.6E-01	5.5E-01	1.4E-05	6.0E+00
535	13.49	1.3E-05	2.1E+01	7.2E-03	1.0E-03	1.6E-04	1.6E-01	5.5E-01	1.3E-05	5.4E+00
536	12.83	1.3E-05	2.0E+01	7.2E-03	1.0E-03	1.5E-04	1.6E-01	5.5E-01	1.3E-05	4.9E+00
537	12.03	1.2E-05	1.9E+01	7.2E-03	1.0E-03	1.4E-04	1.6E-01	5.5E-01	1.2E-05	4.4E+00
538	11.11	1.1E-05	1.7E+01	7.2E-03	1.0E-03	1.3E-04	1.6E-01	5.5E-01	1.1E-05	4.0E+00
539	10.17	1.0E-05	1.6E+01	7.2E-03	1.0E-03	1.2E-04	1.6E-01	5.5E-01	1.0E-05	3.7E+00
540	9.18	9.2E-06	1.4E+01	7.2E-03	1.0E-03	1.1E-04	1.6E-01	5.5E-01	9.2E-06	3.3E+00
541	8.22	8.2E-06	1.3E+01	7.2E-03	1.0E-03	9.5E-05	1.6E-01	5.5E-01	8.2E-06	3.0E+00
542	1.67	1.7E-06	2.6E+00	7.2E-03	1.0E-03	1.9E-05	1.6E-01	5.5E-01	1.7E-06	1.2E+01
543	1.89	1.9E-06	2.9E+00	7.2E-03	1.0E-03	2.2E-05	1.6E-01	5.5E-01	1.9E-06	1.4E+01
544	2.16	2.2E-06	3.3E+00	7.2E-03	1.0E-03	2.5E-05	1.6E-01	5.5E-01	2.2E-06	1.6E+01
545	2.48	2.5E-06	3.8E+00	7.2E-03	1.0E-03	2.9E-05	1.6E-01	5.5E-01	2.5E-06	1.8E+01
546	2.89	2.9E-06	4.5E+00	7.2E-03	1.0E-03	3.4E-05	1.6E-01	5.5E-01	2.9E-06	2.0E+01
547	18.22	1.8E-05	2.8E+01	7.2E-03	1.0E-03	2.1E-04	1.6E-01	5.5E-01	1.8E-05	6.9E+00
548	18.36	1.8E-05	2.8E+01	7.2E-03	1.0E-03	2.1E-04	1.6E-01	5.5E-01	1.8E-05	6.2E+00
549	17.82	1.8E-05	2.8E+01	7.2E-03	1.0E-03	2.1E-04	1.6E-01	5.5E-01	1.8E-05	5.5E+00
550	16.76	1.7E-05	2.6E+01	7.2E-03	1.0E-03	1.9E-04	1.6E-01	5.5E-01	1.7E-05	5.0E+00
551	15.05	1.5E-05	2.3E+01	7.2E-03	1.0E-03	1.7E-04	1.6E-01	5.5E-01	1.5E-05	4.5E+00
552	13.58	1.4E-05	2.1E+01	7.2E-03	1.0E-03	1.6E-04	1.6E-01	5.5E-01	1.4E-05	4.0E+00
553	12.32	1.2E-05	1.9E+01	7.2E-03	1.0E-03	1.4E-04	1.6E-01	5.5E-01	1.2E-05	3.7E+00
554	11.04	1.1E-05	1.7E+01	7.2E-03	1.0E-03	1.3E-04	1.6E-01	5.5E-01	1.1E-05	3.4E+00
555	9.84	9.8E-06	1.5E+01	7.2E-03	1.0E-03	1.1E-04	1.6E-01	5.5E-01	9.8E-06	3.1E+00
556	8.68	8.7E-06	1.3E+01	7.2E-03	1.0E-03	1.0E-04	1.6E-01	5.5E-01	8.7E-06	2.9E+00
557	1.75	1.8E-06	2.7E+00	7.2E-03	1.0E-03	2.0E-05	1.6E-01	5.5E-01	1.7E-06	9.6E+00
558	1.99	2.0E-06	3.1E+00	7.2E-03	1.0E-03	2.3E-05	1.6E-01	5.5E-01	2.0E-06	1.1E+01
559	2.29	2.3E-06	3.5E+00	7.2E-03	1.0E-03	2.7E-05	1.6E-01	5.5E-01	2.3E-06	1.3E+01
560	2.67	2.7E-06	4.1E+00	7.2E-03	1.0E-03	3.1E-05	1.6E-01	5.5E-01	2.7E-06	1.4E+01
561	3.14	3.1E-06	4.8E+00	7.2E-03	1.0E-03	3.6E-05	1.6E-01	5.5E-01	3.1E-06	1.5E+01
562	24.95	2.5E-05	3.9E+01	7.2E-03	1.0E-03	2.9E-04	1.6E-01	5.5E-01	2.5E-05	5.7E+00
563	23.48	2.3E-05	3.6E+01	7.2E-03	1.0E-03	2.7E-04	1.6E-01	5.5E-01	2.3E-05	5.1E+00
564	20.89	2.1E-05	3.2E+01	7.2E-03	1.0E-03	2.4E-04	1.6E-01	5.5E-01	2.1E-05	4.6E+00
565	16.97	1.7E-05	2.6E+01	7.2E-03	1.0E-03	2.0E-04	1.6E-01	5.5E-01	1.7E-05	4.1E+00
566	14.80	1.5E-05	2.3E+01	7.2E-03	1.0E-03	1.7E-04	1.6E-01	5.5E-01	1.5E-05	3.7E+00
567	12.95	1.3E-05	2.0E+01	7.2E-03	1.0E-03	1.5E-04	1.6E-01	5.5E-01	1.3E-05	3.4E+00
568	11.36	1.1E-05	1.8E+01	7.2E-03	1.0E-03	1.3E-04	1.6E-01	5.5E-01	1.1E-05	3.1E+00
569	9.95	1.0E-05	1.5E+01	7.2E-03	1.0E-03	1.2E-04	1.6E-01	5.5E-01	1.0E-05	2.9E+00
570	8.84	8.8E-06	1.4E+01	7.2E-03	1.0E-03	1.0E-04	1.6E-01	5.5E-01	8.8E-06	2.7E+00
571	1.82	1.8E-06	2.8E+00	7.2E-03	1.0E-03	2.1E-05	1.6E-01	5.5E-01	1.8E-06	8.2E+00
572	2.09	2.1E-06	3.2E+00	7.2E-03	1.0E-03	2.4E-05	1.6E-01	5.5E-01	2.1E-06	9.3E+00
573	2.41	2.4E-06	3.7E+00	7.2E-03	1.0E-03	2.8E-05	1.6E-01	5.5E-01	2.4E-06	1.0E+01
574	2.85	2.8E-06	4.4E+00	7.2E-03	1.0E-03	3.3E-05	1.6E-01	5.5E-01	2.8E-06	1.1E+01
575	3.37	3.4E-06	5.2E+00	7.2E-03	1.0E-03	3.9E-05	1.6E-01	5.5E-01	3.4E-06	1.2E+01
576	31.55	3.2E-05	4.9E+01	7.2E-03	1.0E-03	3.7E-04	1.6E-01	5.5E-01	3.2E-05	4.8E+00
577	26.85	2.7E-05	4.2E+01	7.2E-03	1.0E-03	3.1E-04	1.6E-01	5.5E-01	2.7E-05	4.3E+00
578	21.66	2.2E-05	3.3E+01	7.2E-03	1.0E-03	2.5E-04	1.6E-01	5.5E-01	2.2E-05	3.9E+00
579	18.23	1.8E-05	2.8E+01	7.2E-03	1.0E-03	2.1E-04	1.6E-01	5.5E-01	1.8E-05	3.6E+00
580	15.23	1.5E-05	2.4E+01	7.2E-03	1.0E-03	1.8E-04	1.6E-01	5.5E-01	1.5E-05	3.3E+00
581	12.60	1.3E-05	1.9E+01	7.2E-03	1.0E-03	1.5E-04	1.6E-01	5.5E-01	1.3E-05	3.0E+00
582	10.60	1.1E-05	1.6E+01	7.2E-03	1.0E-03	1.2E-04	1.6E-01	5.5E-01	1.1E-05	2.7E+00

583	8.98	9.0E-06	1.4E+01	7.2E-03	1.0E-03	1.0E-04	1.6E-01	5.5E-01	9.0E-06	2.5E+00
584	1.88	1.9E-06	2.9E+00	7.2E-03	1.0E-03	2.2E-05	1.6E-01	5.5E-01	1.9E-06	7.0E+00
585	2.17	2.2E-06	3.4E+00	7.2E-03	1.0E-03	2.5E-05	1.6E-01	5.5E-01	2.2E-06	7.8E+00
586	2.54	2.5E-06	3.9E+00	7.2E-03	1.0E-03	2.9E-05	1.6E-01	5.5E-01	2.5E-06	8.5E+00
587	2.99	3.0E-06	4.6E+00	7.2E-03	1.0E-03	3.5E-05	1.6E-01	5.5E-01	3.0E-06	9.1E+00
588	3.59	3.6E-06	5.5E+00	7.2E-03	1.0E-03	4.2E-05	1.6E-01	5.5E-01	3.6E-06	9.7E+00
589	35.39	3.5E-05	5.5E+01	7.2E-03	1.0E-03	4.1E-04	1.6E-01	5.5E-01	3.5E-05	4.1E+00
590	28.68	2.9E-05	4.4E+01	7.2E-03	1.0E-03	3.3E-04	1.6E-01	5.5E-01	2.9E-05	3.8E+00
591	23.02	2.3E-05	3.6E+01	7.2E-03	1.0E-03	2.7E-04	1.6E-01	5.5E-01	2.3E-05	3.5E+00
592	18.09	1.8E-05	2.8E+01	7.2E-03	1.0E-03	2.1E-04	1.6E-01	5.5E-01	1.8E-05	3.2E+00
593	14.65	1.5E-05	2.3E+01	7.2E-03	1.0E-03	1.7E-04	1.6E-01	5.5E-01	1.5E-05	2.9E+00
594	11.84	1.2E-05	1.8E+01	7.2E-03	1.0E-03	1.4E-04	1.6E-01	5.5E-01	1.2E-05	2.7E+00
595	9.59	9.6E-06	1.5E+01	7.2E-03	1.0E-03	1.1E-04	1.6E-01	5.5E-01	9.6E-06	2.4E+00
596	1.93	1.9E-06	3.0E+00	7.2E-03	1.0E-03	2.2E-05	1.6E-01	5.5E-01	1.9E-06	6.0E+00
597	2.24	2.2E-06	3.5E+00	7.2E-03	1.0E-03	2.6E-05	1.6E-01	5.5E-01	2.2E-06	6.6E+00
598	2.61	2.6E-06	4.0E+00	7.2E-03	1.0E-03	3.0E-05	1.6E-01	5.5E-01	2.6E-06	7.1E+00
599	3.11	3.1E-06	4.8E+00	7.2E-03	1.0E-03	3.6E-05	1.6E-01	5.5E-01	3.1E-06	7.6E+00
600	3.75	3.8E-06	5.8E+00	7.2E-03	1.0E-03	4.4E-05	1.6E-01	5.5E-01	3.8E-06	8.0E+00
601	33.21	3.3E-05	5.1E+01	7.2E-03	1.0E-03	3.9E-04	1.6E-01	5.5E-01	3.3E-05	3.5E+00
602	25.32	2.5E-05	3.9E+01	7.2E-03	1.0E-03	2.9E-04	1.6E-01	5.5E-01	2.5E-05	3.3E+00
603	19.47	1.9E-05	3.0E+01	7.2E-03	1.0E-03	2.3E-04	1.6E-01	5.5E-01	1.9E-05	3.0E+00
604	15.45	1.5E-05	2.4E+01	7.2E-03	1.0E-03	1.8E-04	1.6E-01	5.5E-01	1.5E-05	2.8E+00
605	12.43	1.2E-05	1.9E+01	7.2E-03	1.0E-03	1.4E-04	1.6E-01	5.5E-01	1.2E-05	2.6E+00
606	10.02	1.0E-05	1.5E+01	7.2E-03	1.0E-03	1.2E-04	1.6E-01	5.5E-01	1.0E-05	2.4E+00
607	1.96	2.0E-06	3.0E+00	7.2E-03	1.0E-03	2.3E-05	1.6E-01	5.5E-01	2.0E-06	5.2E+00
608	2.28	2.3E-06	3.5E+00	7.2E-03	1.0E-03	2.6E-05	1.6E-01	5.5E-01	2.3E-06	5.7E+00
609	2.67	2.7E-06	4.1E+00	7.2E-03	1.0E-03	3.1E-05	1.6E-01	5.5E-01	2.7E-06	6.1E+00
610	3.18	3.2E-06	4.9E+00	7.2E-03	1.0E-03	3.7E-05	1.6E-01	5.5E-01	3.2E-06	6.5E+00
611	3.85	3.9E-06	6.0E+00	7.2E-03	1.0E-03	4.5E-05	1.6E-01	5.5E-01	3.8E-06	6.8E+00
612	36.17	3.6E-05	5.6E+01	7.2E-03	1.0E-03	4.2E-04	1.6E-01	5.5E-01	3.6E-05	3.3E+00
613	26.46	2.6E-05	4.1E+01	7.2E-03	1.0E-03	3.1E-04	1.6E-01	5.5E-01	2.6E-05	3.1E+00
614	19.86	2.0E-05	3.1E+01	7.2E-03	1.0E-03	2.3E-04	1.6E-01	5.5E-01	2.0E-05	2.9E+00
615	15.50	1.5E-05	2.4E+01	7.2E-03	1.0E-03	1.8E-04	1.6E-01	5.5E-01	1.5E-05	2.7E+00
616	12.34	1.2E-05	1.9E+01	7.2E-03	1.0E-03	1.4E-04	1.6E-01	5.5E-01	1.2E-05	2.5E+00
617	9.85	9.8E-06	1.5E+01	7.2E-03	1.0E-03	1.1E-04	1.6E-01	5.5E-01	9.8E-06	2.3E+00
618	1.97	2.0E-06	3.0E+00	7.2E-03	1.0E-03	2.3E-05	1.6E-01	5.5E-01	2.0E-06	4.6E+00
619	2.28	2.3E-06	3.5E+00	7.2E-03	1.0E-03	2.6E-05	1.6E-01	5.5E-01	2.3E-06	4.9E+00
620	2.69	2.7E-06	4.2E+00	7.2E-03	1.0E-03	3.1E-05	1.6E-01	5.5E-01	2.7E-06	5.3E+00
621	3.19	3.2E-06	4.9E+00	7.2E-03	1.0E-03	3.7E-05	1.6E-01	5.5E-01	3.2E-06	5.6E+00
622	3.87	3.9E-06	6.0E+00	7.2E-03	1.0E-03	4.5E-05	1.6E-01	5.5E-01	3.9E-06	5.8E+00
623	35.81	3.6E-05	5.5E+01	7.2E-03	1.0E-03	4.2E-04	1.6E-01	5.5E-01	3.6E-05	3.1E+00
624	25.56	2.6E-05	4.0E+01	7.2E-03	1.0E-03	3.0E-04	1.6E-01	5.5E-01	2.6E-05	2.9E+00
625	19.09	1.9E-05	3.0E+01	7.2E-03	1.0E-03	2.2E-04	1.6E-01	5.5E-01	1.9E-05	2.7E+00
626	14.87	1.5E-05	2.3E+01	7.2E-03	1.0E-03	1.7E-04	1.6E-01	5.5E-01	1.5E-05	2.5E+00
627	11.95	1.2E-05	1.8E+01	7.2E-03	1.0E-03	1.4E-04	1.6E-01	5.5E-01	1.2E-05	2.4E+00
628	9.61	9.6E-06	1.5E+01	7.2E-03	1.0E-03	1.1E-04	1.6E-01	5.5E-01	9.6E-06	2.2E+00
629	1.96	2.0E-06	3.0E+00	7.2E-03	1.0E-03	2.3E-05	1.6E-01	5.5E-01	2.0E-06	4.1E+00
630	2.26	2.3E-06	3.5E+00	7.2E-03	1.0E-03	2.6E-05	1.6E-01	5.5E-01	2.3E-06	4.3E+00
631	2.65	2.7E-06	4.1E+00	7.2E-03	1.0E-03	3.1E-05	1.6E-01	5.5E-01	2.7E-06	4.6E+00

632	3.15	3.2E-06	4.9E+00	7.2E-03	1.0E-03	3.7E-05	1.6E-01	5.5E-01	3.2E-06	4.8E+00
633	3.83	3.8E-06	5.9E+00	7.2E-03	1.0E-03	4.4E-05	1.6E-01	5.5E-01	3.8E-06	5.0E+00
634	31.56	3.2E-05	4.9E+01	7.2E-03	1.0E-03	3.7E-04	1.6E-01	5.5E-01	3.2E-05	3.0E+00
635	22.99	2.3E-05	3.6E+01	7.2E-03	1.0E-03	2.7E-04	1.6E-01	5.5E-01	2.3E-05	2.8E+00
636	17.45	1.7E-05	2.7E+01	7.2E-03	1.0E-03	2.0E-04	1.6E-01	5.5E-01	1.7E-05	2.6E+00
637	13.74	1.4E-05	2.1E+01	7.2E-03	1.0E-03	1.6E-04	1.6E-01	5.5E-01	1.4E-05	2.4E+00
638	11.10	1.1E-05	1.7E+01	7.2E-03	1.0E-03	1.3E-04	1.6E-01	5.5E-01	1.1E-05	2.3E+00
639	9.13	9.1E-06	1.4E+01	7.2E-03	1.0E-03	1.1E-04	1.6E-01	5.5E-01	9.1E-06	2.1E+00
640	1.93	1.9E-06	3.0E+00	7.2E-03	1.0E-03	2.2E-05	1.6E-01	5.5E-01	1.9E-06	3.6E+00
641	2.23	2.2E-06	3.4E+00	7.2E-03	1.0E-03	2.6E-05	1.6E-01	5.5E-01	2.2E-06	3.8E+00
642	2.61	2.6E-06	4.0E+00	7.2E-03	1.0E-03	3.0E-05	1.6E-01	5.5E-01	2.6E-06	4.1E+00
643	3.10	3.1E-06	4.8E+00	7.2E-03	1.0E-03	3.6E-05	1.6E-01	5.5E-01	3.1E-06	4.3E+00
644	3.74	3.7E-06	5.8E+00	7.2E-03	1.0E-03	4.3E-05	1.6E-01	5.5E-01	3.7E-06	4.4E+00
645	25.65	2.6E-05	4.0E+01	7.2E-03	1.0E-03	3.0E-04	1.6E-01	5.5E-01	2.6E-05	2.8E+00
646	19.63	2.0E-05	3.0E+01	7.2E-03	1.0E-03	2.3E-04	1.6E-01	5.5E-01	2.0E-05	2.6E+00
647	15.37	1.5E-05	2.4E+01	7.2E-03	1.0E-03	1.8E-04	1.6E-01	5.5E-01	1.5E-05	2.5E+00
648	12.36	1.2E-05	1.9E+01	7.2E-03	1.0E-03	1.4E-04	1.6E-01	5.5E-01	1.2E-05	2.3E+00
649	10.12	1.0E-05	1.6E+01	7.2E-03	1.0E-03	1.2E-04	1.6E-01	5.5E-01	1.0E-05	2.2E+00
650	8.41	8.4E-06	1.3E+01	7.2E-03	1.0E-03	9.8E-05	1.6E-01	5.5E-01	8.4E-06	2.0E+00
651	1.89	1.9E-06	2.9E+00	7.2E-03	1.0E-03	2.2E-05	1.6E-01	5.5E-01	1.9E-06	3.2E+00
652	2.18	2.2E-06	3.4E+00	7.2E-03	1.0E-03	2.5E-05	1.6E-01	5.5E-01	2.2E-06	3.4E+00
653	2.55	2.5E-06	3.9E+00	7.2E-03	1.0E-03	3.0E-05	1.6E-01	5.5E-01	2.5E-06	3.6E+00
654	3.01	3.0E-06	4.7E+00	7.2E-03	1.0E-03	3.5E-05	1.6E-01	5.5E-01	3.0E-06	3.8E+00
655	3.61	3.6E-06	5.6E+00	7.2E-03	1.0E-03	4.2E-05	1.6E-01	5.5E-01	3.6E-06	3.9E+00
656	4.40	4.4E-06	6.8E+00	7.2E-03	1.0E-03	5.1E-05	1.6E-01	5.5E-01	4.4E-06	4.0E+00
657	5.51	5.5E-06	8.5E+00	7.2E-03	1.0E-03	6.4E-05	1.6E-01	5.5E-01	5.5E-06	4.1E+00
658	7.12	7.1E-06	1.1E+01	7.2E-03	1.0E-03	8.3E-05	1.6E-01	5.5E-01	7.1E-06	4.1E+00
659	9.49	9.5E-06	1.5E+01	7.2E-03	1.0E-03	1.1E-04	1.6E-01	5.5E-01	9.5E-06	4.1E+00
660	13.15	1.3E-05	2.0E+01	7.2E-03	1.0E-03	1.5E-04	1.6E-01	5.5E-01	1.3E-05	4.1E+00
661	18.30	1.8E-05	2.8E+01	7.2E-03	1.0E-03	2.1E-04	1.6E-01	5.5E-01	1.8E-05	4.0E+00
662	25.06	2.5E-05	3.9E+01	7.2E-03	1.0E-03	2.9E-04	1.6E-01	5.5E-01	2.5E-05	3.9E+00
663	32.49	3.2E-05	5.0E+01	7.2E-03	1.0E-03	3.8E-04	1.6E-01	5.5E-01	3.2E-05	3.8E+00
664	39.04	3.9E-05	6.0E+01	7.2E-03	1.0E-03	4.5E-04	1.6E-01	5.5E-01	3.9E-05	3.7E+00
665	43.00	4.3E-05	6.6E+01	7.2E-03	1.0E-03	5.0E-04	1.6E-01	5.5E-01	4.3E-05	3.6E+00
666	44.16	4.4E-05	6.8E+01	7.2E-03	1.0E-03	5.1E-04	1.6E-01	5.5E-01	4.4E-05	3.4E+00
667	42.59	4.3E-05	6.6E+01	7.2E-03	1.0E-03	4.9E-04	1.6E-01	5.5E-01	4.3E-05	3.3E+00
668	38.53	3.9E-05	6.0E+01	7.2E-03	1.0E-03	4.5E-04	1.6E-01	5.5E-01	3.9E-05	3.1E+00
669	32.35	3.2E-05	5.0E+01	7.2E-03	1.0E-03	3.8E-04	1.6E-01	5.5E-01	3.2E-05	2.9E+00
670	25.77	2.6E-05	4.0E+01	7.2E-03	1.0E-03	3.0E-04	1.6E-01	5.5E-01	2.6E-05	2.8E+00
671	20.33	2.0E-05	3.1E+01	7.2E-03	1.0E-03	2.4E-04	1.6E-01	5.5E-01	2.0E-05	2.6E+00
672	16.30	1.6E-05	2.5E+01	7.2E-03	1.0E-03	1.9E-04	1.6E-01	5.5E-01	1.6E-05	2.5E+00
673	13.20	1.3E-05	2.0E+01	7.2E-03	1.0E-03	1.5E-04	1.6E-01	5.5E-01	1.3E-05	2.3E+00
674	10.87	1.1E-05	1.7E+01	7.2E-03	1.0E-03	1.3E-04	1.6E-01	5.5E-01	1.1E-05	2.2E+00
675	9.06	9.1E-06	1.4E+01	7.2E-03	1.0E-03	1.1E-04	1.6E-01	5.5E-01	9.1E-06	2.1E+00
676	7.66	7.7E-06	1.2E+01	7.2E-03	1.0E-03	8.9E-05	1.6E-01	5.5E-01	7.7E-06	1.9E+00
677	1.83	1.8E-06	2.8E+00	7.2E-03	1.0E-03	2.1E-05	1.6E-01	5.5E-01	1.8E-06	2.9E+00
678	2.09	2.1E-06	3.2E+00	7.2E-03	1.0E-03	2.4E-05	1.6E-01	5.5E-01	2.1E-06	3.1E+00
679	2.43	2.4E-06	3.8E+00	7.2E-03	1.0E-03	2.8E-05	1.6E-01	5.5E-01	2.4E-06	3.2E+00
680	2.84	2.8E-06	4.4E+00	7.2E-03	1.0E-03	3.3E-05	1.6E-01	5.5E-01	2.8E-06	3.4E+00

681	3.40	3.4E-06	5.2E+00	7.2E-03	1.0E-03	3.9E-05	1.6E-01	5.5E-01	3.4E-06	3.5E+00
682	4.10	4.1E-06	6.3E+00	7.2E-03	1.0E-03	4.8E-05	1.6E-01	5.5E-01	4.1E-06	3.6E+00
683	5.02	5.0E-06	7.8E+00	7.2E-03	1.0E-03	5.8E-05	1.6E-01	5.5E-01	5.0E-06	3.7E+00
684	6.37	6.4E-06	9.8E+00	7.2E-03	1.0E-03	7.4E-05	1.6E-01	5.5E-01	6.4E-06	3.7E+00
685	8.23	8.2E-06	1.3E+01	7.2E-03	1.0E-03	9.6E-05	1.6E-01	5.5E-01	8.2E-06	3.7E+00
686	10.72	1.1E-05	1.7E+01	7.2E-03	1.0E-03	1.2E-04	1.6E-01	5.5E-01	1.1E-05	3.7E+00
687	14.14	1.4E-05	2.2E+01	7.2E-03	1.0E-03	1.6E-04	1.6E-01	5.5E-01	1.4E-05	3.6E+00
688	18.23	1.8E-05	2.8E+01	7.2E-03	1.0E-03	2.1E-04	1.6E-01	5.5E-01	1.8E-05	3.6E+00
689	22.32	2.2E-05	3.5E+01	7.2E-03	1.0E-03	2.6E-04	1.6E-01	5.5E-01	2.2E-05	3.5E+00
690	25.94	2.6E-05	4.0E+01	7.2E-03	1.0E-03	3.0E-04	1.6E-01	5.5E-01	2.6E-05	3.4E+00
691	28.27	2.8E-05	4.4E+01	7.2E-03	1.0E-03	3.3E-04	1.6E-01	5.5E-01	2.8E-05	3.3E+00
692	29.16	2.9E-05	4.5E+01	7.2E-03	1.0E-03	3.4E-04	1.6E-01	5.5E-01	2.9E-05	3.1E+00
693	28.44	2.8E-05	4.4E+01	7.2E-03	1.0E-03	3.3E-04	1.6E-01	5.5E-01	2.8E-05	3.0E+00
694	26.32	2.6E-05	4.1E+01	7.2E-03	1.0E-03	3.1E-04	1.6E-01	5.5E-01	2.6E-05	2.9E+00
695	23.14	2.3E-05	3.6E+01	7.2E-03	1.0E-03	2.7E-04	1.6E-01	5.5E-01	2.3E-05	2.7E+00
696	19.55	2.0E-05	3.0E+01	7.2E-03	1.0E-03	2.3E-04	1.6E-01	5.5E-01	2.0E-05	2.6E+00
697	16.21	1.6E-05	2.5E+01	7.2E-03	1.0E-03	1.9E-04	1.6E-01	5.5E-01	1.6E-05	2.5E+00
698	13.50	1.4E-05	2.1E+01	7.2E-03	1.0E-03	1.6E-04	1.6E-01	5.5E-01	1.4E-05	2.3E+00
699	11.27	1.1E-05	1.7E+01	7.2E-03	1.0E-03	1.3E-04	1.6E-01	5.5E-01	1.1E-05	2.2E+00
700	9.49	9.5E-06	1.5E+01	7.2E-03	1.0E-03	1.1E-04	1.6E-01	5.5E-01	9.5E-06	2.1E+00
701	8.05	8.1E-06	1.2E+01	7.2E-03	1.0E-03	9.4E-05	1.6E-01	5.5E-01	8.1E-06	2.0E+00
702	6.91	6.9E-06	1.1E+01	7.2E-03	1.0E-03	8.0E-05	1.6E-01	5.5E-01	6.9E-06	1.9E+00
703	1.76	1.8E-06	2.7E+00	7.2E-03	1.0E-03	2.0E-05	1.6E-01	5.5E-01	1.8E-06	2.7E+00
704	2.01	2.0E-06	3.1E+00	7.2E-03	1.0E-03	2.3E-05	1.6E-01	5.5E-01	2.0E-06	2.8E+00
705	2.31	2.3E-06	3.6E+00	7.2E-03	1.0E-03	2.7E-05	1.6E-01	5.5E-01	2.3E-06	2.9E+00
706	2.68	2.7E-06	4.1E+00	7.2E-03	1.0E-03	3.1E-05	1.6E-01	5.5E-01	2.7E-06	3.0E+00
707	3.16	3.2E-06	4.9E+00	7.2E-03	1.0E-03	3.7E-05	1.6E-01	5.5E-01	3.2E-06	3.1E+00
708	3.79	3.8E-06	5.9E+00	7.2E-03	1.0E-03	4.4E-05	1.6E-01	5.5E-01	3.8E-06	3.2E+00
709	4.59	4.6E-06	7.1E+00	7.2E-03	1.0E-03	5.3E-05	1.6E-01	5.5E-01	4.6E-06	3.3E+00
710	5.71	5.7E-06	8.8E+00	7.2E-03	1.0E-03	6.6E-05	1.6E-01	5.5E-01	5.7E-06	3.3E+00
711	7.09	7.1E-06	1.1E+01	7.2E-03	1.0E-03	8.2E-05	1.6E-01	5.5E-01	7.1E-06	3.3E+00
712	8.92	8.9E-06	1.4E+01	7.2E-03	1.0E-03	1.0E-04	1.6E-01	5.5E-01	8.9E-06	3.3E+00
713	11.09	1.1E-05	1.7E+01	7.2E-03	1.0E-03	1.3E-04	1.6E-01	5.5E-01	1.1E-05	3.3E+00
714	13.70	1.4E-05	2.1E+01	7.2E-03	1.0E-03	1.6E-04	1.6E-01	5.5E-01	1.4E-05	3.3E+00
715	16.20	1.6E-05	2.5E+01	7.2E-03	1.0E-03	1.9E-04	1.6E-01	5.5E-01	1.6E-05	3.2E+00
716	18.31	1.8E-05	2.8E+01	7.2E-03	1.0E-03	2.1E-04	1.6E-01	5.5E-01	1.8E-05	3.1E+00
717	19.75	2.0E-05	3.1E+01	7.2E-03	1.0E-03	2.3E-04	1.6E-01	5.5E-01	2.0E-05	3.0E+00
718	20.43	2.0E-05	3.2E+01	7.2E-03	1.0E-03	2.4E-04	1.6E-01	5.5E-01	2.0E-05	2.9E+00
719	20.19	2.0E-05	3.1E+01	7.2E-03	1.0E-03	2.3E-04	1.6E-01	5.5E-01	2.0E-05	2.8E+00
720	19.10	1.9E-05	3.0E+01	7.2E-03	1.0E-03	2.2E-04	1.6E-01	5.5E-01	1.9E-05	2.7E+00
721	17.35	1.7E-05	2.7E+01	7.2E-03	1.0E-03	2.0E-04	1.6E-01	5.5E-01	1.7E-05	2.6E+00
722	15.23	1.5E-05	2.4E+01	7.2E-03	1.0E-03	1.8E-04	1.6E-01	5.5E-01	1.5E-05	2.4E+00
723	13.11	1.3E-05	2.0E+01	7.2E-03	1.0E-03	1.5E-04	1.6E-01	5.5E-01	1.3E-05	2.3E+00
724	11.29	1.1E-05	1.7E+01	7.2E-03	1.0E-03	1.3E-04	1.6E-01	5.5E-01	1.1E-05	2.2E+00
725	9.67	9.7E-06	1.5E+01	7.2E-03	1.0E-03	1.1E-04	1.6E-01	5.5E-01	9.7E-06	2.1E+00
726	8.30	8.3E-06	1.3E+01	7.2E-03	1.0E-03	9.6E-05	1.6E-01	5.5E-01	8.3E-06	2.0E+00
727	7.15	7.2E-06	1.1E+01	7.2E-03	1.0E-03	8.3E-05	1.6E-01	5.5E-01	7.2E-06	1.9E+00
728	6.22	6.2E-06	9.6E+00	7.2E-03	1.0E-03	7.2E-05	1.6E-01	5.5E-01	6.2E-06	1.8E+00
729	1.69	1.7E-06	2.6E+00	7.2E-03	1.0E-03	2.0E-05	1.6E-01	5.5E-01	1.7E-06	2.4E+00

730	1.92	1.9E-06	3.0E+00	7.2E-03	1.0E-03	2.2E-05	1.6E-01	5.5E-01	1.9E-06	2.5E+00
731	2.19	2.2E-06	3.4E+00	7.2E-03	1.0E-03	2.5E-05	1.6E-01	5.5E-01	2.2E-06	2.6E+00
732	2.53	2.5E-06	3.9E+00	7.2E-03	1.0E-03	2.9E-05	1.6E-01	5.5E-01	2.5E-06	2.7E+00
733	2.94	2.9E-06	4.5E+00	7.2E-03	1.0E-03	3.4E-05	1.6E-01	5.5E-01	2.9E-06	2.8E+00
734	3.48	3.5E-06	5.4E+00	7.2E-03	1.0E-03	4.0E-05	1.6E-01	5.5E-01	3.5E-06	2.9E+00
735	4.17	4.2E-06	6.4E+00	7.2E-03	1.0E-03	4.8E-05	1.6E-01	5.5E-01	4.2E-06	3.0E+00
736	5.06	5.1E-06	7.8E+00	7.2E-03	1.0E-03	5.9E-05	1.6E-01	5.5E-01	5.1E-06	3.0E+00
737	6.08	6.1E-06	9.4E+00	7.2E-03	1.0E-03	7.1E-05	1.6E-01	5.5E-01	6.1E-06	3.0E+00
738	7.42	7.4E-06	1.1E+01	7.2E-03	1.0E-03	8.6E-05	1.6E-01	5.5E-01	7.4E-06	3.0E+00
739	8.89	8.9E-06	1.4E+01	7.2E-03	1.0E-03	1.0E-04	1.6E-01	5.5E-01	8.9E-06	3.0E+00
740	10.59	1.1E-05	1.6E+01	7.2E-03	1.0E-03	1.2E-04	1.6E-01	5.5E-01	1.1E-05	3.0E+00
741	12.24	1.2E-05	1.9E+01	7.2E-03	1.0E-03	1.4E-04	1.6E-01	5.5E-01	1.2E-05	2.9E+00
742	13.56	1.4E-05	2.1E+01	7.2E-03	1.0E-03	1.6E-04	1.6E-01	5.5E-01	1.4E-05	2.9E+00
743	14.52	1.5E-05	2.2E+01	7.2E-03	1.0E-03	1.7E-04	1.6E-01	5.5E-01	1.5E-05	2.8E+00
744	15.07	1.5E-05	2.3E+01	7.2E-03	1.0E-03	1.7E-04	1.6E-01	5.5E-01	1.5E-05	2.7E+00
745	15.07	1.5E-05	2.3E+01	7.2E-03	1.0E-03	1.7E-04	1.6E-01	5.5E-01	1.5E-05	2.6E+00
746	14.52	1.5E-05	2.2E+01	7.2E-03	1.0E-03	1.7E-04	1.6E-01	5.5E-01	1.5E-05	2.5E+00
747	13.50	1.3E-05	2.1E+01	7.2E-03	1.0E-03	1.6E-04	1.6E-01	5.5E-01	1.3E-05	2.4E+00
748	12.15	1.2E-05	1.9E+01	7.2E-03	1.0E-03	1.4E-04	1.6E-01	5.5E-01	1.2E-05	2.3E+00
749	10.76	1.1E-05	1.7E+01	7.2E-03	1.0E-03	1.3E-04	1.6E-01	5.5E-01	1.1E-05	2.2E+00
750	9.48	9.5E-06	1.5E+01	7.2E-03	1.0E-03	1.1E-04	1.6E-01	5.5E-01	9.5E-06	2.1E+00
751	8.29	8.3E-06	1.3E+01	7.2E-03	1.0E-03	9.6E-05	1.6E-01	5.5E-01	8.3E-06	2.0E+00
752	7.26	7.3E-06	1.1E+01	7.2E-03	1.0E-03	8.4E-05	1.6E-01	5.5E-01	7.3E-06	1.9E+00
753	6.36	6.4E-06	9.8E+00	7.2E-03	1.0E-03	7.4E-05	1.6E-01	5.5E-01	6.4E-06	1.8E+00
754	5.60	5.6E-06	8.7E+00	7.2E-03	1.0E-03	6.5E-05	1.6E-01	5.5E-01	5.6E-06	1.7E+00
755	1.61	1.6E-06	2.5E+00	7.2E-03	1.0E-03	1.9E-05	1.6E-01	5.5E-01	1.6E-06	2.2E+00
756	1.81	1.8E-06	2.8E+00	7.2E-03	1.0E-03	2.1E-05	1.6E-01	5.5E-01	1.8E-06	2.3E+00
757	2.06	2.1E-06	3.2E+00	7.2E-03	1.0E-03	2.4E-05	1.6E-01	5.5E-01	2.1E-06	2.4E+00
758	2.35	2.4E-06	3.6E+00	7.2E-03	1.0E-03	2.7E-05	1.6E-01	5.5E-01	2.4E-06	2.5E+00
759	2.73	2.7E-06	4.2E+00	7.2E-03	1.0E-03	3.2E-05	1.6E-01	5.5E-01	2.7E-06	2.6E+00
760	3.18	3.2E-06	4.9E+00	7.2E-03	1.0E-03	3.7E-05	1.6E-01	5.5E-01	3.2E-06	2.6E+00
761	3.75	3.7E-06	5.8E+00	7.2E-03	1.0E-03	4.3E-05	1.6E-01	5.5E-01	3.7E-06	2.7E+00
762	4.45	4.5E-06	6.9E+00	7.2E-03	1.0E-03	5.2E-05	1.6E-01	5.5E-01	4.4E-06	2.7E+00
763	5.25	5.3E-06	8.1E+00	7.2E-03	1.0E-03	6.1E-05	1.6E-01	5.5E-01	5.3E-06	2.8E+00
764	6.21	6.2E-06	9.6E+00	7.2E-03	1.0E-03	7.2E-05	1.6E-01	5.5E-01	6.2E-06	2.8E+00
765	7.25	7.3E-06	1.1E+01	7.2E-03	1.0E-03	8.4E-05	1.6E-01	5.5E-01	7.2E-06	2.7E+00
766	8.40	8.4E-06	1.3E+01	7.2E-03	1.0E-03	9.8E-05	1.6E-01	5.5E-01	8.4E-06	2.7E+00
767	9.55	9.5E-06	1.5E+01	7.2E-03	1.0E-03	1.1E-04	1.6E-01	5.5E-01	9.5E-06	2.7E+00
768	10.45	1.0E-05	1.6E+01	7.2E-03	1.0E-03	1.2E-04	1.6E-01	5.5E-01	1.0E-05	2.6E+00
769	11.13	1.1E-05	1.7E+01	7.2E-03	1.0E-03	1.3E-04	1.6E-01	5.5E-01	1.1E-05	2.6E+00
770	11.60	1.2E-05	1.8E+01	7.2E-03	1.0E-03	1.3E-04	1.6E-01	5.5E-01	1.2E-05	2.5E+00
771	11.72	1.2E-05	1.8E+01	7.2E-03	1.0E-03	1.4E-04	1.6E-01	5.5E-01	1.2E-05	2.4E+00
772	11.47	1.1E-05	1.8E+01	7.2E-03	1.0E-03	1.3E-04	1.6E-01	5.5E-01	1.1E-05	2.3E+00
773	10.85	1.1E-05	1.7E+01	7.2E-03	1.0E-03	1.3E-04	1.6E-01	5.5E-01	1.1E-05	2.2E+00
774	9.90	9.9E-06	1.5E+01	7.2E-03	1.0E-03	1.1E-04	1.6E-01	5.5E-01	9.9E-06	2.2E+00
775	8.97	9.0E-06	1.4E+01	7.2E-03	1.0E-03	1.0E-04	1.6E-01	5.5E-01	9.0E-06	2.1E+00
776	8.06	8.1E-06	1.2E+01	7.2E-03	1.0E-03	9.4E-05	1.6E-01	5.5E-01	8.1E-06	2.0E+00
777	7.19	7.2E-06	1.1E+01	7.2E-03	1.0E-03	8.3E-05	1.6E-01	5.5E-01	7.2E-06	1.9E+00
778	6.39	6.4E-06	9.9E+00	7.2E-03	1.0E-03	7.4E-05	1.6E-01	5.5E-01	6.4E-06	1.8E+00

779	5.68	5.7E-06	8.8E+00	7.2E-03	1.0E-03	6.6E-05	1.6E-01	5.5E-01	5.7E-06	1.7E+00
780	5.06	5.1E-06	7.8E+00	7.2E-03	1.0E-03	5.9E-05	1.6E-01	5.5E-01	5.1E-06	1.6E+00
781	1.53	1.5E-06	2.4E+00	7.2E-03	1.0E-03	1.8E-05	1.6E-01	5.5E-01	1.5E-06	2.0E+00
782	1.71	1.7E-06	2.6E+00	7.2E-03	1.0E-03	2.0E-05	1.6E-01	5.5E-01	1.7E-06	2.1E+00
783	1.93	1.9E-06	3.0E+00	7.2E-03	1.0E-03	2.2E-05	1.6E-01	5.5E-01	1.9E-06	2.2E+00
784	2.20	2.2E-06	3.4E+00	7.2E-03	1.0E-03	2.5E-05	1.6E-01	5.5E-01	2.2E-06	2.3E+00
785	2.52	2.5E-06	3.9E+00	7.2E-03	1.0E-03	2.9E-05	1.6E-01	5.5E-01	2.5E-06	2.4E+00
786	2.91	2.9E-06	4.5E+00	7.2E-03	1.0E-03	3.4E-05	1.6E-01	5.5E-01	2.9E-06	2.4E+00
787	3.37	3.4E-06	5.2E+00	7.2E-03	1.0E-03	3.9E-05	1.6E-01	5.5E-01	3.4E-06	2.5E+00
788	3.94	3.9E-06	6.1E+00	7.2E-03	1.0E-03	4.6E-05	1.6E-01	5.5E-01	3.9E-06	2.5E+00
789	4.56	4.6E-06	7.0E+00	7.2E-03	1.0E-03	5.3E-05	1.6E-01	5.5E-01	4.6E-06	2.5E+00
790	5.25	5.3E-06	8.1E+00	7.2E-03	1.0E-03	6.1E-05	1.6E-01	5.5E-01	5.2E-06	2.5E+00
791	6.02	6.0E-06	9.3E+00	7.2E-03	1.0E-03	7.0E-05	1.6E-01	5.5E-01	6.0E-06	2.5E+00
792	6.85	6.8E-06	1.1E+01	7.2E-03	1.0E-03	8.0E-05	1.6E-01	5.5E-01	6.8E-06	2.5E+00
793	7.66	7.7E-06	1.2E+01	7.2E-03	1.0E-03	8.9E-05	1.6E-01	5.5E-01	7.7E-06	2.5E+00
794	8.29	8.3E-06	1.3E+01	7.2E-03	1.0E-03	9.6E-05	1.6E-01	5.5E-01	8.3E-06	2.4E+00
795	8.84	8.8E-06	1.4E+01	7.2E-03	1.0E-03	1.0E-04	1.6E-01	5.5E-01	8.8E-06	2.4E+00
796	9.22	9.2E-06	1.4E+01	7.2E-03	1.0E-03	1.1E-04	1.6E-01	5.5E-01	9.2E-06	2.3E+00
797	9.38	9.4E-06	1.5E+01	7.2E-03	1.0E-03	1.1E-04	1.6E-01	5.5E-01	9.4E-06	2.3E+00
798	9.26	9.3E-06	1.4E+01	7.2E-03	1.0E-03	1.1E-04	1.6E-01	5.5E-01	9.3E-06	2.2E+00
799	8.86	8.9E-06	1.4E+01	7.2E-03	1.0E-03	1.0E-04	1.6E-01	5.5E-01	8.9E-06	2.1E+00
800	8.20	8.2E-06	1.3E+01	7.2E-03	1.0E-03	9.5E-05	1.6E-01	5.5E-01	8.2E-06	2.0E+00
801	7.56	7.6E-06	1.2E+01	7.2E-03	1.0E-03	8.8E-05	1.6E-01	5.5E-01	7.6E-06	1.9E+00
802	6.93	6.9E-06	1.1E+01	7.2E-03	1.0E-03	8.0E-05	1.6E-01	5.5E-01	6.9E-06	1.9E+00
803	6.28	6.3E-06	9.7E+00	7.2E-03	1.0E-03	7.3E-05	1.6E-01	5.5E-01	6.3E-06	1.8E+00
804	5.67	5.7E-06	8.8E+00	7.2E-03	1.0E-03	6.6E-05	1.6E-01	5.5E-01	5.7E-06	1.7E+00
805	5.10	5.1E-06	7.9E+00	7.2E-03	1.0E-03	5.9E-05	1.6E-01	5.5E-01	5.1E-06	1.6E+00
806	4.58	4.6E-06	7.1E+00	7.2E-03	1.0E-03	5.3E-05	1.6E-01	5.5E-01	4.6E-06	1.6E+00

Franklin School Project

Risk From New Building Const - Unmitigated Residential

Haul Route 1A							Haul Route 2A							
g/sec	D1	Dose	R1	ED	Risk	Conc	g/sec	D1	Dose	R1	ED	Risk	Conc	g/sec
8.0E-07	1.0E-03	2.7E-10	1.6E-01	5.5E-01	2.3E-11	3.4E-01	2.5E-06	1.0E-03	8.9E-10	1.6E-01	5.5E-01	7.6E-11	3.4E-01	5.2E-06
8.0E-07	1.0E-03	3.0E-10	1.6E-01	5.5E-01	2.6E-11	3.9E-01	2.5E-06	1.0E-03	1.0E-09	1.6E-01	5.5E-01	8.8E-11	3.9E-01	5.2E-06
8.0E-07	1.0E-03	3.4E-10	1.6E-01	5.5E-01	3.0E-11	4.5E-01	2.5E-06	1.0E-03	1.2E-09	1.6E-01	5.5E-01	1.0E-10	4.5E-01	5.2E-06
8.0E-07	1.0E-03	3.8E-10	1.6E-01	5.5E-01	3.3E-11	5.2E-01	2.5E-06	1.0E-03	1.4E-09	1.6E-01	5.5E-01	1.2E-10	5.2E-01	5.2E-06
8.0E-07	1.0E-03	4.2E-10	1.6E-01	5.5E-01	3.6E-11	5.8E-01	2.5E-06	1.0E-03	1.5E-09	1.6E-01	5.5E-01	1.3E-10	5.8E-01	5.2E-06
8.0E-07	1.0E-03	4.6E-10	1.6E-01	5.5E-01	4.0E-11	6.5E-01	2.5E-06	1.0E-03	1.7E-09	1.6E-01	5.5E-01	1.5E-10	6.5E-01	5.2E-06
8.0E-07	1.0E-03	4.9E-10	1.6E-01	5.5E-01	4.3E-11	7.1E-01	2.5E-06	1.0E-03	1.9E-09	1.6E-01	5.5E-01	1.6E-10	7.1E-01	5.2E-06
8.0E-07	1.0E-03	5.3E-10	1.6E-01	5.5E-01	4.6E-11	7.7E-01	2.5E-06	1.0E-03	2.0E-09	1.6E-01	5.5E-01	1.7E-10	7.7E-01	5.2E-06
8.0E-07	1.0E-03	5.8E-10	1.6E-01	5.5E-01	5.0E-11	8.4E-01	2.5E-06	1.0E-03	2.2E-09	1.6E-01	5.5E-01	1.9E-10	8.4E-01	5.2E-06
8.0E-07	1.0E-03	6.3E-10	1.6E-01	5.5E-01	5.4E-11	9.2E-01	2.5E-06	1.0E-03	2.4E-09	1.6E-01	5.5E-01	2.1E-10	9.2E-01	5.2E-06
8.0E-07	1.0E-03	6.7E-10	1.6E-01	5.5E-01	5.8E-11	9.9E-01	2.5E-06	1.0E-03	2.6E-09	1.6E-01	5.5E-01	2.2E-10	9.9E-01	5.2E-06
8.0E-07	1.0E-03	7.0E-10	1.6E-01	5.5E-01	6.0E-11	1.0E+00	2.5E-06	1.0E-03	2.7E-09	1.6E-01	5.5E-01	2.3E-10	1.0E+00	5.2E-06
8.0E-07	1.0E-03	7.1E-10	1.6E-01	5.5E-01	6.1E-11	1.0E+00	2.5E-06	1.0E-03	2.7E-09	1.6E-01	5.5E-01	2.4E-10	1.0E+00	5.2E-06
8.0E-07	1.0E-03	6.9E-10	1.6E-01	5.5E-01	6.0E-11	1.0E+00	2.5E-06	1.0E-03	2.7E-09	1.6E-01	5.5E-01	2.3E-10	1.0E+00	5.2E-06
8.0E-07	1.0E-03	6.6E-10	1.6E-01	5.5E-01	5.7E-11	9.5E-01	2.5E-06	1.0E-03	2.5E-09	1.6E-01	5.5E-01	2.2E-10	9.5E-01	5.2E-06
8.0E-07	1.0E-03	6.2E-10	1.6E-01	5.5E-01	5.3E-11	8.8E-01	2.5E-06	1.0E-03	2.3E-09	1.6E-01	5.5E-01	2.0E-10	8.8E-01	5.2E-06
8.0E-07	1.0E-03	3.1E-10	1.6E-01	5.5E-01	2.7E-11	3.9E-01	2.5E-06	1.0E-03	1.0E-09	1.6E-01	5.5E-01	8.9E-11	3.9E-01	5.2E-06
8.0E-07	1.0E-03	3.6E-10	1.6E-01	5.5E-01	3.1E-11	4.7E-01	2.5E-06	1.0E-03	1.2E-09	1.6E-01	5.5E-01	1.1E-10	4.7E-01	5.2E-06
8.0E-07	1.0E-03	4.2E-10	1.6E-01	5.5E-01	3.6E-11	5.5E-01	2.5E-06	1.0E-03	1.5E-09	1.6E-01	5.5E-01	1.3E-10	5.5E-01	5.2E-06
8.0E-07	1.0E-03	4.8E-10	1.6E-01	5.5E-01	4.2E-11	6.5E-01	2.5E-06	1.0E-03	1.7E-09	1.6E-01	5.5E-01	1.5E-10	6.5E-01	5.2E-06
8.0E-07	1.0E-03	5.5E-10	1.6E-01	5.5E-01	4.7E-11	7.6E-01	2.5E-06	1.0E-03	2.0E-09	1.6E-01	5.5E-01	1.7E-10	7.6E-01	5.2E-06
8.0E-07	1.0E-03	6.1E-10	1.6E-01	5.5E-01	5.2E-11	8.7E-01	2.5E-06	1.0E-03	2.3E-09	1.6E-01	5.5E-01	2.0E-10	8.7E-01	5.2E-06
8.0E-07	1.0E-03	6.6E-10	1.6E-01	5.5E-01	5.7E-11	9.7E-01	2.5E-06	1.0E-03	2.6E-09	1.6E-01	5.5E-01	2.2E-10	9.7E-01	5.2E-06
8.0E-07	1.0E-03	7.3E-10	1.6E-01	5.5E-01	6.3E-11	1.1E+00	2.5E-06	1.0E-03	2.8E-09	1.6E-01	5.5E-01	2.4E-10	1.1E+00	5.2E-06
8.0E-07	1.0E-03	8.0E-10	1.6E-01	5.5E-01	6.9E-11	1.2E+00	2.5E-06	1.0E-03	3.2E-09	1.6E-01	5.5E-01	2.7E-10	1.2E+00	5.2E-06
8.0E-07	1.0E-03	8.7E-10	1.6E-01	5.5E-01	7.5E-11	1.3E+00	2.5E-06	1.0E-03	3.5E-09	1.6E-01	5.5E-01	3.0E-10	1.3E+00	5.2E-06
8.0E-07	1.0E-03	9.2E-10	1.6E-01	5.5E-01	8.0E-11	1.4E+00	2.5E-06	1.0E-03	3.7E-09	1.6E-01	5.5E-01	3.2E-10	1.4E+00	5.2E-06
8.0E-07	1.0E-03	9.4E-10	1.6E-01	5.5E-01	8.1E-11	1.4E+00	2.5E-06	1.0E-03	3.8E-09	1.6E-01	5.5E-01	3.2E-10	1.4E+00	5.2E-06
8.0E-07	1.0E-03	9.2E-10	1.6E-01	5.5E-01	7.9E-11	1.4E+00	2.5E-06	1.0E-03	3.6E-09	1.6E-01	5.5E-01	3.1E-10	1.4E+00	5.2E-06
8.0E-07	1.0E-03	8.7E-10	1.6E-01	5.5E-01	7.5E-11	1.3E+00	2.5E-06	1.0E-03	3.4E-09	1.6E-01	5.5E-01	2.9E-10	1.3E+00	5.2E-06
8.0E-07	1.0E-03	8.0E-10	1.6E-01	5.5E-01	6.9E-11	1.2E+00	2.5E-06	1.0E-03	3.0E-09	1.6E-01	5.5E-01	2.6E-10	1.2E+00	5.2E-06
8.0E-07	1.0E-03	7.2E-10	1.6E-01	5.5E-01	6.2E-11	1.0E+00	2.5E-06	1.0E-03	2.7E-09	1.6E-01	5.5E-01	2.3E-10	1.0E+00	5.2E-06
8.0E-07	1.0E-03	3.7E-10	1.6E-01	5.5E-01	3.2E-11	4.5E-01	2.5E-06	1.0E-03	1.2E-09	1.6E-01	5.5E-01	1.0E-10	4.5E-01	5.2E-06
8.0E-07	1.0E-03	4.4E-10	1.6E-01	5.5E-01	3.8E-11	5.6E-01	2.5E-06	1.0E-03	1.5E-09	1.6E-01	5.5E-01	1.3E-10	5.6E-01	5.2E-06
8.0E-07	1.0E-03	5.3E-10	1.6E-01	5.5E-01	4.5E-11	6.9E-01	2.5E-06	1.0E-03	1.8E-09	1.6E-01	5.5E-01	1.6E-10	6.9E-01	5.2E-06
8.0E-07	1.0E-03	6.3E-10	1.6E-01	5.5E-01	5.4E-11	8.5E-01	2.5E-06	1.0E-03	2.2E-09	1.6E-01	5.5E-01	1.9E-10	8.5E-01	5.2E-06
8.0E-07	1.0E-03	7.4E-10	1.6E-01	5.5E-01	6.3E-11	1.0E+00	2.5E-06	1.0E-03	2.7E-09	1.6E-01	5.5E-01	2.4E-10	1.0E+00	5.2E-06
8.0E-07	1.0E-03	8.4E-10	1.6E-01	5.5E-01	7.2E-11	1.2E+00	2.5E-06	1.0E-03	3.3E-09	1.6E-01	5.5E-01	2.8E-10	1.2E+00	5.2E-06
8.0E-07	1.0E-03	9.4E-10	1.6E-01	5.5E-01	8.1E-11	1.4E+00	2.5E-06	1.0E-03	3.8E-09	1.6E-01	5.5E-01	3.2E-10	1.4E+00	5.2E-06
8.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-01	9.1E-11	1.6E+00	2.5E-06	1.0E-03	4.3E-09	1.6E-01	5.5E-01	3.7E-10	1.6E+00	5.2E-06
8.0E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-01	1.0E-10	1.9E+00	2.5E-06	1.0E-03	4.9E-09	1.6E-01	5.5E-01	4.2E-10	1.9E+00	5.2E-06
8.0E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-01	1.1E-10	2.1E+00	2.5E-06	1.0E-03	5.4E-09	1.6E-01	5.5E-01	4.6E-10	2.1E+00	5.2E-06
8.0E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-01	1.1E-10	2.1E+00	2.5E-06	1.0E-03	5.5E-09	1.6E-01	5.5E-01	4.7E-10	2.1E+00	5.2E-06

8.0E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-01	1.1E-10	2.0E+00	2.5E-06	1.0E-03	5.2E-09	1.6E-01	5.5E-01	4.5E-10	2.0E+00	5.2E-06
8.0E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-01	1.0E-10	1.8E+00	2.5E-06	1.0E-03	4.7E-09	1.6E-01	5.5E-01	4.1E-10	1.8E+00	5.2E-06
8.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-01	9.2E-11	1.6E+00	2.5E-06	1.0E-03	4.1E-09	1.6E-01	5.5E-01	3.6E-10	1.6E+00	5.2E-06
8.0E-07	1.0E-03	9.4E-10	1.6E-01	5.5E-01	8.1E-11	1.3E+00	2.5E-06	1.0E-03	3.5E-09	1.6E-01	5.5E-01	3.0E-10	1.3E+00	5.2E-06
8.0E-07	1.0E-03	8.2E-10	1.6E-01	5.5E-01	7.0E-11	1.1E+00	2.5E-06	1.0E-03	3.0E-09	1.6E-01	5.5E-01	2.6E-10	1.1E+00	5.2E-06
8.0E-07	1.0E-03	4.3E-10	1.6E-01	5.5E-01	3.7E-11	5.2E-01	2.5E-06	1.0E-03	1.4E-09	1.6E-01	5.5E-01	1.2E-10	5.2E-01	5.2E-06
8.0E-07	1.0E-03	5.3E-10	1.6E-01	5.5E-01	4.6E-11	6.6E-01	2.5E-06	1.0E-03	1.7E-09	1.6E-01	5.5E-01	1.5E-10	6.6E-01	5.2E-06
8.0E-07	1.0E-03	6.7E-10	1.6E-01	5.5E-01	5.8E-11	8.6E-01	2.5E-06	1.0E-03	2.3E-09	1.6E-01	5.5E-01	1.9E-10	8.6E-01	5.2E-06
8.0E-07	1.0E-03	8.4E-10	1.6E-01	5.5E-01	7.3E-11	1.1E+00	2.5E-06	1.0E-03	3.0E-09	1.6E-01	5.5E-01	2.6E-10	1.1E+00	5.2E-06
8.0E-07	1.0E-03	1.0E-09	1.6E-01	5.5E-01	9.0E-11	1.5E+00	2.5E-06	1.0E-03	3.9E-09	1.6E-01	5.5E-01	3.4E-10	1.5E+00	5.2E-06
8.0E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-01	1.1E-10	1.9E+00	2.5E-06	1.0E-03	5.0E-09	1.6E-01	5.5E-01	4.3E-10	1.9E+00	5.2E-06
8.0E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-01	1.2E-10	2.3E+00	2.5E-06	1.0E-03	6.1E-09	1.6E-01	5.5E-01	5.3E-10	2.3E+00	5.2E-06
8.0E-07	1.0E-03	1.7E-09	1.6E-01	5.5E-01	1.4E-10	2.8E+00	2.5E-06	1.0E-03	7.3E-09	1.6E-01	5.5E-01	6.3E-10	2.8E+00	5.2E-06
8.0E-07	1.0E-03	1.9E-09	1.6E-01	5.5E-01	1.6E-10	3.2E+00	2.5E-06	1.0E-03	8.4E-09	1.6E-01	5.5E-01	7.3E-10	3.2E+00	5.2E-06
8.0E-07	1.0E-03	2.0E-09	1.6E-01	5.5E-01	1.7E-10	3.4E+00	2.5E-06	1.0E-03	8.8E-09	1.6E-01	5.5E-01	7.6E-10	3.4E+00	5.2E-06
8.0E-07	1.0E-03	1.9E-09	1.6E-01	5.5E-01	1.6E-10	3.1E+00	2.5E-06	1.0E-03	8.2E-09	1.6E-01	5.5E-01	7.1E-10	3.1E+00	5.2E-06
8.0E-07	1.0E-03	1.7E-09	1.6E-01	5.5E-01	1.5E-10	2.7E+00	2.5E-06	1.0E-03	7.1E-09	1.6E-01	5.5E-01	6.1E-10	2.7E+00	5.2E-06
8.0E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-01	1.3E-10	2.3E+00	2.5E-06	1.0E-03	5.9E-09	1.6E-01	5.5E-01	5.1E-10	2.3E+00	5.2E-06
8.0E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-01	1.1E-10	1.8E+00	2.5E-06	1.0E-03	4.8E-09	1.6E-01	5.5E-01	4.2E-10	1.8E+00	5.2E-06
8.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-01	9.1E-11	1.5E+00	2.5E-06	1.0E-03	3.9E-09	1.6E-01	5.5E-01	3.4E-10	1.5E+00	5.2E-06
8.0E-07	1.0E-03	8.9E-10	1.6E-01	5.5E-01	7.6E-11	1.2E+00	2.5E-06	1.0E-03	3.2E-09	1.6E-01	5.5E-01	2.7E-10	1.2E+00	5.2E-06
8.0E-07	1.0E-03	5.0E-10	1.6E-01	5.5E-01	4.3E-11	5.9E-01	2.5E-06	1.0E-03	1.5E-09	1.6E-01	5.5E-01	1.3E-10	5.9E-01	5.2E-06
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8.0E-07	1.0E-03	8.6E-10	1.6E-01	5.5E-01	7.4E-11	1.1E+00	2.5E-06	1.0E-03	2.8E-09	1.6E-01	5.5E-01	2.4E-10	1.1E+00	5.2E-06
8.0E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-01	1.0E-10	1.5E+00	2.5E-06	1.0E-03	4.0E-09	1.6E-01	5.5E-01	3.4E-10	1.5E+00	5.2E-06
8.0E-07	1.0E-03	1.6E-09	1.6E-01	5.5E-01	1.4E-10	2.2E+00	2.5E-06	1.0E-03	5.9E-09	1.6E-01	5.5E-01	5.1E-10	2.2E+00	5.2E-06
8.0E-07	1.0E-03	2.1E-09	1.6E-01	5.5E-01	1.8E-10	3.3E+00	2.5E-06	1.0E-03	8.6E-09	1.6E-01	5.5E-01	7.4E-10	3.3E+00	5.2E-06
8.0E-07	1.0E-03	2.5E-09	1.6E-01	5.5E-01	2.2E-10	4.5E+00	2.5E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-01	1.0E-09	4.5E+00	5.2E-06
8.0E-07	1.0E-03	3.0E-09	1.6E-01	5.5E-01	2.6E-10	5.6E+00	2.5E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-01	1.3E-09	5.6E+00	5.2E-06
8.0E-07	1.0E-03	3.3E-09	1.6E-01	5.5E-01	2.8E-10	6.2E+00	2.5E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-01	1.4E-09	6.2E+00	5.2E-06
8.0E-07	1.0E-03	3.1E-09	1.6E-01	5.5E-01	2.7E-10	5.6E+00	2.5E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-01	1.3E-09	5.6E+00	5.2E-06
8.0E-07	1.0E-03	2.7E-09	1.6E-01	5.5E-01	2.3E-10	4.5E+00	2.5E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-01	1.0E-09	4.5E+00	5.2E-06
8.0E-07	1.0E-03	2.2E-09	1.6E-01	5.5E-01	1.9E-10	3.4E+00	2.5E-06	1.0E-03	9.1E-09	1.6E-01	5.5E-01	7.8E-10	3.4E+00	5.2E-06
8.0E-07	1.0E-03	1.8E-09	1.6E-01	5.5E-01	1.5E-10	2.6E+00	2.5E-06	1.0E-03	6.9E-09	1.6E-01	5.5E-01	5.9E-10	2.6E+00	5.2E-06
8.0E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-01	1.2E-10	2.0E+00	2.5E-06	1.0E-03	5.2E-09	1.6E-01	5.5E-01	4.5E-10	2.0E+00	5.2E-06
8.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-01	9.7E-11	1.5E+00	2.5E-06	1.0E-03	4.1E-09	1.6E-01	5.5E-01	3.5E-10	1.5E+00	5.2E-06
8.0E-07	1.0E-03	9.2E-10	1.6E-01	5.5E-01	7.9E-11	1.2E+00	2.5E-06	1.0E-03	3.2E-09	1.6E-01	5.5E-01	2.8E-10	1.2E+00	5.2E-06
8.0E-07	1.0E-03	5.7E-10	1.6E-01	5.5E-01	4.9E-11	6.5E-01	2.5E-06	1.0E-03	1.7E-09	1.6E-01	5.5E-01	1.5E-10	6.5E-01	5.2E-06
8.0E-07	1.0E-03	7.7E-10	1.6E-01	5.5E-01	6.6E-11	8.8E-01	2.5E-06	1.0E-03	2.3E-09	1.6E-01	5.5E-01	2.0E-10	8.8E-01	5.2E-06
8.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-01	9.5E-11	1.3E+00	2.5E-06	1.0E-03	3.4E-09	1.6E-01	5.5E-01	2.9E-10	1.3E+00	5.2E-06
8.0E-07	1.0E-03	1.6E-09	1.6E-01	5.5E-01	1.4E-10	2.0E+00	2.5E-06	1.0E-03	5.3E-09	1.6E-01	5.5E-01	4.6E-10	2.0E+00	5.2E-06
8.0E-07	1.0E-03	2.6E-09	1.6E-01	5.5E-01	2.2E-10	3.5E+00	2.5E-06	1.0E-03	9.1E-09	1.6E-01	5.5E-01	7.8E-10	3.5E+00	5.2E-06
8.0E-07	1.0E-03	4.0E-09	1.6E-01	5.5E-01	3.4E-10	6.5E+00	2.5E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-01	1.5E-09	6.5E+00	5.2E-06
8.0E-07	1.0E-03	5.5E-09	1.6E-01	5.5E-01	4.8E-10	1.1E+01	2.5E-06	1.0E-03	3.0E-08	1.6E-01	5.5E-01	2.5E-09	1.1E+01	5.2E-06
8.0E-07	1.0E-03	6.6E-09	1.6E-01	5.5E-01	5.7E-10	1.5E+01	2.5E-06	1.0E-03	3.9E-08	1.6E-01	5.5E-01	3.4E-09	1.5E+01	5.2E-06
8.0E-07	1.0E-03	6.0E-09	1.6E-01	5.5E-01	5.2E-10	1.3E+01	2.5E-06	1.0E-03	3.4E-08	1.6E-01	5.5E-01	2.9E-09	1.3E+01	5.2E-06
8.0E-07	1.0E-03	4.7E-09	1.6E-01	5.5E-01	4.0E-10	8.7E+00	2.5E-06	1.0E-03	2.3E-08	1.6E-01	5.5E-01	2.0E-09	8.7E+00	5.2E-06
8.0E-07	1.0E-03	3.5E-09	1.6E-01	5.5E-01	3.0E-10	5.7E+00	2.5E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-01	1.3E-09	5.7E+00	5.2E-06
8.0E-07	1.0E-03	2.6E-09	1.6E-01	5.5E-01	2.2E-10	3.9E+00	2.5E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-01	8.8E-10	3.9E+00	5.2E-06

8.0E-07	1.0E-03	1.9E-09	1.6E-01	5.5E-01	1.7E-10	2.7E+00	2.5E-06	1.0E-03	7.2E-09	1.6E-01	5.5E-01	6.2E-10	2.7E+00	5.2E-06
8.0E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-01	1.3E-10	2.0E+00	2.5E-06	1.0E-03	5.2E-09	1.6E-01	5.5E-01	4.5E-10	2.0E+00	5.2E-06
8.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-01	9.8E-11	1.5E+00	2.5E-06	1.0E-03	3.9E-09	1.6E-01	5.5E-01	3.4E-10	1.5E+00	5.2E-06
8.0E-07	1.0E-03	9.0E-10	1.6E-01	5.5E-01	7.7E-11	1.2E+00	2.5E-06	1.0E-03	3.0E-09	1.6E-01	5.5E-01	2.6E-10	1.2E+00	5.2E-06
8.0E-07	1.0E-03	6.2E-10	1.6E-01	5.5E-01	5.4E-11	6.8E-01	2.5E-06	1.0E-03	1.8E-09	1.6E-01	5.5E-01	1.5E-10	6.8E-01	5.2E-06
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8.0E-07	1.0E-03	2.2E-09	1.6E-01	5.5E-01	1.9E-10	2.5E+00	2.5E-06	1.0E-03	6.5E-09	1.6E-01	5.5E-01	5.6E-10	2.5E+00	5.2E-06
8.0E-07	1.0E-03	4.3E-09	1.6E-01	5.5E-01	3.7E-10	5.0E+00	2.5E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-01	1.1E-09	5.0E+00	5.2E-06
8.0E-07	1.0E-03	9.7E-09	1.6E-01	5.5E-01	8.4E-10	1.4E+01	2.5E-06	1.0E-03	3.7E-08	1.6E-01	5.5E-01	3.2E-09	1.4E+01	5.2E-06
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8.0E-07	1.0E-03	1.7E-08	1.6E-01	5.5E-01	1.4E-09	6.1E+01	2.5E-06	1.0E-03	1.6E-07	1.6E-01	5.5E-01	1.4E-08	6.1E+01	5.2E-06
8.0E-07	1.0E-03	1.0E-08	1.6E-01	5.5E-01	8.7E-10	2.4E+01	2.5E-06	1.0E-03	6.3E-08	1.6E-01	5.5E-01	5.4E-09	2.4E+01	5.2E-06
8.0E-07	1.0E-03	6.1E-09	1.6E-01	5.5E-01	5.3E-10	1.1E+01	2.5E-06	1.0E-03	2.9E-08	1.6E-01	5.5E-01	2.5E-09	1.1E+01	5.2E-06
8.0E-07	1.0E-03	3.9E-09	1.6E-01	5.5E-01	3.4E-10	6.0E+00	2.5E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-01	1.4E-09	6.0E+00	5.2E-06
8.0E-07	1.0E-03	2.7E-09	1.6E-01	5.5E-01	2.3E-10	3.8E+00	2.5E-06	1.0E-03	9.9E-09	1.6E-01	5.5E-01	8.5E-10	3.8E+00	5.2E-06
8.0E-07	1.0E-03	1.9E-09	1.6E-01	5.5E-01	1.6E-10	2.5E+00	2.5E-06	1.0E-03	6.6E-09	1.6E-01	5.5E-01	5.7E-10	2.5E+00	5.2E-06
8.0E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-01	1.2E-10	1.8E+00	2.5E-06	1.0E-03	4.7E-09	1.6E-01	5.5E-01	4.1E-10	1.8E+00	5.2E-06
8.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-01	9.2E-11	1.3E+00	2.5E-06	1.0E-03	3.5E-09	1.6E-01	5.5E-01	3.0E-10	1.3E+00	5.2E-06
8.0E-07	1.0E-03	8.4E-10	1.6E-01	5.5E-01	7.2E-11	1.0E+00	2.5E-06	1.0E-03	2.7E-09	1.6E-01	5.5E-01	2.3E-10	1.0E+00	5.2E-06
8.0E-07	1.0E-03	6.5E-10	1.6E-01	5.5E-01	5.6E-11	6.9E-01	2.5E-06	1.0E-03	1.8E-09	1.6E-01	5.5E-01	1.5E-10	6.9E-01	5.2E-06
8.0E-07	1.0E-03	9.5E-10	1.6E-01	5.5E-01	8.2E-11	9.7E-01	2.5E-06	1.0E-03	2.5E-09	1.6E-01	5.5E-01	2.2E-10	9.7E-01	5.2E-06
8.0E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-01	1.3E-10	1.5E+00	2.5E-06	1.0E-03	3.9E-09	1.6E-01	5.5E-01	3.4E-10	1.5E+00	5.2E-06
8.0E-07	1.0E-03	2.7E-09	1.6E-01	5.5E-01	2.4E-10	2.6E+00	2.5E-06	1.0E-03	6.7E-09	1.6E-01	5.5E-01	5.8E-10	2.6E+00	5.2E-06
8.0E-07	1.0E-03	6.3E-09	1.6E-01	5.5E-01	5.4E-10	5.5E+00	2.5E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-01	1.2E-09	5.5E+00	5.2E-06
8.0E-07	1.0E-03	6.4E-09	1.6E-01	5.5E-01	5.5E-10	9.6E+00	2.5E-06	1.0E-03	2.5E-08	1.6E-01	5.5E-01	2.2E-09	9.6E+00	5.2E-06
8.0E-07	1.0E-03	3.8E-09	1.6E-01	5.5E-01	3.2E-10	5.1E+00	2.5E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-01	1.2E-09	5.1E+00	5.2E-06
8.0E-07	1.0E-03	2.5E-09	1.6E-01	5.5E-01	2.1E-10	3.2E+00	2.5E-06	1.0E-03	8.3E-09	1.6E-01	5.5E-01	7.2E-10	3.2E+00	5.2E-06
8.0E-07	1.0E-03	1.7E-09	1.6E-01	5.5E-01	1.5E-10	2.1E+00	2.5E-06	1.0E-03	5.6E-09	1.6E-01	5.5E-01	4.9E-10	2.1E+00	5.2E-06
8.0E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-01	1.1E-10	1.5E+00	2.5E-06	1.0E-03	4.1E-09	1.6E-01	5.5E-01	3.5E-10	1.5E+00	5.2E-06
8.0E-07	1.0E-03	9.5E-10	1.6E-01	5.5E-01	8.2E-11	1.2E+00	2.5E-06	1.0E-03	3.1E-09	1.6E-01	5.5E-01	2.6E-10	1.2E+00	5.2E-06
8.0E-07	1.0E-03	7.5E-10	1.6E-01	5.5E-01	6.4E-11	9.0E-01	2.5E-06	1.0E-03	2.4E-09	1.6E-01	5.5E-01	2.0E-10	9.0E-01	5.2E-06
8.0E-07	1.0E-03	6.5E-10	1.6E-01	5.5E-01	5.6E-11	6.6E-01	2.5E-06	1.0E-03	1.7E-09	1.6E-01	5.5E-01	1.5E-10	6.6E-01	5.2E-06
8.0E-07	1.0E-03	9.4E-10	1.6E-01	5.5E-01	8.1E-11	9.1E-01	2.5E-06	1.0E-03	2.4E-09	1.6E-01	5.5E-01	2.1E-10	9.1E-01	5.2E-06
8.0E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-01	1.3E-10	1.4E+00	2.5E-06	1.0E-03	3.6E-09	1.6E-01	5.5E-01	3.1E-10	1.4E+00	5.2E-06
8.0E-07	1.0E-03	2.7E-09	1.6E-01	5.5E-01	2.3E-10	2.2E+00	2.5E-06	1.0E-03	5.8E-09	1.6E-01	5.5E-01	5.0E-10	2.2E+00	5.2E-06
8.0E-07	1.0E-03	6.2E-09	1.6E-01	5.5E-01	5.3E-10	4.1E+00	2.5E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.2E-10	4.1E+00	5.2E-06
8.0E-07	1.0E-03	5.3E-09	1.6E-01	5.5E-01	4.5E-10	6.4E+00	2.5E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-01	1.5E-09	6.4E+00	5.2E-06
8.0E-07	1.0E-03	3.1E-09	1.6E-01	5.5E-01	2.7E-10	3.9E+00	2.5E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-01	8.7E-10	3.9E+00	5.2E-06
8.0E-07	1.0E-03	2.0E-09	1.6E-01	5.5E-01	1.7E-10	2.5E+00	2.5E-06	1.0E-03	6.5E-09	1.6E-01	5.5E-01	5.6E-10	2.5E+00	5.2E-06
8.0E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-01	1.2E-10	1.8E+00	2.5E-06	1.0E-03	4.6E-09	1.6E-01	5.5E-01	4.0E-10	1.8E+00	5.2E-06
8.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-01	9.2E-11	1.3E+00	2.5E-06	1.0E-03	3.4E-09	1.6E-01	5.5E-01	2.9E-10	1.3E+00	5.2E-06
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8.0E-07	1.0E-03	6.5E-10	1.6E-01	5.5E-01	5.6E-11	7.8E-01	2.5E-06	1.0E-03	2.1E-09	1.6E-01	5.5E-01	1.8E-10	7.8E-01	5.2E-06
8.0E-07	1.0E-03	6.2E-10	1.6E-01	5.5E-01	5.3E-11	6.1E-01	2.5E-06	1.0E-03	1.6E-09	1.6E-01	5.5E-01	1.4E-10	6.1E-01	5.2E-06
8.0E-07	1.0E-03	8.7E-10	1.6E-01	5.5E-01	7.5E-11	8.2E-01	2.5E-06	1.0E-03	2.1E-09	1.6E-01	5.5E-01	1.8E-10	8.2E-01	5.2E-06
8.0E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-01	1.1E-10	1.1E+00	2.5E-06	1.0E-03	3.0E-09	1.6E-01	5.5E-01	2.6E-10	1.1E+00	5.2E-06
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8.0E-07	1.0E-03	3.7E-09	1.6E-01	5.5E-01	3.2E-10	4.2E+00	2.5E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.4E-10	4.2E+00	5.2E-06
8.0E-07	1.0E-03	2.4E-09	1.6E-01	5.5E-01	2.0E-10	2.8E+00	2.5E-06	1.0E-03	7.5E-09	1.6E-01	5.5E-01	6.4E-10	2.8E+00	5.2E-06
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8.0E-07	1.0E-03	9.1E-10	1.6E-01	5.5E-01	7.9E-11	1.1E+00	2.5E-06	1.0E-03	2.9E-09	1.6E-01	5.5E-01	2.5E-10	1.1E+00	5.2E-06
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8.0E-07	1.0E-03	2.6E-09	1.6E-01	5.5E-01	2.2E-10	1.9E+00	2.5E-06	1.0E-03	4.9E-09	1.6E-01	5.5E-01	4.2E-10	1.9E+00	5.2E-06
8.0E-07	1.0E-03	2.8E-09	1.6E-01	5.5E-01	2.4E-10	3.0E+00	2.5E-06	1.0E-03	7.8E-09	1.6E-01	5.5E-01	6.7E-10	3.0E+00	5.2E-06
8.0E-07	1.0E-03	1.9E-09	1.6E-01	5.5E-01	1.6E-10	2.2E+00	2.5E-06	1.0E-03	5.8E-09	1.6E-01	5.5E-01	5.0E-10	2.2E+00	5.2E-06
8.0E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-01	1.2E-10	1.6E+00	2.5E-06	1.0E-03	4.3E-09	1.6E-01	5.5E-01	3.7E-10	1.6E+00	5.2E-06
8.0E-07	1.0E-03	1.0E-09	1.6E-01	5.5E-01	8.9E-11	1.3E+00	2.5E-06	1.0E-03	3.3E-09	1.6E-01	5.5E-01	2.9E-10	1.3E+00	5.2E-06
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8.0E-07	1.0E-03	6.3E-10	1.6E-01	5.5E-01	5.4E-11	7.8E-01	2.5E-06	1.0E-03	2.0E-09	1.6E-01	5.5E-01	1.8E-10	7.8E-01	5.2E-06
8.0E-07	1.0E-03	5.1E-10	1.6E-01	5.5E-01	4.4E-11	6.3E-01	2.5E-06	1.0E-03	1.6E-09	1.6E-01	5.5E-01	1.4E-10	6.3E-01	5.2E-06
8.0E-07	1.0E-03	4.9E-10	1.6E-01	5.5E-01	4.2E-11	4.7E-01	2.5E-06	1.0E-03	1.2E-09	1.6E-01	5.5E-01	1.1E-10	4.7E-01	5.2E-06
8.0E-07	1.0E-03	6.3E-10	1.6E-01	5.5E-01	5.4E-11	5.9E-01	2.5E-06	1.0E-03	1.6E-09	1.6E-01	5.5E-01	1.3E-10	5.9E-01	5.2E-06
8.0E-07	1.0E-03	8.5E-10	1.6E-01	5.5E-01	7.3E-11	7.6E-01	2.5E-06	1.0E-03	2.0E-09	1.6E-01	5.5E-01	1.7E-10	7.6E-01	5.2E-06
8.0E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-01	1.0E-10	1.0E+00	2.5E-06	1.0E-03	2.6E-09	1.6E-01	5.5E-01	2.3E-10	1.0E+00	5.2E-06
8.0E-07	1.0E-03	1.7E-09	1.6E-01	5.5E-01	1.5E-10	1.4E+00	2.5E-06	1.0E-03	3.6E-09	1.6E-01	5.5E-01	3.1E-10	1.4E+00	5.2E-06
8.0E-07	1.0E-03	2.4E-09	1.6E-01	5.5E-01	2.1E-10	1.8E+00	2.5E-06	1.0E-03	4.8E-09	1.6E-01	5.5E-01	4.1E-10	1.8E+00	5.2E-06
8.0E-07	1.0E-03	3.0E-09	1.6E-01	5.5E-01	2.6E-10	2.2E+00	2.5E-06	1.0E-03	5.9E-09	1.6E-01	5.5E-01	5.1E-10	2.2E+00	5.2E-06
8.0E-07	1.0E-03	3.0E-09	1.6E-01	5.5E-01	2.6E-10	2.5E+00	2.5E-06	1.0E-03	6.5E-09	1.6E-01	5.5E-01	5.6E-10	2.5E+00	5.2E-06
8.0E-07	1.0E-03	2.6E-09	1.6E-01	5.5E-01	2.3E-10	2.4E+00	2.5E-06	1.0E-03	6.3E-09	1.6E-01	5.5E-01	5.5E-10	2.4E+00	5.2E-06
8.0E-07	1.0E-03	2.1E-09	1.6E-01	5.5E-01	1.8E-10	2.1E+00	2.5E-06	1.0E-03	5.6E-09	1.6E-01	5.5E-01	4.8E-10	2.1E+00	5.2E-06
8.0E-07	1.0E-03	1.6E-09	1.6E-01	5.5E-01	1.3E-10	1.7E+00	2.5E-06	1.0E-03	4.6E-09	1.6E-01	5.5E-01	3.9E-10	1.7E+00	5.2E-06
8.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-01	9.6E-11	1.3E+00	2.5E-06	1.0E-03	3.5E-09	1.6E-01	5.5E-01	3.0E-10	1.3E+00	5.2E-06
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8.0E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-01	1.1E-10	1.0E+00	2.5E-06	1.0E-03	2.7E-09	1.6E-01	5.5E-01	2.3E-10	1.0E+00	5.2E-06
8.0E-07	1.0E-03	1.6E-09	1.6E-01	5.5E-01	1.3E-10	1.3E+00	2.5E-06	1.0E-03	3.4E-09	1.6E-01	5.5E-01	2.9E-10	1.3E+00	5.2E-06
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8.0E-07	1.0E-03	1.9E-09	1.6E-01	5.5E-01	1.7E-10	1.7E+00	2.5E-06	1.0E-03	4.4E-09	1.6E-01	5.5E-01	3.8E-10	1.7E+00	5.2E-06
8.0E-07	1.0E-03	1.8E-09	1.6E-01	5.5E-01	1.5E-10	1.7E+00	2.5E-06	1.0E-03	4.4E-09	1.6E-01	5.5E-01	3.8E-10	1.7E+00	5.2E-06
8.0E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-01	1.3E-10	1.6E+00	2.5E-06	1.0E-03	4.1E-09	1.6E-01	5.5E-01	3.5E-10	1.6E+00	5.2E-06
8.0E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-01	1.1E-10	1.4E+00	2.5E-06	1.0E-03	3.6E-09	1.6E-01	5.5E-01	3.1E-10	1.4E+00	5.2E-06
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8.0E-07	1.0E-03	5.2E-10	1.6E-01	5.5E-01	4.5E-11	6.4E-01	2.5E-06	1.0E-03	1.7E-09	1.6E-01	5.5E-01	1.4E-10	6.4E-01	5.2E-06
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8.0E-07	1.0E-03	3.7E-10	1.6E-01	5.5E-01	3.1E-11	3.6E-01	2.5E-06	1.0E-03	9.5E-10	1.6E-01	5.5E-01	8.2E-11	3.6E-01	5.2E-06
8.0E-07	1.0E-03	4.5E-10	1.6E-01	5.5E-01	3.9E-11	4.3E-01	2.5E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-01	9.8E-11	4.3E-01	5.2E-06
8.0E-07	1.0E-03	5.6E-10	1.6E-01	5.5E-01	4.8E-11	5.3E-01	2.5E-06	1.0E-03	1.4E-09	1.6E-01	5.5E-01	1.2E-10	5.3E-01	5.2E-06
8.0E-07	1.0E-03	7.1E-10	1.6E-01	5.5E-01	6.2E-11	6.5E-01	2.5E-06	1.0E-03	1.7E-09	1.6E-01	5.5E-01	1.5E-10	6.5E-01	5.2E-06
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8.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-01	9.4E-11	9.6E-01	2.5E-06	1.0E-03	2.5E-09	1.6E-01	5.5E-01	2.2E-10	9.6E-01	5.2E-06
8.0E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-01	1.1E-10	1.1E+00	2.5E-06	1.0E-03	2.9E-09	1.6E-01	5.5E-01	2.5E-10	1.1E+00	5.2E-06
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8.0E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-01	1.1E-10	1.2E+00	2.5E-06	1.0E-03	3.2E-09	1.6E-01	5.5E-01	2.8E-10	1.2E+00	5.2E-06
8.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-01	9.8E-11	1.2E+00	2.5E-06	1.0E-03	3.0E-09	1.6E-01	5.5E-01	2.6E-10	1.2E+00	5.2E-06
8.0E-07	1.0E-03	9.5E-10	1.6E-01	5.5E-01	8.2E-11	1.0E+00	2.5E-06	1.0E-03	2.7E-09	1.6E-01	5.5E-01	2.3E-10	1.0E+00	5.2E-06
8.0E-07	1.0E-03	8.1E-10	1.6E-01	5.5E-01	6.9E-11	9.0E-01	2.5E-06	1.0E-03	2.4E-09	1.6E-01	5.5E-01	2.0E-10	9.0E-01	5.2E-06
8.0E-07	1.0E-03	6.7E-10	1.6E-01	5.5E-01	5.7E-11	7.8E-01	2.5E-06	1.0E-03	2.0E-09	1.6E-01	5.5E-01	1.8E-10	7.8E-01	5.2E-06
8.0E-07	1.0E-03	5.4E-10	1.6E-01	5.5E-01	4.6E-11	6.4E-01	2.5E-06	1.0E-03	1.7E-09	1.6E-01	5.5E-01	1.5E-10	6.4E-01	5.2E-06
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8.0E-07	1.0E-03	1.6E-08	1.6E-01	5.5E-01	1.4E-09	3.2E+01	2.5E-06	1.0E-03	8.4E-08	1.6E-01	5.5E-01	7.2E-09	3.2E+01	5.2E-06
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8.0E-07	1.0E-03	2.0E-08	1.6E-01	5.5E-01	1.7E-09	5.4E+01	2.5E-06	1.0E-03	1.4E-07	1.6E-01	5.5E-01	1.2E-08	5.4E+01	5.2E-06
8.0E-07	1.0E-03	2.0E-08	1.6E-01	5.5E-01	1.8E-09	6.3E+01	2.5E-06	1.0E-03	1.7E-07	1.6E-01	5.5E-01	1.4E-08	6.3E+01	5.2E-06
8.0E-07	1.0E-03	2.0E-08	1.6E-01	5.5E-01	1.8E-09	6.8E+01	2.5E-06	1.0E-03	1.8E-07	1.6E-01	5.5E-01	1.5E-08	6.8E+01	5.2E-06
8.0E-07	1.0E-03	1.9E-08	1.6E-01	5.5E-01	1.7E-09	7.0E+01	2.5E-06	1.0E-03	1.8E-07	1.6E-01	5.5E-01	1.6E-08	7.0E+01	5.2E-06
8.0E-07	1.0E-03	1.8E-08	1.6E-01	5.5E-01	1.6E-09	6.8E+01	2.5E-06	1.0E-03	1.8E-07	1.6E-01	5.5E-01	1.5E-08	6.8E+01	5.2E-06
8.0E-07	1.0E-03	1.7E-08	1.6E-01	5.5E-01	1.4E-09	6.1E+01	2.5E-06	1.0E-03	1.6E-07	1.6E-01	5.5E-01	1.4E-08	6.1E+01	5.2E-06
8.0E-07	1.0E-03	1.5E-08	1.6E-01	5.5E-01	1.3E-09	5.1E+01	2.5E-06	1.0E-03	1.3E-07	1.6E-01	5.5E-01	1.2E-08	5.1E+01	5.2E-06
8.0E-07	1.0E-03	1.4E-08	1.6E-01	5.5E-01	1.2E-09	4.2E+01	2.5E-06	1.0E-03	1.1E-07	1.6E-01	5.5E-01	9.6E-09	4.2E+01	5.2E-06
8.0E-07	1.0E-03	1.2E-08	1.6E-01	5.5E-01	1.1E-09	3.5E+01	2.5E-06	1.0E-03	9.1E-08	1.6E-01	5.5E-01	7.8E-09	3.5E+01	5.2E-06
8.0E-07	1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.7E-10	2.9E+01	2.5E-06	1.0E-03	7.5E-08	1.6E-01	5.5E-01	6.5E-09	2.9E+01	5.2E-06
8.0E-07	1.0E-03	1.0E-08	1.6E-01	5.5E-01	8.7E-10	2.4E+01	2.5E-06	1.0E-03	6.3E-08	1.6E-01	5.5E-01	5.4E-09	2.4E+01	5.2E-06

8.0E-07	1.0E-03	9.1E-09	1.6E-01	5.5E-01	7.9E-10	2.0E+01	2.5E-06	1.0E-03	5.3E-08	1.6E-01	5.5E-01	4.5E-09	2.0E+01	5.2E-06
8.0E-07	1.0E-03	8.3E-09	1.6E-01	5.5E-01	7.1E-10	1.7E+01	2.5E-06	1.0E-03	4.5E-08	1.6E-01	5.5E-01	3.9E-09	1.7E+01	5.2E-06
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8.0E-07	1.0E-03	6.8E-09	1.6E-01	5.5E-01	5.8E-10	1.3E+01	2.5E-06	1.0E-03	3.3E-08	1.6E-01	5.5E-01	2.8E-09	1.3E+01	5.2E-06
8.0E-07	1.0E-03	6.1E-09	1.6E-01	5.5E-01	5.3E-10	1.1E+01	2.5E-06	1.0E-03	2.9E-08	1.6E-01	5.5E-01	2.5E-09	1.1E+01	5.2E-06
8.0E-07	1.0E-03	5.6E-09	1.6E-01	5.5E-01	4.8E-10	9.6E+00	2.5E-06	1.0E-03	2.5E-08	1.6E-01	5.5E-01	2.2E-09	9.6E+00	5.2E-06
8.0E-07	1.0E-03	5.1E-09	1.6E-01	5.5E-01	4.4E-10	8.5E+00	2.5E-06	1.0E-03	2.2E-08	1.6E-01	5.5E-01	1.9E-09	8.5E+00	5.2E-06
8.0E-07	1.0E-03	4.7E-09	1.6E-01	5.5E-01	4.0E-10	7.5E+00	2.5E-06	1.0E-03	2.0E-08	1.6E-01	5.5E-01	1.7E-09	7.5E+00	5.2E-06
8.0E-07	1.0E-03	4.3E-09	1.6E-01	5.5E-01	3.7E-10	6.7E+00	2.5E-06	1.0E-03	1.8E-08	1.6E-01	5.5E-01	1.5E-09	6.7E+00	5.2E-06
8.0E-07	1.0E-03	3.9E-09	1.6E-01	5.5E-01	3.4E-10	6.0E+00	2.5E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-01	1.4E-09	6.0E+00	5.2E-06
8.0E-07	1.0E-03	1.2E-08	1.6E-01	5.5E-01	1.0E-09	1.6E+01	2.5E-06	1.0E-03	4.3E-08	1.6E-01	5.5E-01	3.7E-09	1.6E+01	5.2E-06
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8.0E-07	1.0E-03	1.8E-08	1.6E-01	5.5E-01	1.5E-09	3.0E+01	2.5E-06	1.0E-03	7.9E-08	1.6E-01	5.5E-01	6.8E-09	3.0E+01	5.2E-06
8.0E-07	1.0E-03	2.2E-08	1.6E-01	5.5E-01	1.9E-09	4.3E+01	2.5E-06	1.0E-03	1.1E-07	1.6E-01	5.5E-01	9.7E-09	4.3E+01	5.2E-06
8.0E-07	1.0E-03	2.6E-08	1.6E-01	5.5E-01	2.2E-09	1.5E+01	2.5E-06	1.0E-03	4.0E-08	1.6E-01	5.5E-01	3.5E-09	1.5E+01	5.2E-06
8.0E-07	1.0E-03	2.8E-08	1.6E-01	5.5E-01	2.4E-09	2.2E+01	2.5E-06	1.0E-03	5.7E-08	1.6E-01	5.5E-01	4.9E-09	2.2E+01	5.2E-06
8.0E-07	1.0E-03	2.9E-08	1.6E-01	5.5E-01	2.5E-09	3.2E+01	2.5E-06	1.0E-03	8.3E-08	1.6E-01	5.5E-01	7.2E-09	3.2E+01	5.2E-06
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8.0E-07	1.0E-03	2.5E-08	1.6E-01	5.5E-01	2.2E-09	4.7E+01	2.5E-06	1.0E-03	1.2E-07	1.6E-01	5.5E-01	1.1E-08	4.7E+01	5.2E-06
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8.0E-07	1.0E-03	2.0E-08	1.6E-01	5.5E-01	1.7E-09	2.6E+01	2.5E-06	1.0E-03	6.9E-08	1.6E-01	5.5E-01	6.0E-09	2.6E+01	5.2E-06
8.0E-07	1.0E-03	1.8E-08	1.6E-01	5.5E-01	1.5E-09	6.8E+01	2.5E-06	1.0E-03	1.8E-07	1.6E-01	5.5E-01	1.5E-08	6.8E+01	5.2E-06
8.0E-07	1.0E-03	1.6E-08	1.6E-01	5.5E-01	1.3E-09	5.2E+01	2.5E-06	1.0E-03	1.4E-07	1.6E-01	5.5E-01	1.2E-08	5.2E+01	5.2E-06
8.0E-07	1.0E-03	1.4E-08	1.6E-01	5.5E-01	1.2E-09	4.0E+01	2.5E-06	1.0E-03	1.1E-07	1.6E-01	5.5E-01	9.0E-09	4.0E+01	5.2E-06
8.0E-07	1.0E-03	1.2E-08	1.6E-01	5.5E-01	1.1E-09	3.2E+01	2.5E-06	1.0E-03	8.3E-08	1.6E-01	5.5E-01	7.1E-09	3.2E+01	5.2E-06
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8.0E-07	1.0E-03	5.7E-09	1.6E-01	5.5E-01	4.9E-10	9.6E+00	2.5E-06	1.0E-03	2.5E-08	1.6E-01	5.5E-01	2.2E-09	9.6E+00	5.2E-06
8.0E-07	1.0E-03	5.2E-09	1.6E-01	5.5E-01	4.5E-10	8.4E+00	2.5E-06	1.0E-03	2.2E-08	1.6E-01	5.5E-01	1.9E-09	8.4E+00	5.2E-06
8.0E-07	1.0E-03	4.7E-09	1.6E-01	5.5E-01	4.1E-10	7.4E+00	2.5E-06	1.0E-03	2.0E-08	1.6E-01	5.5E-01	1.7E-09	7.4E+00	5.2E-06
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8.0E-07	1.0E-03	4.0E-09	1.6E-01	5.5E-01	3.4E-10	5.9E+00	2.5E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-01	1.3E-09	5.9E+00	5.2E-06
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8.0E-07	1.0E-03	1.9E-08	1.6E-01	5.5E-01	1.6E-09	2.5E+01	2.5E-06	1.0E-03	6.5E-08	1.6E-01	5.5E-01	5.6E-09	2.5E+01	5.2E-06
8.0E-07	1.0E-03	2.4E-08	1.6E-01	5.5E-01	2.1E-09	3.7E+01	2.5E-06	1.0E-03	9.6E-08	1.6E-01	5.5E-01	8.3E-09	3.7E+01	5.2E-06
8.0E-07	1.0E-03	3.2E-08	1.6E-01	5.5E-01	2.7E-09	5.7E+01	2.5E-06	1.0E-03	1.5E-07	1.6E-01	5.5E-01	1.3E-08	5.7E+01	5.2E-06
8.0E-07	1.0E-03	4.0E-08	1.6E-01	5.5E-01	3.4E-09	1.8E+01	2.5E-06	1.0E-03	4.7E-08	1.6E-01	5.5E-01	4.1E-09	1.8E+01	5.2E-06
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8.0E-07	1.0E-03	3.9E-08	1.6E-01	5.5E-01	3.4E-09	0.0E+00	2.5E-06	1.0E-03	0.0E+00	1.6E-01	5.5E-01	0.0E+00	0.0E+00	5.2E-06
8.0E-07	1.0E-03	3.3E-08	1.6E-01	5.5E-01	2.9E-09	0.0E+00	2.5E-06	1.0E-03	0.0E+00	1.6E-01	5.5E-01	0.0E+00	0.0E+00	5.2E-06
8.0E-07	1.0E-03	2.8E-08	1.6E-01	5.5E-01	2.4E-09	4.3E+01	2.5E-06	1.0E-03	1.1E-07	1.6E-01	5.5E-01	9.8E-09	4.3E+01	5.2E-06
8.0E-07	1.0E-03	2.4E-08	1.6E-01	5.5E-01	2.0E-09	3.0E+01	2.5E-06	1.0E-03	7.9E-08	1.6E-01	5.5E-01	6.8E-09	3.0E+01	5.2E-06
8.0E-07	1.0E-03	2.0E-08	1.6E-01	5.5E-01	1.8E-09	2.2E+01	2.5E-06	1.0E-03	5.9E-08	1.6E-01	5.5E-01	5.1E-09	2.2E+01	5.2E-06
8.0E-07	1.0E-03	1.8E-08	1.6E-01	5.5E-01	1.5E-09	6.1E+01	2.5E-06	1.0E-03	1.6E-07	1.6E-01	5.5E-01	1.4E-08	6.1E+01	5.2E-06

8.0E-07	1.0E-03	1.5E-08	1.6E-01	5.5E-01	1.3E-09	4.4E+01	2.5E-06	1.0E-03	1.2E-07	1.6E-01	5.5E-01	1.0E-08	4.4E+01	5.2E-06
8.0E-07	1.0E-03	1.3E-08	1.6E-01	5.5E-01	1.1E-09	3.4E+01	2.5E-06	1.0E-03	8.9E-08	1.6E-01	5.5E-01	7.6E-09	3.4E+01	5.2E-06
8.0E-07	1.0E-03	1.2E-08	1.6E-01	5.5E-01	1.0E-09	2.7E+01	2.5E-06	1.0E-03	7.0E-08	1.6E-01	5.5E-01	6.0E-09	2.7E+01	5.2E-06
8.0E-07	1.0E-03	1.0E-08	1.6E-01	5.5E-01	8.9E-10	2.2E+01	2.5E-06	1.0E-03	5.7E-08	1.6E-01	5.5E-01	4.9E-09	2.2E+01	5.2E-06
8.0E-07	1.0E-03	9.1E-09	1.6E-01	5.5E-01	7.8E-10	1.8E+01	2.5E-06	1.0E-03	4.7E-08	1.6E-01	5.5E-01	4.0E-09	1.8E+01	5.2E-06
8.0E-07	1.0E-03	8.1E-09	1.6E-01	5.5E-01	7.0E-10	1.5E+01	2.5E-06	1.0E-03	3.9E-08	1.6E-01	5.5E-01	3.4E-09	1.5E+01	5.2E-06
8.0E-07	1.0E-03	7.2E-09	1.6E-01	5.5E-01	6.2E-10	1.3E+01	2.5E-06	1.0E-03	3.3E-08	1.6E-01	5.5E-01	2.9E-09	1.3E+01	5.2E-06
8.0E-07	1.0E-03	6.4E-09	1.6E-01	5.5E-01	5.6E-10	1.1E+01	2.5E-06	1.0E-03	2.8E-08	1.6E-01	5.5E-01	2.5E-09	1.1E+01	5.2E-06
8.0E-07	1.0E-03	5.8E-09	1.6E-01	5.5E-01	5.0E-10	9.4E+00	2.5E-06	1.0E-03	2.5E-08	1.6E-01	5.5E-01	2.1E-09	9.4E+00	5.2E-06
8.0E-07	1.0E-03	5.2E-09	1.6E-01	5.5E-01	4.5E-10	8.2E+00	2.5E-06	1.0E-03	2.2E-08	1.6E-01	5.5E-01	1.9E-09	8.2E+00	5.2E-06
8.0E-07	1.0E-03	4.8E-09	1.6E-01	5.5E-01	4.1E-10	7.3E+00	2.5E-06	1.0E-03	1.9E-08	1.6E-01	5.5E-01	1.6E-09	7.3E+00	5.2E-06
8.0E-07	1.0E-03	4.3E-09	1.6E-01	5.5E-01	3.7E-10	6.5E+00	2.5E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-01	1.5E-09	6.5E+00	5.2E-06
8.0E-07	1.0E-03	4.0E-09	1.6E-01	5.5E-01	3.4E-10	5.8E+00	2.5E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-01	1.3E-09	5.8E+00	5.2E-06
8.0E-07	1.0E-03	1.8E-08	1.6E-01	5.5E-01	1.5E-09	1.9E+01	2.5E-06	1.0E-03	5.0E-08	1.6E-01	5.5E-01	4.3E-09	1.9E+01	5.2E-06
8.0E-07	1.0E-03	2.4E-08	1.6E-01	5.5E-01	2.1E-09	2.7E+01	2.5E-06	1.0E-03	7.1E-08	1.6E-01	5.5E-01	6.1E-09	2.7E+01	5.2E-06
8.0E-07	1.0E-03	3.3E-08	1.6E-01	5.5E-01	2.9E-09	4.1E+01	2.5E-06	1.0E-03	1.1E-07	1.6E-01	5.5E-01	9.3E-09	4.1E+01	5.2E-06
8.0E-07	1.0E-03	4.8E-08	1.6E-01	5.5E-01	4.1E-09	1.3E+01	2.5E-06	1.0E-03	3.4E-08	1.6E-01	5.5E-01	3.0E-09	1.3E+01	5.2E-06
8.0E-07	1.0E-03	1.9E-08	1.6E-01	5.5E-01	1.6E-09	2.0E+01	2.5E-06	1.0E-03	5.2E-08	1.6E-01	5.5E-01	4.5E-09	2.0E+01	5.2E-06
8.0E-07	1.0E-03	2.1E-08	1.6E-01	5.5E-01	1.8E-09	3.1E+01	2.5E-06	1.0E-03	8.2E-08	1.6E-01	5.5E-01	7.0E-09	3.1E+01	5.2E-06
8.0E-07	1.0E-03	2.1E-08	1.6E-01	5.5E-01	1.8E-09	0.0E+00	2.5E-06	1.0E-03	0.0E+00	1.6E-01	5.5E-01	0.0E+00	0.0E+00	5.2E-06
8.0E-07	1.0E-03	5.7E-08	1.6E-01	5.5E-01	4.9E-09	0.0E+00	2.5E-06	1.0E-03	0.0E+00	1.6E-01	5.5E-01	0.0E+00	0.0E+00	5.2E-06
8.0E-07	1.0E-03	4.3E-08	1.6E-01	5.5E-01	3.7E-09	0.0E+00	2.5E-06	1.0E-03	0.0E+00	1.6E-01	5.5E-01	0.0E+00	0.0E+00	5.2E-06
8.0E-07	1.0E-03	3.4E-08	1.6E-01	5.5E-01	2.9E-09	5.0E+01	2.5E-06	1.0E-03	1.3E-07	1.6E-01	5.5E-01	1.1E-08	5.0E+01	5.2E-06
8.0E-07	1.0E-03	2.8E-08	1.6E-01	5.5E-01	2.4E-09	3.2E+01	2.5E-06	1.0E-03	8.4E-08	1.6E-01	5.5E-01	7.3E-09	3.2E+01	5.2E-06
8.0E-07	1.0E-03	2.3E-08	1.6E-01	5.5E-01	2.0E-09	2.3E+01	2.5E-06	1.0E-03	6.1E-08	1.6E-01	5.5E-01	5.2E-09	2.3E+01	5.2E-06
8.0E-07	1.0E-03	1.9E-08	1.6E-01	5.5E-01	1.7E-09	6.8E+01	2.5E-06	1.0E-03	1.8E-07	1.6E-01	5.5E-01	1.5E-08	6.8E+01	5.2E-06
8.0E-07	1.0E-03	1.6E-08	1.6E-01	5.5E-01	1.4E-09	4.6E+01	2.5E-06	1.0E-03	1.2E-07	1.6E-01	5.5E-01	1.1E-08	4.6E+01	5.2E-06
8.0E-07	1.0E-03	1.4E-08	1.6E-01	5.5E-01	1.2E-09	3.4E+01	2.5E-06	1.0E-03	9.0E-08	1.6E-01	5.5E-01	7.8E-09	3.4E+01	5.2E-06
8.0E-07	1.0E-03	1.2E-08	1.6E-01	5.5E-01	1.1E-09	2.7E+01	2.5E-06	1.0E-03	7.0E-08	1.6E-01	5.5E-01	6.0E-09	2.7E+01	5.2E-06
8.0E-07	1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.2E-10	2.1E+01	2.5E-06	1.0E-03	5.6E-08	1.6E-01	5.5E-01	4.9E-09	2.1E+01	5.2E-06
8.0E-07	1.0E-03	9.4E-09	1.6E-01	5.5E-01	8.1E-10	1.8E+01	2.5E-06	1.0E-03	4.6E-08	1.6E-01	5.5E-01	4.0E-09	1.8E+01	5.2E-06
8.0E-07	1.0E-03	8.3E-09	1.6E-01	5.5E-01	7.1E-10	1.5E+01	2.5E-06	1.0E-03	3.8E-08	1.6E-01	5.5E-01	3.3E-09	1.5E+01	5.2E-06
8.0E-07	1.0E-03	7.3E-09	1.6E-01	5.5E-01	6.3E-10	1.2E+01	2.5E-06	1.0E-03	3.2E-08	1.6E-01	5.5E-01	2.8E-09	1.2E+01	5.2E-06
8.0E-07	1.0E-03	6.5E-09	1.6E-01	5.5E-01	5.6E-10	1.1E+01	2.5E-06	1.0E-03	2.8E-08	1.6E-01	5.5E-01	2.4E-09	1.1E+01	5.2E-06
8.0E-07	1.0E-03	5.8E-09	1.6E-01	5.5E-01	5.0E-10	9.2E+00	2.5E-06	1.0E-03	2.4E-08	1.6E-01	5.5E-01	2.1E-09	9.2E+00	5.2E-06
8.0E-07	1.0E-03	5.2E-09	1.6E-01	5.5E-01	4.5E-10	8.0E+00	2.5E-06	1.0E-03	2.1E-08	1.6E-01	5.5E-01	1.8E-09	8.0E+00	5.2E-06
8.0E-07	1.0E-03	4.7E-09	1.6E-01	5.5E-01	4.1E-10	7.0E+00	2.5E-06	1.0E-03	1.9E-08	1.6E-01	5.5E-01	1.6E-09	7.0E+00	5.2E-06
8.0E-07	1.0E-03	4.3E-09	1.6E-01	5.5E-01	3.7E-10	6.3E+00	2.5E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-01	1.4E-09	6.3E+00	5.2E-06
8.0E-07	1.0E-03	3.9E-09	1.6E-01	5.5E-01	3.4E-10	5.6E+00	2.5E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-01	1.3E-09	5.6E+00	5.2E-06
8.0E-07	1.0E-03	2.1E-08	1.6E-01	5.5E-01	1.8E-09	1.9E+01	2.5E-06	1.0E-03	5.0E-08	1.6E-01	5.5E-01	4.3E-09	1.9E+01	5.2E-06
8.0E-07	1.0E-03	3.0E-08	1.6E-01	5.5E-01	2.5E-09	2.7E+01	2.5E-06	1.0E-03	7.2E-08	1.6E-01	5.5E-01	6.2E-09	2.7E+01	5.2E-06
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8.0E-07	1.0E-03	2.3E-08	1.6E-01	5.5E-01	2.0E-09	1.3E+01	2.5E-06	1.0E-03	3.5E-08	1.6E-01	5.5E-01	3.0E-09	1.3E+01	5.2E-06
8.0E-07	1.0E-03	2.8E-08	1.6E-01	5.5E-01	2.4E-09	2.0E+01	2.5E-06	1.0E-03	5.2E-08	1.6E-01	5.5E-01	4.5E-09	2.0E+01	5.2E-06
8.0E-07	1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.4E-10	2.1E+01	2.5E-06	1.0E-03	5.4E-08	1.6E-01	5.5E-01	4.7E-09	2.1E+01	5.2E-06
8.0E-07	1.0E-03	9.5E-09	1.6E-01	5.5E-01	8.2E-10	1.7E+01	2.5E-06	1.0E-03	4.4E-08	1.6E-01	5.5E-01	3.8E-09	1.7E+01	5.2E-06
8.0E-07	1.0E-03	8.3E-09	1.6E-01	5.5E-01	7.2E-10	1.4E+01	2.5E-06	1.0E-03	3.7E-08	1.6E-01	5.5E-01	3.2E-09	1.4E+01	5.2E-06
8.0E-07	1.0E-03	7.3E-09	1.6E-01	5.5E-01	6.3E-10	1.2E+01	2.5E-06	1.0E-03	3.1E-08	1.6E-01	5.5E-01	2.7E-09	1.2E+01	5.2E-06
8.0E-07	1.0E-03	6.5E-09	1.6E-01	5.5E-01	5.6E-10	1.0E+01	2.5E-06	1.0E-03	2.7E-08	1.6E-01	5.5E-01	2.3E-09	1.0E+01	5.2E-06

8.0E-07	1.0E-03	5.8E-09	1.6E-01	5.5E-01	5.0E-10	8.8E+00	2.5E-06	1.0E-03	2.3E-08	1.6E-01	5.5E-01	2.0E-09	8.8E+00	5.2E-06
8.0E-07	1.0E-03	5.2E-09	1.6E-01	5.5E-01	4.5E-10	7.7E+00	2.5E-06	1.0E-03	2.0E-08	1.6E-01	5.5E-01	1.7E-09	7.7E+00	5.2E-06
8.0E-07	1.0E-03	4.7E-09	1.6E-01	5.5E-01	4.0E-10	6.8E+00	2.5E-06	1.0E-03	1.8E-08	1.6E-01	5.5E-01	1.5E-09	6.8E+00	5.2E-06
8.0E-07	1.0E-03	4.2E-09	1.6E-01	5.5E-01	3.7E-10	6.0E+00	2.5E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-01	1.4E-09	6.0E+00	5.2E-06
8.0E-07	1.0E-03	3.9E-09	1.6E-01	5.5E-01	3.3E-10	5.4E+00	2.5E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-01	1.2E-09	5.4E+00	5.2E-06
8.0E-07	1.0E-03	2.4E-08	1.6E-01	5.5E-01	2.0E-09	1.8E+01	2.5E-06	1.0E-03	4.8E-08	1.6E-01	5.5E-01	4.1E-09	1.8E+01	5.2E-06
8.0E-07	1.0E-03	3.5E-08	1.6E-01	5.5E-01	3.0E-09	2.6E+01	2.5E-06	1.0E-03	6.7E-08	1.6E-01	5.5E-01	5.8E-09	2.6E+01	5.2E-06
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8.0E-07	1.0E-03	3.5E-08	1.6E-01	5.5E-01	3.0E-09	1.2E+01	2.5E-06	1.0E-03	3.3E-08	1.6E-01	5.5E-01	2.8E-09	1.2E+01	5.2E-06
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8.0E-07	1.0E-03	6.4E-09	1.6E-01	5.5E-01	5.5E-10	9.6E+00	2.5E-06	1.0E-03	2.5E-08	1.6E-01	5.5E-01	2.2E-09	9.6E+00	5.2E-06
8.0E-07	1.0E-03	5.7E-09	1.6E-01	5.5E-01	4.9E-10	8.3E+00	2.5E-06	1.0E-03	2.2E-08	1.6E-01	5.5E-01	1.9E-09	8.3E+00	5.2E-06
8.0E-07	1.0E-03	5.1E-09	1.6E-01	5.5E-01	4.4E-10	7.3E+00	2.5E-06	1.0E-03	1.9E-08	1.6E-01	5.5E-01	1.6E-09	7.3E+00	5.2E-06
8.0E-07	1.0E-03	4.6E-09	1.6E-01	5.5E-01	4.0E-10	6.4E+00	2.5E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-01	1.5E-09	6.4E+00	5.2E-06
8.0E-07	1.0E-03	4.2E-09	1.6E-01	5.5E-01	3.6E-10	5.7E+00	2.5E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-01	1.3E-09	5.7E+00	5.2E-06
8.0E-07	1.0E-03	3.8E-09	1.6E-01	5.5E-01	3.2E-10	5.1E+00	2.5E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-01	1.2E-09	5.1E+00	5.2E-06
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8.0E-07	1.0E-03	3.8E-08	1.6E-01	5.5E-01	3.3E-09	2.2E+01	2.5E-06	1.0E-03	5.8E-08	1.6E-01	5.5E-01	5.0E-09	2.2E+01	5.2E-06
8.0E-07	1.0E-03	5.9E-08	1.6E-01	5.5E-01	5.1E-09	3.1E+01	2.5E-06	1.0E-03	8.1E-08	1.6E-01	5.5E-01	7.0E-09	3.1E+01	5.2E-06
8.0E-07	1.0E-03	1.4E-08	1.6E-01	5.5E-01	1.2E-09	4.5E+01	2.5E-06	1.0E-03	1.2E-07	1.6E-01	5.5E-01	1.0E-08	4.5E+01	5.2E-06
8.0E-07	1.0E-03	1.7E-08	1.6E-01	5.5E-01	1.4E-09	1.5E+01	2.5E-06	1.0E-03	4.0E-08	1.6E-01	5.5E-01	3.5E-09	1.5E+01	5.2E-06
8.0E-07	1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.4E-10	1.7E+01	2.5E-06	1.0E-03	4.5E-08	1.6E-01	5.5E-01	3.9E-09	1.7E+01	5.2E-06
8.0E-07	1.0E-03	9.4E-09	1.6E-01	5.5E-01	8.1E-10	1.4E+01	2.5E-06	1.0E-03	3.8E-08	1.6E-01	5.5E-01	3.3E-09	1.4E+01	5.2E-06
8.0E-07	1.0E-03	8.2E-09	1.6E-01	5.5E-01	7.0E-10	1.2E+01	2.5E-06	1.0E-03	3.2E-08	1.6E-01	5.5E-01	2.7E-09	1.2E+01	5.2E-06
8.0E-07	1.0E-03	7.1E-09	1.6E-01	5.5E-01	6.1E-10	1.0E+01	2.5E-06	1.0E-03	2.7E-08	1.6E-01	5.5E-01	2.3E-09	1.0E+01	5.2E-06
8.0E-07	1.0E-03	6.3E-09	1.6E-01	5.5E-01	5.4E-10	9.0E+00	2.5E-06	1.0E-03	2.4E-08	1.6E-01	5.5E-01	2.0E-09	9.0E+00	5.2E-06
8.0E-07	1.0E-03	5.6E-09	1.6E-01	5.5E-01	4.8E-10	7.8E+00	2.5E-06	1.0E-03	2.1E-08	1.6E-01	5.5E-01	1.8E-09	7.8E+00	5.2E-06
8.0E-07	1.0E-03	5.0E-09	1.6E-01	5.5E-01	4.3E-10	6.9E+00	2.5E-06	1.0E-03	1.8E-08	1.6E-01	5.5E-01	1.6E-09	6.9E+00	5.2E-06
8.0E-07	1.0E-03	4.5E-09	1.6E-01	5.5E-01	3.8E-10	6.1E+00	2.5E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-01	1.4E-09	6.1E+00	5.2E-06
8.0E-07	1.0E-03	4.0E-09	1.6E-01	5.5E-01	3.5E-10	5.4E+00	2.5E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-01	1.2E-09	5.4E+00	5.2E-06
8.0E-07	1.0E-03	3.7E-09	1.6E-01	5.5E-01	3.2E-10	4.9E+00	2.5E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-01	1.1E-09	4.9E+00	5.2E-06
8.0E-07	1.0E-03	2.7E-08	1.6E-01	5.5E-01	2.3E-09	1.5E+01	2.5E-06	1.0E-03	3.8E-08	1.6E-01	5.5E-01	3.3E-09	1.5E+01	5.2E-06
8.0E-07	1.0E-03	3.9E-08	1.6E-01	5.5E-01	3.4E-09	1.9E+01	2.5E-06	1.0E-03	4.9E-08	1.6E-01	5.5E-01	4.2E-09	1.9E+01	5.2E-06
8.0E-07	1.0E-03	6.2E-08	1.6E-01	5.5E-01	5.3E-09	2.5E+01	2.5E-06	1.0E-03	6.5E-08	1.6E-01	5.5E-01	5.6E-09	2.5E+01	5.2E-06
8.0E-07	1.0E-03	5.2E-08	1.6E-01	5.5E-01	4.5E-09	3.3E+01	2.5E-06	1.0E-03	8.6E-08	1.6E-01	5.5E-01	7.4E-09	3.3E+01	5.2E-06
8.0E-07	1.0E-03	2.8E-08	1.6E-01	5.5E-01	2.4E-09	4.4E+01	2.5E-06	1.0E-03	1.1E-07	1.6E-01	5.5E-01	9.9E-09	4.4E+01	5.2E-06
8.0E-07	1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.1E-10	1.5E+01	2.5E-06	1.0E-03	4.0E-08	1.6E-01	5.5E-01	3.5E-09	1.5E+01	5.2E-06
8.0E-07	1.0E-03	9.1E-09	1.6E-01	5.5E-01	7.9E-10	1.3E+01	2.5E-06	1.0E-03	3.4E-08	1.6E-01	5.5E-01	2.9E-09	1.3E+01	5.2E-06
8.0E-07	1.0E-03	7.9E-09	1.6E-01	5.5E-01	6.8E-10	1.1E+01	2.5E-06	1.0E-03	2.9E-08	1.6E-01	5.5E-01	2.5E-09	1.1E+01	5.2E-06
8.0E-07	1.0E-03	6.9E-09	1.6E-01	5.5E-01	6.0E-10	9.6E+00	2.5E-06	1.0E-03	2.5E-08	1.6E-01	5.5E-01	2.2E-09	9.6E+00	5.2E-06
8.0E-07	1.0E-03	6.1E-09	1.6E-01	5.5E-01	5.3E-10	8.3E+00	2.5E-06	1.0E-03	2.2E-08	1.6E-01	5.5E-01	1.9E-09	8.3E+00	5.2E-06
8.0E-07	1.0E-03	5.4E-09	1.6E-01	5.5E-01	4.7E-10	7.3E+00	2.5E-06	1.0E-03	1.9E-08	1.6E-01	5.5E-01	1.6E-09	7.3E+00	5.2E-06
8.0E-07	1.0E-03	4.8E-09	1.6E-01	5.5E-01	4.2E-10	6.4E+00	2.5E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-01	1.5E-09	6.4E+00	5.2E-06
8.0E-07	1.0E-03	4.3E-09	1.6E-01	5.5E-01	3.7E-10	5.7E+00	2.5E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-01	1.3E-09	5.7E+00	5.2E-06
8.0E-07	1.0E-03	3.9E-09	1.6E-01	5.5E-01	3.4E-10	5.1E+00	2.5E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-01	1.2E-09	5.1E+00	5.2E-06

8.0E-07	1.0E-03	3.5E-09	1.6E-01	5.5E-01	3.0E-10	4.6E+00	2.5E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-01	1.0E-09	4.6E+00	5.2E-06
8.0E-07	1.0E-03	2.7E-08	1.6E-01	5.5E-01	2.3E-09	1.3E+01	2.5E-06	1.0E-03	3.3E-08	1.6E-01	5.5E-01	2.8E-09	1.3E+01	5.2E-06
8.0E-07	1.0E-03	3.9E-08	1.6E-01	5.5E-01	3.4E-09	1.6E+01	2.5E-06	1.0E-03	4.1E-08	1.6E-01	5.5E-01	3.5E-09	1.6E+01	5.2E-06
8.0E-07	1.0E-03	6.1E-08	1.6E-01	5.5E-01	5.3E-09	2.0E+01	2.5E-06	1.0E-03	5.1E-08	1.6E-01	5.5E-01	4.4E-09	2.0E+01	5.2E-06
8.0E-07	1.0E-03	5.2E-08	1.6E-01	5.5E-01	4.5E-09	2.4E+01	2.5E-06	1.0E-03	6.4E-08	1.6E-01	5.5E-01	5.5E-09	2.4E+01	5.2E-06
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8.0E-07	1.0E-03	1.0E-08	1.6E-01	5.5E-01	8.8E-10	1.3E+01	2.5E-06	1.0E-03	3.5E-08	1.6E-01	5.5E-01	3.0E-09	1.3E+01	5.2E-06
8.0E-07	1.0E-03	8.8E-09	1.6E-01	5.5E-01	7.6E-10	1.2E+01	2.5E-06	1.0E-03	3.0E-08	1.6E-01	5.5E-01	2.6E-09	1.2E+01	5.2E-06
8.0E-07	1.0E-03	7.6E-09	1.6E-01	5.5E-01	6.5E-10	1.0E+01	2.5E-06	1.0E-03	2.6E-08	1.6E-01	5.5E-01	2.3E-09	1.0E+01	5.2E-06
8.0E-07	1.0E-03	6.7E-09	1.6E-01	5.5E-01	5.7E-10	8.7E+00	2.5E-06	1.0E-03	2.3E-08	1.6E-01	5.5E-01	2.0E-09	8.7E+00	5.2E-06
8.0E-07	1.0E-03	5.9E-09	1.6E-01	5.5E-01	5.0E-10	7.7E+00	2.5E-06	1.0E-03	2.0E-08	1.6E-01	5.5E-01	1.7E-09	7.7E+00	5.2E-06
8.0E-07	1.0E-03	5.2E-09	1.6E-01	5.5E-01	4.5E-10	6.8E+00	2.5E-06	1.0E-03	1.8E-08	1.6E-01	5.5E-01	1.5E-09	6.8E+00	5.2E-06
8.0E-07	1.0E-03	4.6E-09	1.6E-01	5.5E-01	4.0E-10	6.0E+00	2.5E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-01	1.4E-09	6.0E+00	5.2E-06
8.0E-07	1.0E-03	4.2E-09	1.6E-01	5.5E-01	3.6E-10	5.3E+00	2.5E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-01	1.2E-09	5.3E+00	5.2E-06
8.0E-07	1.0E-03	3.7E-09	1.6E-01	5.5E-01	3.2E-10	4.8E+00	2.5E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-01	1.1E-09	4.8E+00	5.2E-06
8.0E-07	1.0E-03	3.4E-09	1.6E-01	5.5E-01	2.9E-10	4.3E+00	2.5E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.8E-10	4.3E+00	5.2E-06
8.0E-07	1.0E-03	2.5E-08	1.6E-01	5.5E-01	2.2E-09	1.1E+01	2.5E-06	1.0E-03	2.8E-08	1.6E-01	5.5E-01	2.4E-09	1.1E+01	5.2E-06
8.0E-07	1.0E-03	3.7E-08	1.6E-01	5.5E-01	3.2E-09	1.3E+01	2.5E-06	1.0E-03	3.4E-08	1.6E-01	5.5E-01	2.9E-09	1.3E+01	5.2E-06
8.0E-07	1.0E-03	5.8E-08	1.6E-01	5.5E-01	5.0E-09	1.6E+01	2.5E-06	1.0E-03	4.1E-08	1.6E-01	5.5E-01	3.6E-09	1.6E+01	5.2E-06
8.0E-07	1.0E-03	1.2E-08	1.6E-01	5.5E-01	1.1E-09	1.9E+01	2.5E-06	1.0E-03	4.9E-08	1.6E-01	5.5E-01	4.3E-09	1.9E+01	5.2E-06
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8.0E-07	1.0E-03	9.6E-09	1.6E-01	5.5E-01	8.3E-10	1.2E+01	2.5E-06	1.0E-03	3.1E-08	1.6E-01	5.5E-01	2.7E-09	1.2E+01	5.2E-06
8.0E-07	1.0E-03	8.3E-09	1.6E-01	5.5E-01	7.1E-10	1.0E+01	2.5E-06	1.0E-03	2.7E-08	1.6E-01	5.5E-01	2.3E-09	1.0E+01	5.2E-06
8.0E-07	1.0E-03	7.2E-09	1.6E-01	5.5E-01	6.2E-10	9.0E+00	2.5E-06	1.0E-03	2.4E-08	1.6E-01	5.5E-01	2.0E-09	9.0E+00	5.2E-06
8.0E-07	1.0E-03	6.3E-09	1.6E-01	5.5E-01	5.4E-10	7.9E+00	2.5E-06	1.0E-03	2.1E-08	1.6E-01	5.5E-01	1.8E-09	7.9E+00	5.2E-06
8.0E-07	1.0E-03	5.6E-09	1.6E-01	5.5E-01	4.8E-10	7.0E+00	2.5E-06	1.0E-03	1.8E-08	1.6E-01	5.5E-01	1.6E-09	7.0E+00	5.2E-06
8.0E-07	1.0E-03	5.0E-09	1.6E-01	5.5E-01	4.3E-10	6.2E+00	2.5E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-01	1.4E-09	6.2E+00	5.2E-06
8.0E-07	1.0E-03	4.4E-09	1.6E-01	5.5E-01	3.8E-10	5.6E+00	2.5E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-01	1.3E-09	5.6E+00	5.2E-06
8.0E-07	1.0E-03	4.0E-09	1.6E-01	5.5E-01	3.4E-10	5.0E+00	2.5E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-01	1.1E-09	5.0E+00	5.2E-06
8.0E-07	1.0E-03	3.6E-09	1.6E-01	5.5E-01	3.1E-10	4.5E+00	2.5E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-01	1.0E-09	4.5E+00	5.2E-06
8.0E-07	1.0E-03	3.3E-09	1.6E-01	5.5E-01	2.8E-10	4.1E+00	2.5E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.2E-10	4.1E+00	5.2E-06
8.0E-07	1.0E-03	2.3E-08	1.6E-01	5.5E-01	2.0E-09	9.1E+00	2.5E-06	1.0E-03	2.4E-08	1.6E-01	5.5E-01	2.1E-09	9.1E+00	5.2E-06
8.0E-07	1.0E-03	3.3E-08	1.6E-01	5.5E-01	2.8E-09	1.1E+01	2.5E-06	1.0E-03	2.8E-08	1.6E-01	5.5E-01	2.4E-09	1.1E+01	5.2E-06
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8.0E-07	1.0E-03	3.2E-08	1.6E-01	5.5E-01	2.8E-09	1.5E+01	2.5E-06	1.0E-03	3.9E-08	1.6E-01	5.5E-01	3.4E-09	1.5E+01	5.2E-06
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8.0E-07	1.0E-03	9.0E-09	1.6E-01	5.5E-01	7.7E-10	1.0E+01	2.5E-06	1.0E-03	2.7E-08	1.6E-01	5.5E-01	2.3E-09	1.0E+01	5.2E-06
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8.0E-07	1.0E-03	6.0E-09	1.6E-01	5.5E-01	5.1E-10	7.2E+00	2.5E-06	1.0E-03	1.9E-08	1.6E-01	5.5E-01	1.6E-09	7.2E+00	5.2E-06
8.0E-07	1.0E-03	5.3E-09	1.6E-01	5.5E-01	4.5E-10	6.4E+00	2.5E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-01	1.5E-09	6.4E+00	5.2E-06
8.0E-07	1.0E-03	4.7E-09	1.6E-01	5.5E-01	4.1E-10	5.8E+00	2.5E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-01	1.3E-09	5.8E+00	5.2E-06
8.0E-07	1.0E-03	4.2E-09	1.6E-01	5.5E-01	3.6E-10	5.2E+00	2.5E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-01	1.2E-09	5.2E+00	5.2E-06
8.0E-07	1.0E-03	3.8E-09	1.6E-01	5.5E-01	3.3E-10	4.7E+00	2.5E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-01	1.1E-09	4.7E+00	5.2E-06
8.0E-07	1.0E-03	3.4E-09	1.6E-01	5.5E-01	3.0E-10	4.2E+00	2.5E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.6E-10	4.2E+00	5.2E-06
8.0E-07	1.0E-03	3.1E-09	1.6E-01	5.5E-01	2.7E-10	3.9E+00	2.5E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-01	8.7E-10	3.9E+00	5.2E-06
8.0E-07	1.0E-03	2.0E-08	1.6E-01	5.5E-01	1.7E-09	7.8E+00	2.5E-06	1.0E-03	2.0E-08	1.6E-01	5.5E-01	1.8E-09	7.8E+00	5.2E-06
8.0E-07	1.0E-03	2.8E-08	1.6E-01	5.5E-01	2.4E-09	9.0E+00	2.5E-06	1.0E-03	2.4E-08	1.6E-01	5.5E-01	2.0E-09	9.0E+00	5.2E-06
8.0E-07	1.0E-03	4.1E-08	1.6E-01	5.5E-01	3.5E-09	1.0E+01	2.5E-06	1.0E-03	2.7E-08	1.6E-01	5.5E-01	2.3E-09	1.0E+01	5.2E-06

8.0E-07	1.0E-03	2.1E-08	1.6E-01	5.5E-01	1.8E-09	1.2E+01	2.5E-06	1.0E-03	3.2E-08	1.6E-01	5.5E-01	2.7E-09	1.2E+01	5.2E-06
8.0E-07	1.0E-03	2.6E-08	1.6E-01	5.5E-01	2.2E-09	1.4E+01	2.5E-06	1.0E-03	3.6E-08	1.6E-01	5.5E-01	3.1E-09	1.4E+01	5.2E-06
8.0E-07	1.0E-03	8.3E-09	1.6E-01	5.5E-01	7.1E-10	9.1E+00	2.5E-06	1.0E-03	2.4E-08	1.6E-01	5.5E-01	2.0E-09	9.1E+00	5.2E-06
8.0E-07	1.0E-03	7.2E-09	1.6E-01	5.5E-01	6.2E-10	8.1E+00	2.5E-06	1.0E-03	2.1E-08	1.6E-01	5.5E-01	1.8E-09	8.1E+00	5.2E-06
8.0E-07	1.0E-03	6.3E-09	1.6E-01	5.5E-01	5.4E-10	7.3E+00	2.5E-06	1.0E-03	1.9E-08	1.6E-01	5.5E-01	1.7E-09	7.3E+00	5.2E-06
8.0E-07	1.0E-03	5.6E-09	1.6E-01	5.5E-01	4.8E-10	6.6E+00	2.5E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-01	1.5E-09	6.6E+00	5.2E-06
8.0E-07	1.0E-03	5.0E-09	1.6E-01	5.5E-01	4.3E-10	5.9E+00	2.5E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-01	1.3E-09	5.9E+00	5.2E-06
8.0E-07	1.0E-03	4.4E-09	1.6E-01	5.5E-01	3.8E-10	5.3E+00	2.5E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-01	1.2E-09	5.3E+00	5.2E-06
8.0E-07	1.0E-03	4.0E-09	1.6E-01	5.5E-01	3.4E-10	4.8E+00	2.5E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-01	1.1E-09	4.8E+00	5.2E-06
8.0E-07	1.0E-03	3.6E-09	1.6E-01	5.5E-01	3.1E-10	4.4E+00	2.5E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-01	9.9E-10	4.4E+00	5.2E-06
8.0E-07	1.0E-03	3.3E-09	1.6E-01	5.5E-01	2.8E-10	4.0E+00	2.5E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-01	9.0E-10	4.0E+00	5.2E-06
8.0E-07	1.0E-03	3.0E-09	1.6E-01	5.5E-01	2.6E-10	3.6E+00	2.5E-06	1.0E-03	9.6E-09	1.6E-01	5.5E-01	8.2E-10	3.6E+00	5.2E-06
8.0E-07	1.0E-03	1.7E-08	1.6E-01	5.5E-01	1.5E-09	6.7E+00	2.5E-06	1.0E-03	1.8E-08	1.6E-01	5.5E-01	1.5E-09	6.7E+00	5.2E-06
8.0E-07	1.0E-03	2.3E-08	1.6E-01	5.5E-01	2.0E-09	7.7E+00	2.5E-06	1.0E-03	2.0E-08	1.6E-01	5.5E-01	1.7E-09	7.7E+00	5.2E-06
8.0E-07	1.0E-03	3.1E-08	1.6E-01	5.5E-01	2.7E-09	8.8E+00	2.5E-06	1.0E-03	2.3E-08	1.6E-01	5.5E-01	2.0E-09	8.8E+00	5.2E-06
8.0E-07	1.0E-03	4.4E-08	1.6E-01	5.5E-01	3.8E-09	1.0E+01	2.5E-06	1.0E-03	2.6E-08	1.6E-01	5.5E-01	2.3E-09	1.0E+01	5.2E-06
8.0E-07	1.0E-03	1.7E-08	1.6E-01	5.5E-01	1.5E-09	1.1E+01	2.5E-06	1.0E-03	2.9E-08	1.6E-01	5.5E-01	2.5E-09	1.1E+01	5.2E-06
8.0E-07	1.0E-03	7.6E-09	1.6E-01	5.5E-01	6.5E-10	8.0E+00	2.5E-06	1.0E-03	2.1E-08	1.6E-01	5.5E-01	1.8E-09	8.0E+00	5.2E-06
8.0E-07	1.0E-03	6.7E-09	1.6E-01	5.5E-01	5.7E-10	7.3E+00	2.5E-06	1.0E-03	1.9E-08	1.6E-01	5.5E-01	1.6E-09	7.3E+00	5.2E-06
8.0E-07	1.0E-03	5.9E-09	1.6E-01	5.5E-01	5.1E-10	6.6E+00	2.5E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-01	1.5E-09	6.6E+00	5.2E-06
8.0E-07	1.0E-03	5.2E-09	1.6E-01	5.5E-01	4.5E-10	6.0E+00	2.5E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-01	1.4E-09	6.0E+00	5.2E-06
8.0E-07	1.0E-03	4.7E-09	1.6E-01	5.5E-01	4.0E-10	5.4E+00	2.5E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-01	1.2E-09	5.4E+00	5.2E-06
8.0E-07	1.0E-03	4.2E-09	1.6E-01	5.5E-01	3.6E-10	4.9E+00	2.5E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-01	1.1E-09	4.9E+00	5.2E-06
8.0E-07	1.0E-03	3.8E-09	1.6E-01	5.5E-01	3.2E-10	4.5E+00	2.5E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-01	1.0E-09	4.5E+00	5.2E-06
8.0E-07	1.0E-03	3.4E-09	1.6E-01	5.5E-01	2.9E-10	4.1E+00	2.5E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.3E-10	4.1E+00	5.2E-06
8.0E-07	1.0E-03	3.1E-09	1.6E-01	5.5E-01	2.7E-10	3.8E+00	2.5E-06	1.0E-03	9.9E-09	1.6E-01	5.5E-01	8.5E-10	3.8E+00	5.2E-06
8.0E-07	1.0E-03	2.8E-09	1.6E-01	5.5E-01	2.4E-10	3.4E+00	2.5E-06	1.0E-03	9.0E-09	1.6E-01	5.5E-01	7.8E-10	3.4E+00	5.2E-06
8.0E-07	1.0E-03	1.4E-08	1.6E-01	5.5E-01	1.2E-09	5.9E+00	2.5E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-01	1.3E-09	5.9E+00	5.2E-06
8.0E-07	1.0E-03	1.8E-08	1.6E-01	5.5E-01	1.5E-09	6.6E+00	2.5E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-01	1.5E-09	6.6E+00	5.2E-06
8.0E-07	1.0E-03	2.3E-08	1.6E-01	5.5E-01	2.0E-09	7.4E+00	2.5E-06	1.0E-03	1.9E-08	1.6E-01	5.5E-01	1.7E-09	7.4E+00	5.2E-06
8.0E-07	1.0E-03	3.0E-08	1.6E-01	5.5E-01	2.5E-09	8.3E+00	2.5E-06	1.0E-03	2.2E-08	1.6E-01	5.5E-01	1.9E-09	8.3E+00	5.2E-06
8.0E-07	1.0E-03	3.5E-08	1.6E-01	5.5E-01	3.0E-09	9.2E+00	2.5E-06	1.0E-03	2.4E-08	1.6E-01	5.5E-01	2.1E-09	9.2E+00	5.2E-06
8.0E-07	1.0E-03	6.9E-09	1.6E-01	5.5E-01	6.0E-10	7.1E+00	2.5E-06	1.0E-03	1.9E-08	1.6E-01	5.5E-01	1.6E-09	7.1E+00	5.2E-06
8.0E-07	1.0E-03	6.1E-09	1.6E-01	5.5E-01	5.3E-10	6.6E+00	2.5E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-01	1.5E-09	6.6E+00	5.2E-06
8.0E-07	1.0E-03	5.4E-09	1.6E-01	5.5E-01	4.7E-10	6.0E+00	2.5E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-01	1.4E-09	6.0E+00	5.2E-06
8.0E-07	1.0E-03	4.9E-09	1.6E-01	5.5E-01	4.2E-10	5.5E+00	2.5E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-01	1.2E-09	5.5E+00	5.2E-06
8.0E-07	1.0E-03	4.4E-09	1.6E-01	5.5E-01	3.7E-10	5.0E+00	2.5E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-01	1.1E-09	5.0E+00	5.2E-06
8.0E-07	1.0E-03	3.9E-09	1.6E-01	5.5E-01	3.4E-10	4.6E+00	2.5E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-01	1.0E-09	4.6E+00	5.2E-06
8.0E-07	1.0E-03	3.6E-09	1.6E-01	5.5E-01	3.1E-10	4.2E+00	2.5E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.5E-10	4.2E+00	5.2E-06
8.0E-07	1.0E-03	3.2E-09	1.6E-01	5.5E-01	2.8E-10	3.8E+00	2.5E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-01	8.7E-10	3.8E+00	5.2E-06
8.0E-07	1.0E-03	2.9E-09	1.6E-01	5.5E-01	2.5E-10	3.5E+00	2.5E-06	1.0E-03	9.3E-09	1.6E-01	5.5E-01	8.0E-10	3.5E+00	5.2E-06
8.0E-07	1.0E-03	2.7E-09	1.6E-01	5.5E-01	2.3E-10	3.2E+00	2.5E-06	1.0E-03	8.5E-09	1.6E-01	5.5E-01	7.3E-10	3.2E+00	5.2E-06
8.0E-07	1.0E-03	1.2E-08	1.6E-01	5.5E-01	1.0E-09	5.2E+00	2.5E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-01	1.2E-09	5.2E+00	5.2E-06
8.0E-07	1.0E-03	1.4E-08	1.6E-01	5.5E-01	1.2E-09	5.8E+00	2.5E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-01	1.3E-09	5.8E+00	5.2E-06
8.0E-07	1.0E-03	1.7E-08	1.6E-01	5.5E-01	1.5E-09	6.4E+00	2.5E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-01	1.4E-09	6.4E+00	5.2E-06
8.0E-07	1.0E-03	2.1E-08	1.6E-01	5.5E-01	1.8E-09	7.1E+00	2.5E-06	1.0E-03	1.9E-08	1.6E-01	5.5E-01	1.6E-09	7.1E+00	5.2E-06
8.0E-07	1.0E-03	2.3E-08	1.6E-01	5.5E-01	2.0E-09	7.8E+00	2.5E-06	1.0E-03	2.0E-08	1.6E-01	5.5E-01	1.8E-09	7.8E+00	5.2E-06
8.0E-07	1.0E-03	6.3E-09	1.6E-01	5.5E-01	5.4E-10	6.4E+00	2.5E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-01	1.4E-09	6.4E+00	5.2E-06
8.0E-07	1.0E-03	5.6E-09	1.6E-01	5.5E-01	4.8E-10	5.9E+00	2.5E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-01	1.3E-09	5.9E+00	5.2E-06

8.0E-07	1.0E-03	5.0E-09	1.6E-01	5.5E-01	4.3E-10	5.4E+00	2.5E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-01	1.2E-09	5.4E+00	5.2E-06
8.0E-07	1.0E-03	4.5E-09	1.6E-01	5.5E-01	3.9E-10	5.0E+00	2.5E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-01	1.1E-09	5.0E+00	5.2E-06
8.0E-07	1.0E-03	4.0E-09	1.6E-01	5.5E-01	3.5E-10	4.6E+00	2.5E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-01	1.0E-09	4.6E+00	5.2E-06
8.0E-07	1.0E-03	3.7E-09	1.6E-01	5.5E-01	3.1E-10	4.2E+00	2.5E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.5E-10	4.2E+00	5.2E-06
8.0E-07	1.0E-03	3.3E-09	1.6E-01	5.5E-01	2.9E-10	3.9E+00	2.5E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-01	8.8E-10	3.9E+00	5.2E-06
8.0E-07	1.0E-03	3.0E-09	1.6E-01	5.5E-01	2.6E-10	3.6E+00	2.5E-06	1.0E-03	9.4E-09	1.6E-01	5.5E-01	8.1E-10	3.6E+00	5.2E-06
8.0E-07	1.0E-03	2.8E-09	1.6E-01	5.5E-01	2.4E-10	3.3E+00	2.5E-06	1.0E-03	8.7E-09	1.6E-01	5.5E-01	7.5E-10	3.3E+00	5.2E-06
8.0E-07	1.0E-03	2.5E-09	1.6E-01	5.5E-01	2.2E-10	3.0E+00	2.5E-06	1.0E-03	8.0E-09	1.6E-01	5.5E-01	6.9E-10	3.0E+00	5.2E-06
8.0E-07	1.0E-03	9.6E-09	1.6E-01	5.5E-01	8.3E-10	4.6E+00	2.5E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-01	1.0E-09	4.6E+00	5.2E-06
8.0E-07	1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.8E-10	5.1E+00	2.5E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-01	1.1E-09	5.1E+00	5.2E-06
8.0E-07	1.0E-03	1.3E-08	1.6E-01	5.5E-01	1.2E-09	5.6E+00	2.5E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-01	1.3E-09	5.6E+00	5.2E-06
8.0E-07	1.0E-03	1.5E-08	1.6E-01	5.5E-01	1.3E-09	6.1E+00	2.5E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-01	1.4E-09	6.1E+00	5.2E-06
8.0E-07	1.0E-03	1.7E-08	1.6E-01	5.5E-01	1.4E-09	6.6E+00	2.5E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-01	1.5E-09	6.6E+00	5.2E-06
8.0E-07	1.0E-03	5.7E-09	1.6E-01	5.5E-01	4.9E-10	5.7E+00	2.5E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-01	1.3E-09	5.7E+00	5.2E-06
8.0E-07	1.0E-03	5.1E-09	1.6E-01	5.5E-01	4.4E-10	5.3E+00	2.5E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-01	1.2E-09	5.3E+00	5.2E-06
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8.0E-07	1.0E-03	4.2E-09	1.6E-01	5.5E-01	3.6E-10	4.6E+00	2.5E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-01	1.0E-09	4.6E+00	5.2E-06
8.0E-07	1.0E-03	3.7E-09	1.6E-01	5.5E-01	3.2E-10	4.2E+00	2.5E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.4E-10	4.2E+00	5.2E-06
8.0E-07	1.0E-03	3.4E-09	1.6E-01	5.5E-01	2.9E-10	3.8E+00	2.5E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-01	8.7E-10	3.8E+00	5.2E-06
8.0E-07	1.0E-03	3.1E-09	1.6E-01	5.5E-01	2.6E-10	3.6E+00	2.5E-06	1.0E-03	9.4E-09	1.6E-01	5.5E-01	8.1E-10	3.6E+00	5.2E-06
8.0E-07	1.0E-03	2.8E-09	1.6E-01	5.5E-01	2.4E-10	3.3E+00	2.5E-06	1.0E-03	8.7E-09	1.6E-01	5.5E-01	7.5E-10	3.3E+00	5.2E-06
8.0E-07	1.0E-03	2.6E-09	1.6E-01	5.5E-01	2.2E-10	3.1E+00	2.5E-06	1.0E-03	8.1E-09	1.6E-01	5.5E-01	6.9E-10	3.1E+00	5.2E-06
8.0E-07	1.0E-03	2.4E-09	1.6E-01	5.5E-01	2.0E-10	2.8E+00	2.5E-06	1.0E-03	7.5E-09	1.6E-01	5.5E-01	6.4E-10	2.8E+00	5.2E-06
8.0E-07	1.0E-03	8.0E-09	1.6E-01	5.5E-01	6.9E-10	4.1E+00	2.5E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.2E-10	4.1E+00	5.2E-06
8.0E-07	1.0E-03	9.3E-09	1.6E-01	5.5E-01	8.0E-10	4.5E+00	2.5E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-01	1.0E-09	4.5E+00	5.2E-06
8.0E-07	1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.1E-10	4.9E+00	2.5E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-01	1.1E-09	4.9E+00	5.2E-06
8.0E-07	1.0E-03	1.2E-08	1.6E-01	5.5E-01	1.0E-09	5.3E+00	2.5E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-01	1.2E-09	5.3E+00	5.2E-06
8.0E-07	1.0E-03	1.3E-08	1.6E-01	5.5E-01	1.1E-09	5.7E+00	2.5E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-01	1.3E-09	5.7E+00	5.2E-06
8.0E-07	1.0E-03	4.7E-09	1.6E-01	5.5E-01	4.1E-10	4.9E+00	2.5E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-01	1.1E-09	4.9E+00	5.2E-06
8.0E-07	1.0E-03	4.3E-09	1.6E-01	5.5E-01	3.7E-10	4.5E+00	2.5E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-01	1.0E-09	4.5E+00	5.2E-06
8.0E-07	1.0E-03	3.8E-09	1.6E-01	5.5E-01	3.3E-10	4.2E+00	2.5E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.5E-10	4.2E+00	5.2E-06
8.0E-07	1.0E-03	3.4E-09	1.6E-01	5.5E-01	2.9E-10	3.8E+00	2.5E-06	1.0E-03	9.9E-09	1.6E-01	5.5E-01	8.5E-10	3.8E+00	5.2E-06
8.0E-07	1.0E-03	3.1E-09	1.6E-01	5.5E-01	2.6E-10	3.5E+00	2.5E-06	1.0E-03	9.1E-09	1.6E-01	5.5E-01	7.9E-10	3.5E+00	5.2E-06
8.0E-07	1.0E-03	2.8E-09	1.6E-01	5.5E-01	2.4E-10	3.2E+00	2.5E-06	1.0E-03	8.5E-09	1.6E-01	5.5E-01	7.3E-10	3.2E+00	5.2E-06
8.0E-07	1.0E-03	2.6E-09	1.6E-01	5.5E-01	2.2E-10	3.0E+00	2.5E-06	1.0E-03	7.9E-09	1.6E-01	5.5E-01	6.8E-10	3.0E+00	5.2E-06
8.0E-07	1.0E-03	2.4E-09	1.6E-01	5.5E-01	2.0E-10	2.8E+00	2.5E-06	1.0E-03	7.4E-09	1.6E-01	5.5E-01	6.3E-10	2.8E+00	5.2E-06
8.0E-07	1.0E-03	2.2E-09	1.6E-01	5.5E-01	1.9E-10	2.6E+00	2.5E-06	1.0E-03	6.9E-09	1.6E-01	5.5E-01	6.0E-10	2.6E+00	5.2E-06
8.0E-07	1.0E-03	6.8E-09	1.6E-01	5.5E-01	5.8E-10	3.7E+00	2.5E-06	1.0E-03	9.7E-09	1.6E-01	5.5E-01	8.3E-10	3.7E+00	5.2E-06
8.0E-07	1.0E-03	7.7E-09	1.6E-01	5.5E-01	6.6E-10	4.0E+00	2.5E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.1E-10	4.0E+00	5.2E-06
8.0E-07	1.0E-03	8.6E-09	1.6E-01	5.5E-01	7.4E-10	4.3E+00	2.5E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.8E-10	4.3E+00	5.2E-06
8.0E-07	1.0E-03	9.3E-09	1.6E-01	5.5E-01	8.0E-10	4.7E+00	2.5E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-01	1.1E-09	4.7E+00	5.2E-06
8.0E-07	1.0E-03	9.9E-09	1.6E-01	5.5E-01	8.5E-10	5.0E+00	2.5E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-01	1.1E-09	5.0E+00	5.2E-06
8.0E-07	1.0E-03	4.0E-09	1.6E-01	5.5E-01	3.4E-10	4.2E+00	2.5E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.4E-10	4.2E+00	5.2E-06
8.0E-07	1.0E-03	3.6E-09	1.6E-01	5.5E-01	3.1E-10	3.9E+00	2.5E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-01	8.8E-10	3.9E+00	5.2E-06
8.0E-07	1.0E-03	3.2E-09	1.6E-01	5.5E-01	2.8E-10	3.6E+00	2.5E-06	1.0E-03	9.4E-09	1.6E-01	5.5E-01	8.1E-10	3.6E+00	5.2E-06
8.0E-07	1.0E-03	3.0E-09	1.6E-01	5.5E-01	2.6E-10	3.3E+00	2.5E-06	1.0E-03	8.8E-09	1.6E-01	5.5E-01	7.6E-10	3.3E+00	5.2E-06
8.0E-07	1.0E-03	2.7E-09	1.6E-01	5.5E-01	2.3E-10	3.1E+00	2.5E-06	1.0E-03	8.2E-09	1.6E-01	5.5E-01	7.0E-10	3.1E+00	5.2E-06
8.0E-07	1.0E-03	2.5E-09	1.6E-01	5.5E-01	2.1E-10	2.9E+00	2.5E-06	1.0E-03	7.5E-09	1.6E-01	5.5E-01	6.5E-10	2.9E+00	5.2E-06
8.0E-07	1.0E-03	2.3E-09	1.6E-01	5.5E-01	2.0E-10	2.7E+00	2.5E-06	1.0E-03	7.0E-09	1.6E-01	5.5E-01	6.0E-10	2.7E+00	5.2E-06

8.0E-07	1.0E-03	2.1E-09	1.6E-01	5.5E-01	1.8E-10	2.5E+00	2.5E-06	1.0E-03	6.5E-09	1.6E-01	5.5E-01	5.6E-10	2.5E+00	5.2E-06
8.0E-07	1.0E-03	5.8E-09	1.6E-01	5.5E-01	5.0E-10	3.3E+00	2.5E-06	1.0E-03	8.7E-09	1.6E-01	5.5E-01	7.5E-10	3.3E+00	5.2E-06
8.0E-07	1.0E-03	6.5E-09	1.6E-01	5.5E-01	5.6E-10	3.6E+00	2.5E-06	1.0E-03	9.5E-09	1.6E-01	5.5E-01	8.1E-10	3.6E+00	5.2E-06
8.0E-07	1.0E-03	7.1E-09	1.6E-01	5.5E-01	6.1E-10	3.9E+00	2.5E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-01	8.8E-10	3.9E+00	5.2E-06
8.0E-07	1.0E-03	7.6E-09	1.6E-01	5.5E-01	6.6E-10	4.1E+00	2.5E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.4E-10	4.1E+00	5.2E-06
8.0E-07	1.0E-03	8.0E-09	1.6E-01	5.5E-01	6.9E-10	4.4E+00	2.5E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-01	9.9E-10	4.4E+00	5.2E-06
8.0E-07	1.0E-03	3.4E-09	1.6E-01	5.5E-01	2.9E-10	3.6E+00	2.5E-06	1.0E-03	9.5E-09	1.6E-01	5.5E-01	8.2E-10	3.6E+00	5.2E-06
8.0E-07	1.0E-03	3.1E-09	1.6E-01	5.5E-01	2.7E-10	3.4E+00	2.5E-06	1.0E-03	9.0E-09	1.6E-01	5.5E-01	7.7E-10	3.4E+00	5.2E-06
8.0E-07	1.0E-03	2.9E-09	1.6E-01	5.5E-01	2.5E-10	3.2E+00	2.5E-06	1.0E-03	8.5E-09	1.6E-01	5.5E-01	7.3E-10	3.2E+00	5.2E-06
8.0E-07	1.0E-03	2.6E-09	1.6E-01	5.5E-01	2.3E-10	3.0E+00	2.5E-06	1.0E-03	7.9E-09	1.6E-01	5.5E-01	6.8E-10	3.0E+00	5.2E-06
8.0E-07	1.0E-03	2.4E-09	1.6E-01	5.5E-01	2.1E-10	2.8E+00	2.5E-06	1.0E-03	7.4E-09	1.6E-01	5.5E-01	6.3E-10	2.8E+00	5.2E-06
8.0E-07	1.0E-03	2.2E-09	1.6E-01	5.5E-01	1.9E-10	2.6E+00	2.5E-06	1.0E-03	6.8E-09	1.6E-01	5.5E-01	5.9E-10	2.6E+00	5.2E-06
8.0E-07	1.0E-03	2.0E-09	1.6E-01	5.5E-01	1.7E-10	2.4E+00	2.5E-06	1.0E-03	6.3E-09	1.6E-01	5.5E-01	5.4E-10	2.4E+00	5.2E-06
8.0E-07	1.0E-03	5.0E-09	1.6E-01	5.5E-01	4.3E-10	3.0E+00	2.5E-06	1.0E-03	7.9E-09	1.6E-01	5.5E-01	6.8E-10	3.0E+00	5.2E-06
8.0E-07	1.0E-03	5.5E-09	1.6E-01	5.5E-01	4.7E-10	3.3E+00	2.5E-06	1.0E-03	8.5E-09	1.6E-01	5.5E-01	7.4E-10	3.3E+00	5.2E-06
8.0E-07	1.0E-03	5.9E-09	1.6E-01	5.5E-01	5.1E-10	3.5E+00	2.5E-06	1.0E-03	9.1E-09	1.6E-01	5.5E-01	7.9E-10	3.5E+00	5.2E-06
8.0E-07	1.0E-03	6.3E-09	1.6E-01	5.5E-01	5.5E-10	3.7E+00	2.5E-06	1.0E-03	9.7E-09	1.6E-01	5.5E-01	8.4E-10	3.7E+00	5.2E-06
8.0E-07	1.0E-03	6.7E-09	1.6E-01	5.5E-01	5.7E-10	3.9E+00	2.5E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-01	8.8E-10	3.9E+00	5.2E-06
8.0E-07	1.0E-03	3.0E-09	1.6E-01	5.5E-01	2.5E-10	3.2E+00	2.5E-06	1.0E-03	8.4E-09	1.6E-01	5.5E-01	7.2E-10	3.2E+00	5.2E-06
8.0E-07	1.0E-03	2.7E-09	1.6E-01	5.5E-01	2.4E-10	3.0E+00	2.5E-06	1.0E-03	7.9E-09	1.6E-01	5.5E-01	6.8E-10	3.0E+00	5.2E-06
8.0E-07	1.0E-03	2.5E-09	1.6E-01	5.5E-01	2.2E-10	2.8E+00	2.5E-06	1.0E-03	7.4E-09	1.6E-01	5.5E-01	6.4E-10	2.8E+00	5.2E-06
8.0E-07	1.0E-03	2.3E-09	1.6E-01	5.5E-01	2.0E-10	2.7E+00	2.5E-06	1.0E-03	7.0E-09	1.6E-01	5.5E-01	6.0E-10	2.7E+00	5.2E-06
8.0E-07	1.0E-03	2.1E-09	1.6E-01	5.5E-01	1.8E-10	2.5E+00	2.5E-06	1.0E-03	6.5E-09	1.6E-01	5.5E-01	5.6E-10	2.5E+00	5.2E-06
8.0E-07	1.0E-03	2.0E-09	1.6E-01	5.5E-01	1.7E-10	2.3E+00	2.5E-06	1.0E-03	6.1E-09	1.6E-01	5.5E-01	5.2E-10	2.3E+00	5.2E-06
8.0E-07	1.0E-03	4.3E-09	1.6E-01	5.5E-01	3.7E-10	2.7E+00	2.5E-06	1.0E-03	7.2E-09	1.6E-01	5.5E-01	6.2E-10	2.7E+00	5.2E-06
8.0E-07	1.0E-03	4.7E-09	1.6E-01	5.5E-01	4.1E-10	2.9E+00	2.5E-06	1.0E-03	7.7E-09	1.6E-01	5.5E-01	6.7E-10	2.9E+00	5.2E-06
8.0E-07	1.0E-03	5.1E-09	1.6E-01	5.5E-01	4.4E-10	3.1E+00	2.5E-06	1.0E-03	8.2E-09	1.6E-01	5.5E-01	7.1E-10	3.1E+00	5.2E-06
8.0E-07	1.0E-03	5.4E-09	1.6E-01	5.5E-01	4.6E-10	3.3E+00	2.5E-06	1.0E-03	8.7E-09	1.6E-01	5.5E-01	7.5E-10	3.3E+00	5.2E-06
8.0E-07	1.0E-03	5.6E-09	1.6E-01	5.5E-01	4.8E-10	3.5E+00	2.5E-06	1.0E-03	9.2E-09	1.6E-01	5.5E-01	7.9E-10	3.5E+00	5.2E-06
8.0E-07	1.0E-03	2.8E-09	1.6E-01	5.5E-01	2.4E-10	3.0E+00	2.5E-06	1.0E-03	7.8E-09	1.6E-01	5.5E-01	6.7E-10	3.0E+00	5.2E-06
8.0E-07	1.0E-03	2.6E-09	1.6E-01	5.5E-01	2.2E-10	2.8E+00	2.5E-06	1.0E-03	7.4E-09	1.6E-01	5.5E-01	6.4E-10	2.8E+00	5.2E-06
8.0E-07	1.0E-03	2.4E-09	1.6E-01	5.5E-01	2.1E-10	2.7E+00	2.5E-06	1.0E-03	7.0E-09	1.6E-01	5.5E-01	6.0E-10	2.7E+00	5.2E-06
8.0E-07	1.0E-03	2.2E-09	1.6E-01	5.5E-01	1.9E-10	2.5E+00	2.5E-06	1.0E-03	6.6E-09	1.6E-01	5.5E-01	5.7E-10	2.5E+00	5.2E-06
8.0E-07	1.0E-03	2.1E-09	1.6E-01	5.5E-01	1.8E-10	2.4E+00	2.5E-06	1.0E-03	6.2E-09	1.6E-01	5.5E-01	5.3E-10	2.4E+00	5.2E-06
8.0E-07	1.0E-03	1.9E-09	1.6E-01	5.5E-01	1.6E-10	2.2E+00	2.5E-06	1.0E-03	5.8E-09	1.6E-01	5.5E-01	5.0E-10	2.2E+00	5.2E-06
8.0E-07	1.0E-03	3.8E-09	1.6E-01	5.5E-01	3.3E-10	2.5E+00	2.5E-06	1.0E-03	6.6E-09	1.6E-01	5.5E-01	5.7E-10	2.5E+00	5.2E-06
8.0E-07	1.0E-03	4.1E-09	1.6E-01	5.5E-01	3.5E-10	2.7E+00	2.5E-06	1.0E-03	7.0E-09	1.6E-01	5.5E-01	6.1E-10	2.7E+00	5.2E-06
8.0E-07	1.0E-03	4.4E-09	1.6E-01	5.5E-01	3.8E-10	2.8E+00	2.5E-06	1.0E-03	7.5E-09	1.6E-01	5.5E-01	6.4E-10	2.8E+00	5.2E-06
8.0E-07	1.0E-03	4.6E-09	1.6E-01	5.5E-01	4.0E-10	3.0E+00	2.5E-06	1.0E-03	7.9E-09	1.6E-01	5.5E-01	6.8E-10	3.0E+00	5.2E-06
8.0E-07	1.0E-03	4.8E-09	1.6E-01	5.5E-01	4.2E-10	3.1E+00	2.5E-06	1.0E-03	8.2E-09	1.6E-01	5.5E-01	7.1E-10	3.1E+00	5.2E-06
8.0E-07	1.0E-03	2.6E-09	1.6E-01	5.5E-01	2.3E-10	2.8E+00	2.5E-06	1.0E-03	7.3E-09	1.6E-01	5.5E-01	6.3E-10	2.8E+00	5.2E-06
8.0E-07	1.0E-03	2.4E-09	1.6E-01	5.5E-01	2.1E-10	2.6E+00	2.5E-06	1.0E-03	6.9E-09	1.6E-01	5.5E-01	6.0E-10	2.6E+00	5.2E-06
8.0E-07	1.0E-03	2.3E-09	1.6E-01	5.5E-01	2.0E-10	2.5E+00	2.5E-06	1.0E-03	6.6E-09	1.6E-01	5.5E-01	5.7E-10	2.5E+00	5.2E-06
8.0E-07	1.0E-03	2.1E-09	1.6E-01	5.5E-01	1.8E-10	2.4E+00	2.5E-06	1.0E-03	6.2E-09	1.6E-01	5.5E-01	5.4E-10	2.4E+00	5.2E-06
8.0E-07	1.0E-03	2.0E-09	1.6E-01	5.5E-01	1.7E-10	2.2E+00	2.5E-06	1.0E-03	5.9E-09	1.6E-01	5.5E-01	5.1E-10	2.2E+00	5.2E-06
8.0E-07	1.0E-03	1.8E-09	1.6E-01	5.5E-01	1.6E-10	2.1E+00	2.5E-06	1.0E-03	5.5E-09	1.6E-01	5.5E-01	4.8E-10	2.1E+00	5.2E-06
8.0E-07	1.0E-03	3.4E-09	1.6E-01	5.5E-01	2.9E-10	2.3E+00	2.5E-06	1.0E-03	6.1E-09	1.6E-01	5.5E-01	5.2E-10	2.3E+00	5.2E-06
8.0E-07	1.0E-03	3.6E-09	1.6E-01	5.5E-01	3.1E-10	2.4E+00	2.5E-06	1.0E-03	6.4E-09	1.6E-01	5.5E-01	5.5E-10	2.4E+00	5.2E-06
8.0E-07	1.0E-03	3.8E-09	1.6E-01	5.5E-01	3.3E-10	2.6E+00	2.5E-06	1.0E-03	6.8E-09	1.6E-01	5.5E-01	5.8E-10	2.6E+00	5.2E-06

8.0E-07	1.0E-03	4.0E-09	1.6E-01	5.5E-01	3.5E-10	2.7E+00	2.5E-06	1.0E-03	7.1E-09	1.6E-01	5.5E-01	6.1E-10	2.7E+00	5.2E-06
8.0E-07	1.0E-03	4.2E-09	1.6E-01	5.5E-01	3.6E-10	2.8E+00	2.5E-06	1.0E-03	7.5E-09	1.6E-01	5.5E-01	6.4E-10	2.8E+00	5.2E-06
8.0E-07	1.0E-03	2.5E-09	1.6E-01	5.5E-01	2.1E-10	2.6E+00	2.5E-06	1.0E-03	6.8E-09	1.6E-01	5.5E-01	5.9E-10	2.6E+00	5.2E-06
8.0E-07	1.0E-03	2.3E-09	1.6E-01	5.5E-01	2.0E-10	2.5E+00	2.5E-06	1.0E-03	6.5E-09	1.6E-01	5.5E-01	5.6E-10	2.5E+00	5.2E-06
8.0E-07	1.0E-03	2.2E-09	1.6E-01	5.5E-01	1.9E-10	2.4E+00	2.5E-06	1.0E-03	6.2E-09	1.6E-01	5.5E-01	5.3E-10	2.4E+00	5.2E-06
8.0E-07	1.0E-03	2.0E-09	1.6E-01	5.5E-01	1.7E-10	2.2E+00	2.5E-06	1.0E-03	5.9E-09	1.6E-01	5.5E-01	5.1E-10	2.2E+00	5.2E-06
8.0E-07	1.0E-03	1.9E-09	1.6E-01	5.5E-01	1.6E-10	2.1E+00	2.5E-06	1.0E-03	5.6E-09	1.6E-01	5.5E-01	4.8E-10	2.1E+00	5.2E-06
8.0E-07	1.0E-03	1.8E-09	1.6E-01	5.5E-01	1.5E-10	2.0E+00	2.5E-06	1.0E-03	5.3E-09	1.6E-01	5.5E-01	4.6E-10	2.0E+00	5.2E-06
8.0E-07	1.0E-03	3.0E-09	1.6E-01	5.5E-01	2.6E-10	2.1E+00	2.5E-06	1.0E-03	5.6E-09	1.6E-01	5.5E-01	4.8E-10	2.1E+00	5.2E-06
8.0E-07	1.0E-03	3.2E-09	1.6E-01	5.5E-01	2.8E-10	2.2E+00	2.5E-06	1.0E-03	5.9E-09	1.6E-01	5.5E-01	5.1E-10	2.2E+00	5.2E-06
8.0E-07	1.0E-03	3.4E-09	1.6E-01	5.5E-01	2.9E-10	2.4E+00	2.5E-06	1.0E-03	6.2E-09	1.6E-01	5.5E-01	5.3E-10	2.4E+00	5.2E-06
8.0E-07	1.0E-03	3.5E-09	1.6E-01	5.5E-01	3.0E-10	2.5E+00	2.5E-06	1.0E-03	6.5E-09	1.6E-01	5.5E-01	5.6E-10	2.5E+00	5.2E-06
8.0E-07	1.0E-03	3.7E-09	1.6E-01	5.5E-01	3.2E-10	2.6E+00	2.5E-06	1.0E-03	6.8E-09	1.6E-01	5.5E-01	5.8E-10	2.6E+00	5.2E-06
8.0E-07	1.0E-03	2.3E-09	1.6E-01	5.5E-01	2.0E-10	2.4E+00	2.5E-06	1.0E-03	6.4E-09	1.6E-01	5.5E-01	5.5E-10	2.4E+00	5.2E-06
8.0E-07	1.0E-03	2.2E-09	1.6E-01	5.5E-01	1.9E-10	2.3E+00	2.5E-06	1.0E-03	6.1E-09	1.6E-01	5.5E-01	5.3E-10	2.3E+00	5.2E-06
8.0E-07	1.0E-03	2.0E-09	1.6E-01	5.5E-01	1.8E-10	2.2E+00	2.5E-06	1.0E-03	5.8E-09	1.6E-01	5.5E-01	5.0E-10	2.2E+00	5.2E-06
8.0E-07	1.0E-03	1.9E-09	1.6E-01	5.5E-01	1.7E-10	2.1E+00	2.5E-06	1.0E-03	5.6E-09	1.6E-01	5.5E-01	4.8E-10	2.1E+00	5.2E-06
8.0E-07	1.0E-03	1.8E-09	1.6E-01	5.5E-01	1.6E-10	2.0E+00	2.5E-06	1.0E-03	5.3E-09	1.6E-01	5.5E-01	4.6E-10	2.0E+00	5.2E-06
8.0E-07	1.0E-03	1.7E-09	1.6E-01	5.5E-01	1.5E-10	1.9E+00	2.5E-06	1.0E-03	5.1E-09	1.6E-01	5.5E-01	4.3E-10	1.9E+00	5.2E-06
8.0E-07	1.0E-03	2.7E-09	1.6E-01	5.5E-01	2.3E-10	2.0E+00	2.5E-06	1.0E-03	5.2E-09	1.6E-01	5.5E-01	4.4E-10	2.0E+00	5.2E-06
8.0E-07	1.0E-03	2.9E-09	1.6E-01	5.5E-01	2.5E-10	2.1E+00	2.5E-06	1.0E-03	5.4E-09	1.6E-01	5.5E-01	4.7E-10	2.1E+00	5.2E-06
8.0E-07	1.0E-03	3.0E-09	1.6E-01	5.5E-01	2.6E-10	2.2E+00	2.5E-06	1.0E-03	5.7E-09	1.6E-01	5.5E-01	4.9E-10	2.2E+00	5.2E-06
8.0E-07	1.0E-03	3.1E-09	1.6E-01	5.5E-01	2.7E-10	2.3E+00	2.5E-06	1.0E-03	5.9E-09	1.6E-01	5.5E-01	5.1E-10	2.3E+00	5.2E-06
8.0E-07	1.0E-03	3.3E-09	1.6E-01	5.5E-01	2.8E-10	2.4E+00	2.5E-06	1.0E-03	6.2E-09	1.6E-01	5.5E-01	5.3E-10	2.4E+00	5.2E-06
8.0E-07	1.0E-03	3.3E-09	1.6E-01	5.5E-01	2.9E-10	2.4E+00	2.5E-06	1.0E-03	6.4E-09	1.6E-01	5.5E-01	5.5E-10	2.4E+00	5.2E-06
8.0E-07	1.0E-03	3.4E-09	1.6E-01	5.5E-01	2.9E-10	2.5E+00	2.5E-06	1.0E-03	6.6E-09	1.6E-01	5.5E-01	5.7E-10	2.5E+00	5.2E-06
8.0E-07	1.0E-03	3.4E-09	1.6E-01	5.5E-01	3.0E-10	2.6E+00	2.5E-06	1.0E-03	6.8E-09	1.6E-01	5.5E-01	5.8E-10	2.6E+00	5.2E-06
8.0E-07	1.0E-03	3.4E-09	1.6E-01	5.5E-01	3.0E-10	2.6E+00	2.5E-06	1.0E-03	6.9E-09	1.6E-01	5.5E-01	6.0E-10	2.6E+00	5.2E-06
8.0E-07	1.0E-03	3.4E-09	1.6E-01	5.5E-01	2.9E-10	2.7E+00	2.5E-06	1.0E-03	7.0E-09	1.6E-01	5.5E-01	6.0E-10	2.7E+00	5.2E-06
8.0E-07	1.0E-03	3.4E-09	1.6E-01	5.5E-01	2.9E-10	2.7E+00	2.5E-06	1.0E-03	7.1E-09	1.6E-01	5.5E-01	6.1E-10	2.7E+00	5.2E-06
8.0E-07	1.0E-03	3.3E-09	1.6E-01	5.5E-01	2.8E-10	2.7E+00	2.5E-06	1.0E-03	7.1E-09	1.6E-01	5.5E-01	6.1E-10	2.7E+00	5.2E-06
8.0E-07	1.0E-03	3.2E-09	1.6E-01	5.5E-01	2.7E-10	2.7E+00	2.5E-06	1.0E-03	7.1E-09	1.6E-01	5.5E-01	6.1E-10	2.7E+00	5.2E-06
8.0E-07	1.0E-03	3.1E-09	1.6E-01	5.5E-01	2.7E-10	2.7E+00	2.5E-06	1.0E-03	7.1E-09	1.6E-01	5.5E-01	6.1E-10	2.7E+00	5.2E-06
8.0E-07	1.0E-03	3.0E-09	1.6E-01	5.5E-01	2.6E-10	2.7E+00	2.5E-06	1.0E-03	7.0E-09	1.6E-01	5.5E-01	6.0E-10	2.7E+00	5.2E-06
8.0E-07	1.0E-03	2.8E-09	1.6E-01	5.5E-01	2.4E-10	2.6E+00	2.5E-06	1.0E-03	6.9E-09	1.6E-01	5.5E-01	5.9E-10	2.6E+00	5.2E-06
8.0E-07	1.0E-03	2.7E-09	1.6E-01	5.5E-01	2.3E-10	2.6E+00	2.5E-06	1.0E-03	6.7E-09	1.6E-01	5.5E-01	5.8E-10	2.6E+00	5.2E-06
8.0E-07	1.0E-03	2.6E-09	1.6E-01	5.5E-01	2.2E-10	2.5E+00	2.5E-06	1.0E-03	6.6E-09	1.6E-01	5.5E-01	5.6E-10	2.5E+00	5.2E-06
8.0E-07	1.0E-03	2.4E-09	1.6E-01	5.5E-01	2.1E-10	2.4E+00	2.5E-06	1.0E-03	6.4E-09	1.6E-01	5.5E-01	5.5E-10	2.4E+00	5.2E-06
8.0E-07	1.0E-03	2.3E-09	1.6E-01	5.5E-01	2.0E-10	2.3E+00	2.5E-06	1.0E-03	6.2E-09	1.6E-01	5.5E-01	5.3E-10	2.3E+00	5.2E-06
8.0E-07	1.0E-03	2.2E-09	1.6E-01	5.5E-01	1.9E-10	2.3E+00	2.5E-06	1.0E-03	6.0E-09	1.6E-01	5.5E-01	5.1E-10	2.3E+00	5.2E-06
8.0E-07	1.0E-03	2.1E-09	1.6E-01	5.5E-01	1.8E-10	2.2E+00	2.5E-06	1.0E-03	5.7E-09	1.6E-01	5.5E-01	4.9E-10	2.2E+00	5.2E-06
8.0E-07	1.0E-03	1.9E-09	1.6E-01	5.5E-01	1.7E-10	2.1E+00	2.5E-06	1.0E-03	5.5E-09	1.6E-01	5.5E-01	4.7E-10	2.1E+00	5.2E-06
8.0E-07	1.0E-03	1.8E-09	1.6E-01	5.5E-01	1.6E-10	2.0E+00	2.5E-06	1.0E-03	5.3E-09	1.6E-01	5.5E-01	4.5E-10	2.0E+00	5.2E-06
8.0E-07	1.0E-03	1.7E-09	1.6E-01	5.5E-01	1.5E-10	1.9E+00	2.5E-06	1.0E-03	5.0E-09	1.6E-01	5.5E-01	4.3E-10	1.9E+00	5.2E-06
8.0E-07	1.0E-03	1.6E-09	1.6E-01	5.5E-01	1.4E-10	1.8E+00	2.5E-06	1.0E-03	4.8E-09	1.6E-01	5.5E-01	4.1E-10	1.8E+00	5.2E-06
8.0E-07	1.0E-03	2.4E-09	1.6E-01	5.5E-01	2.1E-10	1.8E+00	2.5E-06	1.0E-03	4.8E-09	1.6E-01	5.5E-01	4.1E-10	1.8E+00	5.2E-06
8.0E-07	1.0E-03	2.6E-09	1.6E-01	5.5E-01	2.2E-10	1.9E+00	2.5E-06	1.0E-03	5.0E-09	1.6E-01	5.5E-01	4.3E-10	1.9E+00	5.2E-06
8.0E-07	1.0E-03	2.7E-09	1.6E-01	5.5E-01	2.3E-10	2.0E+00	2.5E-06	1.0E-03	5.2E-09	1.6E-01	5.5E-01	4.5E-10	2.0E+00	5.2E-06
8.0E-07	1.0E-03	2.8E-09	1.6E-01	5.5E-01	2.4E-10	2.1E+00	2.5E-06	1.0E-03	5.5E-09	1.6E-01	5.5E-01	4.7E-10	2.1E+00	5.2E-06

8.0E-07	1.0E-03	2.9E-09	1.6E-01	5.5E-01	2.5E-10	2.2E+00	2.5E-06	1.0E-03	5.7E-09	1.6E-01	5.5E-01	4.9E-10	2.2E+00	5.2E-06
8.0E-07	1.0E-03	3.0E-09	1.6E-01	5.5E-01	2.6E-10	2.2E+00	2.5E-06	1.0E-03	5.9E-09	1.6E-01	5.5E-01	5.1E-10	2.2E+00	5.2E-06
8.0E-07	1.0E-03	3.0E-09	1.6E-01	5.5E-01	2.6E-10	2.3E+00	2.5E-06	1.0E-03	6.1E-09	1.6E-01	5.5E-01	5.2E-10	2.3E+00	5.2E-06
8.0E-07	1.0E-03	3.1E-09	1.6E-01	5.5E-01	2.6E-10	2.4E+00	2.5E-06	1.0E-03	6.2E-09	1.6E-01	5.5E-01	5.3E-10	2.4E+00	5.2E-06
8.0E-07	1.0E-03	3.1E-09	1.6E-01	5.5E-01	2.7E-10	2.4E+00	2.5E-06	1.0E-03	6.3E-09	1.6E-01	5.5E-01	5.5E-10	2.4E+00	5.2E-06
8.0E-07	1.0E-03	3.1E-09	1.6E-01	5.5E-01	2.6E-10	2.4E+00	2.5E-06	1.0E-03	6.4E-09	1.6E-01	5.5E-01	5.5E-10	2.4E+00	5.2E-06
8.0E-07	1.0E-03	3.0E-09	1.6E-01	5.5E-01	2.6E-10	2.5E+00	2.5E-06	1.0E-03	6.5E-09	1.6E-01	5.5E-01	5.6E-10	2.5E+00	5.2E-06
8.0E-07	1.0E-03	3.0E-09	1.6E-01	5.5E-01	2.6E-10	2.5E+00	2.5E-06	1.0E-03	6.5E-09	1.6E-01	5.5E-01	5.6E-10	2.5E+00	5.2E-06
8.0E-07	1.0E-03	2.9E-09	1.6E-01	5.5E-01	2.5E-10	2.5E+00	2.5E-06	1.0E-03	6.5E-09	1.6E-01	5.5E-01	5.6E-10	2.5E+00	5.2E-06
8.0E-07	1.0E-03	2.8E-09	1.6E-01	5.5E-01	2.4E-10	2.5E+00	2.5E-06	1.0E-03	6.5E-09	1.6E-01	5.5E-01	5.6E-10	2.5E+00	5.2E-06
8.0E-07	1.0E-03	2.7E-09	1.6E-01	5.5E-01	2.3E-10	2.4E+00	2.5E-06	1.0E-03	6.4E-09	1.6E-01	5.5E-01	5.5E-10	2.4E+00	5.2E-06
8.0E-07	1.0E-03	2.6E-09	1.6E-01	5.5E-01	2.3E-10	2.4E+00	2.5E-06	1.0E-03	6.3E-09	1.6E-01	5.5E-01	5.5E-10	2.4E+00	5.2E-06
8.0E-07	1.0E-03	2.5E-09	1.6E-01	5.5E-01	2.2E-10	2.4E+00	2.5E-06	1.0E-03	6.2E-09	1.6E-01	5.5E-01	5.4E-10	2.4E+00	5.2E-06
8.0E-07	1.0E-03	2.4E-09	1.6E-01	5.5E-01	2.1E-10	2.3E+00	2.5E-06	1.0E-03	6.1E-09	1.6E-01	5.5E-01	5.2E-10	2.3E+00	5.2E-06
8.0E-07	1.0E-03	2.3E-09	1.6E-01	5.5E-01	2.0E-10	2.3E+00	2.5E-06	1.0E-03	5.9E-09	1.6E-01	5.5E-01	5.1E-10	2.3E+00	5.2E-06
8.0E-07	1.0E-03	2.2E-09	1.6E-01	5.5E-01	1.9E-10	2.2E+00	2.5E-06	1.0E-03	5.8E-09	1.6E-01	5.5E-01	5.0E-10	2.2E+00	5.2E-06
8.0E-07	1.0E-03	2.1E-09	1.6E-01	5.5E-01	1.8E-10	2.1E+00	2.5E-06	1.0E-03	5.6E-09	1.6E-01	5.5E-01	4.8E-10	2.1E+00	5.2E-06
8.0E-07	1.0E-03	1.9E-09	1.6E-01	5.5E-01	1.7E-10	2.0E+00	2.5E-06	1.0E-03	5.4E-09	1.6E-01	5.5E-01	4.6E-10	2.0E+00	5.2E-06
8.0E-07	1.0E-03	1.8E-09	1.6E-01	5.5E-01	1.6E-10	2.0E+00	2.5E-06	1.0E-03	5.2E-09	1.6E-01	5.5E-01	4.5E-10	2.0E+00	5.2E-06
8.0E-07	1.0E-03	1.7E-09	1.6E-01	5.5E-01	1.5E-10	1.9E+00	2.5E-06	1.0E-03	5.0E-09	1.6E-01	5.5E-01	4.3E-10	1.9E+00	5.2E-06
8.0E-07	1.0E-03	1.6E-09	1.6E-01	5.5E-01	1.4E-10	1.8E+00	2.5E-06	1.0E-03	4.8E-09	1.6E-01	5.5E-01	4.1E-10	1.8E+00	5.2E-06
8.0E-07	1.0E-03	1.6E-09	1.6E-01	5.5E-01	1.3E-10	1.7E+00	2.5E-06	1.0E-03	4.6E-09	1.6E-01	5.5E-01	3.9E-10	1.7E+00	5.2E-06
8.0E-07	1.0E-03	2.2E-09	1.6E-01	5.5E-01	1.9E-10	1.7E+00	2.5E-06	1.0E-03	4.4E-09	1.6E-01	5.5E-01	3.8E-10	1.7E+00	5.2E-06
8.0E-07	1.0E-03	2.3E-09	1.6E-01	5.5E-01	2.0E-10	1.8E+00	2.5E-06	1.0E-03	4.6E-09	1.6E-01	5.5E-01	4.0E-10	1.8E+00	5.2E-06
8.0E-07	1.0E-03	2.4E-09	1.6E-01	5.5E-01	2.1E-10	1.8E+00	2.5E-06	1.0E-03	4.8E-09	1.6E-01	5.5E-01	4.2E-10	1.8E+00	5.2E-06
8.0E-07	1.0E-03	2.5E-09	1.6E-01	5.5E-01	2.2E-10	1.9E+00	2.5E-06	1.0E-03	5.0E-09	1.6E-01	5.5E-01	4.3E-10	1.9E+00	5.2E-06
8.0E-07	1.0E-03	2.6E-09	1.6E-01	5.5E-01	2.2E-10	2.0E+00	2.5E-06	1.0E-03	5.2E-09	1.6E-01	5.5E-01	4.5E-10	2.0E+00	5.2E-06
8.0E-07	1.0E-03	2.7E-09	1.6E-01	5.5E-01	2.3E-10	2.1E+00	2.5E-06	1.0E-03	5.4E-09	1.6E-01	5.5E-01	4.7E-10	2.1E+00	5.2E-06
8.0E-07	1.0E-03	2.7E-09	1.6E-01	5.5E-01	2.4E-10	2.1E+00	2.5E-06	1.0E-03	5.6E-09	1.6E-01	5.5E-01	4.8E-10	2.1E+00	5.2E-06
8.0E-07	1.0E-03	2.8E-09	1.6E-01	5.5E-01	2.4E-10	2.2E+00	2.5E-06	1.0E-03	5.7E-09	1.6E-01	5.5E-01	4.9E-10	2.2E+00	5.2E-06
8.0E-07	1.0E-03	2.8E-09	1.6E-01	5.5E-01	2.4E-10	2.2E+00	2.5E-06	1.0E-03	5.8E-09	1.6E-01	5.5E-01	5.0E-10	2.2E+00	5.2E-06
8.0E-07	1.0E-03	2.8E-09	1.6E-01	5.5E-01	2.4E-10	2.2E+00	2.5E-06	1.0E-03	5.9E-09	1.6E-01	5.5E-01	5.1E-10	2.2E+00	5.2E-06
8.0E-07	1.0E-03	2.7E-09	1.6E-01	5.5E-01	2.4E-10	2.3E+00	2.5E-06	1.0E-03	6.0E-09	1.6E-01	5.5E-01	5.1E-10	2.3E+00	5.2E-06
8.0E-07	1.0E-03	2.7E-09	1.6E-01	5.5E-01	2.3E-10	2.3E+00	2.5E-06	1.0E-03	6.0E-09	1.6E-01	5.5E-01	5.2E-10	2.3E+00	5.2E-06
8.0E-07	1.0E-03	2.6E-09	1.6E-01	5.5E-01	2.3E-10	2.3E+00	2.5E-06	1.0E-03	6.0E-09	1.6E-01	5.5E-01	5.2E-10	2.3E+00	5.2E-06
8.0E-07	1.0E-03	2.6E-09	1.6E-01	5.5E-01	2.2E-10	2.3E+00	2.5E-06	1.0E-03	6.0E-09	1.6E-01	5.5E-01	5.1E-10	2.3E+00	5.2E-06
8.0E-07	1.0E-03	2.5E-09	1.6E-01	5.5E-01	2.2E-10	2.3E+00	2.5E-06	1.0E-03	5.9E-09	1.6E-01	5.5E-01	5.1E-10	2.3E+00	5.2E-06
8.0E-07	1.0E-03	2.4E-09	1.6E-01	5.5E-01	2.1E-10	2.2E+00	2.5E-06	1.0E-03	5.9E-09	1.6E-01	5.5E-01	5.1E-10	2.2E+00	5.2E-06
8.0E-07	1.0E-03	2.3E-09	1.6E-01	5.5E-01	2.0E-10	2.2E+00	2.5E-06	1.0E-03	5.8E-09	1.6E-01	5.5E-01	5.0E-10	2.2E+00	5.2E-06
8.0E-07	1.0E-03	2.2E-09	1.6E-01	5.5E-01	1.9E-10	2.2E+00	2.5E-06	1.0E-03	5.7E-09	1.6E-01	5.5E-01	4.9E-10	2.2E+00	5.2E-06
8.0E-07	1.0E-03	2.1E-09	1.6E-01	5.5E-01	1.8E-10	2.1E+00	2.5E-06	1.0E-03	5.5E-09	1.6E-01	5.5E-01	4.8E-10	2.1E+00	5.2E-06
8.0E-07	1.0E-03	2.0E-09	1.6E-01	5.5E-01	1.7E-10	2.0E+00	2.5E-06	1.0E-03	5.4E-09	1.6E-01	5.5E-01	4.6E-10	2.0E+00	5.2E-06
8.0E-07	1.0E-03	1.9E-09	1.6E-01	5.5E-01	1.7E-10	2.0E+00	2.5E-06	1.0E-03	5.2E-09	1.6E-01	5.5E-01	4.5E-10	2.0E+00	5.2E-06
8.0E-07	1.0E-03	1.8E-09	1.6E-01	5.5E-01	1.6E-10	1.9E+00	2.5E-06	1.0E-03	5.1E-09	1.6E-01	5.5E-01	4.4E-10	1.9E+00	5.2E-06
8.0E-07	1.0E-03	1.7E-09	1.6E-01	5.5E-01	1.5E-10	1.9E+00	2.5E-06	1.0E-03	4.9E-09	1.6E-01	5.5E-01	4.2E-10	1.9E+00	5.2E-06
8.0E-07	1.0E-03	1.7E-09	1.6E-01	5.5E-01	1.4E-10	1.8E+00	2.5E-06	1.0E-03	4.7E-09	1.6E-01	5.5E-01	4.1E-10	1.8E+00	5.2E-06
8.0E-07	1.0E-03	1.6E-09	1.6E-01	5.5E-01	1.3E-10	1.7E+00	2.5E-06	1.0E-03	4.5E-09	1.6E-01	5.5E-01	3.9E-10	1.7E+00	5.2E-06
8.0E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-01	1.3E-10	1.7E+00	2.5E-06	1.0E-03	4.3E-09	1.6E-01	5.5E-01	3.7E-10	1.7E+00	5.2E-06
8.0E-07	1.0E-03	2.0E-09	1.6E-01	5.5E-01	1.7E-10	1.6E+00	2.5E-06	1.0E-03	4.1E-09	1.6E-01	5.5E-01	3.5E-10	1.6E+00	5.2E-06

8.0E-07	1.0E-03	2.1E-09	1.6E-01	5.5E-01	1.8E-10	1.6E+00	2.5E-06	1.0E-03	4.3E-09	1.6E-01	5.5E-01	3.7E-10	1.6E+00	5.2E-06
8.0E-07	1.0E-03	2.2E-09	1.6E-01	5.5E-01	1.9E-10	1.7E+00	2.5E-06	1.0E-03	4.5E-09	1.6E-01	5.5E-01	3.9E-10	1.7E+00	5.2E-06
8.0E-07	1.0E-03	2.3E-09	1.6E-01	5.5E-01	2.0E-10	1.8E+00	2.5E-06	1.0E-03	4.7E-09	1.6E-01	5.5E-01	4.0E-10	1.8E+00	5.2E-06
8.0E-07	1.0E-03	2.4E-09	1.6E-01	5.5E-01	2.0E-10	1.8E+00	2.5E-06	1.0E-03	4.8E-09	1.6E-01	5.5E-01	4.2E-10	1.8E+00	5.2E-06
8.0E-07	1.0E-03	2.4E-09	1.6E-01	5.5E-01	2.1E-10	1.9E+00	2.5E-06	1.0E-03	5.0E-09	1.6E-01	5.5E-01	4.3E-10	1.9E+00	5.2E-06
8.0E-07	1.0E-03	2.5E-09	1.6E-01	5.5E-01	2.1E-10	2.0E+00	2.5E-06	1.0E-03	5.1E-09	1.6E-01	5.5E-01	4.4E-10	2.0E+00	5.2E-06
8.0E-07	1.0E-03	2.5E-09	1.6E-01	5.5E-01	2.2E-10	2.0E+00	2.5E-06	1.0E-03	5.2E-09	1.6E-01	5.5E-01	4.5E-10	2.0E+00	5.2E-06
8.0E-07	1.0E-03	2.5E-09	1.6E-01	5.5E-01	2.2E-10	2.0E+00	2.5E-06	1.0E-03	5.4E-09	1.6E-01	5.5E-01	4.6E-10	2.0E+00	5.2E-06
8.0E-07	1.0E-03	2.5E-09	1.6E-01	5.5E-01	2.2E-10	2.1E+00	2.5E-06	1.0E-03	5.4E-09	1.6E-01	5.5E-01	4.7E-10	2.1E+00	5.2E-06
8.0E-07	1.0E-03	2.5E-09	1.6E-01	5.5E-01	2.2E-10	2.1E+00	2.5E-06	1.0E-03	5.5E-09	1.6E-01	5.5E-01	4.7E-10	2.1E+00	5.2E-06
8.0E-07	1.0E-03	2.5E-09	1.6E-01	5.5E-01	2.1E-10	2.1E+00	2.5E-06	1.0E-03	5.5E-09	1.6E-01	5.5E-01	4.8E-10	2.1E+00	5.2E-06
8.0E-07	1.0E-03	2.4E-09	1.6E-01	5.5E-01	2.1E-10	2.1E+00	2.5E-06	1.0E-03	5.5E-09	1.6E-01	5.5E-01	4.8E-10	2.1E+00	5.2E-06
8.0E-07	1.0E-03	2.4E-09	1.6E-01	5.5E-01	2.0E-10	2.1E+00	2.5E-06	1.0E-03	5.5E-09	1.6E-01	5.5E-01	4.8E-10	2.1E+00	5.2E-06
8.0E-07	1.0E-03	2.3E-09	1.6E-01	5.5E-01	2.0E-10	2.1E+00	2.5E-06	1.0E-03	5.5E-09	1.6E-01	5.5E-01	4.7E-10	2.1E+00	5.2E-06
8.0E-07	1.0E-03	2.2E-09	1.6E-01	5.5E-01	1.9E-10	2.1E+00	2.5E-06	1.0E-03	5.4E-09	1.6E-01	5.5E-01	4.7E-10	2.1E+00	5.2E-06
8.0E-07	1.0E-03	2.2E-09	1.6E-01	5.5E-01	1.9E-10	2.0E+00	2.5E-06	1.0E-03	5.4E-09	1.6E-01	5.5E-01	4.6E-10	2.0E+00	5.2E-06
8.0E-07	1.0E-03	2.1E-09	1.6E-01	5.5E-01	1.8E-10	2.0E+00	2.5E-06	1.0E-03	5.3E-09	1.6E-01	5.5E-01	4.5E-10	2.0E+00	5.2E-06
8.0E-07	1.0E-03	2.0E-09	1.6E-01	5.5E-01	1.7E-10	2.0E+00	2.5E-06	1.0E-03	5.2E-09	1.6E-01	5.5E-01	4.4E-10	2.0E+00	5.2E-06
8.0E-07	1.0E-03	1.9E-09	1.6E-01	5.5E-01	1.6E-10	1.9E+00	2.5E-06	1.0E-03	5.0E-09	1.6E-01	5.5E-01	4.3E-10	1.9E+00	5.2E-06
8.0E-07	1.0E-03	1.8E-09	1.6E-01	5.5E-01	1.6E-10	1.9E+00	2.5E-06	1.0E-03	4.9E-09	1.6E-01	5.5E-01	4.2E-10	1.9E+00	5.2E-06
8.0E-07	1.0E-03	1.7E-09	1.6E-01	5.5E-01	1.5E-10	1.8E+00	2.5E-06	1.0E-03	4.8E-09	1.6E-01	5.5E-01	4.1E-10	1.8E+00	5.2E-06
8.0E-07	1.0E-03	1.7E-09	1.6E-01	5.5E-01	1.4E-10	1.8E+00	2.5E-06	1.0E-03	4.6E-09	1.6E-01	5.5E-01	4.0E-10	1.8E+00	5.2E-06
8.0E-07	1.0E-03	1.6E-09	1.6E-01	5.5E-01	1.4E-10	1.7E+00	2.5E-06	1.0E-03	4.4E-09	1.6E-01	5.5E-01	3.8E-10	1.7E+00	5.2E-06
8.0E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-01	1.3E-10	1.6E+00	2.5E-06	1.0E-03	4.3E-09	1.6E-01	5.5E-01	3.7E-10	1.6E+00	5.2E-06
8.0E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-01	1.2E-10	1.6E+00	2.5E-06	1.0E-03	4.1E-09	1.6E-01	5.5E-01	3.6E-10	1.6E+00	5.2E-06
8.0E-07	1.0E-03	1.8E-09	1.6E-01	5.5E-01	1.6E-10	1.5E+00	2.5E-06	1.0E-03	3.8E-09	1.6E-01	5.5E-01	3.3E-10	1.5E+00	5.2E-06
8.0E-07	1.0E-03	1.9E-09	1.6E-01	5.5E-01	1.7E-10	1.5E+00	2.5E-06	1.0E-03	4.0E-09	1.6E-01	5.5E-01	3.5E-10	1.5E+00	5.2E-06
8.0E-07	1.0E-03	2.0E-09	1.6E-01	5.5E-01	1.7E-10	1.6E+00	2.5E-06	1.0E-03	4.2E-09	1.6E-01	5.5E-01	3.6E-10	1.6E+00	5.2E-06
8.0E-07	1.0E-03	2.1E-09	1.6E-01	5.5E-01	1.8E-10	1.6E+00	2.5E-06	1.0E-03	4.3E-09	1.6E-01	5.5E-01	3.7E-10	1.6E+00	5.2E-06
8.0E-07	1.0E-03	2.1E-09	1.6E-01	5.5E-01	1.8E-10	1.7E+00	2.5E-06	1.0E-03	4.5E-09	1.6E-01	5.5E-01	3.9E-10	1.7E+00	5.2E-06
8.0E-07	1.0E-03	2.2E-09	1.6E-01	5.5E-01	1.9E-10	1.8E+00	2.5E-06	1.0E-03	4.6E-09	1.6E-01	5.5E-01	4.0E-10	1.8E+00	5.2E-06
8.0E-07	1.0E-03	2.2E-09	1.6E-01	5.5E-01	1.9E-10	1.8E+00	2.5E-06	1.0E-03	4.7E-09	1.6E-01	5.5E-01	4.1E-10	1.8E+00	5.2E-06
8.0E-07	1.0E-03	2.3E-09	1.6E-01	5.5E-01	2.0E-10	1.8E+00	2.5E-06	1.0E-03	4.9E-09	1.6E-01	5.5E-01	4.2E-10	1.8E+00	5.2E-06
8.0E-07	1.0E-03	2.3E-09	1.6E-01	5.5E-01	2.0E-10	1.9E+00	2.5E-06	1.0E-03	4.9E-09	1.6E-01	5.5E-01	4.3E-10	1.9E+00	5.2E-06
8.0E-07	1.0E-03	2.3E-09	1.6E-01	5.5E-01	2.0E-10	1.9E+00	2.5E-06	1.0E-03	5.0E-09	1.6E-01	5.5E-01	4.3E-10	1.9E+00	5.2E-06
8.0E-07	1.0E-03	2.3E-09	1.6E-01	5.5E-01	2.0E-10	1.9E+00	2.5E-06	1.0E-03	5.1E-09	1.6E-01	5.5E-01	4.4E-10	1.9E+00	5.2E-06
8.0E-07	1.0E-03	2.3E-09	1.6E-01	5.5E-01	1.9E-10	1.9E+00	2.5E-06	1.0E-03	5.1E-09	1.6E-01	5.5E-01	4.4E-10	1.9E+00	5.2E-06
8.0E-07	1.0E-03	2.2E-09	1.6E-01	5.5E-01	1.9E-10	2.0E+00	2.5E-06	1.0E-03	5.1E-09	1.6E-01	5.5E-01	4.4E-10	2.0E+00	5.2E-06
8.0E-07	1.0E-03	2.2E-09	1.6E-01	5.5E-01	1.9E-10	2.0E+00	2.5E-06	1.0E-03	5.1E-09	1.6E-01	5.5E-01	4.4E-10	2.0E+00	5.2E-06
8.0E-07	1.0E-03	2.1E-09	1.6E-01	5.5E-01	1.8E-10	1.9E+00	2.5E-06	1.0E-03	5.1E-09	1.6E-01	5.5E-01	4.4E-10	1.9E+00	5.2E-06
8.0E-07	1.0E-03	2.1E-09	1.6E-01	5.5E-01	1.8E-10	1.9E+00	2.5E-06	1.0E-03	5.1E-09	1.6E-01	5.5E-01	4.4E-10	1.9E+00	5.2E-06
8.0E-07	1.0E-03	2.0E-09	1.6E-01	5.5E-01	1.7E-10	1.9E+00	2.5E-06	1.0E-03	5.0E-09	1.6E-01	5.5E-01	4.3E-10	1.9E+00	5.2E-06
8.0E-07	1.0E-03	1.9E-09	1.6E-01	5.5E-01	1.7E-10	1.9E+00	2.5E-06	1.0E-03	4.9E-09	1.6E-01	5.5E-01	4.2E-10	1.9E+00	5.2E-06
8.0E-07	1.0E-03	1.9E-09	1.6E-01	5.5E-01	1.6E-10	1.8E+00	2.5E-06	1.0E-03	4.8E-09	1.6E-01	5.5E-01	4.2E-10	1.8E+00	5.2E-06
8.0E-07	1.0E-03	1.8E-09	1.6E-01	5.5E-01	1.5E-10	1.8E+00	2.5E-06	1.0E-03	4.7E-09	1.6E-01	5.5E-01	4.1E-10	1.8E+00	5.2E-06
8.0E-07	1.0E-03	1.7E-09	1.6E-01	5.5E-01	1.5E-10	1.8E+00	2.5E-06	1.0E-03	4.6E-09	1.6E-01	5.5E-01	4.0E-10	1.8E+00	5.2E-06
8.0E-07	1.0E-03	1.6E-09	1.6E-01	5.5E-01	1.4E-10	1.7E+00	2.5E-06	1.0E-03	4.5E-09	1.6E-01	5.5E-01	3.9E-10	1.7E+00	5.2E-06
8.0E-07	1.0E-03	1.6E-09	1.6E-01	5.5E-01	1.4E-10	1.7E+00	2.5E-06	1.0E-03	4.3E-09	1.6E-01	5.5E-01	3.7E-10	1.7E+00	5.2E-06
8.0E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-01	1.3E-10	1.6E+00	2.5E-06	1.0E-03	4.2E-09	1.6E-01	5.5E-01	3.6E-10	1.6E+00	5.2E-06

8.0E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-01	1.2E-10	1.6E+00	2.5E-06	1.0E-03	4.1E-09	1.6E-01	5.5E-01	3.5E-10	1.6E+00	5.2E-06
8.0E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-01	1.2E-10	1.5E+00	2.5E-06	1.0E-03	3.9E-09	1.6E-01	5.5E-01	3.4E-10	1.5E+00	5.2E-06
8.0E-07	1.0E-03	1.7E-09	1.6E-01	5.5E-01	1.5E-10	1.4E+00	2.5E-06	1.0E-03	3.6E-09	1.6E-01	5.5E-01	3.1E-10	1.4E+00	5.2E-06
8.0E-07	1.0E-03	1.8E-09	1.6E-01	5.5E-01	1.5E-10	1.4E+00	2.5E-06	1.0E-03	3.7E-09	1.6E-01	5.5E-01	3.2E-10	1.4E+00	5.2E-06
8.0E-07	1.0E-03	1.8E-09	1.6E-01	5.5E-01	1.6E-10	1.5E+00	2.5E-06	1.0E-03	3.9E-09	1.6E-01	5.5E-01	3.4E-10	1.5E+00	5.2E-06
8.0E-07	1.0E-03	1.9E-09	1.6E-01	5.5E-01	1.6E-10	1.5E+00	2.5E-06	1.0E-03	4.0E-09	1.6E-01	5.5E-01	3.5E-10	1.5E+00	5.2E-06
8.0E-07	1.0E-03	2.0E-09	1.6E-01	5.5E-01	1.7E-10	1.6E+00	2.5E-06	1.0E-03	4.2E-09	1.6E-01	5.5E-01	3.6E-10	1.6E+00	5.2E-06
8.0E-07	1.0E-03	2.0E-09	1.6E-01	5.5E-01	1.7E-10	1.6E+00	2.5E-06	1.0E-03	4.3E-09	1.6E-01	5.5E-01	3.7E-10	1.6E+00	5.2E-06
8.0E-07	1.0E-03	2.0E-09	1.6E-01	5.5E-01	1.8E-10	1.7E+00	2.5E-06	1.0E-03	4.4E-09	1.6E-01	5.5E-01	3.8E-10	1.7E+00	5.2E-06
8.0E-07	1.0E-03	2.1E-09	1.6E-01	5.5E-01	1.8E-10	1.7E+00	2.5E-06	1.0E-03	4.5E-09	1.6E-01	5.5E-01	3.9E-10	1.7E+00	5.2E-06
8.0E-07	1.0E-03	2.1E-09	1.6E-01	5.5E-01	1.8E-10	1.7E+00	2.5E-06	1.0E-03	4.6E-09	1.6E-01	5.5E-01	3.9E-10	1.7E+00	5.2E-06
8.0E-07	1.0E-03	2.1E-09	1.6E-01	5.5E-01	1.8E-10	1.8E+00	2.5E-06	1.0E-03	4.7E-09	1.6E-01	5.5E-01	4.0E-10	1.8E+00	5.2E-06
8.0E-07	1.0E-03	2.1E-09	1.6E-01	5.5E-01	1.8E-10	1.8E+00	2.5E-06	1.0E-03	4.7E-09	1.6E-01	5.5E-01	4.1E-10	1.8E+00	5.2E-06
8.0E-07	1.0E-03	2.1E-09	1.6E-01	5.5E-01	1.8E-10	1.8E+00	2.5E-06	1.0E-03	4.7E-09	1.6E-01	5.5E-01	4.1E-10	1.8E+00	5.2E-06
8.0E-07	1.0E-03	2.0E-09	1.6E-01	5.5E-01	1.8E-10	1.8E+00	2.5E-06	1.0E-03	4.8E-09	1.6E-01	5.5E-01	4.1E-10	1.8E+00	5.2E-06
8.0E-07	1.0E-03	2.0E-09	1.6E-01	5.5E-01	1.7E-10	1.8E+00	2.5E-06	1.0E-03	4.8E-09	1.6E-01	5.5E-01	4.1E-10	1.8E+00	5.2E-06
8.0E-07	1.0E-03	2.0E-09	1.6E-01	5.5E-01	1.7E-10	1.8E+00	2.5E-06	1.0E-03	4.7E-09	1.6E-01	5.5E-01	4.1E-10	1.8E+00	5.2E-06
8.0E-07	1.0E-03	1.9E-09	1.6E-01	5.5E-01	1.7E-10	1.8E+00	2.5E-06	1.0E-03	4.7E-09	1.6E-01	5.5E-01	4.1E-10	1.8E+00	5.2E-06
8.0E-07	1.0E-03	1.9E-09	1.6E-01	5.5E-01	1.6E-10	1.8E+00	2.5E-06	1.0E-03	4.7E-09	1.6E-01	5.5E-01	4.0E-10	1.8E+00	5.2E-06
8.0E-07	1.0E-03	1.8E-09	1.6E-01	5.5E-01	1.6E-10	1.8E+00	2.5E-06	1.0E-03	4.6E-09	1.6E-01	5.5E-01	4.0E-10	1.8E+00	5.2E-06
8.0E-07	1.0E-03	1.8E-09	1.6E-01	5.5E-01	1.5E-10	1.7E+00	2.5E-06	1.0E-03	4.5E-09	1.6E-01	5.5E-01	3.9E-10	1.7E+00	5.2E-06
8.0E-07	1.0E-03	1.7E-09	1.6E-01	5.5E-01	1.5E-10	1.7E+00	2.5E-06	1.0E-03	4.4E-09	1.6E-01	5.5E-01	3.8E-10	1.7E+00	5.2E-06
8.0E-07	1.0E-03	1.6E-09	1.6E-01	5.5E-01	1.4E-10	1.6E+00	2.5E-06	1.0E-03	4.3E-09	1.6E-01	5.5E-01	3.7E-10	1.6E+00	5.2E-06
8.0E-07	1.0E-03	1.6E-09	1.6E-01	5.5E-01	1.3E-10	1.6E+00	2.5E-06	1.0E-03	4.2E-09	1.6E-01	5.5E-01	3.6E-10	1.6E+00	5.2E-06
8.0E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-01	1.3E-10	1.6E+00	2.5E-06	1.0E-03	4.1E-09	1.6E-01	5.5E-01	3.5E-10	1.6E+00	5.2E-06
8.0E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-01	1.2E-10	1.5E+00	2.5E-06	1.0E-03	4.0E-09	1.6E-01	5.5E-01	3.4E-10	1.5E+00	5.2E-06
8.0E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-01	1.2E-10	1.5E+00	2.5E-06	1.0E-03	3.9E-09	1.6E-01	5.5E-01	3.3E-10	1.5E+00	5.2E-06
8.0E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-01	1.1E-10	1.4E+00	2.5E-06	1.0E-03	3.7E-09	1.6E-01	5.5E-01	3.2E-10	1.4E+00	5.2E-06

Franklin School Project

Risk From New Building Const - Unmitigated Residential

Haul Route 1A							Haul Route 2A				
D1	Dose	R1	ED	Risk	Conc	g/sec	D1	Dose	R1	ED	Risk
1.0E-03	1.8E-09	1.6E-01	5.5E-01	1.6E-10	3.9E+00	5.5E-07	1.0E-03	2.3E-09	1.6E-01	5.5E-01	1.9E-10
1.0E-03	2.1E-09	1.6E-01	5.5E-01	1.8E-10	4.4E+00	5.5E-07	1.0E-03	2.5E-09	1.6E-01	5.5E-01	2.2E-10
1.0E-03	2.4E-09	1.6E-01	5.5E-01	2.1E-10	4.7E+00	5.5E-07	1.0E-03	2.7E-09	1.6E-01	5.5E-01	2.3E-10
1.0E-03	2.8E-09	1.6E-01	5.5E-01	2.4E-10	4.8E+00	5.5E-07	1.0E-03	2.8E-09	1.6E-01	5.5E-01	2.4E-10
1.0E-03	3.1E-09	1.6E-01	5.5E-01	2.7E-10	4.8E+00	5.5E-07	1.0E-03	2.8E-09	1.6E-01	5.5E-01	2.4E-10
1.0E-03	3.5E-09	1.6E-01	5.5E-01	3.0E-10	4.7E+00	5.5E-07	1.0E-03	2.7E-09	1.6E-01	5.5E-01	2.3E-10
1.0E-03	3.8E-09	1.6E-01	5.5E-01	3.3E-10	4.3E+00	5.5E-07	1.0E-03	2.5E-09	1.6E-01	5.5E-01	2.1E-10
1.0E-03	4.1E-09	1.6E-01	5.5E-01	3.6E-10	3.6E+00	5.5E-07	1.0E-03	2.1E-09	1.6E-01	5.5E-01	1.8E-10
1.0E-03	4.5E-09	1.6E-01	5.5E-01	3.9E-10	2.8E+00	5.5E-07	1.0E-03	1.6E-09	1.6E-01	5.5E-01	1.4E-10
1.0E-03	5.0E-09	1.6E-01	5.5E-01	4.3E-10	2.2E+00	5.5E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-01	1.1E-10
1.0E-03	5.3E-09	1.6E-01	5.5E-01	4.6E-10	1.6E+00	5.5E-07	1.0E-03	9.5E-10	1.6E-01	5.5E-01	8.2E-11
1.0E-03	5.6E-09	1.6E-01	5.5E-01	4.8E-10	1.3E+00	5.5E-07	1.0E-03	7.4E-10	1.6E-01	5.5E-01	6.3E-11
1.0E-03	5.6E-09	1.6E-01	5.5E-01	4.8E-10	1.0E+00	5.5E-07	1.0E-03	5.8E-10	1.6E-01	5.5E-01	5.0E-11
1.0E-03	5.5E-09	1.6E-01	5.5E-01	4.7E-10	8.0E-01	5.5E-07	1.0E-03	4.6E-10	1.6E-01	5.5E-01	4.0E-11
1.0E-03	5.1E-09	1.6E-01	5.5E-01	4.4E-10	6.5E-01	5.5E-07	1.0E-03	3.8E-10	1.6E-01	5.5E-01	3.3E-11
1.0E-03	4.7E-09	1.6E-01	5.5E-01	4.1E-10	5.4E-01	5.5E-07	1.0E-03	3.1E-10	1.6E-01	5.5E-01	2.7E-11
1.0E-03	2.1E-09	1.6E-01	5.5E-01	1.8E-10	8.3E+00	5.5E-07	1.0E-03	4.8E-09	1.6E-01	5.5E-01	4.1E-10
1.0E-03	2.5E-09	1.6E-01	5.5E-01	2.2E-10	8.9E+00	5.5E-07	1.0E-03	5.2E-09	1.6E-01	5.5E-01	4.5E-10
1.0E-03	3.0E-09	1.6E-01	5.5E-01	2.6E-10	9.3E+00	5.5E-07	1.0E-03	5.4E-09	1.6E-01	5.5E-01	4.6E-10
1.0E-03	3.5E-09	1.6E-01	5.5E-01	3.0E-10	9.5E+00	5.5E-07	1.0E-03	5.5E-09	1.6E-01	5.5E-01	4.7E-10
1.0E-03	4.1E-09	1.6E-01	5.5E-01	3.5E-10	9.4E+00	5.5E-07	1.0E-03	5.5E-09	1.6E-01	5.5E-01	4.7E-10
1.0E-03	4.7E-09	1.6E-01	5.5E-01	4.0E-10	9.0E+00	5.5E-07	1.0E-03	5.2E-09	1.6E-01	5.5E-01	4.5E-10
1.0E-03	5.3E-09	1.6E-01	5.5E-01	4.5E-10	7.7E+00	5.5E-07	1.0E-03	4.5E-09	1.6E-01	5.5E-01	3.9E-10
1.0E-03	5.8E-09	1.6E-01	5.5E-01	5.0E-10	5.3E+00	5.5E-07	1.0E-03	3.1E-09	1.6E-01	5.5E-01	2.6E-10
1.0E-03	6.5E-09	1.6E-01	5.5E-01	5.6E-10	3.4E+00	5.5E-07	1.0E-03	2.0E-09	1.6E-01	5.5E-01	1.7E-10
1.0E-03	7.2E-09	1.6E-01	5.5E-01	6.2E-10	2.3E+00	5.5E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-01	1.2E-10
1.0E-03	7.6E-09	1.6E-01	5.5E-01	6.6E-10	1.7E+00	5.5E-07	1.0E-03	9.6E-10	1.6E-01	5.5E-01	8.3E-11
1.0E-03	7.7E-09	1.6E-01	5.5E-01	6.7E-10	1.2E+00	5.5E-07	1.0E-03	7.1E-10	1.6E-01	5.5E-01	6.1E-11
1.0E-03	7.4E-09	1.6E-01	5.5E-01	6.4E-10	9.4E-01	5.5E-07	1.0E-03	5.5E-10	1.6E-01	5.5E-01	4.7E-11
1.0E-03	6.9E-09	1.6E-01	5.5E-01	5.9E-10	7.5E-01	5.5E-07	1.0E-03	4.3E-10	1.6E-01	5.5E-01	3.7E-11
1.0E-03	6.2E-09	1.6E-01	5.5E-01	5.3E-10	6.1E-01	5.5E-07	1.0E-03	3.5E-10	1.6E-01	5.5E-01	3.0E-11
1.0E-03	5.5E-09	1.6E-01	5.5E-01	4.7E-10	5.0E-01	5.5E-07	1.0E-03	2.9E-10	1.6E-01	5.5E-01	2.5E-11
1.0E-03	2.5E-09	1.6E-01	5.5E-01	2.1E-10	6.9E+00	5.5E-07	1.0E-03	4.0E-09	1.6E-01	5.5E-01	3.4E-10
1.0E-03	3.0E-09	1.6E-01	5.5E-01	2.6E-10	1.1E+01	5.5E-07	1.0E-03	6.4E-09	1.6E-01	5.5E-01	5.5E-10
1.0E-03	3.7E-09	1.6E-01	5.5E-01	3.2E-10	6.2E+00	5.5E-07	1.0E-03	3.6E-09	1.6E-01	5.5E-01	3.1E-10
1.0E-03	4.6E-09	1.6E-01	5.5E-01	3.9E-10	6.1E+00	5.5E-07	1.0E-03	3.6E-09	1.6E-01	5.5E-01	3.1E-10
1.0E-03	5.6E-09	1.6E-01	5.5E-01	4.8E-10	6.0E+00	5.5E-07	1.0E-03	3.5E-09	1.6E-01	5.5E-01	3.0E-10
1.0E-03	6.7E-09	1.6E-01	5.5E-01	5.7E-10	5.4E+00	5.5E-07	1.0E-03	3.1E-09	1.6E-01	5.5E-01	2.7E-10
1.0E-03	7.7E-09	1.6E-01	5.5E-01	6.7E-10	6.2E+00	5.5E-07	1.0E-03	3.6E-09	1.6E-01	5.5E-01	3.1E-10
1.0E-03	8.9E-09	1.6E-01	5.5E-01	7.6E-10	7.1E+00	5.5E-07	1.0E-03	4.1E-09	1.6E-01	5.5E-01	3.6E-10
1.0E-03	1.0E-08	1.6E-01	5.5E-01	8.7E-10	3.6E+00	5.5E-07	1.0E-03	2.1E-09	1.6E-01	5.5E-01	1.8E-10
1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.5E-10	2.2E+00	5.5E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-01	1.1E-10
1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.7E-10	1.5E+00	5.5E-07	1.0E-03	8.8E-10	1.6E-01	5.5E-01	7.6E-11

1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.3E-10	1.1E+00	5.5E-07	1.0E-03	6.4E-10	1.6E-01	5.5E-01	5.5E-11
1.0E-03	9.7E-09	1.6E-01	5.5E-01	8.4E-10	8.5E-01	5.5E-07	1.0E-03	4.9E-10	1.6E-01	5.5E-01	4.2E-11
1.0E-03	8.5E-09	1.6E-01	5.5E-01	7.3E-10	6.7E-01	5.5E-07	1.0E-03	3.9E-10	1.6E-01	5.5E-01	3.3E-11
1.0E-03	7.3E-09	1.6E-01	5.5E-01	6.2E-10	5.4E-01	5.5E-07	1.0E-03	3.2E-10	1.6E-01	5.5E-01	2.7E-11
1.0E-03	6.1E-09	1.6E-01	5.5E-01	5.3E-10	4.5E-01	5.5E-07	1.0E-03	2.6E-10	1.6E-01	5.5E-01	2.3E-11
1.0E-03	2.8E-09	1.6E-01	5.5E-01	2.4E-10	6.3E+00	5.5E-07	1.0E-03	3.7E-09	1.6E-01	5.5E-01	3.2E-10
1.0E-03	3.6E-09	1.6E-01	5.5E-01	3.1E-10	1.0E+01	5.5E-07	1.0E-03	5.9E-09	1.6E-01	5.5E-01	5.1E-10
1.0E-03	4.6E-09	1.6E-01	5.5E-01	4.0E-10	5.6E+00	5.5E-07	1.0E-03	3.3E-09	1.6E-01	5.5E-01	2.8E-10
1.0E-03	6.1E-09	1.6E-01	5.5E-01	5.2E-10	5.5E+00	5.5E-07	1.0E-03	3.2E-09	1.6E-01	5.5E-01	2.7E-10
1.0E-03	8.0E-09	1.6E-01	5.5E-01	6.9E-10	5.3E+00	5.5E-07	1.0E-03	3.0E-09	1.6E-01	5.5E-01	2.6E-10
1.0E-03	1.0E-08	1.6E-01	5.5E-01	8.9E-10	4.5E+00	5.5E-07	1.0E-03	2.6E-09	1.6E-01	5.5E-01	2.3E-10
1.0E-03	1.3E-08	1.6E-01	5.5E-01	1.1E-09	5.2E+00	5.5E-07	1.0E-03	3.0E-09	1.6E-01	5.5E-01	2.6E-10
1.0E-03	1.5E-08	1.6E-01	5.5E-01	1.3E-09	6.0E+00	5.5E-07	1.0E-03	3.5E-09	1.6E-01	5.5E-01	3.0E-10
1.0E-03	1.7E-08	1.6E-01	5.5E-01	1.5E-09	3.0E+00	5.5E-07	1.0E-03	1.8E-09	1.6E-01	5.5E-01	1.5E-10
1.0E-03	1.8E-08	1.6E-01	5.5E-01	1.6E-09	1.9E+00	5.5E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-01	9.4E-11
1.0E-03	1.7E-08	1.6E-01	5.5E-01	1.5E-09	1.3E+00	5.5E-07	1.0E-03	7.5E-10	1.6E-01	5.5E-01	6.4E-11
1.0E-03	1.5E-08	1.6E-01	5.5E-01	1.3E-09	9.5E-01	5.5E-07	1.0E-03	5.5E-10	1.6E-01	5.5E-01	4.8E-11
1.0E-03	1.2E-08	1.6E-01	5.5E-01	1.0E-09	7.4E-01	5.5E-07	1.0E-03	4.3E-10	1.6E-01	5.5E-01	3.7E-11
1.0E-03	9.9E-09	1.6E-01	5.5E-01	8.5E-10	5.9E-01	5.5E-07	1.0E-03	3.4E-10	1.6E-01	5.5E-01	2.9E-11
1.0E-03	8.0E-09	1.6E-01	5.5E-01	6.9E-10	4.8E-01	5.5E-07	1.0E-03	2.8E-10	1.6E-01	5.5E-01	2.4E-11
1.0E-03	6.5E-09	1.6E-01	5.5E-01	5.6E-10	4.0E-01	5.5E-07	1.0E-03	2.3E-10	1.6E-01	5.5E-01	2.0E-11
1.0E-03	3.2E-09	1.6E-01	5.5E-01	2.7E-10	7.0E+00	5.5E-07	1.0E-03	4.1E-09	1.6E-01	5.5E-01	3.5E-10
1.0E-03	4.2E-09	1.6E-01	5.5E-01	3.6E-10	7.3E+00	5.5E-07	1.0E-03	4.2E-09	1.6E-01	5.5E-01	3.6E-10
1.0E-03	5.8E-09	1.6E-01	5.5E-01	5.0E-10	7.4E+00	5.5E-07	1.0E-03	4.3E-09	1.6E-01	5.5E-01	3.7E-10
1.0E-03	8.2E-09	1.6E-01	5.5E-01	7.1E-10	7.3E+00	5.5E-07	1.0E-03	4.2E-09	1.6E-01	5.5E-01	3.6E-10
1.0E-03	1.2E-08	1.6E-01	5.5E-01	1.0E-09	7.0E+00	5.5E-07	1.0E-03	4.1E-09	1.6E-01	5.5E-01	3.5E-10
1.0E-03	1.8E-08	1.6E-01	5.5E-01	1.5E-09	6.4E+00	5.5E-07	1.0E-03	3.7E-09	1.6E-01	5.5E-01	3.2E-10
1.0E-03	2.4E-08	1.6E-01	5.5E-01	2.1E-09	5.2E+00	5.5E-07	1.0E-03	3.0E-09	1.6E-01	5.5E-01	2.6E-10
1.0E-03	3.0E-08	1.6E-01	5.5E-01	2.6E-09	3.4E+00	5.5E-07	1.0E-03	2.0E-09	1.6E-01	5.5E-01	1.7E-10
1.0E-03	3.3E-08	1.6E-01	5.5E-01	2.9E-09	2.2E+00	5.5E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-01	1.1E-10
1.0E-03	3.0E-08	1.6E-01	5.5E-01	2.6E-09	1.5E+00	5.5E-07	1.0E-03	8.7E-10	1.6E-01	5.5E-01	7.5E-11
1.0E-03	2.4E-08	1.6E-01	5.5E-01	2.1E-09	1.1E+00	5.5E-07	1.0E-03	6.2E-10	1.6E-01	5.5E-01	5.4E-11
1.0E-03	1.9E-08	1.6E-01	5.5E-01	1.6E-09	8.2E-01	5.5E-07	1.0E-03	4.7E-10	1.6E-01	5.5E-01	4.1E-11
1.0E-03	1.4E-08	1.6E-01	5.5E-01	1.2E-09	6.4E-01	5.5E-07	1.0E-03	3.7E-10	1.6E-01	5.5E-01	3.2E-11
1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.3E-10	5.2E-01	5.5E-07	1.0E-03	3.0E-10	1.6E-01	5.5E-01	2.6E-11
1.0E-03	8.3E-09	1.6E-01	5.5E-01	7.2E-10	4.3E-01	5.5E-07	1.0E-03	2.5E-10	1.6E-01	5.5E-01	2.2E-11
1.0E-03	6.6E-09	1.6E-01	5.5E-01	5.7E-10	3.6E-01	5.5E-07	1.0E-03	2.1E-10	1.6E-01	5.5E-01	1.8E-11
1.0E-03	3.5E-09	1.6E-01	5.5E-01	3.0E-10	3.5E+00	5.5E-07	1.0E-03	2.1E-09	1.6E-01	5.5E-01	1.8E-10
1.0E-03	4.7E-09	1.6E-01	5.5E-01	4.1E-10	3.8E+00	5.5E-07	1.0E-03	2.2E-09	1.6E-01	5.5E-01	1.9E-10
1.0E-03	6.9E-09	1.6E-01	5.5E-01	6.0E-10	3.8E+00	5.5E-07	1.0E-03	2.2E-09	1.6E-01	5.5E-01	1.9E-10
1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.4E-10	3.8E+00	5.5E-07	1.0E-03	2.2E-09	1.6E-01	5.5E-01	1.9E-10
1.0E-03	1.9E-08	1.6E-01	5.5E-01	1.6E-09	3.7E+00	5.5E-07	1.0E-03	2.1E-09	1.6E-01	5.5E-01	1.8E-10
1.0E-03	3.5E-08	1.6E-01	5.5E-01	3.0E-09	3.4E+00	5.5E-07	1.0E-03	2.0E-09	1.6E-01	5.5E-01	1.7E-10
1.0E-03	6.1E-08	1.6E-01	5.5E-01	5.2E-09	2.9E+00	5.5E-07	1.0E-03	1.7E-09	1.6E-01	5.5E-01	1.4E-10
1.0E-03	8.0E-08	1.6E-01	5.5E-01	6.9E-09	2.2E+00	5.5E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-01	1.1E-10
1.0E-03	6.9E-08	1.6E-01	5.5E-01	6.0E-09	1.6E+00	5.5E-07	1.0E-03	9.5E-10	1.6E-01	5.5E-01	8.2E-11
1.0E-03	4.7E-08	1.6E-01	5.5E-01	4.1E-09	1.2E+00	5.5E-07	1.0E-03	7.0E-10	1.6E-01	5.5E-01	6.0E-11
1.0E-03	3.1E-08	1.6E-01	5.5E-01	2.7E-09	9.1E-01	5.5E-07	1.0E-03	5.3E-10	1.6E-01	5.5E-01	4.5E-11
1.0E-03	2.1E-08	1.6E-01	5.5E-01	1.8E-09	7.1E-01	5.5E-07	1.0E-03	4.1E-10	1.6E-01	5.5E-01	3.5E-11

1.0E-03	1.5E-08	1.6E-01	5.5E-01	1.3E-09	5.7E-01	5.5E-07	1.0E-03	3.3E-10	1.6E-01	5.5E-01	2.8E-11
1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.2E-10	4.7E-01	5.5E-07	1.0E-03	2.7E-10	1.6E-01	5.5E-01	2.3E-11
1.0E-03	8.0E-09	1.6E-01	5.5E-01	6.9E-10	3.9E-01	5.5E-07	1.0E-03	2.3E-10	1.6E-01	5.5E-01	1.9E-11
1.0E-03	6.2E-09	1.6E-01	5.5E-01	5.4E-10	3.3E-01	5.5E-07	1.0E-03	1.9E-10	1.6E-01	5.5E-01	1.7E-11
1.0E-03	3.7E-09	1.6E-01	5.5E-01	3.2E-10	2.2E+00	5.5E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-01	1.1E-10
1.0E-03	5.1E-09	1.6E-01	5.5E-01	4.4E-10	2.4E+00	5.5E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-01	1.2E-10
1.0E-03	7.8E-09	1.6E-01	5.5E-01	6.7E-10	2.4E+00	5.5E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-01	1.2E-10
1.0E-03	1.3E-08	1.6E-01	5.5E-01	1.1E-09	2.4E+00	5.5E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-01	1.2E-10
1.0E-03	2.7E-08	1.6E-01	5.5E-01	2.3E-09	2.4E+00	5.5E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-01	1.2E-10
1.0E-03	7.6E-08	1.6E-01	5.5E-01	6.6E-09	2.2E+00	5.5E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-01	1.1E-10
1.0E-03	2.9E-07	1.6E-01	5.5E-01	2.5E-08	1.9E+00	5.5E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-01	9.7E-11
1.0E-03	3.3E-07	1.6E-01	5.5E-01	2.8E-08	1.6E+00	5.5E-07	1.0E-03	9.3E-10	1.6E-01	5.5E-01	8.0E-11
1.0E-03	1.3E-07	1.6E-01	5.5E-01	1.1E-08	1.3E+00	5.5E-07	1.0E-03	7.5E-10	1.6E-01	5.5E-01	6.4E-11
1.0E-03	5.9E-08	1.6E-01	5.5E-01	5.1E-09	1.0E+00	5.5E-07	1.0E-03	5.8E-10	1.6E-01	5.5E-01	5.0E-11
1.0E-03	3.2E-08	1.6E-01	5.5E-01	2.8E-09	7.9E-01	5.5E-07	1.0E-03	4.6E-10	1.6E-01	5.5E-01	3.9E-11
1.0E-03	2.0E-08	1.6E-01	5.5E-01	1.7E-09	6.3E-01	5.5E-07	1.0E-03	3.7E-10	1.6E-01	5.5E-01	3.1E-11
1.0E-03	1.4E-08	1.6E-01	5.5E-01	1.2E-09	5.1E-01	5.5E-07	1.0E-03	3.0E-10	1.6E-01	5.5E-01	2.6E-11
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1.0E-03	7.3E-09	1.6E-01	5.5E-01	6.2E-10	3.6E-01	5.5E-07	1.0E-03	2.1E-10	1.6E-01	5.5E-01	1.8E-11
1.0E-03	5.6E-09	1.6E-01	5.5E-01	4.8E-10	3.1E-01	5.5E-07	1.0E-03	1.8E-10	1.6E-01	5.5E-01	1.5E-11
1.0E-03	3.7E-09	1.6E-01	5.5E-01	3.2E-10	1.5E+00	5.5E-07	1.0E-03	8.7E-10	1.6E-01	5.5E-01	7.5E-11
1.0E-03	5.2E-09	1.6E-01	5.5E-01	4.5E-10	1.6E+00	5.5E-07	1.0E-03	9.4E-10	1.6E-01	5.5E-01	8.1E-11
1.0E-03	8.0E-09	1.6E-01	5.5E-01	6.9E-10	1.7E+00	5.5E-07	1.0E-03	9.8E-10	1.6E-01	5.5E-01	8.4E-11
1.0E-03	1.4E-08	1.6E-01	5.5E-01	1.2E-09	1.7E+00	5.5E-07	1.0E-03	9.9E-10	1.6E-01	5.5E-01	8.5E-11
1.0E-03	3.0E-08	1.6E-01	5.5E-01	2.5E-09	1.7E+00	5.5E-07	1.0E-03	9.6E-10	1.6E-01	5.5E-01	8.3E-11
1.0E-03	5.2E-08	1.6E-01	5.5E-01	4.4E-09	8.5E-01	5.5E-07	1.0E-03	4.9E-10	1.6E-01	5.5E-01	4.2E-11
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1.0E-03	3.6E-09	1.6E-01	5.5E-01	3.1E-10	1.1E+00	5.5E-07	1.0E-03	6.3E-10	1.6E-01	5.5E-01	5.4E-11
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1.0E-03	2.2E-08	1.6E-01	5.5E-01	1.9E-09	1.2E+00	5.5E-07	1.0E-03	7.2E-10	1.6E-01	5.5E-01	6.2E-11
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1.0E-03	5.4E-09	1.6E-01	5.5E-01	4.6E-10	3.1E-01	5.5E-07	1.0E-03	1.8E-10	1.6E-01	5.5E-01	1.6E-11
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1.0E-03	1.5E-08	1.6E-01	5.5E-01	1.2E-09	9.6E-01	5.5E-07	1.0E-03	5.5E-10	1.6E-01	5.5E-01	4.8E-11

1.0E-03	2.2E-08	1.6E-01	5.5E-01	1.9E-09	6.1E-01	5.5E-07	1.0E-03	3.6E-10	1.6E-01	5.5E-01	3.1E-11
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1.0E-03	5.1E-09	1.6E-01	5.5E-01	4.4E-10	7.4E-01	5.5E-07	1.0E-03	4.3E-10	1.6E-01	5.5E-01	3.7E-11
1.0E-03	7.0E-09	1.6E-01	5.5E-01	6.0E-10	7.6E-01	5.5E-07	1.0E-03	4.4E-10	1.6E-01	5.5E-01	3.8E-11
1.0E-03	1.0E-08	1.6E-01	5.5E-01	8.6E-10	7.6E-01	5.5E-07	1.0E-03	4.4E-10	1.6E-01	5.5E-01	3.8E-11
1.0E-03	1.6E-08	1.6E-01	5.5E-01	1.4E-09	5.3E-01	5.5E-07	1.0E-03	3.1E-10	1.6E-01	5.5E-01	2.7E-11
1.0E-03	1.2E-08	1.6E-01	5.5E-01	1.0E-09	4.7E-01	5.5E-07	1.0E-03	2.7E-10	1.6E-01	5.5E-01	2.3E-11
1.0E-03	8.7E-09	1.6E-01	5.5E-01	7.5E-10	4.1E-01	5.5E-07	1.0E-03	2.4E-10	1.6E-01	5.5E-01	2.0E-11
1.0E-03	6.9E-09	1.6E-01	5.5E-01	5.9E-10	3.6E-01	5.5E-07	1.0E-03	2.1E-10	1.6E-01	5.5E-01	1.8E-11
1.0E-03	5.3E-09	1.6E-01	5.5E-01	4.6E-10	3.2E-01	5.5E-07	1.0E-03	1.8E-10	1.6E-01	5.5E-01	1.6E-11
1.0E-03	4.2E-09	1.6E-01	5.5E-01	3.6E-10	2.8E-01	5.5E-07	1.0E-03	1.6E-10	1.6E-01	5.5E-01	1.4E-11
1.0E-03	3.4E-09	1.6E-01	5.5E-01	2.9E-10	2.4E-01	5.5E-07	1.0E-03	1.4E-10	1.6E-01	5.5E-01	1.2E-11
1.0E-03	2.6E-09	1.6E-01	5.5E-01	2.2E-10	5.3E-01	5.5E-07	1.0E-03	3.1E-10	1.6E-01	5.5E-01	2.6E-11
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1.0E-03	4.1E-09	1.6E-01	5.5E-01	3.5E-10	6.0E-01	5.5E-07	1.0E-03	3.5E-10	1.6E-01	5.5E-01	3.0E-11
1.0E-03	5.4E-09	1.6E-01	5.5E-01	4.6E-10	6.1E-01	5.5E-07	1.0E-03	3.5E-10	1.6E-01	5.5E-01	3.1E-11
1.0E-03	7.3E-09	1.6E-01	5.5E-01	6.3E-10	6.2E-01	5.5E-07	1.0E-03	3.6E-10	1.6E-01	5.5E-01	3.1E-11
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1.0E-03	1.2E-08	1.6E-01	5.5E-01	1.0E-09	5.8E-01	5.5E-07	1.0E-03	3.4E-10	1.6E-01	5.5E-01	2.9E-11
1.0E-03	1.3E-08	1.6E-01	5.5E-01	1.1E-09	5.5E-01	5.5E-07	1.0E-03	3.2E-10	1.6E-01	5.5E-01	2.7E-11
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1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.8E-10	4.6E-01	5.5E-07	1.0E-03	2.7E-10	1.6E-01	5.5E-01	2.3E-11
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1.0E-03	5.7E-09	1.6E-01	5.5E-01	4.9E-10	3.2E-01	5.5E-07	1.0E-03	1.9E-10	1.6E-01	5.5E-01	1.6E-11
1.0E-03	4.7E-09	1.6E-01	5.5E-01	4.1E-10	2.9E-01	5.5E-07	1.0E-03	1.7E-10	1.6E-01	5.5E-01	1.5E-11
1.0E-03	3.8E-09	1.6E-01	5.5E-01	3.3E-10	2.6E-01	5.5E-07	1.0E-03	1.5E-10	1.6E-01	5.5E-01	1.3E-11
1.0E-03	3.1E-09	1.6E-01	5.5E-01	2.7E-10	2.3E-01	5.5E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-01	1.2E-11
1.0E-03	2.2E-09	1.6E-01	5.5E-01	1.9E-10	4.4E-01	5.5E-07	1.0E-03	2.5E-10	1.6E-01	5.5E-01	2.2E-11
1.0E-03	2.7E-09	1.6E-01	5.5E-01	2.3E-10	4.7E-01	5.5E-07	1.0E-03	2.7E-10	1.6E-01	5.5E-01	2.3E-11
1.0E-03	3.4E-09	1.6E-01	5.5E-01	2.9E-10	4.9E-01	5.5E-07	1.0E-03	2.8E-10	1.6E-01	5.5E-01	2.4E-11
1.0E-03	4.3E-09	1.6E-01	5.5E-01	3.7E-10	5.0E-01	5.5E-07	1.0E-03	2.9E-10	1.6E-01	5.5E-01	2.5E-11
1.0E-03	5.5E-09	1.6E-01	5.5E-01	4.8E-10	5.1E-01	5.5E-07	1.0E-03	2.9E-10	1.6E-01	5.5E-01	2.5E-11
1.0E-03	6.9E-09	1.6E-01	5.5E-01	6.0E-10	5.0E-01	5.5E-07	1.0E-03	2.9E-10	1.6E-01	5.5E-01	2.5E-11
1.0E-03	8.2E-09	1.6E-01	5.5E-01	7.1E-10	4.9E-01	5.5E-07	1.0E-03	2.8E-10	1.6E-01	5.5E-01	2.4E-11
1.0E-03	9.0E-09	1.6E-01	5.5E-01	7.7E-10	4.7E-01	5.5E-07	1.0E-03	2.7E-10	1.6E-01	5.5E-01	2.3E-11
1.0E-03	9.0E-09	1.6E-01	5.5E-01	7.8E-10	4.4E-01	5.5E-07	1.0E-03	2.5E-10	1.6E-01	5.5E-01	2.2E-11
1.0E-03	8.4E-09	1.6E-01	5.5E-01	7.2E-10	4.0E-01	5.5E-07	1.0E-03	2.3E-10	1.6E-01	5.5E-01	2.0E-11
1.0E-03	7.3E-09	1.6E-01	5.5E-01	6.3E-10	3.7E-01	5.5E-07	1.0E-03	2.1E-10	1.6E-01	5.5E-01	1.8E-11
1.0E-03	6.1E-09	1.6E-01	5.5E-01	5.3E-10	3.3E-01	5.5E-07	1.0E-03	1.9E-10	1.6E-01	5.5E-01	1.7E-11
1.0E-03	4.8E-09	1.6E-01	5.5E-01	4.2E-10	2.9E-01	5.5E-07	1.0E-03	1.7E-10	1.6E-01	5.5E-01	1.5E-11
1.0E-03	4.1E-09	1.6E-01	5.5E-01	3.6E-10	2.7E-01	5.5E-07	1.0E-03	1.6E-10	1.6E-01	5.5E-01	1.3E-11

1.0E-03	3.4E-09	1.6E-01	5.5E-01	3.0E-10	2.4E-01	5.5E-07	1.0E-03	1.4E-10	1.6E-01	5.5E-01	1.2E-11
1.0E-03	2.9E-09	1.6E-01	5.5E-01	2.5E-10	2.2E-01	5.5E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-01	1.1E-11
1.0E-03	1.9E-09	1.6E-01	5.5E-01	1.7E-10	3.7E-01	5.5E-07	1.0E-03	2.1E-10	1.6E-01	5.5E-01	1.8E-11
1.0E-03	2.3E-09	1.6E-01	5.5E-01	2.0E-10	3.9E-01	5.5E-07	1.0E-03	2.3E-10	1.6E-01	5.5E-01	2.0E-11
1.0E-03	2.8E-09	1.6E-01	5.5E-01	2.4E-10	4.1E-01	5.5E-07	1.0E-03	2.4E-10	1.6E-01	5.5E-01	2.0E-11
1.0E-03	3.5E-09	1.6E-01	5.5E-01	3.0E-10	4.2E-01	5.5E-07	1.0E-03	2.4E-10	1.6E-01	5.5E-01	2.1E-11
1.0E-03	4.3E-09	1.6E-01	5.5E-01	3.7E-10	4.3E-01	5.5E-07	1.0E-03	2.5E-10	1.6E-01	5.5E-01	2.1E-11
1.0E-03	5.2E-09	1.6E-01	5.5E-01	4.4E-10	4.2E-01	5.5E-07	1.0E-03	2.5E-10	1.6E-01	5.5E-01	2.1E-11
1.0E-03	5.9E-09	1.6E-01	5.5E-01	5.1E-10	4.1E-01	5.5E-07	1.0E-03	2.4E-10	1.6E-01	5.5E-01	2.1E-11
1.0E-03	6.5E-09	1.6E-01	5.5E-01	5.6E-10	4.0E-01	5.5E-07	1.0E-03	2.3E-10	1.6E-01	5.5E-01	2.0E-11
1.0E-03	6.6E-09	1.6E-01	5.5E-01	5.7E-10	3.8E-01	5.5E-07	1.0E-03	2.2E-10	1.6E-01	5.5E-01	1.9E-11
1.0E-03	6.2E-09	1.6E-01	5.5E-01	5.4E-10	3.5E-01	5.5E-07	1.0E-03	2.0E-10	1.6E-01	5.5E-01	1.8E-11
1.0E-03	5.5E-09	1.6E-01	5.5E-01	4.8E-10	3.2E-01	5.5E-07	1.0E-03	1.9E-10	1.6E-01	5.5E-01	1.6E-11
1.0E-03	4.9E-09	1.6E-01	5.5E-01	4.2E-10	3.0E-01	5.5E-07	1.0E-03	1.7E-10	1.6E-01	5.5E-01	1.5E-11
1.0E-03	4.2E-09	1.6E-01	5.5E-01	3.6E-10	2.7E-01	5.5E-07	1.0E-03	1.6E-10	1.6E-01	5.5E-01	1.3E-11
1.0E-03	3.5E-09	1.6E-01	5.5E-01	3.0E-10	2.4E-01	5.5E-07	1.0E-03	1.4E-10	1.6E-01	5.5E-01	1.2E-11
1.0E-03	3.1E-09	1.6E-01	5.5E-01	2.7E-10	2.3E-01	5.5E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-01	1.1E-11
1.0E-03	2.6E-09	1.6E-01	5.5E-01	2.3E-10	2.1E-01	5.5E-07	1.0E-03	1.2E-10	1.6E-01	5.5E-01	1.0E-11
1.0E-03	1.7E-09	1.6E-01	5.5E-01	1.5E-10	3.1E-01	5.5E-07	1.0E-03	1.8E-10	1.6E-01	5.5E-01	1.6E-11
1.0E-03	2.0E-09	1.6E-01	5.5E-01	1.7E-10	3.3E-01	5.5E-07	1.0E-03	1.9E-10	1.6E-01	5.5E-01	1.7E-11
1.0E-03	2.4E-09	1.6E-01	5.5E-01	2.1E-10	3.5E-01	5.5E-07	1.0E-03	2.0E-10	1.6E-01	5.5E-01	1.7E-11
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1.0E-03	4.5E-09	1.6E-01	5.5E-01	3.9E-10	3.5E-01	5.5E-07	1.0E-03	2.1E-10	1.6E-01	5.5E-01	1.8E-11
1.0E-03	4.8E-09	1.6E-01	5.5E-01	4.2E-10	3.4E-01	5.5E-07	1.0E-03	2.0E-10	1.6E-01	5.5E-01	1.7E-11
1.0E-03	5.0E-09	1.6E-01	5.5E-01	4.3E-10	3.3E-01	5.5E-07	1.0E-03	1.9E-10	1.6E-01	5.5E-01	1.6E-11
1.0E-03	4.8E-09	1.6E-01	5.5E-01	4.1E-10	3.1E-01	5.5E-07	1.0E-03	1.8E-10	1.6E-01	5.5E-01	1.5E-11
1.0E-03	4.5E-09	1.6E-01	5.5E-01	3.9E-10	2.9E-01	5.5E-07	1.0E-03	1.7E-10	1.6E-01	5.5E-01	1.5E-11
1.0E-03	4.2E-09	1.6E-01	5.5E-01	3.6E-10	2.7E-01	5.5E-07	1.0E-03	1.6E-10	1.6E-01	5.5E-01	1.4E-11
1.0E-03	3.7E-09	1.6E-01	5.5E-01	3.2E-10	2.5E-01	5.5E-07	1.0E-03	1.5E-10	1.6E-01	5.5E-01	1.2E-11
1.0E-03	3.0E-09	1.6E-01	5.5E-01	2.6E-10	2.2E-01	5.5E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-01	1.1E-11
1.0E-03	2.6E-09	1.6E-01	5.5E-01	2.3E-10	2.0E-01	5.5E-07	1.0E-03	1.2E-10	1.6E-01	5.5E-01	1.0E-11
1.0E-03	2.4E-09	1.6E-01	5.5E-01	2.1E-10	1.9E-01	5.5E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-01	9.6E-12
1.0E-03	1.5E-09	1.6E-01	5.5E-01	1.3E-10	2.7E-01	5.5E-07	1.0E-03	1.6E-10	1.6E-01	5.5E-01	1.4E-11
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1.0E-03	3.7E-09	1.6E-01	5.5E-01	3.2E-10	2.6E-01	5.5E-07	1.0E-03	1.5E-10	1.6E-01	5.5E-01	1.3E-11
1.0E-03	3.4E-09	1.6E-01	5.5E-01	3.0E-10	2.4E-01	5.5E-07	1.0E-03	1.4E-10	1.6E-01	5.5E-01	1.2E-11
1.0E-03	3.1E-09	1.6E-01	5.5E-01	2.7E-10	2.3E-01	5.5E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-01	1.1E-11
1.0E-03	2.8E-09	1.6E-01	5.5E-01	2.4E-10	2.1E-01	5.5E-07	1.0E-03	1.2E-10	1.6E-01	5.5E-01	1.1E-11
1.0E-03	2.3E-09	1.6E-01	5.5E-01	2.0E-10	1.9E-01	5.5E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-01	9.3E-12

1.0E-03	2.1E-09	1.6E-01	5.5E-01	1.8E-10	1.7E-01	5.5E-07	1.0E-03	1.0E-10	1.6E-01	5.5E-01	8.6E-12
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1.0E-03	1.5E-09	1.6E-01	5.5E-01	1.3E-10	2.5E-01	5.5E-07	1.0E-03	1.4E-10	1.6E-01	5.5E-01	1.2E-11
1.0E-03	1.8E-09	1.6E-01	5.5E-01	1.5E-10	2.6E-01	5.5E-07	1.0E-03	1.5E-10	1.6E-01	5.5E-01	1.3E-11
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1.0E-03	2.3E-09	1.6E-01	5.5E-01	2.0E-10	2.7E-01	5.5E-07	1.0E-03	1.6E-10	1.6E-01	5.5E-01	1.3E-11
1.0E-03	2.6E-09	1.6E-01	5.5E-01	2.3E-10	2.7E-01	5.5E-07	1.0E-03	1.6E-10	1.6E-01	5.5E-01	1.3E-11
1.0E-03	2.9E-09	1.6E-01	5.5E-01	2.5E-10	2.7E-01	5.5E-07	1.0E-03	1.6E-10	1.6E-01	5.5E-01	1.3E-11
1.0E-03	3.0E-09	1.6E-01	5.5E-01	2.6E-10	2.6E-01	5.5E-07	1.0E-03	1.5E-10	1.6E-01	5.5E-01	1.3E-11
1.0E-03	3.1E-09	1.6E-01	5.5E-01	2.7E-10	2.5E-01	5.5E-07	1.0E-03	1.5E-10	1.6E-01	5.5E-01	1.3E-11
1.0E-03	3.1E-09	1.6E-01	5.5E-01	2.7E-10	2.4E-01	5.5E-07	1.0E-03	1.4E-10	1.6E-01	5.5E-01	1.2E-11
1.0E-03	3.0E-09	1.6E-01	5.5E-01	2.6E-10	2.3E-01	5.5E-07	1.0E-03	1.4E-10	1.6E-01	5.5E-01	1.2E-11
1.0E-03	2.9E-09	1.6E-01	5.5E-01	2.5E-10	2.2E-01	5.5E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-01	1.1E-11
1.0E-03	2.7E-09	1.6E-01	5.5E-01	2.3E-10	2.1E-01	5.5E-07	1.0E-03	1.2E-10	1.6E-01	5.5E-01	1.0E-11
1.0E-03	2.5E-09	1.6E-01	5.5E-01	2.1E-10	1.9E-01	5.5E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-01	9.7E-12
1.0E-03	2.2E-09	1.6E-01	5.5E-01	1.9E-10	1.8E-01	5.5E-07	1.0E-03	1.0E-10	1.6E-01	5.5E-01	9.0E-12
1.0E-03	1.8E-09	1.6E-01	5.5E-01	1.6E-10	1.6E-01	5.5E-07	1.0E-03	9.3E-11	1.6E-01	5.5E-01	8.0E-12
1.0E-03	1.2E-09	1.6E-01	5.5E-01	1.0E-10	2.1E-01	5.5E-07	1.0E-03	1.2E-10	1.6E-01	5.5E-01	1.0E-11
1.0E-03	1.4E-09	1.6E-01	5.5E-01	1.2E-10	2.2E-01	5.5E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-01	1.1E-11
1.0E-03	1.5E-09	1.6E-01	5.5E-01	1.3E-10	2.3E-01	5.5E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-01	1.1E-11
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1.0E-03	2.0E-09	1.6E-01	5.5E-01	1.7E-10	2.4E-01	5.5E-07	1.0E-03	1.4E-10	1.6E-01	5.5E-01	1.2E-11
1.0E-03	2.2E-09	1.6E-01	5.5E-01	1.9E-10	2.4E-01	5.5E-07	1.0E-03	1.4E-10	1.6E-01	5.5E-01	1.2E-11
1.0E-03	2.4E-09	1.6E-01	5.5E-01	2.0E-10	2.4E-01	5.5E-07	1.0E-03	1.4E-10	1.6E-01	5.5E-01	1.2E-11
1.0E-03	2.5E-09	1.6E-01	5.5E-01	2.1E-10	2.3E-01	5.5E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-01	1.2E-11
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1.0E-03	2.6E-09	1.6E-01	5.5E-01	2.2E-10	2.2E-01	5.5E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-01	1.1E-11
1.0E-03	2.5E-09	1.6E-01	5.5E-01	2.2E-10	2.1E-01	5.5E-07	1.0E-03	1.2E-10	1.6E-01	5.5E-01	1.0E-11
1.0E-03	2.4E-09	1.6E-01	5.5E-01	2.1E-10	2.0E-01	5.5E-07	1.0E-03	1.2E-10	1.6E-01	5.5E-01	1.0E-11
1.0E-03	2.3E-09	1.6E-01	5.5E-01	2.0E-10	1.9E-01	5.5E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-01	9.5E-12
1.0E-03	2.1E-09	1.6E-01	5.5E-01	1.8E-10	1.8E-01	5.5E-07	1.0E-03	1.0E-10	1.6E-01	5.5E-01	8.9E-12
1.0E-03	1.9E-09	1.6E-01	5.5E-01	1.7E-10	1.7E-01	5.5E-07	1.0E-03	9.7E-11	1.6E-01	5.5E-01	8.3E-12
1.0E-03	1.7E-09	1.6E-01	5.5E-01	1.4E-10	1.5E-01	5.5E-07	1.0E-03	8.7E-11	1.6E-01	5.5E-01	7.5E-12
1.0E-03	7.6E-08	1.6E-01	5.5E-01	6.6E-09	2.2E+00	5.5E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-01	1.1E-10
1.0E-03	9.9E-08	1.6E-01	5.5E-01	8.5E-09	2.2E+00	5.5E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-01	1.1E-10
1.0E-03	1.3E-07	1.6E-01	5.5E-01	1.1E-08	2.1E+00	5.5E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-01	1.1E-10
1.0E-03	1.7E-07	1.6E-01	5.5E-01	1.5E-08	2.1E+00	5.5E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-01	1.0E-10
1.0E-03	2.3E-07	1.6E-01	5.5E-01	2.0E-08	2.0E+00	5.5E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-01	1.0E-10
1.0E-03	2.9E-07	1.6E-01	5.5E-01	2.5E-08	1.9E+00	5.5E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-01	9.7E-11
1.0E-03	3.4E-07	1.6E-01	5.5E-01	2.9E-08	1.9E+00	5.5E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-01	9.4E-11
1.0E-03	3.7E-07	1.6E-01	5.5E-01	3.2E-08	1.8E+00	5.5E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-01	9.1E-11
1.0E-03	3.8E-07	1.6E-01	5.5E-01	3.2E-08	1.7E+00	5.5E-07	1.0E-03	1.0E-09	1.6E-01	5.5E-01	8.7E-11
1.0E-03	3.6E-07	1.6E-01	5.5E-01	3.1E-08	1.7E+00	5.5E-07	1.0E-03	9.7E-10	1.6E-01	5.5E-01	8.4E-11
1.0E-03	3.3E-07	1.6E-01	5.5E-01	2.8E-08	1.6E+00	5.5E-07	1.0E-03	9.3E-10	1.6E-01	5.5E-01	8.0E-11
1.0E-03	2.8E-07	1.6E-01	5.5E-01	2.4E-08	1.5E+00	5.5E-07	1.0E-03	9.0E-10	1.6E-01	5.5E-01	7.7E-11
1.0E-03	2.3E-07	1.6E-01	5.5E-01	2.0E-08	1.5E+00	5.5E-07	1.0E-03	8.6E-10	1.6E-01	5.5E-01	7.4E-11
1.0E-03	1.9E-07	1.6E-01	5.5E-01	1.6E-08	1.4E+00	5.5E-07	1.0E-03	8.2E-10	1.6E-01	5.5E-01	7.1E-11
1.0E-03	1.5E-07	1.6E-01	5.5E-01	1.3E-08	1.3E+00	5.5E-07	1.0E-03	7.8E-10	1.6E-01	5.5E-01	6.7E-11
1.0E-03	1.3E-07	1.6E-01	5.5E-01	1.1E-08	1.3E+00	5.5E-07	1.0E-03	7.5E-10	1.6E-01	5.5E-01	6.4E-11

1.0E-03	1.1E-07	1.6E-01	5.5E-01	9.3E-09	1.2E+00	5.5E-07	1.0E-03	7.1E-10	1.6E-01	5.5E-01	6.1E-11
1.0E-03	9.2E-08	1.6E-01	5.5E-01	7.9E-09	1.2E+00	5.5E-07	1.0E-03	6.8E-10	1.6E-01	5.5E-01	5.8E-11
1.0E-03	7.9E-08	1.6E-01	5.5E-01	6.8E-09	1.1E+00	5.5E-07	1.0E-03	6.4E-10	1.6E-01	5.5E-01	5.5E-11
1.0E-03	6.8E-08	1.6E-01	5.5E-01	5.8E-09	1.1E+00	5.5E-07	1.0E-03	6.1E-10	1.6E-01	5.5E-01	5.3E-11
1.0E-03	5.9E-08	1.6E-01	5.5E-01	5.1E-09	1.0E+00	5.5E-07	1.0E-03	5.8E-10	1.6E-01	5.5E-01	5.0E-11
1.0E-03	5.2E-08	1.6E-01	5.5E-01	4.4E-09	9.5E-01	5.5E-07	1.0E-03	5.5E-10	1.6E-01	5.5E-01	4.8E-11
1.0E-03	4.6E-08	1.6E-01	5.5E-01	3.9E-09	9.1E-01	5.5E-07	1.0E-03	5.3E-10	1.6E-01	5.5E-01	4.5E-11
1.0E-03	4.1E-08	1.6E-01	5.5E-01	3.5E-09	8.7E-01	5.5E-07	1.0E-03	5.0E-10	1.6E-01	5.5E-01	4.3E-11
1.0E-03	3.6E-08	1.6E-01	5.5E-01	3.1E-09	8.3E-01	5.5E-07	1.0E-03	4.8E-10	1.6E-01	5.5E-01	4.1E-11
1.0E-03	3.2E-08	1.6E-01	5.5E-01	2.8E-09	7.9E-01	5.5E-07	1.0E-03	4.6E-10	1.6E-01	5.5E-01	3.9E-11
1.0E-03	8.7E-08	1.6E-01	5.5E-01	7.5E-09	2.0E+00	5.5E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-01	1.0E-10
1.0E-03	1.2E-07	1.6E-01	5.5E-01	1.0E-08	2.0E+00	5.5E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-01	1.0E-10
1.0E-03	1.6E-07	1.6E-01	5.5E-01	1.4E-08	2.0E+00	5.5E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-01	9.8E-11
1.0E-03	2.3E-07	1.6E-01	5.5E-01	2.0E-08	1.9E+00	5.5E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-01	9.6E-11
1.0E-03	8.2E-08	1.6E-01	5.5E-01	7.1E-09	1.9E+00	5.5E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-01	9.3E-11
1.0E-03	1.2E-07	1.6E-01	5.5E-01	1.0E-08	1.8E+00	5.5E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-01	9.0E-11
1.0E-03	1.7E-07	1.6E-01	5.5E-01	1.5E-08	1.8E+00	5.5E-07	1.0E-03	1.0E-09	1.6E-01	5.5E-01	8.8E-11
1.0E-03	2.5E-07	1.6E-01	5.5E-01	2.2E-08	1.7E+00	5.5E-07	1.0E-03	9.9E-10	1.6E-01	5.5E-01	8.5E-11
1.0E-03	2.6E-07	1.6E-01	5.5E-01	2.2E-08	1.6E+00	5.5E-07	1.0E-03	9.5E-10	1.6E-01	5.5E-01	8.2E-11
1.0E-03	1.9E-07	1.6E-01	5.5E-01	1.6E-08	1.6E+00	5.5E-07	1.0E-03	9.2E-10	1.6E-01	5.5E-01	7.9E-11
1.0E-03	1.4E-07	1.6E-01	5.5E-01	1.2E-08	1.5E+00	5.5E-07	1.0E-03	8.8E-10	1.6E-01	5.5E-01	7.6E-11
1.0E-03	3.7E-07	1.6E-01	5.5E-01	3.2E-08	1.5E+00	5.5E-07	1.0E-03	8.5E-10	1.6E-01	5.5E-01	7.3E-11
1.0E-03	2.8E-07	1.6E-01	5.5E-01	2.4E-08	1.4E+00	5.5E-07	1.0E-03	8.1E-10	1.6E-01	5.5E-01	7.0E-11
1.0E-03	2.2E-07	1.6E-01	5.5E-01	1.9E-08	1.3E+00	5.5E-07	1.0E-03	7.8E-10	1.6E-01	5.5E-01	6.7E-11
1.0E-03	1.7E-07	1.6E-01	5.5E-01	1.5E-08	1.3E+00	5.5E-07	1.0E-03	7.5E-10	1.6E-01	5.5E-01	6.4E-11
1.0E-03	1.4E-07	1.6E-01	5.5E-01	1.2E-08	1.2E+00	5.5E-07	1.0E-03	7.1E-10	1.6E-01	5.5E-01	6.1E-11
1.0E-03	1.1E-07	1.6E-01	5.5E-01	9.8E-09	1.2E+00	5.5E-07	1.0E-03	6.8E-10	1.6E-01	5.5E-01	5.9E-11
1.0E-03	9.5E-08	1.6E-01	5.5E-01	8.2E-09	1.1E+00	5.5E-07	1.0E-03	6.5E-10	1.6E-01	5.5E-01	5.6E-11
1.0E-03	8.0E-08	1.6E-01	5.5E-01	6.9E-09	1.1E+00	5.5E-07	1.0E-03	6.2E-10	1.6E-01	5.5E-01	5.3E-11
1.0E-03	6.9E-08	1.6E-01	5.5E-01	5.9E-09	1.0E+00	5.5E-07	1.0E-03	5.9E-10	1.6E-01	5.5E-01	5.1E-11
1.0E-03	5.9E-08	1.6E-01	5.5E-01	5.1E-09	9.7E-01	5.5E-07	1.0E-03	5.6E-10	1.6E-01	5.5E-01	4.8E-11
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1.0E-03	4.5E-08	1.6E-01	5.5E-01	3.9E-09	8.8E-01	5.5E-07	1.0E-03	5.1E-10	1.6E-01	5.5E-01	4.4E-11
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1.0E-03	3.6E-08	1.6E-01	5.5E-01	3.1E-09	8.0E-01	5.5E-07	1.0E-03	4.7E-10	1.6E-01	5.5E-01	4.0E-11
1.0E-03	3.2E-08	1.6E-01	5.5E-01	2.8E-09	7.7E-01	5.5E-07	1.0E-03	4.4E-10	1.6E-01	5.5E-01	3.8E-11
1.0E-03	9.7E-08	1.6E-01	5.5E-01	8.3E-09	1.9E+00	5.5E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-01	9.5E-11
1.0E-03	1.3E-07	1.6E-01	5.5E-01	1.2E-08	1.9E+00	5.5E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-01	9.3E-11
1.0E-03	2.0E-07	1.6E-01	5.5E-01	1.7E-08	1.8E+00	5.5E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-01	9.1E-11
1.0E-03	3.1E-07	1.6E-01	5.5E-01	2.6E-08	1.8E+00	5.5E-07	1.0E-03	1.0E-09	1.6E-01	5.5E-01	8.9E-11
1.0E-03	9.7E-08	1.6E-01	5.5E-01	8.3E-09	1.7E+00	5.5E-07	1.0E-03	1.0E-09	1.6E-01	5.5E-01	8.7E-11
1.0E-03	1.5E-07	1.6E-01	5.5E-01	1.3E-08	1.7E+00	5.5E-07	1.0E-03	9.9E-10	1.6E-01	5.5E-01	8.5E-11
1.0E-03	2.3E-07	1.6E-01	5.5E-01	2.0E-08	1.7E+00	5.5E-07	1.0E-03	9.6E-10	1.6E-01	5.5E-01	8.2E-11
1.0E-03	0.0E+00	1.6E-01	5.5E-01	0.0E+00	1.6E+00	5.5E-07	1.0E-03	9.3E-10	1.6E-01	5.5E-01	8.0E-11
1.0E-03	0.0E+00	1.6E-01	5.5E-01	0.0E+00	1.6E+00	5.5E-07	1.0E-03	9.0E-10	1.6E-01	5.5E-01	7.7E-11
1.0E-03	2.3E-07	1.6E-01	5.5E-01	2.0E-08	1.5E+00	5.5E-07	1.0E-03	8.7E-10	1.6E-01	5.5E-01	7.5E-11
1.0E-03	1.6E-07	1.6E-01	5.5E-01	1.4E-08	1.4E+00	5.5E-07	1.0E-03	8.4E-10	1.6E-01	5.5E-01	7.2E-11
1.0E-03	1.2E-07	1.6E-01	5.5E-01	1.0E-08	1.4E+00	5.5E-07	1.0E-03	8.0E-10	1.6E-01	5.5E-01	6.9E-11
1.0E-03	3.3E-07	1.6E-01	5.5E-01	2.9E-08	1.3E+00	5.5E-07	1.0E-03	7.7E-10	1.6E-01	5.5E-01	6.7E-11

1.0E-03	2.4E-07	1.6E-01	5.5E-01	2.1E-08	1.3E+00	5.5E-07	1.0E-03	7.4E-10	1.6E-01	5.5E-01	6.4E-11
1.0E-03	1.8E-07	1.6E-01	5.5E-01	1.6E-08	1.2E+00	5.5E-07	1.0E-03	7.1E-10	1.6E-01	5.5E-01	6.1E-11
1.0E-03	1.4E-07	1.6E-01	5.5E-01	1.2E-08	1.2E+00	5.5E-07	1.0E-03	6.8E-10	1.6E-01	5.5E-01	5.9E-11
1.0E-03	1.2E-07	1.6E-01	5.5E-01	1.0E-08	1.1E+00	5.5E-07	1.0E-03	6.5E-10	1.6E-01	5.5E-01	5.6E-11
1.0E-03	9.6E-08	1.6E-01	5.5E-01	8.3E-09	1.1E+00	5.5E-07	1.0E-03	6.2E-10	1.6E-01	5.5E-01	5.4E-11
1.0E-03	8.0E-08	1.6E-01	5.5E-01	6.9E-09	1.0E+00	5.5E-07	1.0E-03	6.0E-10	1.6E-01	5.5E-01	5.1E-11
1.0E-03	6.8E-08	1.6E-01	5.5E-01	5.9E-09	9.8E-01	5.5E-07	1.0E-03	5.7E-10	1.6E-01	5.5E-01	4.9E-11
1.0E-03	5.8E-08	1.6E-01	5.5E-01	5.0E-09	9.4E-01	5.5E-07	1.0E-03	5.4E-10	1.6E-01	5.5E-01	4.7E-11
1.0E-03	5.1E-08	1.6E-01	5.5E-01	4.4E-09	9.0E-01	5.5E-07	1.0E-03	5.2E-10	1.6E-01	5.5E-01	4.5E-11
1.0E-03	4.4E-08	1.6E-01	5.5E-01	3.8E-09	8.6E-01	5.5E-07	1.0E-03	5.0E-10	1.6E-01	5.5E-01	4.3E-11
1.0E-03	3.9E-08	1.6E-01	5.5E-01	3.4E-09	8.2E-01	5.5E-07	1.0E-03	4.7E-10	1.6E-01	5.5E-01	4.1E-11
1.0E-03	3.5E-08	1.6E-01	5.5E-01	3.0E-09	7.8E-01	5.5E-07	1.0E-03	4.5E-10	1.6E-01	5.5E-01	3.9E-11
1.0E-03	3.1E-08	1.6E-01	5.5E-01	2.7E-09	7.5E-01	5.5E-07	1.0E-03	4.3E-10	1.6E-01	5.5E-01	3.7E-11
1.0E-03	1.0E-07	1.6E-01	5.5E-01	8.8E-09	1.8E+00	5.5E-07	1.0E-03	1.0E-09	1.6E-01	5.5E-01	8.9E-11
1.0E-03	1.5E-07	1.6E-01	5.5E-01	1.3E-08	1.8E+00	5.5E-07	1.0E-03	1.0E-09	1.6E-01	5.5E-01	8.7E-11
1.0E-03	2.2E-07	1.6E-01	5.5E-01	1.9E-08	1.7E+00	5.5E-07	1.0E-03	9.9E-10	1.6E-01	5.5E-01	8.6E-11
1.0E-03	7.1E-08	1.6E-01	5.5E-01	6.1E-09	1.7E+00	5.5E-07	1.0E-03	9.7E-10	1.6E-01	5.5E-01	8.4E-11
1.0E-03	1.1E-07	1.6E-01	5.5E-01	9.1E-09	1.6E+00	5.5E-07	1.0E-03	9.5E-10	1.6E-01	5.5E-01	8.2E-11
1.0E-03	1.7E-07	1.6E-01	5.5E-01	1.4E-08	1.6E+00	5.5E-07	1.0E-03	9.3E-10	1.6E-01	5.5E-01	8.0E-11
1.0E-03	0.0E+00	1.6E-01	5.5E-01	0.0E+00	1.6E+00	5.5E-07	1.0E-03	9.0E-10	1.6E-01	5.5E-01	7.8E-11
1.0E-03	0.0E+00	1.6E-01	5.5E-01	0.0E+00	1.5E+00	5.5E-07	1.0E-03	8.8E-10	1.6E-01	5.5E-01	7.5E-11
1.0E-03	0.0E+00	1.6E-01	5.5E-01	0.0E+00	1.5E+00	5.5E-07	1.0E-03	8.5E-10	1.6E-01	5.5E-01	7.3E-11
1.0E-03	2.7E-07	1.6E-01	5.5E-01	2.3E-08	1.4E+00	5.5E-07	1.0E-03	8.2E-10	1.6E-01	5.5E-01	7.1E-11
1.0E-03	1.7E-07	1.6E-01	5.5E-01	1.5E-08	1.4E+00	5.5E-07	1.0E-03	7.9E-10	1.6E-01	5.5E-01	6.8E-11
1.0E-03	1.2E-07	1.6E-01	5.5E-01	1.1E-08	1.3E+00	5.5E-07	1.0E-03	7.6E-10	1.6E-01	5.5E-01	6.6E-11
1.0E-03	3.7E-07	1.6E-01	5.5E-01	3.2E-08	1.3E+00	5.5E-07	1.0E-03	7.4E-10	1.6E-01	5.5E-01	6.3E-11
1.0E-03	2.5E-07	1.6E-01	5.5E-01	2.2E-08	1.2E+00	5.5E-07	1.0E-03	7.1E-10	1.6E-01	5.5E-01	6.1E-11
1.0E-03	1.9E-07	1.6E-01	5.5E-01	1.6E-08	1.2E+00	5.5E-07	1.0E-03	6.8E-10	1.6E-01	5.5E-01	5.9E-11
1.0E-03	1.4E-07	1.6E-01	5.5E-01	1.2E-08	1.1E+00	5.5E-07	1.0E-03	6.5E-10	1.6E-01	5.5E-01	5.6E-11
1.0E-03	1.2E-07	1.6E-01	5.5E-01	1.0E-08	1.1E+00	5.5E-07	1.0E-03	6.3E-10	1.6E-01	5.5E-01	5.4E-11
1.0E-03	9.5E-08	1.6E-01	5.5E-01	8.1E-09	1.0E+00	5.5E-07	1.0E-03	6.0E-10	1.6E-01	5.5E-01	5.2E-11
1.0E-03	7.9E-08	1.6E-01	5.5E-01	6.8E-09	9.9E-01	5.5E-07	1.0E-03	5.7E-10	1.6E-01	5.5E-01	4.9E-11
1.0E-03	6.7E-08	1.6E-01	5.5E-01	5.7E-09	9.5E-01	5.5E-07	1.0E-03	5.5E-10	1.6E-01	5.5E-01	4.7E-11
1.0E-03	5.7E-08	1.6E-01	5.5E-01	4.9E-09	9.1E-01	5.5E-07	1.0E-03	5.3E-10	1.6E-01	5.5E-01	4.5E-11
1.0E-03	4.9E-08	1.6E-01	5.5E-01	4.2E-09	8.7E-01	5.5E-07	1.0E-03	5.0E-10	1.6E-01	5.5E-01	4.3E-11
1.0E-03	4.3E-08	1.6E-01	5.5E-01	3.7E-09	8.3E-01	5.5E-07	1.0E-03	4.8E-10	1.6E-01	5.5E-01	4.1E-11
1.0E-03	3.8E-08	1.6E-01	5.5E-01	3.3E-09	7.9E-01	5.5E-07	1.0E-03	4.6E-10	1.6E-01	5.5E-01	4.0E-11
1.0E-03	3.4E-08	1.6E-01	5.5E-01	2.9E-09	7.6E-01	5.5E-07	1.0E-03	4.4E-10	1.6E-01	5.5E-01	3.8E-11
1.0E-03	3.0E-08	1.6E-01	5.5E-01	2.6E-09	7.3E-01	5.5E-07	1.0E-03	4.2E-10	1.6E-01	5.5E-01	3.6E-11
1.0E-03	1.0E-07	1.6E-01	5.5E-01	8.8E-09	1.7E+00	5.5E-07	1.0E-03	9.7E-10	1.6E-01	5.5E-01	8.3E-11
1.0E-03	1.5E-07	1.6E-01	5.5E-01	1.3E-08	1.6E+00	5.5E-07	1.0E-03	9.5E-10	1.6E-01	5.5E-01	8.2E-11
1.0E-03	2.3E-07	1.6E-01	5.5E-01	1.9E-08	1.6E+00	5.5E-07	1.0E-03	9.3E-10	1.6E-01	5.5E-01	8.0E-11
1.0E-03	7.2E-08	1.6E-01	5.5E-01	6.2E-09	1.6E+00	5.5E-07	1.0E-03	9.1E-10	1.6E-01	5.5E-01	7.9E-11
1.0E-03	1.1E-07	1.6E-01	5.5E-01	9.2E-09	1.5E+00	5.5E-07	1.0E-03	8.9E-10	1.6E-01	5.5E-01	7.7E-11
1.0E-03	1.1E-07	1.6E-01	5.5E-01	9.5E-09	1.0E+00	5.5E-07	1.0E-03	6.0E-10	1.6E-01	5.5E-01	5.2E-11
1.0E-03	9.1E-08	1.6E-01	5.5E-01	7.8E-09	1.0E+00	5.5E-07	1.0E-03	5.8E-10	1.6E-01	5.5E-01	5.0E-11
1.0E-03	7.6E-08	1.6E-01	5.5E-01	6.5E-09	9.5E-01	5.5E-07	1.0E-03	5.5E-10	1.6E-01	5.5E-01	4.8E-11
1.0E-03	6.4E-08	1.6E-01	5.5E-01	5.5E-09	9.2E-01	5.5E-07	1.0E-03	5.3E-10	1.6E-01	5.5E-01	4.6E-11
1.0E-03	5.5E-08	1.6E-01	5.5E-01	4.7E-09	8.8E-01	5.5E-07	1.0E-03	5.1E-10	1.6E-01	5.5E-01	4.4E-11

1.0E-03	4.7E-08	1.6E-01	5.5E-01	4.1E-09	8.4E-01	5.5E-07	1.0E-03	4.9E-10	1.6E-01	5.5E-01	4.2E-11
1.0E-03	4.1E-08	1.6E-01	5.5E-01	3.6E-09	8.1E-01	5.5E-07	1.0E-03	4.7E-10	1.6E-01	5.5E-01	4.0E-11
1.0E-03	3.6E-08	1.6E-01	5.5E-01	3.1E-09	7.7E-01	5.5E-07	1.0E-03	4.5E-10	1.6E-01	5.5E-01	3.9E-11
1.0E-03	3.2E-08	1.6E-01	5.5E-01	2.8E-09	7.4E-01	5.5E-07	1.0E-03	4.3E-10	1.6E-01	5.5E-01	3.7E-11
1.0E-03	2.9E-08	1.6E-01	5.5E-01	2.5E-09	7.1E-01	5.5E-07	1.0E-03	4.1E-10	1.6E-01	5.5E-01	3.5E-11
1.0E-03	9.8E-08	1.6E-01	5.5E-01	8.4E-09	1.6E+00	5.5E-07	1.0E-03	9.1E-10	1.6E-01	5.5E-01	7.8E-11
1.0E-03	1.4E-07	1.6E-01	5.5E-01	1.2E-08	1.5E+00	5.5E-07	1.0E-03	9.0E-10	1.6E-01	5.5E-01	7.7E-11
1.0E-03	2.0E-07	1.6E-01	5.5E-01	1.8E-08	1.5E+00	5.5E-07	1.0E-03	8.8E-10	1.6E-01	5.5E-01	7.6E-11
1.0E-03	6.7E-08	1.6E-01	5.5E-01	5.8E-09	1.5E+00	5.5E-07	1.0E-03	8.6E-10	1.6E-01	5.5E-01	7.4E-11
1.0E-03	9.9E-08	1.6E-01	5.5E-01	8.5E-09	1.5E+00	5.5E-07	1.0E-03	8.4E-10	1.6E-01	5.5E-01	7.3E-11
1.0E-03	1.0E-07	1.6E-01	5.5E-01	8.9E-09	1.0E+00	5.5E-07	1.0E-03	5.8E-10	1.6E-01	5.5E-01	5.0E-11
1.0E-03	8.5E-08	1.6E-01	5.5E-01	7.3E-09	9.6E-01	5.5E-07	1.0E-03	5.6E-10	1.6E-01	5.5E-01	4.8E-11
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1.0E-03	3.1E-08	1.6E-01	5.5E-01	2.7E-09	7.2E-01	5.5E-07	1.0E-03	4.2E-10	1.6E-01	5.5E-01	3.6E-11
1.0E-03	2.8E-08	1.6E-01	5.5E-01	2.4E-09	6.9E-01	5.5E-07	1.0E-03	4.0E-10	1.6E-01	5.5E-01	3.5E-11
1.0E-03	8.9E-08	1.6E-01	5.5E-01	7.7E-09	1.5E+00	5.5E-07	1.0E-03	8.6E-10	1.6E-01	5.5E-01	7.4E-11
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1.0E-03	1.7E-07	1.6E-01	5.5E-01	1.4E-08	1.4E+00	5.5E-07	1.0E-03	8.3E-10	1.6E-01	5.5E-01	7.1E-11
1.0E-03	2.4E-07	1.6E-01	5.5E-01	2.1E-08	1.4E+00	5.5E-07	1.0E-03	8.1E-10	1.6E-01	5.5E-01	7.0E-11
1.0E-03	8.3E-08	1.6E-01	5.5E-01	7.1E-09	1.4E+00	5.5E-07	1.0E-03	8.0E-10	1.6E-01	5.5E-01	6.9E-11
1.0E-03	9.3E-08	1.6E-01	5.5E-01	8.0E-09	9.6E-01	5.5E-07	1.0E-03	5.6E-10	1.6E-01	5.5E-01	4.8E-11
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1.0E-03	7.8E-08	1.6E-01	5.5E-01	6.7E-09	1.4E+00	5.5E-07	1.0E-03	8.1E-10	1.6E-01	5.5E-01	7.0E-11
1.0E-03	1.0E-07	1.6E-01	5.5E-01	8.7E-09	1.4E+00	5.5E-07	1.0E-03	8.0E-10	1.6E-01	5.5E-01	6.9E-11
1.0E-03	1.3E-07	1.6E-01	5.5E-01	1.1E-08	1.4E+00	5.5E-07	1.0E-03	7.8E-10	1.6E-01	5.5E-01	6.7E-11
1.0E-03	1.8E-07	1.6E-01	5.5E-01	1.5E-08	1.3E+00	5.5E-07	1.0E-03	7.7E-10	1.6E-01	5.5E-01	6.6E-11
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1.0E-03	3.5E-08	1.6E-01	5.5E-01	3.0E-09	7.4E-01	5.5E-07	1.0E-03	4.3E-10	1.6E-01	5.5E-01	3.7E-11
1.0E-03	3.1E-08	1.6E-01	5.5E-01	2.6E-09	7.1E-01	5.5E-07	1.0E-03	4.1E-10	1.6E-01	5.5E-01	3.5E-11
1.0E-03	2.7E-08	1.6E-01	5.5E-01	2.4E-09	6.8E-01	5.5E-07	1.0E-03	4.0E-10	1.6E-01	5.5E-01	3.4E-11

1.0E-03	2.5E-08	1.6E-01	5.5E-01	2.1E-09	6.6E-01	5.5E-07	1.0E-03	3.8E-10	1.6E-01	5.5E-01	3.3E-11
1.0E-03	6.7E-08	1.6E-01	5.5E-01	5.8E-09	1.3E+00	5.5E-07	1.0E-03	7.6E-10	1.6E-01	5.5E-01	6.6E-11
1.0E-03	8.4E-08	1.6E-01	5.5E-01	7.2E-09	1.3E+00	5.5E-07	1.0E-03	7.5E-10	1.6E-01	5.5E-01	6.5E-11
1.0E-03	1.1E-07	1.6E-01	5.5E-01	9.1E-09	1.3E+00	5.5E-07	1.0E-03	7.4E-10	1.6E-01	5.5E-01	6.4E-11
1.0E-03	1.3E-07	1.6E-01	5.5E-01	1.1E-08	1.3E+00	5.5E-07	1.0E-03	7.3E-10	1.6E-01	5.5E-01	6.3E-11
1.0E-03	1.6E-07	1.6E-01	5.5E-01	1.4E-08	1.2E+00	5.5E-07	1.0E-03	7.2E-10	1.6E-01	5.5E-01	6.2E-11
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1.0E-03	6.3E-08	1.6E-01	5.5E-01	5.4E-09	8.6E-01	5.5E-07	1.0E-03	5.0E-10	1.6E-01	5.5E-01	4.3E-11
1.0E-03	5.4E-08	1.6E-01	5.5E-01	4.7E-09	8.3E-01	5.5E-07	1.0E-03	4.8E-10	1.6E-01	5.5E-01	4.1E-11
1.0E-03	4.7E-08	1.6E-01	5.5E-01	4.1E-09	8.0E-01	5.5E-07	1.0E-03	4.6E-10	1.6E-01	5.5E-01	4.0E-11
1.0E-03	4.1E-08	1.6E-01	5.5E-01	3.6E-09	7.7E-01	5.5E-07	1.0E-03	4.5E-10	1.6E-01	5.5E-01	3.8E-11
1.0E-03	3.6E-08	1.6E-01	5.5E-01	3.1E-09	7.4E-01	5.5E-07	1.0E-03	4.3E-10	1.6E-01	5.5E-01	3.7E-11
1.0E-03	3.2E-08	1.6E-01	5.5E-01	2.8E-09	7.2E-01	5.5E-07	1.0E-03	4.1E-10	1.6E-01	5.5E-01	3.6E-11
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1.0E-03	2.6E-08	1.6E-01	5.5E-01	2.2E-09	6.6E-01	5.5E-07	1.0E-03	3.8E-10	1.6E-01	5.5E-01	3.3E-11
1.0E-03	2.3E-08	1.6E-01	5.5E-01	2.0E-09	6.4E-01	5.5E-07	1.0E-03	3.7E-10	1.6E-01	5.5E-01	3.2E-11
1.0E-03	5.8E-08	1.6E-01	5.5E-01	5.0E-09	1.2E+00	5.5E-07	1.0E-03	7.2E-10	1.6E-01	5.5E-01	6.2E-11
1.0E-03	6.9E-08	1.6E-01	5.5E-01	6.0E-09	1.2E+00	5.5E-07	1.0E-03	7.1E-10	1.6E-01	5.5E-01	6.1E-11
1.0E-03	8.5E-08	1.6E-01	5.5E-01	7.3E-09	1.2E+00	5.5E-07	1.0E-03	7.0E-10	1.6E-01	5.5E-01	6.1E-11
1.0E-03	1.0E-07	1.6E-01	5.5E-01	8.7E-09	1.2E+00	5.5E-07	1.0E-03	6.9E-10	1.6E-01	5.5E-01	6.0E-11
1.0E-03	1.2E-07	1.6E-01	5.5E-01	1.0E-08	1.2E+00	5.5E-07	1.0E-03	6.8E-10	1.6E-01	5.5E-01	5.8E-11
1.0E-03	6.3E-08	1.6E-01	5.5E-01	5.5E-09	8.5E-01	5.5E-07	1.0E-03	4.9E-10	1.6E-01	5.5E-01	4.3E-11
1.0E-03	5.6E-08	1.6E-01	5.5E-01	4.8E-09	8.3E-01	5.5E-07	1.0E-03	4.8E-10	1.6E-01	5.5E-01	4.1E-11
1.0E-03	4.9E-08	1.6E-01	5.5E-01	4.2E-09	8.0E-01	5.5E-07	1.0E-03	4.6E-10	1.6E-01	5.5E-01	4.0E-11
1.0E-03	4.3E-08	1.6E-01	5.5E-01	3.7E-09	7.7E-01	5.5E-07	1.0E-03	4.5E-10	1.6E-01	5.5E-01	3.9E-11
1.0E-03	3.8E-08	1.6E-01	5.5E-01	3.3E-09	7.5E-01	5.5E-07	1.0E-03	4.3E-10	1.6E-01	5.5E-01	3.7E-11
1.0E-03	3.4E-08	1.6E-01	5.5E-01	2.9E-09	7.2E-01	5.5E-07	1.0E-03	4.2E-10	1.6E-01	5.5E-01	3.6E-11
1.0E-03	3.0E-08	1.6E-01	5.5E-01	2.6E-09	7.0E-01	5.5E-07	1.0E-03	4.0E-10	1.6E-01	5.5E-01	3.5E-11
1.0E-03	2.7E-08	1.6E-01	5.5E-01	2.3E-09	6.7E-01	5.5E-07	1.0E-03	3.9E-10	1.6E-01	5.5E-01	3.3E-11
1.0E-03	2.4E-08	1.6E-01	5.5E-01	2.1E-09	6.5E-01	5.5E-07	1.0E-03	3.7E-10	1.6E-01	5.5E-01	3.2E-11
1.0E-03	2.2E-08	1.6E-01	5.5E-01	1.9E-09	6.2E-01	5.5E-07	1.0E-03	3.6E-10	1.6E-01	5.5E-01	3.1E-11
1.0E-03	4.9E-08	1.6E-01	5.5E-01	4.2E-09	1.2E+00	5.5E-07	1.0E-03	6.9E-10	1.6E-01	5.5E-01	5.9E-11
1.0E-03	5.8E-08	1.6E-01	5.5E-01	5.0E-09	1.2E+00	5.5E-07	1.0E-03	6.8E-10	1.6E-01	5.5E-01	5.8E-11
1.0E-03	6.8E-08	1.6E-01	5.5E-01	5.8E-09	1.2E+00	5.5E-07	1.0E-03	6.7E-10	1.6E-01	5.5E-01	5.7E-11
1.0E-03	8.0E-08	1.6E-01	5.5E-01	6.9E-09	1.1E+00	5.5E-07	1.0E-03	6.6E-10	1.6E-01	5.5E-01	5.7E-11
1.0E-03	9.3E-08	1.6E-01	5.5E-01	8.0E-09	1.1E+00	5.5E-07	1.0E-03	6.5E-10	1.6E-01	5.5E-01	5.6E-11
1.0E-03	5.6E-08	1.6E-01	5.5E-01	4.8E-09	8.2E-01	5.5E-07	1.0E-03	4.8E-10	1.6E-01	5.5E-01	4.1E-11
1.0E-03	4.9E-08	1.6E-01	5.5E-01	4.2E-09	8.0E-01	5.5E-07	1.0E-03	4.6E-10	1.6E-01	5.5E-01	4.0E-11
1.0E-03	4.4E-08	1.6E-01	5.5E-01	3.8E-09	7.7E-01	5.5E-07	1.0E-03	4.5E-10	1.6E-01	5.5E-01	3.9E-11
1.0E-03	3.9E-08	1.6E-01	5.5E-01	3.4E-09	7.5E-01	5.5E-07	1.0E-03	4.3E-10	1.6E-01	5.5E-01	3.7E-11
1.0E-03	3.5E-08	1.6E-01	5.5E-01	3.0E-09	7.2E-01	5.5E-07	1.0E-03	4.2E-10	1.6E-01	5.5E-01	3.6E-11
1.0E-03	3.1E-08	1.6E-01	5.5E-01	2.7E-09	7.0E-01	5.5E-07	1.0E-03	4.0E-10	1.6E-01	5.5E-01	3.5E-11
1.0E-03	2.8E-08	1.6E-01	5.5E-01	2.4E-09	6.8E-01	5.5E-07	1.0E-03	3.9E-10	1.6E-01	5.5E-01	3.4E-11
1.0E-03	2.5E-08	1.6E-01	5.5E-01	2.2E-09	6.5E-01	5.5E-07	1.0E-03	3.8E-10	1.6E-01	5.5E-01	3.3E-11
1.0E-03	2.3E-08	1.6E-01	5.5E-01	2.0E-09	6.3E-01	5.5E-07	1.0E-03	3.7E-10	1.6E-01	5.5E-01	3.1E-11
1.0E-03	2.1E-08	1.6E-01	5.5E-01	1.8E-09	6.1E-01	5.5E-07	1.0E-03	3.5E-10	1.6E-01	5.5E-01	3.0E-11
1.0E-03	4.2E-08	1.6E-01	5.5E-01	3.6E-09	1.1E+00	5.5E-07	1.0E-03	6.5E-10	1.6E-01	5.5E-01	5.6E-11
1.0E-03	4.9E-08	1.6E-01	5.5E-01	4.2E-09	1.1E+00	5.5E-07	1.0E-03	6.4E-10	1.6E-01	5.5E-01	5.5E-11
1.0E-03	5.6E-08	1.6E-01	5.5E-01	4.8E-09	1.1E+00	5.5E-07	1.0E-03	6.3E-10	1.6E-01	5.5E-01	5.5E-11

1.0E-03	6.5E-08	1.6E-01	5.5E-01	5.6E-09	1.1E+00	5.5E-07	1.0E-03	6.3E-10	1.6E-01	5.5E-01	5.4E-11
1.0E-03	7.4E-08	1.6E-01	5.5E-01	6.4E-09	1.1E+00	5.5E-07	1.0E-03	6.1E-10	1.6E-01	5.5E-01	5.3E-11
1.0E-03	4.9E-08	1.6E-01	5.5E-01	4.2E-09	7.9E-01	5.5E-07	1.0E-03	4.6E-10	1.6E-01	5.5E-01	4.0E-11
1.0E-03	4.4E-08	1.6E-01	5.5E-01	3.8E-09	7.7E-01	5.5E-07	1.0E-03	4.5E-10	1.6E-01	5.5E-01	3.8E-11
1.0E-03	3.9E-08	1.6E-01	5.5E-01	3.4E-09	7.5E-01	5.5E-07	1.0E-03	4.3E-10	1.6E-01	5.5E-01	3.7E-11
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1.0E-03	3.2E-08	1.6E-01	5.5E-01	2.7E-09	7.0E-01	5.5E-07	1.0E-03	4.1E-10	1.6E-01	5.5E-01	3.5E-11
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1.0E-03	3.6E-08	1.6E-01	5.5E-01	3.1E-09	1.1E+00	5.5E-07	1.0E-03	6.2E-10	1.6E-01	5.5E-01	5.3E-11
1.0E-03	4.1E-08	1.6E-01	5.5E-01	3.6E-09	1.1E+00	5.5E-07	1.0E-03	6.1E-10	1.6E-01	5.5E-01	5.3E-11
1.0E-03	4.7E-08	1.6E-01	5.5E-01	4.1E-09	1.0E+00	5.5E-07	1.0E-03	6.0E-10	1.6E-01	5.5E-01	5.2E-11
1.0E-03	5.4E-08	1.6E-01	5.5E-01	4.6E-09	1.0E+00	5.5E-07	1.0E-03	6.0E-10	1.6E-01	5.5E-01	5.1E-11
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1.0E-03	3.9E-08	1.6E-01	5.5E-01	3.4E-09	7.4E-01	5.5E-07	1.0E-03	4.3E-10	1.6E-01	5.5E-01	3.7E-11
1.0E-03	3.6E-08	1.6E-01	5.5E-01	3.1E-09	7.2E-01	5.5E-07	1.0E-03	4.2E-10	1.6E-01	5.5E-01	3.6E-11
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1.0E-03	3.2E-08	1.6E-01	5.5E-01	2.7E-09	1.0E+00	5.5E-07	1.0E-03	5.9E-10	1.6E-01	5.5E-01	5.1E-11
1.0E-03	3.6E-08	1.6E-01	5.5E-01	3.1E-09	1.0E+00	5.5E-07	1.0E-03	5.8E-10	1.6E-01	5.5E-01	5.0E-11
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1.0E-03	3.9E-08	1.6E-01	5.5E-01	3.3E-09	7.4E-01	5.5E-07	1.0E-03	4.3E-10	1.6E-01	5.5E-01	3.7E-11
1.0E-03	3.5E-08	1.6E-01	5.5E-01	3.0E-09	7.2E-01	5.5E-07	1.0E-03	4.2E-10	1.6E-01	5.5E-01	3.6E-11
1.0E-03	3.2E-08	1.6E-01	5.5E-01	2.8E-09	7.0E-01	5.5E-07	1.0E-03	4.0E-10	1.6E-01	5.5E-01	3.5E-11
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1.0E-03	2.5E-08	1.6E-01	5.5E-01	2.1E-09	6.4E-01	5.5E-07	1.0E-03	3.7E-10	1.6E-01	5.5E-01	3.2E-11
1.0E-03	2.3E-08	1.6E-01	5.5E-01	1.9E-09	6.2E-01	5.5E-07	1.0E-03	3.6E-10	1.6E-01	5.5E-01	3.1E-11
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1.0E-03	2.8E-08	1.6E-01	5.5E-01	2.4E-09	9.7E-01	5.5E-07	1.0E-03	5.6E-10	1.6E-01	5.5E-01	4.8E-11
1.0E-03	3.1E-08	1.6E-01	5.5E-01	2.7E-09	9.6E-01	5.5E-07	1.0E-03	5.6E-10	1.6E-01	5.5E-01	4.8E-11
1.0E-03	3.5E-08	1.6E-01	5.5E-01	3.0E-09	9.5E-01	5.5E-07	1.0E-03	5.5E-10	1.6E-01	5.5E-01	4.7E-11
1.0E-03	3.8E-08	1.6E-01	5.5E-01	3.3E-09	9.4E-01	5.5E-07	1.0E-03	5.4E-10	1.6E-01	5.5E-01	4.7E-11
1.0E-03	4.2E-08	1.6E-01	5.5E-01	3.6E-09	9.2E-01	5.5E-07	1.0E-03	5.3E-10	1.6E-01	5.5E-01	4.6E-11
1.0E-03	3.4E-08	1.6E-01	5.5E-01	3.0E-09	7.1E-01	5.5E-07	1.0E-03	4.1E-10	1.6E-01	5.5E-01	3.6E-11
1.0E-03	3.2E-08	1.6E-01	5.5E-01	2.7E-09	6.9E-01	5.5E-07	1.0E-03	4.0E-10	1.6E-01	5.5E-01	3.5E-11

1.0E-03	2.9E-08	1.6E-01	5.5E-01	2.5E-09	6.7E-01	5.5E-07	1.0E-03	3.9E-10	1.6E-01	5.5E-01	3.4E-11
1.0E-03	2.7E-08	1.6E-01	5.5E-01	2.3E-09	6.6E-01	5.5E-07	1.0E-03	3.8E-10	1.6E-01	5.5E-01	3.3E-11
1.0E-03	2.5E-08	1.6E-01	5.5E-01	2.1E-09	6.4E-01	5.5E-07	1.0E-03	3.7E-10	1.6E-01	5.5E-01	3.2E-11
1.0E-03	2.3E-08	1.6E-01	5.5E-01	2.0E-09	6.2E-01	5.5E-07	1.0E-03	3.6E-10	1.6E-01	5.5E-01	3.1E-11
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1.0E-03	3.0E-08	1.6E-01	5.5E-01	2.6E-09	9.0E-01	5.5E-07	1.0E-03	5.2E-10	1.6E-01	5.5E-01	4.5E-11
1.0E-03	3.3E-08	1.6E-01	5.5E-01	2.8E-09	8.9E-01	5.5E-07	1.0E-03	5.2E-10	1.6E-01	5.5E-01	4.5E-11
1.0E-03	3.6E-08	1.6E-01	5.5E-01	3.1E-09	8.8E-01	5.5E-07	1.0E-03	5.1E-10	1.6E-01	5.5E-01	4.4E-11
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1.0E-03	2.7E-08	1.6E-01	5.5E-01	2.3E-09	6.5E-01	5.5E-07	1.0E-03	3.8E-10	1.6E-01	5.5E-01	3.3E-11
1.0E-03	2.5E-08	1.6E-01	5.5E-01	2.1E-09	6.3E-01	5.5E-07	1.0E-03	3.7E-10	1.6E-01	5.5E-01	3.2E-11
1.0E-03	2.2E-08	1.6E-01	5.5E-01	1.9E-09	6.1E-01	5.5E-07	1.0E-03	3.6E-10	1.6E-01	5.5E-01	3.1E-11
1.0E-03	2.1E-08	1.6E-01	5.5E-01	1.8E-09	6.0E-01	5.5E-07	1.0E-03	3.5E-10	1.6E-01	5.5E-01	3.0E-11
1.0E-03	1.9E-08	1.6E-01	5.5E-01	1.7E-09	5.8E-01	5.5E-07	1.0E-03	3.4E-10	1.6E-01	5.5E-01	2.9E-11
1.0E-03	1.8E-08	1.6E-01	5.5E-01	1.5E-09	5.6E-01	5.5E-07	1.0E-03	3.3E-10	1.6E-01	5.5E-01	2.8E-11
1.0E-03	1.7E-08	1.6E-01	5.5E-01	1.4E-09	5.5E-01	5.5E-07	1.0E-03	3.2E-10	1.6E-01	5.5E-01	2.7E-11
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1.0E-03	2.2E-08	1.6E-01	5.5E-01	1.9E-09	8.8E-01	5.5E-07	1.0E-03	5.1E-10	1.6E-01	5.5E-01	4.4E-11
1.0E-03	2.4E-08	1.6E-01	5.5E-01	2.1E-09	8.7E-01	5.5E-07	1.0E-03	5.1E-10	1.6E-01	5.5E-01	4.4E-11
1.0E-03	2.6E-08	1.6E-01	5.5E-01	2.3E-09	8.6E-01	5.5E-07	1.0E-03	5.0E-10	1.6E-01	5.5E-01	4.3E-11
1.0E-03	2.9E-08	1.6E-01	5.5E-01	2.5E-09	8.5E-01	5.5E-07	1.0E-03	5.0E-10	1.6E-01	5.5E-01	4.3E-11
1.0E-03	3.1E-08	1.6E-01	5.5E-01	2.7E-09	8.4E-01	5.5E-07	1.0E-03	4.9E-10	1.6E-01	5.5E-01	4.2E-11
1.0E-03	2.6E-08	1.6E-01	5.5E-01	2.3E-09	6.5E-01	5.5E-07	1.0E-03	3.8E-10	1.6E-01	5.5E-01	3.2E-11
1.0E-03	2.4E-08	1.6E-01	5.5E-01	2.1E-09	6.3E-01	5.5E-07	1.0E-03	3.7E-10	1.6E-01	5.5E-01	3.2E-11
1.0E-03	2.3E-08	1.6E-01	5.5E-01	1.9E-09	6.1E-01	5.5E-07	1.0E-03	3.6E-10	1.6E-01	5.5E-01	3.1E-11
1.0E-03	2.0E-08	1.6E-01	5.5E-01	1.7E-09	5.9E-01	5.5E-07	1.0E-03	3.4E-10	1.6E-01	5.5E-01	2.9E-11
1.0E-03	1.9E-08	1.6E-01	5.5E-01	1.6E-09	5.7E-01	5.5E-07	1.0E-03	3.3E-10	1.6E-01	5.5E-01	2.9E-11
1.0E-03	1.7E-08	1.6E-01	5.5E-01	1.5E-09	5.6E-01	5.5E-07	1.0E-03	3.2E-10	1.6E-01	5.5E-01	2.8E-11
1.0E-03	1.6E-08	1.6E-01	5.5E-01	1.4E-09	5.4E-01	5.5E-07	1.0E-03	3.1E-10	1.6E-01	5.5E-01	2.7E-11
1.0E-03	1.5E-08	1.6E-01	5.5E-01	1.3E-09	5.3E-01	5.5E-07	1.0E-03	3.0E-10	1.6E-01	5.5E-01	2.6E-11
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1.0E-03	2.0E-08	1.6E-01	5.5E-01	1.7E-09	8.4E-01	5.5E-07	1.0E-03	4.9E-10	1.6E-01	5.5E-01	4.2E-11
1.0E-03	2.2E-08	1.6E-01	5.5E-01	1.9E-09	8.4E-01	5.5E-07	1.0E-03	4.8E-10	1.6E-01	5.5E-01	4.2E-11
1.0E-03	2.3E-08	1.6E-01	5.5E-01	2.0E-09	8.3E-01	5.5E-07	1.0E-03	4.8E-10	1.6E-01	5.5E-01	4.1E-11
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1.0E-03	2.7E-08	1.6E-01	5.5E-01	2.3E-09	8.1E-01	5.5E-07	1.0E-03	4.7E-10	1.6E-01	5.5E-01	4.0E-11
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1.0E-03	1.3E-08	1.6E-01	5.5E-01	1.1E-09	5.0E-01	5.5E-07	1.0E-03	2.9E-10	1.6E-01	5.5E-01	2.5E-11
1.0E-03	1.8E-08	1.6E-01	5.5E-01	1.5E-09	8.1E-01	5.5E-07	1.0E-03	4.7E-10	1.6E-01	5.5E-01	4.0E-11
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1.0E-03	1.5E-08	1.6E-01	5.5E-01	1.3E-09	7.0E-01	5.5E-07	1.0E-03	4.0E-10	1.6E-01	5.5E-01	3.5E-11
1.0E-03	1.6E-08	1.6E-01	5.5E-01	1.4E-09	6.9E-01	5.5E-07	1.0E-03	4.0E-10	1.6E-01	5.5E-01	3.5E-11
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1.0E-03	1.4E-08	1.6E-01	5.5E-01	1.2E-09	5.0E-01	5.5E-07	1.0E-03	2.9E-10	1.6E-01	5.5E-01	2.5E-11
1.0E-03	1.3E-08	1.6E-01	5.5E-01	1.1E-09	4.8E-01	5.5E-07	1.0E-03	2.8E-10	1.6E-01	5.5E-01	2.4E-11
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1.0E-03	1.4E-08	1.6E-01	5.5E-01	1.2E-09	6.7E-01	5.5E-07	1.0E-03	3.9E-10	1.6E-01	5.5E-01	3.3E-11

1.0E-03	1.5E-08	1.6E-01	5.5E-01	1.3E-09	6.7E-01	5.5E-07	1.0E-03	3.9E-10	1.6E-01	5.5E-01	3.3E-11
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1.0E-03	1.4E-08	1.6E-01	5.5E-01	1.2E-09	6.3E-01	5.5E-07	1.0E-03	3.7E-10	1.6E-01	5.5E-01	3.2E-11
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1.0E-03	1.2E-08	1.6E-01	5.5E-01	1.0E-09	4.7E-01	5.5E-07	1.0E-03	2.7E-10	1.6E-01	5.5E-01	2.3E-11
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1.0E-03	1.0E-08	1.6E-01	5.5E-01	8.9E-10	4.4E-01	5.5E-07	1.0E-03	2.5E-10	1.6E-01	5.5E-01	2.2E-11
1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.1E-10	6.3E-01	5.5E-07	1.0E-03	3.6E-10	1.6E-01	5.5E-01	3.1E-11
1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.6E-10	6.3E-01	5.5E-07	1.0E-03	3.6E-10	1.6E-01	5.5E-01	3.1E-11
1.0E-03	1.2E-08	1.6E-01	5.5E-01	1.0E-09	6.2E-01	5.5E-07	1.0E-03	3.6E-10	1.6E-01	5.5E-01	3.1E-11
1.0E-03	1.2E-08	1.6E-01	5.5E-01	1.1E-09	6.2E-01	5.5E-07	1.0E-03	3.6E-10	1.6E-01	5.5E-01	3.1E-11
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1.0E-03	1.3E-08	1.6E-01	5.5E-01	1.1E-09	6.0E-01	5.5E-07	1.0E-03	3.5E-10	1.6E-01	5.5E-01	3.0E-11
1.0E-03	1.4E-08	1.6E-01	5.5E-01	1.2E-09	6.0E-01	5.5E-07	1.0E-03	3.5E-10	1.6E-01	5.5E-01	3.0E-11
1.0E-03	1.4E-08	1.6E-01	5.5E-01	1.2E-09	5.9E-01	5.5E-07	1.0E-03	3.4E-10	1.6E-01	5.5E-01	2.9E-11
1.0E-03	1.4E-08	1.6E-01	5.5E-01	1.2E-09	5.8E-01	5.5E-07	1.0E-03	3.4E-10	1.6E-01	5.5E-01	2.9E-11
1.0E-03	1.4E-08	1.6E-01	5.5E-01	1.2E-09	5.8E-01	5.5E-07	1.0E-03	3.3E-10	1.6E-01	5.5E-01	2.9E-11
1.0E-03	1.5E-08	1.6E-01	5.5E-01	1.3E-09	5.7E-01	5.5E-07	1.0E-03	3.3E-10	1.6E-01	5.5E-01	2.8E-11
1.0E-03	1.5E-08	1.6E-01	5.5E-01	1.3E-09	5.6E-01	5.5E-07	1.0E-03	3.2E-10	1.6E-01	5.5E-01	2.8E-11
1.0E-03	1.5E-08	1.6E-01	5.5E-01	1.3E-09	5.5E-01	5.5E-07	1.0E-03	3.2E-10	1.6E-01	5.5E-01	2.7E-11
1.0E-03	1.4E-08	1.6E-01	5.5E-01	1.2E-09	5.4E-01	5.5E-07	1.0E-03	3.1E-10	1.6E-01	5.5E-01	2.7E-11
1.0E-03	1.4E-08	1.6E-01	5.5E-01	1.2E-09	5.3E-01	5.5E-07	1.0E-03	3.1E-10	1.6E-01	5.5E-01	2.7E-11
1.0E-03	1.4E-08	1.6E-01	5.5E-01	1.2E-09	5.2E-01	5.5E-07	1.0E-03	3.0E-10	1.6E-01	5.5E-01	2.6E-11
1.0E-03	1.4E-08	1.6E-01	5.5E-01	1.2E-09	5.1E-01	5.5E-07	1.0E-03	3.0E-10	1.6E-01	5.5E-01	2.6E-11
1.0E-03	1.3E-08	1.6E-01	5.5E-01	1.2E-09	5.1E-01	5.5E-07	1.0E-03	2.9E-10	1.6E-01	5.5E-01	2.5E-11
1.0E-03	1.3E-08	1.6E-01	5.5E-01	1.1E-09	5.0E-01	5.5E-07	1.0E-03	2.9E-10	1.6E-01	5.5E-01	2.5E-11
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1.0E-03	9.8E-09	1.6E-01	5.5E-01	8.4E-10	6.1E-01	5.5E-07	1.0E-03	3.5E-10	1.6E-01	5.5E-01	3.0E-11
1.0E-03	1.0E-08	1.6E-01	5.5E-01	8.9E-10	6.0E-01	5.5E-07	1.0E-03	3.5E-10	1.6E-01	5.5E-01	3.0E-11
1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.3E-10	6.0E-01	5.5E-07	1.0E-03	3.5E-10	1.6E-01	5.5E-01	3.0E-11
1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.7E-10	5.9E-01	5.5E-07	1.0E-03	3.4E-10	1.6E-01	5.5E-01	3.0E-11

1.0E-03	1.2E-08	1.6E-01	5.5E-01	1.0E-09	5.9E-01	5.5E-07	1.0E-03	3.4E-10	1.6E-01	5.5E-01	2.9E-11
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1.0E-03	1.2E-08	1.6E-01	5.5E-01	1.1E-09	5.2E-01	5.5E-07	1.0E-03	3.0E-10	1.6E-01	5.5E-01	2.6E-11
1.0E-03	1.2E-08	1.6E-01	5.5E-01	1.1E-09	5.1E-01	5.5E-07	1.0E-03	2.9E-10	1.6E-01	5.5E-01	2.5E-11
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1.0E-03	1.2E-08	1.6E-01	5.5E-01	1.0E-09	4.9E-01	5.5E-07	1.0E-03	2.9E-10	1.6E-01	5.5E-01	2.5E-11
1.0E-03	1.2E-08	1.6E-01	5.5E-01	1.0E-09	4.8E-01	5.5E-07	1.0E-03	2.8E-10	1.6E-01	5.5E-01	2.4E-11
1.0E-03	1.2E-08	1.6E-01	5.5E-01	1.0E-09	4.8E-01	5.5E-07	1.0E-03	2.8E-10	1.6E-01	5.5E-01	2.4E-11
1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.8E-10	4.7E-01	5.5E-07	1.0E-03	2.7E-10	1.6E-01	5.5E-01	2.3E-11
1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.5E-10	4.6E-01	5.5E-07	1.0E-03	2.7E-10	1.6E-01	5.5E-01	2.3E-11
1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.2E-10	4.5E-01	5.5E-07	1.0E-03	2.6E-10	1.6E-01	5.5E-01	2.2E-11
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1.0E-03	1.0E-08	1.6E-01	5.5E-01	8.6E-10	4.3E-01	5.5E-07	1.0E-03	2.5E-10	1.6E-01	5.5E-01	2.2E-11
1.0E-03	9.7E-09	1.6E-01	5.5E-01	8.3E-10	4.2E-01	5.5E-07	1.0E-03	2.5E-10	1.6E-01	5.5E-01	2.1E-11
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1.0E-03	8.9E-09	1.6E-01	5.5E-01	7.7E-10	4.1E-01	5.5E-07	1.0E-03	2.4E-10	1.6E-01	5.5E-01	2.0E-11
1.0E-03	8.5E-09	1.6E-01	5.5E-01	7.3E-10	5.6E-01	5.5E-07	1.0E-03	3.2E-10	1.6E-01	5.5E-01	2.8E-11

1.0E-03	8.8E-09	1.6E-01	5.5E-01	7.6E-10	5.6E-01	5.5E-07	1.0E-03	3.2E-10	1.6E-01	5.5E-01	2.8E-11
1.0E-03	9.2E-09	1.6E-01	5.5E-01	7.9E-10	5.5E-01	5.5E-07	1.0E-03	3.2E-10	1.6E-01	5.5E-01	2.8E-11
1.0E-03	9.6E-09	1.6E-01	5.5E-01	8.2E-10	5.5E-01	5.5E-07	1.0E-03	3.2E-10	1.6E-01	5.5E-01	2.7E-11
1.0E-03	9.9E-09	1.6E-01	5.5E-01	8.5E-10	5.5E-01	5.5E-07	1.0E-03	3.2E-10	1.6E-01	5.5E-01	2.7E-11
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1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.6E-10	5.2E-01	5.5E-07	1.0E-03	3.0E-10	1.6E-01	5.5E-01	2.6E-11
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1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.8E-10	5.1E-01	5.5E-07	1.0E-03	2.9E-10	1.6E-01	5.5E-01	2.5E-11
1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.8E-10	5.0E-01	5.5E-07	1.0E-03	2.9E-10	1.6E-01	5.5E-01	2.5E-11
1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.8E-10	4.9E-01	5.5E-07	1.0E-03	2.9E-10	1.6E-01	5.5E-01	2.5E-11
1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.7E-10	4.9E-01	5.5E-07	1.0E-03	2.8E-10	1.6E-01	5.5E-01	2.4E-11
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1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.5E-10	4.7E-01	5.5E-07	1.0E-03	2.7E-10	1.6E-01	5.5E-01	2.3E-11
1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.3E-10	4.6E-01	5.5E-07	1.0E-03	2.7E-10	1.6E-01	5.5E-01	2.3E-11
1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.1E-10	4.5E-01	5.5E-07	1.0E-03	2.6E-10	1.6E-01	5.5E-01	2.3E-11
1.0E-03	1.0E-08	1.6E-01	5.5E-01	8.9E-10	4.5E-01	5.5E-07	1.0E-03	2.6E-10	1.6E-01	5.5E-01	2.2E-11
1.0E-03	1.0E-08	1.6E-01	5.5E-01	8.7E-10	4.4E-01	5.5E-07	1.0E-03	2.5E-10	1.6E-01	5.5E-01	2.2E-11
1.0E-03	9.8E-09	1.6E-01	5.5E-01	8.4E-10	4.3E-01	5.5E-07	1.0E-03	2.5E-10	1.6E-01	5.5E-01	2.1E-11
1.0E-03	9.5E-09	1.6E-01	5.5E-01	8.1E-10	4.2E-01	5.5E-07	1.0E-03	2.4E-10	1.6E-01	5.5E-01	2.1E-11
1.0E-03	9.1E-09	1.6E-01	5.5E-01	7.9E-10	4.1E-01	5.5E-07	1.0E-03	2.4E-10	1.6E-01	5.5E-01	2.1E-11
1.0E-03	8.8E-09	1.6E-01	5.5E-01	7.6E-10	4.1E-01	5.5E-07	1.0E-03	2.4E-10	1.6E-01	5.5E-01	2.0E-11
1.0E-03	8.5E-09	1.6E-01	5.5E-01	7.3E-10	4.0E-01	5.5E-07	1.0E-03	2.3E-10	1.6E-01	5.5E-01	2.0E-11
1.0E-03	7.9E-09	1.6E-01	5.5E-01	6.8E-10	5.4E-01	5.5E-07	1.0E-03	3.1E-10	1.6E-01	5.5E-01	2.7E-11
1.0E-03	8.2E-09	1.6E-01	5.5E-01	7.1E-10	5.4E-01	5.5E-07	1.0E-03	3.1E-10	1.6E-01	5.5E-01	2.7E-11
1.0E-03	8.6E-09	1.6E-01	5.5E-01	7.4E-10	5.3E-01	5.5E-07	1.0E-03	3.1E-10	1.6E-01	5.5E-01	2.7E-11
1.0E-03	8.9E-09	1.6E-01	5.5E-01	7.7E-10	5.3E-01	5.5E-07	1.0E-03	3.1E-10	1.6E-01	5.5E-01	2.6E-11
1.0E-03	9.2E-09	1.6E-01	5.5E-01	7.9E-10	5.3E-01	5.5E-07	1.0E-03	3.1E-10	1.6E-01	5.5E-01	2.6E-11
1.0E-03	9.5E-09	1.6E-01	5.5E-01	8.2E-10	5.2E-01	5.5E-07	1.0E-03	3.0E-10	1.6E-01	5.5E-01	2.6E-11
1.0E-03	9.7E-09	1.6E-01	5.5E-01	8.4E-10	5.2E-01	5.5E-07	1.0E-03	3.0E-10	1.6E-01	5.5E-01	2.6E-11
1.0E-03	1.0E-08	1.6E-01	5.5E-01	8.6E-10	5.1E-01	5.5E-07	1.0E-03	3.0E-10	1.6E-01	5.5E-01	2.6E-11
1.0E-03	1.0E-08	1.6E-01	5.5E-01	8.7E-10	5.1E-01	5.5E-07	1.0E-03	2.9E-10	1.6E-01	5.5E-01	2.5E-11
1.0E-03	1.0E-08	1.6E-01	5.5E-01	8.9E-10	5.0E-01	5.5E-07	1.0E-03	2.9E-10	1.6E-01	5.5E-01	2.5E-11
1.0E-03	1.0E-08	1.6E-01	5.5E-01	9.0E-10	5.0E-01	5.5E-07	1.0E-03	2.9E-10	1.6E-01	5.5E-01	2.5E-11
1.0E-03	1.0E-08	1.6E-01	5.5E-01	9.0E-10	4.9E-01	5.5E-07	1.0E-03	2.8E-10	1.6E-01	5.5E-01	2.4E-11
1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.1E-10	4.8E-01	5.5E-07	1.0E-03	2.8E-10	1.6E-01	5.5E-01	2.4E-11
1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.1E-10	4.8E-01	5.5E-07	1.0E-03	2.8E-10	1.6E-01	5.5E-01	2.4E-11
1.0E-03	1.0E-08	1.6E-01	5.5E-01	9.0E-10	4.7E-01	5.5E-07	1.0E-03	2.7E-10	1.6E-01	5.5E-01	2.3E-11
1.0E-03	1.0E-08	1.6E-01	5.5E-01	8.9E-10	4.6E-01	5.5E-07	1.0E-03	2.7E-10	1.6E-01	5.5E-01	2.3E-11
1.0E-03	1.0E-08	1.6E-01	5.5E-01	8.8E-10	4.6E-01	5.5E-07	1.0E-03	2.6E-10	1.6E-01	5.5E-01	2.3E-11
1.0E-03	1.0E-08	1.6E-01	5.5E-01	8.7E-10	4.5E-01	5.5E-07	1.0E-03	2.6E-10	1.6E-01	5.5E-01	2.2E-11
1.0E-03	9.9E-09	1.6E-01	5.5E-01	8.5E-10	4.4E-01	5.5E-07	1.0E-03	2.6E-10	1.6E-01	5.5E-01	2.2E-11
1.0E-03	9.7E-09	1.6E-01	5.5E-01	8.3E-10	4.3E-01	5.5E-07	1.0E-03	2.5E-10	1.6E-01	5.5E-01	2.2E-11
1.0E-03	9.4E-09	1.6E-01	5.5E-01	8.1E-10	4.3E-01	5.5E-07	1.0E-03	2.5E-10	1.6E-01	5.5E-01	2.1E-11
1.0E-03	9.2E-09	1.6E-01	5.5E-01	7.9E-10	4.2E-01	5.5E-07	1.0E-03	2.4E-10	1.6E-01	5.5E-01	2.1E-11
1.0E-03	8.9E-09	1.6E-01	5.5E-01	7.7E-10	4.1E-01	5.5E-07	1.0E-03	2.4E-10	1.6E-01	5.5E-01	2.1E-11
1.0E-03	8.6E-09	1.6E-01	5.5E-01	7.4E-10	4.0E-01	5.5E-07	1.0E-03	2.3E-10	1.6E-01	5.5E-01	2.0E-11

1.0E-03	8.4E-09	1.6E-01	5.5E-01	7.2E-10	4.0E-01	5.5E-07	1.0E-03	2.3E-10	1.6E-01	5.5E-01	2.0E-11
1.0E-03	8.1E-09	1.6E-01	5.5E-01	6.9E-10	3.9E-01	5.5E-07	1.0E-03	2.2E-10	1.6E-01	5.5E-01	1.9E-11
1.0E-03	7.4E-09	1.6E-01	5.5E-01	6.4E-10	5.2E-01	5.5E-07	1.0E-03	3.0E-10	1.6E-01	5.5E-01	2.6E-11
1.0E-03	7.7E-09	1.6E-01	5.5E-01	6.6E-10	5.2E-01	5.5E-07	1.0E-03	3.0E-10	1.6E-01	5.5E-01	2.6E-11
1.0E-03	8.0E-09	1.6E-01	5.5E-01	6.9E-10	5.2E-01	5.5E-07	1.0E-03	3.0E-10	1.6E-01	5.5E-01	2.6E-11
1.0E-03	8.3E-09	1.6E-01	5.5E-01	7.1E-10	5.1E-01	5.5E-07	1.0E-03	3.0E-10	1.6E-01	5.5E-01	2.6E-11
1.0E-03	8.5E-09	1.6E-01	5.5E-01	7.4E-10	5.1E-01	5.5E-07	1.0E-03	2.9E-10	1.6E-01	5.5E-01	2.5E-11
1.0E-03	8.8E-09	1.6E-01	5.5E-01	7.6E-10	5.0E-01	5.5E-07	1.0E-03	2.9E-10	1.6E-01	5.5E-01	2.5E-11
1.0E-03	9.0E-09	1.6E-01	5.5E-01	7.8E-10	5.0E-01	5.5E-07	1.0E-03	2.9E-10	1.6E-01	5.5E-01	2.5E-11
1.0E-03	9.2E-09	1.6E-01	5.5E-01	7.9E-10	5.0E-01	5.5E-07	1.0E-03	2.9E-10	1.6E-01	5.5E-01	2.5E-11
1.0E-03	9.4E-09	1.6E-01	5.5E-01	8.1E-10	4.9E-01	5.5E-07	1.0E-03	2.8E-10	1.6E-01	5.5E-01	2.4E-11
1.0E-03	9.6E-09	1.6E-01	5.5E-01	8.2E-10	4.9E-01	5.5E-07	1.0E-03	2.8E-10	1.6E-01	5.5E-01	2.4E-11
1.0E-03	9.7E-09	1.6E-01	5.5E-01	8.3E-10	4.8E-01	5.5E-07	1.0E-03	2.8E-10	1.6E-01	5.5E-01	2.4E-11
1.0E-03	9.7E-09	1.6E-01	5.5E-01	8.4E-10	4.7E-01	5.5E-07	1.0E-03	2.7E-10	1.6E-01	5.5E-01	2.4E-11
1.0E-03	9.8E-09	1.6E-01	5.5E-01	8.4E-10	4.7E-01	5.5E-07	1.0E-03	2.7E-10	1.6E-01	5.5E-01	2.3E-11
1.0E-03	9.8E-09	1.6E-01	5.5E-01	8.4E-10	4.6E-01	5.5E-07	1.0E-03	2.7E-10	1.6E-01	5.5E-01	2.3E-11
1.0E-03	9.7E-09	1.6E-01	5.5E-01	8.4E-10	4.6E-01	5.5E-07	1.0E-03	2.6E-10	1.6E-01	5.5E-01	2.3E-11
1.0E-03	9.7E-09	1.6E-01	5.5E-01	8.3E-10	4.5E-01	5.5E-07	1.0E-03	2.6E-10	1.6E-01	5.5E-01	2.2E-11
1.0E-03	9.6E-09	1.6E-01	5.5E-01	8.3E-10	4.4E-01	5.5E-07	1.0E-03	2.6E-10	1.6E-01	5.5E-01	2.2E-11
1.0E-03	9.5E-09	1.6E-01	5.5E-01	8.1E-10	4.4E-01	5.5E-07	1.0E-03	2.5E-10	1.6E-01	5.5E-01	2.2E-11
1.0E-03	9.3E-09	1.6E-01	5.5E-01	8.0E-10	4.3E-01	5.5E-07	1.0E-03	2.5E-10	1.6E-01	5.5E-01	2.1E-11
1.0E-03	9.1E-09	1.6E-01	5.5E-01	7.8E-10	4.2E-01	5.5E-07	1.0E-03	2.4E-10	1.6E-01	5.5E-01	2.1E-11
1.0E-03	8.9E-09	1.6E-01	5.5E-01	7.6E-10	4.1E-01	5.5E-07	1.0E-03	2.4E-10	1.6E-01	5.5E-01	2.1E-11
1.0E-03	8.7E-09	1.6E-01	5.5E-01	7.5E-10	4.1E-01	5.5E-07	1.0E-03	2.4E-10	1.6E-01	5.5E-01	2.0E-11
1.0E-03	8.4E-09	1.6E-01	5.5E-01	7.3E-10	4.0E-01	5.5E-07	1.0E-03	2.3E-10	1.6E-01	5.5E-01	2.0E-11
1.0E-03	8.2E-09	1.6E-01	5.5E-01	7.1E-10	3.9E-01	5.5E-07	1.0E-03	2.3E-10	1.6E-01	5.5E-01	2.0E-11
1.0E-03	7.9E-09	1.6E-01	5.5E-01	6.8E-10	3.9E-01	5.5E-07	1.0E-03	2.2E-10	1.6E-01	5.5E-01	1.9E-11
1.0E-03	7.7E-09	1.6E-01	5.5E-01	6.6E-10	3.8E-01	5.5E-07	1.0E-03	2.2E-10	1.6E-01	5.5E-01	1.9E-11

Risk From New Building AC - Unmitigated Residential

Franklin School Project
Risk From New Building AC - Unmitigated Residential

	0.30	Max					Onsite		
Receptor #	**Total/ Million**	**Total**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
1	0.00	8.0E-10	1.8E-01	9.9E-04	1.0E-03	1.8E-07	1.6E-01	2.7E-02	8.0E-10
2	0.00	8.7E-10	2.0E-01	9.9E-04	1.0E-03	2.0E-07	1.6E-01	2.7E-02	8.7E-10
3	0.00	9.5E-10	2.1E-01	9.9E-04	1.0E-03	2.2E-07	1.6E-01	2.7E-02	9.5E-10
4	0.00	1.0E-09	2.3E-01	9.9E-04	1.0E-03	2.4E-07	1.6E-01	2.7E-02	1.0E-09
5	0.00	1.1E-09	2.5E-01	9.9E-04	1.0E-03	2.6E-07	1.6E-01	2.7E-02	1.1E-09
6	0.00	1.2E-09	2.7E-01	9.9E-04	1.0E-03	2.8E-07	1.6E-01	2.7E-02	1.2E-09
7	0.00	1.3E-09	2.9E-01	9.9E-04	1.0E-03	2.9E-07	1.6E-01	2.7E-02	1.3E-09
8	0.00	1.3E-09	3.0E-01	9.9E-04	1.0E-03	3.1E-07	1.6E-01	2.7E-02	1.3E-09
9	0.00	1.4E-09	3.2E-01	9.9E-04	1.0E-03	3.3E-07	1.6E-01	2.7E-02	1.4E-09
10	0.00	1.5E-09	3.3E-01	9.9E-04	1.0E-03	3.4E-07	1.6E-01	2.7E-02	1.5E-09
11	0.00	1.6E-09	3.5E-01	9.9E-04	1.0E-03	3.7E-07	1.6E-01	2.7E-02	1.6E-09
12	0.00	1.7E-09	3.8E-01	9.9E-04	1.0E-03	3.9E-07	1.6E-01	2.7E-02	1.7E-09
13	0.00	1.8E-09	4.0E-01	9.9E-04	1.0E-03	4.1E-07	1.6E-01	2.7E-02	1.8E-09
14	0.00	1.9E-09	4.2E-01	9.9E-04	1.0E-03	4.4E-07	1.6E-01	2.7E-02	1.9E-09
15	0.00	2.0E-09	4.4E-01	9.9E-04	1.0E-03	4.5E-07	1.6E-01	2.7E-02	2.0E-09
16	0.00	2.0E-09	4.5E-01	9.9E-04	1.0E-03	4.7E-07	1.6E-01	2.7E-02	2.0E-09
17	0.00	8.9E-10	2.0E-01	9.9E-04	1.0E-03	2.1E-07	1.6E-01	2.7E-02	8.9E-10
18	0.00	9.8E-10	2.2E-01	9.9E-04	1.0E-03	2.3E-07	1.6E-01	2.7E-02	9.8E-10
19	0.00	1.1E-09	2.4E-01	9.9E-04	1.0E-03	2.5E-07	1.6E-01	2.7E-02	1.1E-09
20	0.00	1.2E-09	2.7E-01	9.9E-04	1.0E-03	2.8E-07	1.6E-01	2.7E-02	1.2E-09
21	0.00	1.3E-09	2.9E-01	9.9E-04	1.0E-03	3.0E-07	1.6E-01	2.7E-02	1.3E-09
22	0.00	1.4E-09	3.2E-01	9.9E-04	1.0E-03	3.3E-07	1.6E-01	2.7E-02	1.4E-09
23	0.00	1.5E-09	3.4E-01	9.9E-04	1.0E-03	3.5E-07	1.6E-01	2.7E-02	1.5E-09
24	0.00	1.6E-09	3.6E-01	9.9E-04	1.0E-03	3.8E-07	1.6E-01	2.7E-02	1.6E-09
25	0.00	1.7E-09	3.9E-01	9.9E-04	1.0E-03	4.0E-07	1.6E-01	2.7E-02	1.7E-09
26	0.00	1.8E-09	4.1E-01	9.9E-04	1.0E-03	4.2E-07	1.6E-01	2.7E-02	1.8E-09
27	0.00	2.0E-09	4.4E-01	9.9E-04	1.0E-03	4.6E-07	1.6E-01	2.7E-02	2.0E-09
28	0.00	2.1E-09	4.8E-01	9.9E-04	1.0E-03	4.9E-07	1.6E-01	2.7E-02	2.1E-09
29	0.00	2.3E-09	5.1E-01	9.9E-04	1.0E-03	5.2E-07	1.6E-01	2.7E-02	2.3E-09
30	0.00	2.4E-09	5.3E-01	9.9E-04	1.0E-03	5.5E-07	1.6E-01	2.7E-02	2.4E-09
31	0.00	2.5E-09	5.5E-01	9.9E-04	1.0E-03	5.7E-07	1.6E-01	2.7E-02	2.5E-09
32	0.00	2.5E-09	5.6E-01	9.9E-04	1.0E-03	5.8E-07	1.6E-01	2.7E-02	2.5E-09
33	0.00	1.0E-09	2.2E-01	9.9E-04	1.0E-03	2.3E-07	1.6E-01	2.7E-02	1.0E-09
34	0.00	1.1E-09	2.5E-01	9.9E-04	1.0E-03	2.6E-07	1.6E-01	2.7E-02	1.1E-09
35	0.00	1.3E-09	2.8E-01	9.9E-04	1.0E-03	2.9E-07	1.6E-01	2.7E-02	1.3E-09
36	0.00	1.4E-09	3.1E-01	9.9E-04	1.0E-03	3.2E-07	1.6E-01	2.7E-02	1.4E-09
37	0.00	1.6E-09	3.5E-01	9.9E-04	1.0E-03	3.6E-07	1.6E-01	2.7E-02	1.6E-09
38	0.00	1.7E-09	3.8E-01	9.9E-04	1.0E-03	4.0E-07	1.6E-01	2.7E-02	1.7E-09
39	0.00	1.9E-09	4.2E-01	9.9E-04	1.0E-03	4.3E-07	1.6E-01	2.7E-02	1.9E-09
40	0.00	2.0E-09	4.5E-01	9.9E-04	1.0E-03	4.7E-07	1.6E-01	2.7E-02	2.0E-09
41	0.00	2.1E-09	4.8E-01	9.9E-04	1.0E-03	5.0E-07	1.6E-01	2.7E-02	2.1E-09
42	0.00	2.3E-09	5.2E-01	9.9E-04	1.0E-03	5.3E-07	1.6E-01	2.7E-02	2.3E-09
43	0.00	2.5E-09	5.7E-01	9.9E-04	1.0E-03	5.9E-07	1.6E-01	2.7E-02	2.5E-09

44	0.00	2.7E-09	6.2E-01	9.9E-04	1.0E-03	6.4E-07	1.6E-01	2.7E-02	2.7E-09
45	0.00	2.9E-09	6.6E-01	9.9E-04	1.0E-03	6.8E-07	1.6E-01	2.7E-02	2.9E-09
46	0.00	3.1E-09	6.9E-01	9.9E-04	1.0E-03	7.1E-07	1.6E-01	2.7E-02	3.1E-09
47	0.00	3.1E-09	7.1E-01	9.9E-04	1.0E-03	7.3E-07	1.6E-01	2.7E-02	3.1E-09
48	0.00	3.1E-09	7.0E-01	9.9E-04	1.0E-03	7.3E-07	1.6E-01	2.7E-02	3.1E-09
49	0.00	1.1E-09	2.5E-01	9.9E-04	1.0E-03	2.6E-07	1.6E-01	2.7E-02	1.1E-09
50	0.00	1.3E-09	2.9E-01	9.9E-04	1.0E-03	3.0E-07	1.6E-01	2.7E-02	1.3E-09
51	0.00	1.5E-09	3.3E-01	9.9E-04	1.0E-03	3.4E-07	1.6E-01	2.7E-02	1.5E-09
52	0.00	1.7E-09	3.7E-01	9.9E-04	1.0E-03	3.8E-07	1.6E-01	2.7E-02	1.7E-09
53	0.00	1.9E-09	4.2E-01	9.9E-04	1.0E-03	4.4E-07	1.6E-01	2.7E-02	1.9E-09
54	0.00	2.1E-09	4.7E-01	9.9E-04	1.0E-03	4.9E-07	1.6E-01	2.7E-02	2.1E-09
55	0.00	2.3E-09	5.2E-01	9.9E-04	1.0E-03	5.4E-07	1.6E-01	2.7E-02	2.3E-09
56	0.00	2.5E-09	5.7E-01	9.9E-04	1.0E-03	5.9E-07	1.6E-01	2.7E-02	2.5E-09
57	0.00	2.8E-09	6.2E-01	9.9E-04	1.0E-03	6.4E-07	1.6E-01	2.7E-02	2.8E-09
58	0.00	3.0E-09	6.8E-01	9.9E-04	1.0E-03	7.0E-07	1.6E-01	2.7E-02	3.0E-09
59	0.00	3.4E-09	7.7E-01	9.9E-04	1.0E-03	7.9E-07	1.6E-01	2.7E-02	3.4E-09
60	0.00	3.7E-09	8.3E-01	9.9E-04	1.0E-03	8.6E-07	1.6E-01	2.7E-02	3.7E-09
61	0.00	3.9E-09	8.9E-01	9.9E-04	1.0E-03	9.1E-07	1.6E-01	2.7E-02	3.9E-09
62	0.00	4.1E-09	9.1E-01	9.9E-04	1.0E-03	9.4E-07	1.6E-01	2.7E-02	4.1E-09
63	0.00	4.1E-09	9.1E-01	9.9E-04	1.0E-03	9.4E-07	1.6E-01	2.7E-02	4.1E-09
64	0.00	3.9E-09	8.8E-01	9.9E-04	1.0E-03	9.1E-07	1.6E-01	2.7E-02	3.9E-09
65	0.00	1.3E-09	2.8E-01	9.9E-04	1.0E-03	2.9E-07	1.6E-01	2.7E-02	1.3E-09
66	0.00	1.5E-09	3.3E-01	9.9E-04	1.0E-03	3.4E-07	1.6E-01	2.7E-02	1.5E-09
67	0.00	1.7E-09	3.8E-01	9.9E-04	1.0E-03	3.9E-07	1.6E-01	2.7E-02	1.7E-09
68	0.00	2.0E-09	4.4E-01	9.9E-04	1.0E-03	4.6E-07	1.6E-01	2.7E-02	2.0E-09
69	0.00	2.3E-09	5.2E-01	9.9E-04	1.0E-03	5.3E-07	1.6E-01	2.7E-02	2.3E-09
70	0.00	2.7E-09	6.0E-01	9.9E-04	1.0E-03	6.2E-07	1.6E-01	2.7E-02	2.7E-09
71	0.00	3.0E-09	6.8E-01	9.9E-04	1.0E-03	7.0E-07	1.6E-01	2.7E-02	3.0E-09
72	0.00	3.3E-09	7.5E-01	9.9E-04	1.0E-03	7.8E-07	1.6E-01	2.7E-02	3.3E-09
73	0.00	3.7E-09	8.4E-01	9.9E-04	1.0E-03	8.6E-07	1.6E-01	2.7E-02	3.7E-09
74	0.00	4.2E-09	9.5E-01	9.9E-04	1.0E-03	9.9E-07	1.6E-01	2.7E-02	4.2E-09
75	0.00	4.8E-09	1.1E+00	9.9E-04	1.0E-03	1.1E-06	1.6E-01	2.7E-02	4.8E-09
76	0.01	5.2E-09	1.2E+00	9.9E-04	1.0E-03	1.2E-06	1.6E-01	2.7E-02	5.2E-09
77	0.01	5.5E-09	1.2E+00	9.9E-04	1.0E-03	1.3E-06	1.6E-01	2.7E-02	5.5E-09
78	0.01	5.5E-09	1.2E+00	9.9E-04	1.0E-03	1.3E-06	1.6E-01	2.7E-02	5.5E-09
79	0.01	5.2E-09	1.2E+00	9.9E-04	1.0E-03	1.2E-06	1.6E-01	2.7E-02	5.2E-09
80	0.00	4.9E-09	1.1E+00	9.9E-04	1.0E-03	1.1E-06	1.6E-01	2.7E-02	4.9E-09
81	0.00	1.4E-09	3.1E-01	9.9E-04	1.0E-03	3.3E-07	1.6E-01	2.7E-02	1.4E-09
82	0.00	1.7E-09	3.7E-01	9.9E-04	1.0E-03	3.8E-07	1.6E-01	2.7E-02	1.7E-09
83	0.00	2.0E-09	4.5E-01	9.9E-04	1.0E-03	4.6E-07	1.6E-01	2.7E-02	2.0E-09
84	0.00	2.4E-09	5.4E-01	9.9E-04	1.0E-03	5.5E-07	1.6E-01	2.7E-02	2.4E-09
85	0.00	2.9E-09	6.5E-01	9.9E-04	1.0E-03	6.7E-07	1.6E-01	2.7E-02	2.9E-09
86	0.00	3.4E-09	7.7E-01	9.9E-04	1.0E-03	8.0E-07	1.6E-01	2.7E-02	3.4E-09
87	0.00	4.1E-09	9.1E-01	9.9E-04	1.0E-03	9.4E-07	1.6E-01	2.7E-02	4.1E-09
88	0.00	4.7E-09	1.1E+00	9.9E-04	1.0E-03	1.1E-06	1.6E-01	2.7E-02	4.7E-09
89	0.01	5.3E-09	1.2E+00	9.9E-04	1.0E-03	1.2E-06	1.6E-01	2.7E-02	5.3E-09
90	0.01	6.3E-09	1.4E+00	9.9E-04	1.0E-03	1.5E-06	1.6E-01	2.7E-02	6.3E-09
91	0.01	7.1E-09	1.6E+00	9.9E-04	1.0E-03	1.6E-06	1.6E-01	2.7E-02	7.1E-09
92	0.01	7.7E-09	1.7E+00	9.9E-04	1.0E-03	1.8E-06	1.6E-01	2.7E-02	7.7E-09

93	0.01	7.8E-09	1.7E+00	9.9E-04	1.0E-03	1.8E-06	1.6E-01	2.7E-02	7.8E-09
94	0.01	7.4E-09	1.7E+00	9.9E-04	1.0E-03	1.7E-06	1.6E-01	2.7E-02	7.4E-09
95	0.01	6.7E-09	1.5E+00	9.9E-04	1.0E-03	1.6E-06	1.6E-01	2.7E-02	6.7E-09
96	0.01	5.9E-09	1.3E+00	9.9E-04	1.0E-03	1.4E-06	1.6E-01	2.7E-02	5.9E-09
97	0.00	1.5E-09	3.5E-01	9.9E-04	1.0E-03	3.6E-07	1.6E-01	2.7E-02	1.5E-09
98	0.00	1.9E-09	4.2E-01	9.9E-04	1.0E-03	4.4E-07	1.6E-01	2.7E-02	1.9E-09
99	0.00	2.3E-09	5.2E-01	9.9E-04	1.0E-03	5.4E-07	1.6E-01	2.7E-02	2.3E-09
100	0.00	2.9E-09	6.5E-01	9.9E-04	1.0E-03	6.7E-07	1.6E-01	2.7E-02	2.9E-09
101	0.00	3.6E-09	8.2E-01	9.9E-04	1.0E-03	8.4E-07	1.6E-01	2.7E-02	3.6E-09
102	0.00	4.6E-09	1.0E+00	9.9E-04	1.0E-03	1.1E-06	1.6E-01	2.7E-02	4.6E-09
103	0.01	5.7E-09	1.3E+00	9.9E-04	1.0E-03	1.3E-06	1.6E-01	2.7E-02	5.7E-09
104	0.01	7.0E-09	1.6E+00	9.9E-04	1.0E-03	1.6E-06	1.6E-01	2.7E-02	7.0E-09
105	0.01	8.3E-09	1.9E+00	9.9E-04	1.0E-03	1.9E-06	1.6E-01	2.7E-02	8.3E-09
106	0.01	1.0E-08	2.3E+00	9.9E-04	1.0E-03	2.4E-06	1.6E-01	2.7E-02	1.0E-08
107	0.01	1.1E-08	2.6E+00	9.9E-04	1.0E-03	2.7E-06	1.6E-01	2.7E-02	1.1E-08
108	0.01	1.2E-08	2.7E+00	9.9E-04	1.0E-03	2.7E-06	1.6E-01	2.7E-02	1.2E-08
109	0.01	1.1E-08	2.5E+00	9.9E-04	1.0E-03	2.6E-06	1.6E-01	2.7E-02	1.1E-08
110	0.01	9.7E-09	2.2E+00	9.9E-04	1.0E-03	2.3E-06	1.6E-01	2.7E-02	9.7E-09
111	0.01	8.2E-09	1.9E+00	9.9E-04	1.0E-03	1.9E-06	1.6E-01	2.7E-02	8.2E-09
112	0.01	6.9E-09	1.6E+00	9.9E-04	1.0E-03	1.6E-06	1.6E-01	2.7E-02	6.9E-09
113	0.00	1.7E-09	3.8E-01	9.9E-04	1.0E-03	3.9E-07	1.6E-01	2.7E-02	1.7E-09
114	0.00	2.1E-09	4.7E-01	9.9E-04	1.0E-03	4.9E-07	1.6E-01	2.7E-02	2.1E-09
115	0.00	2.7E-09	6.0E-01	9.9E-04	1.0E-03	6.2E-07	1.6E-01	2.7E-02	2.7E-09
116	0.00	3.5E-09	7.8E-01	9.9E-04	1.0E-03	8.1E-07	1.6E-01	2.7E-02	3.5E-09
117	0.00	4.6E-09	1.0E+00	9.9E-04	1.0E-03	1.1E-06	1.6E-01	2.7E-02	4.6E-09
118	0.02	1.9E-08	4.2E+00	9.9E-04	1.0E-03	4.4E-06	1.6E-01	2.7E-02	1.9E-08
119	0.02	2.0E-08	4.5E+00	9.9E-04	1.0E-03	4.7E-06	1.6E-01	2.7E-02	2.0E-08
120	0.02	1.9E-08	4.2E+00	9.9E-04	1.0E-03	4.3E-06	1.6E-01	2.7E-02	1.9E-08
121	0.02	1.5E-08	3.5E+00	9.9E-04	1.0E-03	3.6E-06	1.6E-01	2.7E-02	1.5E-08
122	0.01	1.2E-08	2.8E+00	9.9E-04	1.0E-03	2.8E-06	1.6E-01	2.7E-02	1.2E-08
123	0.01	9.6E-09	2.2E+00	9.9E-04	1.0E-03	2.2E-06	1.6E-01	2.7E-02	9.6E-09
124	0.01	7.6E-09	1.7E+00	9.9E-04	1.0E-03	1.8E-06	1.6E-01	2.7E-02	7.6E-09
125	0.00	1.8E-09	4.1E-01	9.9E-04	1.0E-03	4.2E-07	1.6E-01	2.7E-02	1.8E-09
126	0.00	2.3E-09	5.2E-01	9.9E-04	1.0E-03	5.3E-07	1.6E-01	2.7E-02	2.3E-09
127	0.00	3.0E-09	6.8E-01	9.9E-04	1.0E-03	7.0E-07	1.6E-01	2.7E-02	3.0E-09
128	0.00	4.1E-09	9.2E-01	9.9E-04	1.0E-03	9.5E-07	1.6E-01	2.7E-02	4.1E-09
129	0.01	5.8E-09	1.3E+00	9.9E-04	1.0E-03	1.3E-06	1.6E-01	2.7E-02	5.8E-09
130	0.04	4.2E-08	9.4E+00	9.9E-04	1.0E-03	9.7E-06	1.6E-01	2.7E-02	4.2E-08
131	0.04	3.7E-08	8.3E+00	9.9E-04	1.0E-03	8.6E-06	1.6E-01	2.7E-02	3.7E-08
132	0.03	2.7E-08	6.1E+00	9.9E-04	1.0E-03	6.3E-06	1.6E-01	2.7E-02	2.7E-08
133	0.02	2.0E-08	4.4E+00	9.9E-04	1.0E-03	4.6E-06	1.6E-01	2.7E-02	2.0E-08
134	0.01	1.4E-08	3.1E+00	9.9E-04	1.0E-03	3.3E-06	1.6E-01	2.7E-02	1.4E-08
135	0.01	1.0E-08	2.3E+00	9.9E-04	1.0E-03	2.4E-06	1.6E-01	2.7E-02	1.0E-08
136	0.01	7.7E-09	1.7E+00	9.9E-04	1.0E-03	1.8E-06	1.6E-01	2.7E-02	7.7E-09
137	0.00	1.9E-09	4.3E-01	9.9E-04	1.0E-03	4.4E-07	1.6E-01	2.7E-02	1.9E-09
138	0.00	2.4E-09	5.5E-01	9.9E-04	1.0E-03	5.7E-07	1.6E-01	2.7E-02	2.4E-09
139	0.00	3.3E-09	7.3E-01	9.9E-04	1.0E-03	7.6E-07	1.6E-01	2.7E-02	3.3E-09
140	0.00	4.6E-09	1.0E+00	9.9E-04	1.0E-03	1.1E-06	1.6E-01	2.7E-02	4.6E-09
141	0.01	6.8E-09	1.5E+00	9.9E-04	1.0E-03	1.6E-06	1.6E-01	2.7E-02	6.8E-09

142	0.10	1.0E-07	2.3E+01	9.9E-04	1.0E-03	2.4E-05	1.6E-01	2.7E-02	1.0E-07
143	0.06	6.0E-08	1.3E+01	9.9E-04	1.0E-03	1.4E-05	1.6E-01	2.7E-02	6.0E-08
144	0.03	3.4E-08	7.7E+00	9.9E-04	1.0E-03	7.9E-06	1.6E-01	2.7E-02	3.4E-08
145	0.02	2.2E-08	4.8E+00	9.9E-04	1.0E-03	5.0E-06	1.6E-01	2.7E-02	2.2E-08
146	0.01	1.4E-08	3.2E+00	9.9E-04	1.0E-03	3.3E-06	1.6E-01	2.7E-02	1.4E-08
147	0.01	9.9E-09	2.2E+00	9.9E-04	1.0E-03	2.3E-06	1.6E-01	2.7E-02	9.9E-09
148	0.01	7.2E-09	1.6E+00	9.9E-04	1.0E-03	1.7E-06	1.6E-01	2.7E-02	7.2E-09
149	0.00	1.9E-09	4.4E-01	9.9E-04	1.0E-03	4.5E-07	1.6E-01	2.7E-02	1.9E-09
150	0.00	2.5E-09	5.6E-01	9.9E-04	1.0E-03	5.8E-07	1.6E-01	2.7E-02	2.5E-09
151	0.00	3.4E-09	7.6E-01	9.9E-04	1.0E-03	7.8E-07	1.6E-01	2.7E-02	3.4E-09
152	0.00	4.8E-09	1.1E+00	9.9E-04	1.0E-03	1.1E-06	1.6E-01	2.7E-02	4.8E-09
153	0.01	7.4E-09	1.7E+00	9.9E-04	1.0E-03	1.7E-06	1.6E-01	2.7E-02	7.4E-09
154	0.25	2.5E-07	5.6E+01	9.9E-04	1.0E-03	5.8E-05	1.6E-01	2.7E-02	2.5E-07
155	0.07	6.8E-08	1.5E+01	9.9E-04	1.0E-03	1.6E-05	1.6E-01	2.7E-02	6.8E-08
156	0.03	3.1E-08	7.0E+00	9.9E-04	1.0E-03	7.3E-06	1.6E-01	2.7E-02	3.1E-08
157	0.02	1.9E-08	4.3E+00	9.9E-04	1.0E-03	4.5E-06	1.6E-01	2.7E-02	1.9E-08
158	0.01	1.2E-08	2.8E+00	9.9E-04	1.0E-03	2.9E-06	1.6E-01	2.7E-02	1.2E-08
159	0.01	8.6E-09	1.9E+00	9.9E-04	1.0E-03	2.0E-06	1.6E-01	2.7E-02	8.6E-09
160	0.01	6.3E-09	1.4E+00	9.9E-04	1.0E-03	1.5E-06	1.6E-01	2.7E-02	6.3E-09
161	0.00	1.7E-09	3.9E-01	9.9E-04	1.0E-03	4.0E-07	1.6E-01	2.7E-02	1.7E-09
162	0.00	2.3E-09	5.1E-01	9.9E-04	1.0E-03	5.3E-07	1.6E-01	2.7E-02	2.3E-09
163	0.00	3.1E-09	6.9E-01	9.9E-04	1.0E-03	7.2E-07	1.6E-01	2.7E-02	3.1E-09
164	0.00	4.6E-09	1.0E+00	9.9E-04	1.0E-03	1.1E-06	1.6E-01	2.7E-02	4.6E-09
165	0.01	7.2E-09	1.6E+00	9.9E-04	1.0E-03	1.7E-06	1.6E-01	2.7E-02	7.2E-09
166	0.01	1.3E-08	2.8E+00	9.9E-04	1.0E-03	2.9E-06	1.6E-01	2.7E-02	1.3E-08
167	0.03	2.8E-08	6.3E+00	9.9E-04	1.0E-03	6.5E-06	1.6E-01	2.7E-02	2.8E-08
168	0.10	9.7E-08	2.2E+01	9.9E-04	1.0E-03	2.3E-05	1.6E-01	2.7E-02	9.7E-08
169	0.20	2.0E-07	4.5E+01	9.9E-04	1.0E-03	4.7E-05	1.6E-01	2.7E-02	2.0E-07
170	0.11	1.1E-07	2.5E+01	9.9E-04	1.0E-03	2.6E-05	1.6E-01	2.7E-02	1.1E-07
171	0.05	4.7E-08	1.1E+01	9.9E-04	1.0E-03	1.1E-05	1.6E-01	2.7E-02	4.7E-08
172	0.02	2.3E-08	5.1E+00	9.9E-04	1.0E-03	5.3E-06	1.6E-01	2.7E-02	2.3E-08
173	0.01	1.4E-08	3.2E+00	9.9E-04	1.0E-03	3.3E-06	1.6E-01	2.7E-02	1.4E-08
174	0.01	1.0E-08	2.3E+00	9.9E-04	1.0E-03	2.4E-06	1.6E-01	2.7E-02	1.0E-08
175	0.01	7.2E-09	1.6E+00	9.9E-04	1.0E-03	1.7E-06	1.6E-01	2.7E-02	7.2E-09
176	0.01	5.3E-09	1.2E+00	9.9E-04	1.0E-03	1.2E-06	1.6E-01	2.7E-02	5.3E-09
177	0.00	1.6E-09	3.7E-01	9.9E-04	1.0E-03	3.8E-07	1.6E-01	2.7E-02	1.6E-09
178	0.00	2.1E-09	4.7E-01	9.9E-04	1.0E-03	4.9E-07	1.6E-01	2.7E-02	2.1E-09
179	0.00	2.7E-09	6.1E-01	9.9E-04	1.0E-03	6.3E-07	1.6E-01	2.7E-02	2.7E-09
180	0.00	4.2E-09	9.5E-01	9.9E-04	1.0E-03	9.8E-07	1.6E-01	2.7E-02	4.2E-09
181	0.01	6.2E-09	1.4E+00	9.9E-04	1.0E-03	1.4E-06	1.6E-01	2.7E-02	6.2E-09
182	0.01	1.0E-08	2.2E+00	9.9E-04	1.0E-03	2.3E-06	1.6E-01	2.7E-02	1.0E-08
183	0.02	1.8E-08	4.1E+00	9.9E-04	1.0E-03	4.2E-06	1.6E-01	2.7E-02	1.8E-08
184	0.03	3.5E-08	7.8E+00	9.9E-04	1.0E-03	8.1E-06	1.6E-01	2.7E-02	3.5E-08
185	0.05	5.2E-08	1.2E+01	9.9E-04	1.0E-03	1.2E-05	1.6E-01	2.7E-02	5.2E-08
186	0.04	4.4E-08	1.0E+01	9.9E-04	1.0E-03	1.0E-05	1.6E-01	2.7E-02	4.4E-08
187	0.03	2.9E-08	6.4E+00	9.9E-04	1.0E-03	6.6E-06	1.6E-01	2.7E-02	2.9E-08
188	0.02	1.8E-08	4.0E+00	9.9E-04	1.0E-03	4.1E-06	1.6E-01	2.7E-02	1.8E-08
189	0.01	1.1E-08	2.4E+00	9.9E-04	1.0E-03	2.5E-06	1.6E-01	2.7E-02	1.1E-08
190	0.01	8.1E-09	1.8E+00	9.9E-04	1.0E-03	1.9E-06	1.6E-01	2.7E-02	8.1E-09

191	0.01	6.1E-09	1.4E+00	9.9E-04	1.0E-03	1.4E-06	1.6E-01	2.7E-02	6.1E-09
192	0.00	4.6E-09	1.0E+00	9.9E-04	1.0E-03	1.1E-06	1.6E-01	2.7E-02	4.6E-09
193	0.00	1.6E-09	3.7E-01	9.9E-04	1.0E-03	3.8E-07	1.6E-01	2.7E-02	1.6E-09
194	0.00	2.1E-09	4.7E-01	9.9E-04	1.0E-03	4.8E-07	1.6E-01	2.7E-02	2.1E-09
195	0.00	2.8E-09	6.2E-01	9.9E-04	1.0E-03	6.4E-07	1.6E-01	2.7E-02	2.8E-09
196	0.00	3.7E-09	8.3E-01	9.9E-04	1.0E-03	8.5E-07	1.6E-01	2.7E-02	3.7E-09
197	0.01	5.1E-09	1.1E+00	9.9E-04	1.0E-03	1.2E-06	1.6E-01	2.7E-02	5.1E-09
198	0.01	7.5E-09	1.7E+00	9.9E-04	1.0E-03	1.7E-06	1.6E-01	2.7E-02	7.5E-09
199	0.01	1.2E-08	2.7E+00	9.9E-04	1.0E-03	2.7E-06	1.6E-01	2.7E-02	1.2E-08
200	0.02	1.8E-08	4.0E+00	9.9E-04	1.0E-03	4.2E-06	1.6E-01	2.7E-02	1.8E-08
201	0.02	2.3E-08	5.2E+00	9.9E-04	1.0E-03	5.4E-06	1.6E-01	2.7E-02	2.3E-08
202	0.02	2.2E-08	5.0E+00	9.9E-04	1.0E-03	5.2E-06	1.6E-01	2.7E-02	2.2E-08
203	0.02	1.7E-08	3.7E+00	9.9E-04	1.0E-03	3.9E-06	1.6E-01	2.7E-02	1.7E-08
204	0.01	1.2E-08	2.8E+00	9.9E-04	1.0E-03	2.9E-06	1.6E-01	2.7E-02	1.2E-08
205	0.01	8.9E-09	2.0E+00	9.9E-04	1.0E-03	2.1E-06	1.6E-01	2.7E-02	8.9E-09
206	0.01	6.3E-09	1.4E+00	9.9E-04	1.0E-03	1.5E-06	1.6E-01	2.7E-02	6.3E-09
207	0.01	5.2E-09	1.2E+00	9.9E-04	1.0E-03	1.2E-06	1.6E-01	2.7E-02	5.2E-09
208	0.00	4.0E-09	9.1E-01	9.9E-04	1.0E-03	9.4E-07	1.6E-01	2.7E-02	4.0E-09
209	0.00	1.6E-09	3.6E-01	9.9E-04	1.0E-03	3.7E-07	1.6E-01	2.7E-02	1.6E-09
210	0.00	2.0E-09	4.4E-01	9.9E-04	1.0E-03	4.5E-07	1.6E-01	2.7E-02	2.0E-09
211	0.00	2.4E-09	5.5E-01	9.9E-04	1.0E-03	5.7E-07	1.6E-01	2.7E-02	2.4E-09
212	0.00	3.1E-09	7.0E-01	9.9E-04	1.0E-03	7.2E-07	1.6E-01	2.7E-02	3.1E-09
213	0.00	4.1E-09	9.3E-01	9.9E-04	1.0E-03	9.6E-07	1.6E-01	2.7E-02	4.1E-09
214	0.01	5.7E-09	1.3E+00	9.9E-04	1.0E-03	1.3E-06	1.6E-01	2.7E-02	5.7E-09
215	0.01	8.2E-09	1.8E+00	9.9E-04	1.0E-03	1.9E-06	1.6E-01	2.7E-02	8.2E-09
216	0.01	1.1E-08	2.4E+00	9.9E-04	1.0E-03	2.5E-06	1.6E-01	2.7E-02	1.1E-08
217	0.01	1.3E-08	2.9E+00	9.9E-04	1.0E-03	3.0E-06	1.6E-01	2.7E-02	1.3E-08
218	0.01	1.3E-08	3.0E+00	9.9E-04	1.0E-03	3.1E-06	1.6E-01	2.7E-02	1.3E-08
219	0.01	1.2E-08	2.7E+00	9.9E-04	1.0E-03	2.8E-06	1.6E-01	2.7E-02	1.2E-08
220	0.01	9.7E-09	2.2E+00	9.9E-04	1.0E-03	2.3E-06	1.6E-01	2.7E-02	9.7E-09
221	0.01	7.6E-09	1.7E+00	9.9E-04	1.0E-03	1.8E-06	1.6E-01	2.7E-02	7.6E-09
222	0.01	5.3E-09	1.2E+00	9.9E-04	1.0E-03	1.2E-06	1.6E-01	2.7E-02	5.3E-09
223	0.00	4.2E-09	9.4E-01	9.9E-04	1.0E-03	9.7E-07	1.6E-01	2.7E-02	4.2E-09
224	0.00	3.6E-09	8.1E-01	9.9E-04	1.0E-03	8.4E-07	1.6E-01	2.7E-02	3.6E-09
225	0.00	1.5E-09	3.3E-01	9.9E-04	1.0E-03	3.4E-07	1.6E-01	2.7E-02	1.5E-09
226	0.00	1.7E-09	3.9E-01	9.9E-04	1.0E-03	4.0E-07	1.6E-01	2.7E-02	1.7E-09
227	0.00	2.1E-09	4.8E-01	9.9E-04	1.0E-03	4.9E-07	1.6E-01	2.7E-02	2.1E-09
228	0.00	2.6E-09	5.9E-01	9.9E-04	1.0E-03	6.1E-07	1.6E-01	2.7E-02	2.6E-09
229	0.00	3.4E-09	7.6E-01	9.9E-04	1.0E-03	7.9E-07	1.6E-01	2.7E-02	3.4E-09
230	0.00	4.4E-09	1.0E+00	9.9E-04	1.0E-03	1.0E-06	1.6E-01	2.7E-02	4.4E-09
231	0.01	5.8E-09	1.3E+00	9.9E-04	1.0E-03	1.4E-06	1.6E-01	2.7E-02	5.8E-09
232	0.01	7.3E-09	1.6E+00	9.9E-04	1.0E-03	1.7E-06	1.6E-01	2.7E-02	7.3E-09
233	0.01	8.4E-09	1.9E+00	9.9E-04	1.0E-03	2.0E-06	1.6E-01	2.7E-02	8.4E-09
234	0.01	8.8E-09	2.0E+00	9.9E-04	1.0E-03	2.0E-06	1.6E-01	2.7E-02	8.8E-09
235	0.01	8.4E-09	1.9E+00	9.9E-04	1.0E-03	1.9E-06	1.6E-01	2.7E-02	8.4E-09
236	0.01	7.3E-09	1.6E+00	9.9E-04	1.0E-03	1.7E-06	1.6E-01	2.7E-02	7.3E-09
237	0.01	6.1E-09	1.4E+00	9.9E-04	1.0E-03	1.4E-06	1.6E-01	2.7E-02	6.1E-09
238	0.00	4.9E-09	1.1E+00	9.9E-04	1.0E-03	1.1E-06	1.6E-01	2.7E-02	4.9E-09
239	0.00	3.6E-09	8.2E-01	9.9E-04	1.0E-03	8.5E-07	1.6E-01	2.7E-02	3.6E-09

240	0.00	3.0E-09	6.7E-01	9.9E-04	1.0E-03	6.9E-07	1.6E-01	2.7E-02	3.0E-09
241	0.00	1.3E-09	2.9E-01	9.9E-04	1.0E-03	3.0E-07	1.6E-01	2.7E-02	1.3E-09
242	0.00	1.5E-09	3.5E-01	9.9E-04	1.0E-03	3.6E-07	1.6E-01	2.7E-02	1.5E-09
243	0.00	1.8E-09	4.1E-01	9.9E-04	1.0E-03	4.3E-07	1.6E-01	2.7E-02	1.8E-09
244	0.00	2.2E-09	5.0E-01	9.9E-04	1.0E-03	5.2E-07	1.6E-01	2.7E-02	2.2E-09
245	0.00	2.8E-09	6.2E-01	9.9E-04	1.0E-03	6.4E-07	1.6E-01	2.7E-02	2.8E-09
246	0.00	3.5E-09	7.8E-01	9.9E-04	1.0E-03	8.0E-07	1.6E-01	2.7E-02	3.5E-09
247	0.00	4.3E-09	9.8E-01	9.9E-04	1.0E-03	1.0E-06	1.6E-01	2.7E-02	4.3E-09
248	0.01	5.2E-09	1.2E+00	9.9E-04	1.0E-03	1.2E-06	1.6E-01	2.7E-02	5.2E-09
249	0.01	5.9E-09	1.3E+00	9.9E-04	1.0E-03	1.4E-06	1.6E-01	2.7E-02	5.9E-09
250	0.01	6.2E-09	1.4E+00	9.9E-04	1.0E-03	1.4E-06	1.6E-01	2.7E-02	6.2E-09
251	0.01	6.1E-09	1.4E+00	9.9E-04	1.0E-03	1.4E-06	1.6E-01	2.7E-02	6.1E-09
252	0.01	5.6E-09	1.3E+00	9.9E-04	1.0E-03	1.3E-06	1.6E-01	2.7E-02	5.6E-09
253	0.00	4.9E-09	1.1E+00	9.9E-04	1.0E-03	1.1E-06	1.6E-01	2.7E-02	4.9E-09
254	0.00	4.1E-09	9.3E-01	9.9E-04	1.0E-03	9.6E-07	1.6E-01	2.7E-02	4.1E-09
255	0.00	3.4E-09	7.7E-01	9.9E-04	1.0E-03	7.9E-07	1.6E-01	2.7E-02	3.4E-09
256	0.00	2.6E-09	6.0E-01	9.9E-04	1.0E-03	6.2E-07	1.6E-01	2.7E-02	2.6E-09
257	0.00	1.2E-09	2.6E-01	9.9E-04	1.0E-03	2.7E-07	1.6E-01	2.7E-02	1.2E-09
258	0.00	1.4E-09	3.1E-01	9.9E-04	1.0E-03	3.2E-07	1.6E-01	2.7E-02	1.4E-09
259	0.00	1.6E-09	3.6E-01	9.9E-04	1.0E-03	3.7E-07	1.6E-01	2.7E-02	1.6E-09
260	0.00	1.9E-09	4.3E-01	9.9E-04	1.0E-03	4.4E-07	1.6E-01	2.7E-02	1.9E-09
261	0.00	2.3E-09	5.2E-01	9.9E-04	1.0E-03	5.4E-07	1.6E-01	2.7E-02	2.3E-09
262	0.00	2.8E-09	6.3E-01	9.9E-04	1.0E-03	6.5E-07	1.6E-01	2.7E-02	2.8E-09
263	0.00	3.4E-09	7.6E-01	9.9E-04	1.0E-03	7.8E-07	1.6E-01	2.7E-02	3.4E-09
264	0.00	3.9E-09	8.9E-01	9.9E-04	1.0E-03	9.2E-07	1.6E-01	2.7E-02	3.9E-09
265	0.00	4.4E-09	9.8E-01	9.9E-04	1.0E-03	1.0E-06	1.6E-01	2.7E-02	4.4E-09
266	0.00	4.6E-09	1.0E+00	9.9E-04	1.0E-03	1.1E-06	1.6E-01	2.7E-02	4.6E-09
267	0.00	4.6E-09	1.0E+00	9.9E-04	1.0E-03	1.1E-06	1.6E-01	2.7E-02	4.6E-09
268	0.00	4.3E-09	9.7E-01	9.9E-04	1.0E-03	1.0E-06	1.6E-01	2.7E-02	4.3E-09
269	0.00	3.9E-09	8.8E-01	9.9E-04	1.0E-03	9.1E-07	1.6E-01	2.7E-02	3.9E-09
270	0.00	3.5E-09	7.8E-01	9.9E-04	1.0E-03	8.1E-07	1.6E-01	2.7E-02	3.5E-09
271	0.00	3.0E-09	6.7E-01	9.9E-04	1.0E-03	6.9E-07	1.6E-01	2.7E-02	3.0E-09
272	0.00	2.4E-09	5.4E-01	9.9E-04	1.0E-03	5.5E-07	1.6E-01	2.7E-02	2.4E-09
273	0.00	4.6E-09	1.0E+00	9.9E-04	1.0E-03	1.1E-06	1.6E-01	2.7E-02	4.6E-09
274	0.00	4.8E-09	1.1E+00	9.9E-04	1.0E-03	1.1E-06	1.6E-01	2.7E-02	4.8E-09
275	0.00	5.0E-09	1.1E+00	9.9E-04	1.0E-03	1.2E-06	1.6E-01	2.7E-02	5.0E-09
276	0.01	5.2E-09	1.2E+00	9.9E-04	1.0E-03	1.2E-06	1.6E-01	2.7E-02	5.2E-09
277	0.01	5.5E-09	1.2E+00	9.9E-04	1.0E-03	1.3E-06	1.6E-01	2.7E-02	5.5E-09
278	0.01	5.7E-09	1.3E+00	9.9E-04	1.0E-03	1.3E-06	1.6E-01	2.7E-02	5.7E-09
279	0.01	5.9E-09	1.3E+00	9.9E-04	1.0E-03	1.4E-06	1.6E-01	2.7E-02	5.9E-09
280	0.01	6.2E-09	1.4E+00	9.9E-04	1.0E-03	1.4E-06	1.6E-01	2.7E-02	6.2E-09
281	0.01	6.4E-09	1.4E+00	9.9E-04	1.0E-03	1.5E-06	1.6E-01	2.7E-02	6.4E-09
282	0.01	6.7E-09	1.5E+00	9.9E-04	1.0E-03	1.5E-06	1.6E-01	2.7E-02	6.7E-09
283	0.01	7.0E-09	1.6E+00	9.9E-04	1.0E-03	1.6E-06	1.6E-01	2.7E-02	7.0E-09
284	0.01	7.2E-09	1.6E+00	9.9E-04	1.0E-03	1.7E-06	1.6E-01	2.7E-02	7.2E-09
285	0.01	7.5E-09	1.7E+00	9.9E-04	1.0E-03	1.7E-06	1.6E-01	2.7E-02	7.5E-09
286	0.01	7.7E-09	1.7E+00	9.9E-04	1.0E-03	1.8E-06	1.6E-01	2.7E-02	7.7E-09
287	0.01	8.1E-09	1.8E+00	9.9E-04	1.0E-03	1.9E-06	1.6E-01	2.7E-02	8.1E-09
288	0.01	8.3E-09	1.9E+00	9.9E-04	1.0E-03	1.9E-06	1.6E-01	2.7E-02	8.3E-09

289	0.01	8.7E-09	2.0E+00	9.9E-04	1.0E-03	2.0E-06	1.6E-01	2.7E-02	8.7E-09
290	0.01	9.2E-09	2.1E+00	9.9E-04	1.0E-03	2.1E-06	1.6E-01	2.7E-02	9.2E-09
291	0.01	9.6E-09	2.2E+00	9.9E-04	1.0E-03	2.2E-06	1.6E-01	2.7E-02	9.6E-09
292	0.01	9.9E-09	2.2E+00	9.9E-04	1.0E-03	2.3E-06	1.6E-01	2.7E-02	9.9E-09
293	0.01	1.0E-08	2.3E+00	9.9E-04	1.0E-03	2.4E-06	1.6E-01	2.7E-02	1.0E-08
294	0.01	1.0E-08	2.4E+00	9.9E-04	1.0E-03	2.4E-06	1.6E-01	2.7E-02	1.0E-08
295	0.01	1.1E-08	2.4E+00	9.9E-04	1.0E-03	2.5E-06	1.6E-01	2.7E-02	1.1E-08
296	0.01	1.1E-08	2.5E+00	9.9E-04	1.0E-03	2.6E-06	1.6E-01	2.7E-02	1.1E-08
297	0.01	1.1E-08	2.5E+00	9.9E-04	1.0E-03	2.6E-06	1.6E-01	2.7E-02	1.1E-08
298	0.01	1.1E-08	2.6E+00	9.9E-04	1.0E-03	2.7E-06	1.6E-01	2.7E-02	1.1E-08
299	0.00	4.9E-09	1.1E+00	9.9E-04	1.0E-03	1.1E-06	1.6E-01	2.7E-02	4.9E-09
300	0.01	5.1E-09	1.1E+00	9.9E-04	1.0E-03	1.2E-06	1.6E-01	2.7E-02	5.1E-09
301	0.01	5.3E-09	1.2E+00	9.9E-04	1.0E-03	1.2E-06	1.6E-01	2.7E-02	5.3E-09
302	0.01	5.6E-09	1.3E+00	9.9E-04	1.0E-03	1.3E-06	1.6E-01	2.7E-02	5.6E-09
303	0.01	5.9E-09	1.3E+00	9.9E-04	1.0E-03	1.4E-06	1.6E-01	2.7E-02	5.9E-09
304	0.01	6.2E-09	1.4E+00	9.9E-04	1.0E-03	1.4E-06	1.6E-01	2.7E-02	6.2E-09
305	0.01	6.4E-09	1.4E+00	9.9E-04	1.0E-03	1.5E-06	1.6E-01	2.7E-02	6.4E-09
306	0.01	6.7E-09	1.5E+00	9.9E-04	1.0E-03	1.6E-06	1.6E-01	2.7E-02	6.7E-09
307	0.01	7.0E-09	1.6E+00	9.9E-04	1.0E-03	1.6E-06	1.6E-01	2.7E-02	7.0E-09
308	0.01	7.3E-09	1.6E+00	9.9E-04	1.0E-03	1.7E-06	1.6E-01	2.7E-02	7.3E-09
309	0.01	7.6E-09	1.7E+00	9.9E-04	1.0E-03	1.8E-06	1.6E-01	2.7E-02	7.6E-09
310	0.01	7.9E-09	1.8E+00	9.9E-04	1.0E-03	1.8E-06	1.6E-01	2.7E-02	7.9E-09
311	0.01	8.2E-09	1.8E+00	9.9E-04	1.0E-03	1.9E-06	1.6E-01	2.7E-02	8.2E-09
312	0.01	8.5E-09	1.9E+00	9.9E-04	1.0E-03	2.0E-06	1.6E-01	2.7E-02	8.5E-09
313	0.01	8.9E-09	2.0E+00	9.9E-04	1.0E-03	2.1E-06	1.6E-01	2.7E-02	8.9E-09
314	0.01	9.3E-09	2.1E+00	9.9E-04	1.0E-03	2.2E-06	1.6E-01	2.7E-02	9.3E-09
315	0.01	9.7E-09	2.2E+00	9.9E-04	1.0E-03	2.2E-06	1.6E-01	2.7E-02	9.7E-09
316	0.01	1.0E-08	2.3E+00	9.9E-04	1.0E-03	2.4E-06	1.6E-01	2.7E-02	1.0E-08
317	0.01	1.1E-08	2.4E+00	9.9E-04	1.0E-03	2.5E-06	1.6E-01	2.7E-02	1.1E-08
318	0.01	1.1E-08	2.5E+00	9.9E-04	1.0E-03	2.6E-06	1.6E-01	2.7E-02	1.1E-08
319	0.01	1.1E-08	2.6E+00	9.9E-04	1.0E-03	2.6E-06	1.6E-01	2.7E-02	1.1E-08
320	0.01	1.2E-08	2.6E+00	9.9E-04	1.0E-03	2.7E-06	1.6E-01	2.7E-02	1.2E-08
321	0.01	1.2E-08	2.7E+00	9.9E-04	1.0E-03	2.8E-06	1.6E-01	2.7E-02	1.2E-08
322	0.01	1.2E-08	2.8E+00	9.9E-04	1.0E-03	2.9E-06	1.6E-01	2.7E-02	1.2E-08
323	0.01	1.3E-08	2.8E+00	9.9E-04	1.0E-03	2.9E-06	1.6E-01	2.7E-02	1.3E-08
324	0.01	1.3E-08	2.9E+00	9.9E-04	1.0E-03	3.0E-06	1.6E-01	2.7E-02	1.3E-08
325	0.01	5.2E-09	1.2E+00	9.9E-04	1.0E-03	1.2E-06	1.6E-01	2.7E-02	5.2E-09
326	0.01	5.5E-09	1.2E+00	9.9E-04	1.0E-03	1.3E-06	1.6E-01	2.7E-02	5.5E-09
327	0.01	5.7E-09	1.3E+00	9.9E-04	1.0E-03	1.3E-06	1.6E-01	2.7E-02	5.7E-09
328	0.01	6.0E-09	1.4E+00	9.9E-04	1.0E-03	1.4E-06	1.6E-01	2.7E-02	6.0E-09
329	0.01	6.3E-09	1.4E+00	9.9E-04	1.0E-03	1.5E-06	1.6E-01	2.7E-02	6.3E-09
330	0.01	6.7E-09	1.5E+00	9.9E-04	1.0E-03	1.5E-06	1.6E-01	2.7E-02	6.7E-09
331	0.01	7.0E-09	1.6E+00	9.9E-04	1.0E-03	1.6E-06	1.6E-01	2.7E-02	7.0E-09
332	0.01	7.3E-09	1.6E+00	9.9E-04	1.0E-03	1.7E-06	1.6E-01	2.7E-02	7.3E-09
333	0.01	7.6E-09	1.7E+00	9.9E-04	1.0E-03	1.8E-06	1.6E-01	2.7E-02	7.6E-09
334	0.01	8.0E-09	1.8E+00	9.9E-04	1.0E-03	1.9E-06	1.6E-01	2.7E-02	8.0E-09
335	0.01	8.4E-09	1.9E+00	9.9E-04	1.0E-03	1.9E-06	1.6E-01	2.7E-02	8.4E-09
336	0.01	8.7E-09	2.0E+00	9.9E-04	1.0E-03	2.0E-06	1.6E-01	2.7E-02	8.7E-09
337	0.01	9.0E-09	2.0E+00	9.9E-04	1.0E-03	2.1E-06	1.6E-01	2.7E-02	9.0E-09

338	0.01	9.4E-09	2.1E+00	9.9E-04	1.0E-03	2.2E-06	1.6E-01	2.7E-02	9.4E-09
339	0.01	9.9E-09	2.2E+00	9.9E-04	1.0E-03	2.3E-06	1.6E-01	2.7E-02	9.9E-09
340	0.01	1.0E-08	2.3E+00	9.9E-04	1.0E-03	2.4E-06	1.6E-01	2.7E-02	1.0E-08
341	0.01	1.1E-08	2.4E+00	9.9E-04	1.0E-03	2.5E-06	1.6E-01	2.7E-02	1.1E-08
342	0.01	1.1E-08	2.6E+00	9.9E-04	1.0E-03	2.7E-06	1.6E-01	2.7E-02	1.1E-08
343	0.01	1.2E-08	2.7E+00	9.9E-04	1.0E-03	2.8E-06	1.6E-01	2.7E-02	1.2E-08
344	0.01	1.2E-08	2.8E+00	9.9E-04	1.0E-03	2.9E-06	1.6E-01	2.7E-02	1.2E-08
345	0.01	1.3E-08	2.9E+00	9.9E-04	1.0E-03	3.0E-06	1.6E-01	2.7E-02	1.3E-08
346	0.01	1.3E-08	3.0E+00	9.9E-04	1.0E-03	3.1E-06	1.6E-01	2.7E-02	1.3E-08
347	0.01	1.3E-08	3.0E+00	9.9E-04	1.0E-03	3.1E-06	1.6E-01	2.7E-02	1.3E-08
348	0.01	1.4E-08	3.1E+00	9.9E-04	1.0E-03	3.2E-06	1.6E-01	2.7E-02	1.4E-08
349	0.01	1.4E-08	3.2E+00	9.9E-04	1.0E-03	3.3E-06	1.6E-01	2.7E-02	1.4E-08
350	0.01	1.4E-08	3.2E+00	9.9E-04	1.0E-03	3.3E-06	1.6E-01	2.7E-02	1.4E-08
351	0.01	5.5E-09	1.2E+00	9.9E-04	1.0E-03	1.3E-06	1.6E-01	2.7E-02	5.5E-09
352	0.01	5.8E-09	1.3E+00	9.9E-04	1.0E-03	1.4E-06	1.6E-01	2.7E-02	5.8E-09
353	0.01	6.2E-09	1.4E+00	9.9E-04	1.0E-03	1.4E-06	1.6E-01	2.7E-02	6.2E-09
354	0.01	6.5E-09	1.5E+00	9.9E-04	1.0E-03	1.5E-06	1.6E-01	2.7E-02	6.5E-09
355	0.01	6.9E-09	1.5E+00	9.9E-04	1.0E-03	1.6E-06	1.6E-01	2.7E-02	6.9E-09
356	0.01	7.2E-09	1.6E+00	9.9E-04	1.0E-03	1.7E-06	1.6E-01	2.7E-02	7.2E-09
357	0.01	7.6E-09	1.7E+00	9.9E-04	1.0E-03	1.8E-06	1.6E-01	2.7E-02	7.6E-09
358	0.01	8.0E-09	1.8E+00	9.9E-04	1.0E-03	1.9E-06	1.6E-01	2.7E-02	8.0E-09
359	0.01	8.4E-09	1.9E+00	9.9E-04	1.0E-03	1.9E-06	1.6E-01	2.7E-02	8.4E-09
360	0.01	8.8E-09	2.0E+00	9.9E-04	1.0E-03	2.0E-06	1.6E-01	2.7E-02	8.8E-09
361	0.01	9.2E-09	2.1E+00	9.9E-04	1.0E-03	2.1E-06	1.6E-01	2.7E-02	9.2E-09
362	0.01	9.6E-09	2.2E+00	9.9E-04	1.0E-03	2.2E-06	1.6E-01	2.7E-02	9.6E-09
363	0.01	1.0E-08	2.3E+00	9.9E-04	1.0E-03	2.3E-06	1.6E-01	2.7E-02	1.0E-08
364	0.01	1.1E-08	2.4E+00	9.9E-04	1.0E-03	2.4E-06	1.6E-01	2.7E-02	1.1E-08
365	0.01	1.1E-08	2.5E+00	9.9E-04	1.0E-03	2.6E-06	1.6E-01	2.7E-02	1.1E-08
366	0.01	1.2E-08	2.6E+00	9.9E-04	1.0E-03	2.7E-06	1.6E-01	2.7E-02	1.2E-08
367	0.01	1.2E-08	2.7E+00	9.9E-04	1.0E-03	2.8E-06	1.6E-01	2.7E-02	1.2E-08
368	0.01	1.3E-08	2.9E+00	9.9E-04	1.0E-03	3.0E-06	1.6E-01	2.7E-02	1.3E-08
369	0.01	1.4E-08	3.0E+00	9.9E-04	1.0E-03	3.1E-06	1.6E-01	2.7E-02	1.4E-08
370	0.01	1.4E-08	3.1E+00	9.9E-04	1.0E-03	3.2E-06	1.6E-01	2.7E-02	1.4E-08
371	0.01	1.4E-08	3.2E+00	9.9E-04	1.0E-03	3.4E-06	1.6E-01	2.7E-02	1.4E-08
372	0.01	1.5E-08	3.3E+00	9.9E-04	1.0E-03	3.5E-06	1.6E-01	2.7E-02	1.5E-08
373	0.02	1.5E-08	3.4E+00	9.9E-04	1.0E-03	3.5E-06	1.6E-01	2.7E-02	1.5E-08
374	0.02	1.6E-08	3.5E+00	9.9E-04	1.0E-03	3.6E-06	1.6E-01	2.7E-02	1.6E-08
375	0.02	1.6E-08	3.6E+00	9.9E-04	1.0E-03	3.7E-06	1.6E-01	2.7E-02	1.6E-08
376	0.02	1.6E-08	3.6E+00	9.9E-04	1.0E-03	3.7E-06	1.6E-01	2.7E-02	1.6E-08
377	0.01	5.9E-09	1.3E+00	9.9E-04	1.0E-03	1.4E-06	1.6E-01	2.7E-02	5.9E-09
378	0.01	6.3E-09	1.4E+00	9.9E-04	1.0E-03	1.5E-06	1.6E-01	2.7E-02	6.3E-09
379	0.01	6.6E-09	1.5E+00	9.9E-04	1.0E-03	1.5E-06	1.6E-01	2.7E-02	6.6E-09
380	0.01	7.0E-09	1.6E+00	9.9E-04	1.0E-03	1.6E-06	1.6E-01	2.7E-02	7.0E-09
381	0.01	7.4E-09	1.7E+00	9.9E-04	1.0E-03	1.7E-06	1.6E-01	2.7E-02	7.4E-09
382	0.01	1.4E-08	3.1E+00	9.9E-04	1.0E-03	3.2E-06	1.6E-01	2.7E-02	1.4E-08
383	0.01	1.5E-08	3.3E+00	9.9E-04	1.0E-03	3.4E-06	1.6E-01	2.7E-02	1.5E-08
384	0.02	1.5E-08	3.5E+00	9.9E-04	1.0E-03	3.6E-06	1.6E-01	2.7E-02	1.5E-08
385	0.02	1.6E-08	3.6E+00	9.9E-04	1.0E-03	3.7E-06	1.6E-01	2.7E-02	1.6E-08
386	0.02	1.6E-08	3.7E+00	9.9E-04	1.0E-03	3.8E-06	1.6E-01	2.7E-02	1.6E-08

387	0.02	1.7E-08	3.8E+00	9.9E-04	1.0E-03	3.9E-06	1.6E-01	2.7E-02	1.7E-08
388	0.02	1.7E-08	3.9E+00	9.9E-04	1.0E-03	4.0E-06	1.6E-01	2.7E-02	1.7E-08
389	0.02	1.8E-08	4.0E+00	9.9E-04	1.0E-03	4.1E-06	1.6E-01	2.7E-02	1.8E-08
390	0.02	1.8E-08	4.0E+00	9.9E-04	1.0E-03	4.1E-06	1.6E-01	2.7E-02	1.8E-08
391	0.02	1.8E-08	4.0E+00	9.9E-04	1.0E-03	4.2E-06	1.6E-01	2.7E-02	1.8E-08
392	0.01	6.3E-09	1.4E+00	9.9E-04	1.0E-03	1.5E-06	1.6E-01	2.7E-02	6.3E-09
393	0.01	6.7E-09	1.5E+00	9.9E-04	1.0E-03	1.6E-06	1.6E-01	2.7E-02	6.7E-09
394	0.01	7.1E-09	1.6E+00	9.9E-04	1.0E-03	1.7E-06	1.6E-01	2.7E-02	7.1E-09
395	0.01	7.6E-09	1.7E+00	9.9E-04	1.0E-03	1.8E-06	1.6E-01	2.7E-02	7.6E-09
396	0.01	8.1E-09	1.8E+00	9.9E-04	1.0E-03	1.9E-06	1.6E-01	2.7E-02	8.1E-09
397	0.02	1.6E-08	3.6E+00	9.9E-04	1.0E-03	3.7E-06	1.6E-01	2.7E-02	1.6E-08
398	0.02	1.7E-08	3.8E+00	9.9E-04	1.0E-03	3.9E-06	1.6E-01	2.7E-02	1.7E-08
399	0.02	1.8E-08	4.0E+00	9.9E-04	1.0E-03	4.1E-06	1.6E-01	2.7E-02	1.8E-08
400	0.02	1.8E-08	4.1E+00	9.9E-04	1.0E-03	4.2E-06	1.6E-01	2.7E-02	1.8E-08
401	0.02	1.9E-08	4.2E+00	9.9E-04	1.0E-03	4.4E-06	1.6E-01	2.7E-02	1.9E-08
402	0.02	1.9E-08	4.3E+00	9.9E-04	1.0E-03	4.5E-06	1.6E-01	2.7E-02	1.9E-08
403	0.02	2.0E-08	4.4E+00	9.9E-04	1.0E-03	4.6E-06	1.6E-01	2.7E-02	2.0E-08
404	0.02	2.0E-08	4.5E+00	9.9E-04	1.0E-03	4.6E-06	1.6E-01	2.7E-02	2.0E-08
405	0.02	2.0E-08	4.5E+00	9.9E-04	1.0E-03	4.7E-06	1.6E-01	2.7E-02	2.0E-08
406	0.02	2.0E-08	4.5E+00	9.9E-04	1.0E-03	4.7E-06	1.6E-01	2.7E-02	2.0E-08
407	0.01	6.7E-09	1.5E+00	9.9E-04	1.0E-03	1.6E-06	1.6E-01	2.7E-02	6.7E-09
408	0.01	7.1E-09	1.6E+00	9.9E-04	1.0E-03	1.7E-06	1.6E-01	2.7E-02	7.1E-09
409	0.01	7.6E-09	1.7E+00	9.9E-04	1.0E-03	1.8E-06	1.6E-01	2.7E-02	7.6E-09
410	0.01	8.1E-09	1.8E+00	9.9E-04	1.0E-03	1.9E-06	1.6E-01	2.7E-02	8.1E-09
411	0.01	8.7E-09	2.0E+00	9.9E-04	1.0E-03	2.0E-06	1.6E-01	2.7E-02	8.7E-09
412	0.02	1.8E-08	4.1E+00	9.9E-04	1.0E-03	4.2E-06	1.6E-01	2.7E-02	1.8E-08
413	0.02	1.9E-08	4.3E+00	9.9E-04	1.0E-03	4.5E-06	1.6E-01	2.7E-02	1.9E-08
414	0.02	2.0E-08	4.6E+00	9.9E-04	1.0E-03	4.7E-06	1.6E-01	2.7E-02	2.0E-08
415	0.02	2.1E-08	4.7E+00	9.9E-04	1.0E-03	4.9E-06	1.6E-01	2.7E-02	2.1E-08
416	0.02	2.2E-08	4.9E+00	9.9E-04	1.0E-03	5.0E-06	1.6E-01	2.7E-02	2.2E-08
417	0.02	2.2E-08	5.0E+00	9.9E-04	1.0E-03	5.2E-06	1.6E-01	2.7E-02	2.2E-08
418	0.02	2.3E-08	5.1E+00	9.9E-04	1.0E-03	5.2E-06	1.6E-01	2.7E-02	2.3E-08
419	0.02	2.3E-08	5.1E+00	9.9E-04	1.0E-03	5.3E-06	1.6E-01	2.7E-02	2.3E-08
420	0.02	2.3E-08	5.1E+00	9.9E-04	1.0E-03	5.3E-06	1.6E-01	2.7E-02	2.3E-08
421	0.02	2.3E-08	5.1E+00	9.9E-04	1.0E-03	5.3E-06	1.6E-01	2.7E-02	2.3E-08
422	0.01	7.2E-09	1.6E+00	9.9E-04	1.0E-03	1.7E-06	1.6E-01	2.7E-02	7.2E-09
423	0.01	7.7E-09	1.7E+00	9.9E-04	1.0E-03	1.8E-06	1.6E-01	2.7E-02	7.7E-09
424	0.01	8.2E-09	1.8E+00	9.9E-04	1.0E-03	1.9E-06	1.6E-01	2.7E-02	8.2E-09
425	0.01	8.8E-09	2.0E+00	9.9E-04	1.0E-03	2.0E-06	1.6E-01	2.7E-02	8.8E-09
426	0.01	9.5E-09	2.1E+00	9.9E-04	1.0E-03	2.2E-06	1.6E-01	2.7E-02	9.5E-09
427	0.02	2.1E-08	4.8E+00	9.9E-04	1.0E-03	5.0E-06	1.6E-01	2.7E-02	2.1E-08
428	0.02	2.2E-08	5.1E+00	9.9E-04	1.0E-03	5.2E-06	1.6E-01	2.7E-02	2.2E-08
429	0.02	2.4E-08	5.3E+00	9.9E-04	1.0E-03	5.5E-06	1.6E-01	2.7E-02	2.4E-08
430	0.02	2.5E-08	5.5E+00	9.9E-04	1.0E-03	5.7E-06	1.6E-01	2.7E-02	2.5E-08
431	0.03	2.5E-08	5.7E+00	9.9E-04	1.0E-03	5.9E-06	1.6E-01	2.7E-02	2.5E-08
432	0.03	2.6E-08	5.8E+00	9.9E-04	1.0E-03	6.0E-06	1.6E-01	2.7E-02	2.6E-08
433	0.03	2.6E-08	5.9E+00	9.9E-04	1.0E-03	6.1E-06	1.6E-01	2.7E-02	2.6E-08
434	0.03	2.6E-08	5.9E+00	9.9E-04	1.0E-03	6.1E-06	1.6E-01	2.7E-02	2.6E-08
435	0.03	2.6E-08	5.8E+00	9.9E-04	1.0E-03	6.0E-06	1.6E-01	2.7E-02	2.6E-08

436	0.03	2.6E-08	5.8E+00	9.9E-04	1.0E-03	6.0E-06	1.6E-01	2.7E-02	2.6E-08
437	0.01	7.6E-09	1.7E+00	9.9E-04	1.0E-03	1.8E-06	1.6E-01	2.7E-02	7.6E-09
438	0.01	8.2E-09	1.8E+00	9.9E-04	1.0E-03	1.9E-06	1.6E-01	2.7E-02	8.2E-09
439	0.01	8.9E-09	2.0E+00	9.9E-04	1.0E-03	2.1E-06	1.6E-01	2.7E-02	8.9E-09
440	0.01	9.5E-09	2.1E+00	9.9E-04	1.0E-03	2.2E-06	1.6E-01	2.7E-02	9.5E-09
441	0.01	1.0E-08	2.3E+00	9.9E-04	1.0E-03	2.4E-06	1.6E-01	2.7E-02	1.0E-08
442	0.03	2.5E-08	5.7E+00	9.9E-04	1.0E-03	5.9E-06	1.6E-01	2.7E-02	2.5E-08
443	0.03	2.7E-08	6.0E+00	9.9E-04	1.0E-03	6.2E-06	1.6E-01	2.7E-02	2.7E-08
444	0.03	2.8E-08	6.3E+00	9.9E-04	1.0E-03	6.5E-06	1.6E-01	2.7E-02	2.8E-08
445	0.03	2.9E-08	6.5E+00	9.9E-04	1.0E-03	6.7E-06	1.6E-01	2.7E-02	2.9E-08
446	0.03	3.0E-08	6.7E+00	9.9E-04	1.0E-03	6.9E-06	1.6E-01	2.7E-02	3.0E-08
447	0.03	3.0E-08	6.8E+00	9.9E-04	1.0E-03	7.0E-06	1.6E-01	2.7E-02	3.0E-08
448	0.03	3.0E-08	6.8E+00	9.9E-04	1.0E-03	7.0E-06	1.6E-01	2.7E-02	3.0E-08
449	0.03	3.0E-08	6.8E+00	9.9E-04	1.0E-03	7.0E-06	1.6E-01	2.7E-02	3.0E-08
450	0.03	3.0E-08	6.7E+00	9.9E-04	1.0E-03	6.9E-06	1.6E-01	2.7E-02	3.0E-08
451	0.03	2.9E-08	6.5E+00	9.9E-04	1.0E-03	6.7E-06	1.6E-01	2.7E-02	2.9E-08
452	0.01	8.1E-09	1.8E+00	9.9E-04	1.0E-03	1.9E-06	1.6E-01	2.7E-02	8.1E-09
453	0.01	8.8E-09	2.0E+00	9.9E-04	1.0E-03	2.0E-06	1.6E-01	2.7E-02	8.8E-09
454	0.01	9.6E-09	2.2E+00	9.9E-04	1.0E-03	2.2E-06	1.6E-01	2.7E-02	9.6E-09
455	0.01	1.0E-08	2.3E+00	9.9E-04	1.0E-03	2.4E-06	1.6E-01	2.7E-02	1.0E-08
456	0.01	1.1E-08	2.5E+00	9.9E-04	1.0E-03	2.6E-06	1.6E-01	2.7E-02	1.1E-08
457	0.03	3.0E-08	6.8E+00	9.9E-04	1.0E-03	7.0E-06	1.6E-01	2.7E-02	3.0E-08
458	0.03	3.2E-08	7.2E+00	9.9E-04	1.0E-03	7.4E-06	1.6E-01	2.7E-02	3.2E-08
459	0.03	3.3E-08	7.5E+00	9.9E-04	1.0E-03	7.7E-06	1.6E-01	2.7E-02	3.3E-08
460	0.03	3.4E-08	7.7E+00	9.9E-04	1.0E-03	8.0E-06	1.6E-01	2.7E-02	3.4E-08
461	0.03	3.5E-08	7.9E+00	9.9E-04	1.0E-03	8.1E-06	1.6E-01	2.7E-02	3.5E-08
462	0.04	3.5E-08	7.9E+00	9.9E-04	1.0E-03	8.2E-06	1.6E-01	2.7E-02	3.5E-08
463	0.04	3.5E-08	7.9E+00	9.9E-04	1.0E-03	8.2E-06	1.6E-01	2.7E-02	3.5E-08
464	0.03	3.5E-08	7.8E+00	9.9E-04	1.0E-03	8.1E-06	1.6E-01	2.7E-02	3.5E-08
465	0.03	3.4E-08	7.6E+00	9.9E-04	1.0E-03	7.9E-06	1.6E-01	2.7E-02	3.4E-08
466	0.03	3.3E-08	7.4E+00	9.9E-04	1.0E-03	7.6E-06	1.6E-01	2.7E-02	3.3E-08
467	0.01	8.7E-09	1.9E+00	9.9E-04	1.0E-03	2.0E-06	1.6E-01	2.7E-02	8.7E-09
468	0.01	9.4E-09	2.1E+00	9.9E-04	1.0E-03	2.2E-06	1.6E-01	2.7E-02	9.4E-09
469	0.01	1.0E-08	2.3E+00	9.9E-04	1.0E-03	2.4E-06	1.6E-01	2.7E-02	1.0E-08
470	0.01	1.1E-08	2.5E+00	9.9E-04	1.0E-03	2.6E-06	1.6E-01	2.7E-02	1.1E-08
471	0.01	1.2E-08	2.8E+00	9.9E-04	1.0E-03	2.9E-06	1.6E-01	2.7E-02	1.2E-08
472	0.04	3.7E-08	8.2E+00	9.9E-04	1.0E-03	8.5E-06	1.6E-01	2.7E-02	3.7E-08
473	0.04	3.8E-08	8.6E+00	9.9E-04	1.0E-03	8.9E-06	1.6E-01	2.7E-02	3.8E-08
474	0.04	4.0E-08	9.0E+00	9.9E-04	1.0E-03	9.3E-06	1.6E-01	2.7E-02	4.0E-08
475	0.04	4.1E-08	9.2E+00	9.9E-04	1.0E-03	9.5E-06	1.6E-01	2.7E-02	4.1E-08
476	0.04	4.2E-08	9.4E+00	9.9E-04	1.0E-03	9.7E-06	1.6E-01	2.7E-02	4.2E-08
477	0.04	4.2E-08	9.4E+00	9.9E-04	1.0E-03	9.7E-06	1.6E-01	2.7E-02	4.2E-08
478	0.04	4.1E-08	9.3E+00	9.9E-04	1.0E-03	9.6E-06	1.6E-01	2.7E-02	4.1E-08
479	0.04	4.0E-08	9.0E+00	9.9E-04	1.0E-03	9.3E-06	1.6E-01	2.7E-02	4.0E-08
480	0.04	3.9E-08	8.7E+00	9.9E-04	1.0E-03	9.0E-06	1.6E-01	2.7E-02	3.9E-08
481	0.04	3.7E-08	8.3E+00	9.9E-04	1.0E-03	8.6E-06	1.6E-01	2.7E-02	3.7E-08
482	0.01	9.2E-09	2.1E+00	9.9E-04	1.0E-03	2.1E-06	1.6E-01	2.7E-02	9.2E-09
483	0.01	1.0E-08	2.3E+00	9.9E-04	1.0E-03	2.3E-06	1.6E-01	2.7E-02	1.0E-08
484	0.01	1.1E-08	2.5E+00	9.9E-04	1.0E-03	2.6E-06	1.6E-01	2.7E-02	1.1E-08

485	0.01	1.2E-08	2.8E+00	9.9E-04	1.0E-03	2.8E-06	1.6E-01	2.7E-02	1.2E-08
486	0.01	1.4E-08	3.1E+00	9.9E-04	1.0E-03	3.2E-06	1.6E-01	2.7E-02	1.4E-08
487	0.04	4.5E-08	1.0E+01	9.9E-04	1.0E-03	1.0E-05	1.6E-01	2.7E-02	4.5E-08
488	0.05	4.7E-08	1.1E+01	9.9E-04	1.0E-03	1.1E-05	1.6E-01	2.7E-02	4.7E-08
489	0.05	4.9E-08	1.1E+01	9.9E-04	1.0E-03	1.1E-05	1.6E-01	2.7E-02	4.9E-08
490	0.05	5.0E-08	1.1E+01	9.9E-04	1.0E-03	1.2E-05	1.6E-01	2.7E-02	5.0E-08
491	0.05	5.0E-08	1.1E+01	9.9E-04	1.0E-03	1.2E-05	1.6E-01	2.7E-02	5.0E-08
492	0.05	4.9E-08	1.1E+01	9.9E-04	1.0E-03	1.1E-05	1.6E-01	2.7E-02	4.9E-08
493	0.05	4.8E-08	1.1E+01	9.9E-04	1.0E-03	1.1E-05	1.6E-01	2.7E-02	4.8E-08
494	0.05	4.6E-08	1.0E+01	9.9E-04	1.0E-03	1.1E-05	1.6E-01	2.7E-02	4.6E-08
495	0.04	4.4E-08	1.0E+01	9.9E-04	1.0E-03	1.0E-05	1.6E-01	2.7E-02	4.4E-08
496	0.04	4.2E-08	9.4E+00	9.9E-04	1.0E-03	9.7E-06	1.6E-01	2.7E-02	4.2E-08
497	0.01	9.8E-09	2.2E+00	9.9E-04	1.0E-03	2.3E-06	1.6E-01	2.7E-02	9.8E-09
498	0.01	1.1E-08	2.4E+00	9.9E-04	1.0E-03	2.5E-06	1.6E-01	2.7E-02	1.1E-08
499	0.01	1.2E-08	2.7E+00	9.9E-04	1.0E-03	2.8E-06	1.6E-01	2.7E-02	1.2E-08
500	0.01	1.3E-08	3.0E+00	9.9E-04	1.0E-03	3.1E-06	1.6E-01	2.7E-02	1.3E-08
501	0.02	1.5E-08	3.4E+00	9.9E-04	1.0E-03	3.5E-06	1.6E-01	2.7E-02	1.5E-08
502	0.06	5.6E-08	1.3E+01	9.9E-04	1.0E-03	1.3E-05	1.6E-01	2.7E-02	5.6E-08
503	0.06	5.9E-08	1.3E+01	9.9E-04	1.0E-03	1.4E-05	1.6E-01	2.7E-02	5.9E-08
504	0.06	6.0E-08	1.4E+01	9.9E-04	1.0E-03	1.4E-05	1.6E-01	2.7E-02	6.0E-08
505	0.06	6.1E-08	1.4E+01	9.9E-04	1.0E-03	1.4E-05	1.6E-01	2.7E-02	6.1E-08
506	0.06	6.0E-08	1.4E+01	9.9E-04	1.0E-03	1.4E-05	1.6E-01	2.7E-02	6.0E-08
507	0.06	5.9E-08	1.3E+01	9.9E-04	1.0E-03	1.4E-05	1.6E-01	2.7E-02	5.9E-08
508	0.06	5.6E-08	1.3E+01	9.9E-04	1.0E-03	1.3E-05	1.6E-01	2.7E-02	5.6E-08
509	0.05	5.4E-08	1.2E+01	9.9E-04	1.0E-03	1.2E-05	1.6E-01	2.7E-02	5.4E-08
510	0.05	5.0E-08	1.1E+01	9.9E-04	1.0E-03	1.2E-05	1.6E-01	2.7E-02	5.0E-08
511	0.05	4.7E-08	1.1E+01	9.9E-04	1.0E-03	1.1E-05	1.6E-01	2.7E-02	4.7E-08
512	0.01	1.0E-08	2.3E+00	9.9E-04	1.0E-03	2.4E-06	1.6E-01	2.7E-02	1.0E-08
513	0.01	1.2E-08	2.6E+00	9.9E-04	1.0E-03	2.7E-06	1.6E-01	2.7E-02	1.2E-08
514	0.01	1.3E-08	2.9E+00	9.9E-04	1.0E-03	3.0E-06	1.6E-01	2.7E-02	1.3E-08
515	0.01	1.5E-08	3.3E+00	9.9E-04	1.0E-03	3.4E-06	1.6E-01	2.7E-02	1.5E-08
516	0.02	1.7E-08	3.7E+00	9.9E-04	1.0E-03	3.8E-06	1.6E-01	2.7E-02	1.7E-08
517	0.07	7.1E-08	1.6E+01	9.9E-04	1.0E-03	1.7E-05	1.6E-01	2.7E-02	7.1E-08
518	0.07	7.4E-08	1.7E+01	9.9E-04	1.0E-03	1.7E-05	1.6E-01	2.7E-02	7.4E-08
519	0.08	7.6E-08	1.7E+01	9.9E-04	1.0E-03	1.8E-05	1.6E-01	2.7E-02	7.6E-08
520	0.08	7.5E-08	1.7E+01	9.9E-04	1.0E-03	1.7E-05	1.6E-01	2.7E-02	7.5E-08
521	0.07	7.3E-08	1.7E+01	9.9E-04	1.0E-03	1.7E-05	1.6E-01	2.7E-02	7.3E-08
522	0.07	7.0E-08	1.6E+01	9.9E-04	1.0E-03	1.6E-05	1.6E-01	2.7E-02	7.0E-08
523	0.07	6.6E-08	1.5E+01	9.9E-04	1.0E-03	1.5E-05	1.6E-01	2.7E-02	6.6E-08
524	0.06	6.2E-08	1.4E+01	9.9E-04	1.0E-03	1.4E-05	1.6E-01	2.7E-02	6.2E-08
525	0.06	5.7E-08	1.3E+01	9.9E-04	1.0E-03	1.3E-05	1.6E-01	2.7E-02	5.7E-08
526	0.05	5.2E-08	1.2E+01	9.9E-04	1.0E-03	1.2E-05	1.6E-01	2.7E-02	5.2E-08
527	0.01	1.1E-08	2.5E+00	9.9E-04	1.0E-03	2.5E-06	1.6E-01	2.7E-02	1.1E-08
528	0.01	1.2E-08	2.8E+00	9.9E-04	1.0E-03	2.8E-06	1.6E-01	2.7E-02	1.2E-08
529	0.01	1.4E-08	3.1E+00	9.9E-04	1.0E-03	3.2E-06	1.6E-01	2.7E-02	1.4E-08
530	0.02	1.6E-08	3.5E+00	9.9E-04	1.0E-03	3.7E-06	1.6E-01	2.7E-02	1.6E-08
531	0.02	1.8E-08	4.1E+00	9.9E-04	1.0E-03	4.2E-06	1.6E-01	2.7E-02	1.8E-08
532	0.09	9.4E-08	2.1E+01	9.9E-04	1.0E-03	2.2E-05	1.6E-01	2.7E-02	9.4E-08
533	0.10	9.6E-08	2.2E+01	9.9E-04	1.0E-03	2.2E-05	1.6E-01	2.7E-02	9.6E-08

534	0.10	9.6E-08	2.2E+01	9.9E-04	1.0E-03	2.2E-05	1.6E-01	2.7E-02	9.6E-08
535	0.09	9.3E-08	2.1E+01	9.9E-04	1.0E-03	2.2E-05	1.6E-01	2.7E-02	9.3E-08
536	0.09	8.8E-08	2.0E+01	9.9E-04	1.0E-03	2.0E-05	1.6E-01	2.7E-02	8.8E-08
537	0.08	8.3E-08	1.9E+01	9.9E-04	1.0E-03	1.9E-05	1.6E-01	2.7E-02	8.3E-08
538	0.08	7.6E-08	1.7E+01	9.9E-04	1.0E-03	1.8E-05	1.6E-01	2.7E-02	7.6E-08
539	0.07	7.0E-08	1.6E+01	9.9E-04	1.0E-03	1.6E-05	1.6E-01	2.7E-02	7.0E-08
540	0.06	6.3E-08	1.4E+01	9.9E-04	1.0E-03	1.5E-05	1.6E-01	2.7E-02	6.3E-08
541	0.06	5.7E-08	1.3E+01	9.9E-04	1.0E-03	1.3E-05	1.6E-01	2.7E-02	5.7E-08
542	0.01	1.1E-08	2.6E+00	9.9E-04	1.0E-03	2.7E-06	1.6E-01	2.7E-02	1.1E-08
543	0.01	1.3E-08	2.9E+00	9.9E-04	1.0E-03	3.0E-06	1.6E-01	2.7E-02	1.3E-08
544	0.01	1.5E-08	3.3E+00	9.9E-04	1.0E-03	3.4E-06	1.6E-01	2.7E-02	1.5E-08
545	0.02	1.7E-08	3.8E+00	9.9E-04	1.0E-03	4.0E-06	1.6E-01	2.7E-02	1.7E-08
546	0.02	2.0E-08	4.5E+00	9.9E-04	1.0E-03	4.6E-06	1.6E-01	2.7E-02	2.0E-08
547	0.13	1.3E-07	2.8E+01	9.9E-04	1.0E-03	2.9E-05	1.6E-01	2.7E-02	1.3E-07
548	0.13	1.3E-07	2.8E+01	9.9E-04	1.0E-03	2.9E-05	1.6E-01	2.7E-02	1.3E-07
549	0.12	1.2E-07	2.8E+01	9.9E-04	1.0E-03	2.8E-05	1.6E-01	2.7E-02	1.2E-07
550	0.12	1.2E-07	2.6E+01	9.9E-04	1.0E-03	2.7E-05	1.6E-01	2.7E-02	1.2E-07
551	0.10	1.0E-07	2.3E+01	9.9E-04	1.0E-03	2.4E-05	1.6E-01	2.7E-02	1.0E-07
552	0.09	9.3E-08	2.1E+01	9.9E-04	1.0E-03	2.2E-05	1.6E-01	2.7E-02	9.3E-08
553	0.08	8.5E-08	1.9E+01	9.9E-04	1.0E-03	2.0E-05	1.6E-01	2.7E-02	8.5E-08
554	0.08	7.6E-08	1.7E+01	9.9E-04	1.0E-03	1.8E-05	1.6E-01	2.7E-02	7.6E-08
555	0.07	6.8E-08	1.5E+01	9.9E-04	1.0E-03	1.6E-05	1.6E-01	2.7E-02	6.8E-08
556	0.06	6.0E-08	1.3E+01	9.9E-04	1.0E-03	1.4E-05	1.6E-01	2.7E-02	6.0E-08
557	0.01	1.2E-08	2.7E+00	9.9E-04	1.0E-03	2.8E-06	1.6E-01	2.7E-02	1.2E-08
558	0.01	1.4E-08	3.1E+00	9.9E-04	1.0E-03	3.2E-06	1.6E-01	2.7E-02	1.4E-08
559	0.02	1.6E-08	3.5E+00	9.9E-04	1.0E-03	3.7E-06	1.6E-01	2.7E-02	1.6E-08
560	0.02	1.8E-08	4.1E+00	9.9E-04	1.0E-03	4.3E-06	1.6E-01	2.7E-02	1.8E-08
561	0.02	2.2E-08	4.8E+00	9.9E-04	1.0E-03	5.0E-06	1.6E-01	2.7E-02	2.2E-08
562	0.17	1.7E-07	3.9E+01	9.9E-04	1.0E-03	4.0E-05	1.6E-01	2.7E-02	1.7E-07
563	0.16	1.6E-07	3.6E+01	9.9E-04	1.0E-03	3.8E-05	1.6E-01	2.7E-02	1.6E-07
564	0.14	1.4E-07	3.2E+01	9.9E-04	1.0E-03	3.3E-05	1.6E-01	2.7E-02	1.4E-07
565	0.12	1.2E-07	2.6E+01	9.9E-04	1.0E-03	2.7E-05	1.6E-01	2.7E-02	1.2E-07
566	0.10	1.0E-07	2.3E+01	9.9E-04	1.0E-03	2.4E-05	1.6E-01	2.7E-02	1.0E-07
567	0.09	8.9E-08	2.0E+01	9.9E-04	1.0E-03	2.1E-05	1.6E-01	2.7E-02	8.9E-08
568	0.08	7.8E-08	1.8E+01	9.9E-04	1.0E-03	1.8E-05	1.6E-01	2.7E-02	7.8E-08
569	0.07	6.8E-08	1.5E+01	9.9E-04	1.0E-03	1.6E-05	1.6E-01	2.7E-02	6.8E-08
570	0.06	6.1E-08	1.4E+01	9.9E-04	1.0E-03	1.4E-05	1.6E-01	2.7E-02	6.1E-08
571	0.01	1.3E-08	2.8E+00	9.9E-04	1.0E-03	2.9E-06	1.6E-01	2.7E-02	1.3E-08
572	0.01	1.4E-08	3.2E+00	9.9E-04	1.0E-03	3.3E-06	1.6E-01	2.7E-02	1.4E-08
573	0.02	1.7E-08	3.7E+00	9.9E-04	1.0E-03	3.9E-06	1.6E-01	2.7E-02	1.7E-08
574	0.02	2.0E-08	4.4E+00	9.9E-04	1.0E-03	4.5E-06	1.6E-01	2.7E-02	2.0E-08
575	0.02	2.3E-08	5.2E+00	9.9E-04	1.0E-03	5.4E-06	1.6E-01	2.7E-02	2.3E-08
576	0.22	2.2E-07	4.9E+01	9.9E-04	1.0E-03	5.0E-05	1.6E-01	2.7E-02	2.2E-07
577	0.18	1.8E-07	4.2E+01	9.9E-04	1.0E-03	4.3E-05	1.6E-01	2.7E-02	1.8E-07
578	0.15	1.5E-07	3.3E+01	9.9E-04	1.0E-03	3.5E-05	1.6E-01	2.7E-02	1.5E-07
579	0.13	1.3E-07	2.8E+01	9.9E-04	1.0E-03	2.9E-05	1.6E-01	2.7E-02	1.3E-07
580	0.10	1.0E-07	2.4E+01	9.9E-04	1.0E-03	2.4E-05	1.6E-01	2.7E-02	1.0E-07
581	0.09	8.7E-08	1.9E+01	9.9E-04	1.0E-03	2.0E-05	1.6E-01	2.7E-02	8.7E-08
582	0.07	7.3E-08	1.6E+01	9.9E-04	1.0E-03	1.7E-05	1.6E-01	2.7E-02	7.3E-08

583	0.06	6.2E-08	1.4E+01	9.9E-04	1.0E-03	1.4E-05	1.6E-01	2.7E-02	6.2E-08
584	0.01	1.3E-08	2.9E+00	9.9E-04	1.0E-03	3.0E-06	1.6E-01	2.7E-02	1.3E-08
585	0.01	1.5E-08	3.4E+00	9.9E-04	1.0E-03	3.5E-06	1.6E-01	2.7E-02	1.5E-08
586	0.02	1.7E-08	3.9E+00	9.9E-04	1.0E-03	4.0E-06	1.6E-01	2.7E-02	1.7E-08
587	0.02	2.1E-08	4.6E+00	9.9E-04	1.0E-03	4.8E-06	1.6E-01	2.7E-02	2.1E-08
588	0.02	2.5E-08	5.5E+00	9.9E-04	1.0E-03	5.7E-06	1.6E-01	2.7E-02	2.5E-08
589	0.24	2.4E-07	5.5E+01	9.9E-04	1.0E-03	5.7E-05	1.6E-01	2.7E-02	2.4E-07
590	0.20	2.0E-07	4.4E+01	9.9E-04	1.0E-03	4.6E-05	1.6E-01	2.7E-02	2.0E-07
591	0.16	1.6E-07	3.6E+01	9.9E-04	1.0E-03	3.7E-05	1.6E-01	2.7E-02	1.6E-07
592	0.12	1.2E-07	2.8E+01	9.9E-04	1.0E-03	2.9E-05	1.6E-01	2.7E-02	1.2E-07
593	0.10	1.0E-07	2.3E+01	9.9E-04	1.0E-03	2.3E-05	1.6E-01	2.7E-02	1.0E-07
594	0.08	8.1E-08	1.8E+01	9.9E-04	1.0E-03	1.9E-05	1.6E-01	2.7E-02	8.1E-08
595	0.07	6.6E-08	1.5E+01	9.9E-04	1.0E-03	1.5E-05	1.6E-01	2.7E-02	6.6E-08
596	0.01	1.3E-08	3.0E+00	9.9E-04	1.0E-03	3.1E-06	1.6E-01	2.7E-02	1.3E-08
597	0.02	1.5E-08	3.5E+00	9.9E-04	1.0E-03	3.6E-06	1.6E-01	2.7E-02	1.5E-08
598	0.02	1.8E-08	4.0E+00	9.9E-04	1.0E-03	4.2E-06	1.6E-01	2.7E-02	1.8E-08
599	0.02	2.1E-08	4.8E+00	9.9E-04	1.0E-03	5.0E-06	1.6E-01	2.7E-02	2.1E-08
600	0.03	2.6E-08	5.8E+00	9.9E-04	1.0E-03	6.0E-06	1.6E-01	2.7E-02	2.6E-08
601	0.23	2.3E-07	5.1E+01	9.9E-04	1.0E-03	5.3E-05	1.6E-01	2.7E-02	2.3E-07
602	0.17	1.7E-07	3.9E+01	9.9E-04	1.0E-03	4.0E-05	1.6E-01	2.7E-02	1.7E-07
603	0.13	1.3E-07	3.0E+01	9.9E-04	1.0E-03	3.1E-05	1.6E-01	2.7E-02	1.3E-07
604	0.11	1.1E-07	2.4E+01	9.9E-04	1.0E-03	2.5E-05	1.6E-01	2.7E-02	1.1E-07
605	0.09	8.5E-08	1.9E+01	9.9E-04	1.0E-03	2.0E-05	1.6E-01	2.7E-02	8.5E-08
606	0.07	6.9E-08	1.5E+01	9.9E-04	1.0E-03	1.6E-05	1.6E-01	2.7E-02	6.9E-08
607	0.01	1.3E-08	3.0E+00	9.9E-04	1.0E-03	3.1E-06	1.6E-01	2.7E-02	1.3E-08
608	0.02	1.6E-08	3.5E+00	9.9E-04	1.0E-03	3.6E-06	1.6E-01	2.7E-02	1.6E-08
609	0.02	1.8E-08	4.1E+00	9.9E-04	1.0E-03	4.3E-06	1.6E-01	2.7E-02	1.8E-08
610	0.02	2.2E-08	4.9E+00	9.9E-04	1.0E-03	5.1E-06	1.6E-01	2.7E-02	2.2E-08
611	0.03	2.6E-08	6.0E+00	9.9E-04	1.0E-03	6.1E-06	1.6E-01	2.7E-02	2.6E-08
612	0.25	2.5E-07	5.6E+01	9.9E-04	1.0E-03	5.8E-05	1.6E-01	2.7E-02	2.5E-07
613	0.18	1.8E-07	4.1E+01	9.9E-04	1.0E-03	4.2E-05	1.6E-01	2.7E-02	1.8E-07
614	0.14	1.4E-07	3.1E+01	9.9E-04	1.0E-03	3.2E-05	1.6E-01	2.7E-02	1.4E-07
615	0.11	1.1E-07	2.4E+01	9.9E-04	1.0E-03	2.5E-05	1.6E-01	2.7E-02	1.1E-07
616	0.08	8.5E-08	1.9E+01	9.9E-04	1.0E-03	2.0E-05	1.6E-01	2.7E-02	8.5E-08
617	0.07	6.8E-08	1.5E+01	9.9E-04	1.0E-03	1.6E-05	1.6E-01	2.7E-02	6.8E-08
618	0.01	1.4E-08	3.0E+00	9.9E-04	1.0E-03	3.1E-06	1.6E-01	2.7E-02	1.4E-08
619	0.02	1.6E-08	3.5E+00	9.9E-04	1.0E-03	3.6E-06	1.6E-01	2.7E-02	1.6E-08
620	0.02	1.8E-08	4.2E+00	9.9E-04	1.0E-03	4.3E-06	1.6E-01	2.7E-02	1.8E-08
621	0.02	2.2E-08	4.9E+00	9.9E-04	1.0E-03	5.1E-06	1.6E-01	2.7E-02	2.2E-08
622	0.03	2.7E-08	6.0E+00	9.9E-04	1.0E-03	6.2E-06	1.6E-01	2.7E-02	2.7E-08
623	0.25	2.5E-07	5.5E+01	9.9E-04	1.0E-03	5.7E-05	1.6E-01	2.7E-02	2.5E-07
624	0.18	1.8E-07	4.0E+01	9.9E-04	1.0E-03	4.1E-05	1.6E-01	2.7E-02	1.8E-07
625	0.13	1.3E-07	3.0E+01	9.9E-04	1.0E-03	3.0E-05	1.6E-01	2.7E-02	1.3E-07
626	0.10	1.0E-07	2.3E+01	9.9E-04	1.0E-03	2.4E-05	1.6E-01	2.7E-02	1.0E-07
627	0.08	8.2E-08	1.8E+01	9.9E-04	1.0E-03	1.9E-05	1.6E-01	2.7E-02	8.2E-08
628	0.07	6.6E-08	1.5E+01	9.9E-04	1.0E-03	1.5E-05	1.6E-01	2.7E-02	6.6E-08
629	0.01	1.3E-08	3.0E+00	9.9E-04	1.0E-03	3.1E-06	1.6E-01	2.7E-02	1.3E-08
630	0.02	1.6E-08	3.5E+00	9.9E-04	1.0E-03	3.6E-06	1.6E-01	2.7E-02	1.6E-08
631	0.02	1.8E-08	4.1E+00	9.9E-04	1.0E-03	4.2E-06	1.6E-01	2.7E-02	1.8E-08

632	0.02	2.2E-08	4.9E+00	9.9E-04	1.0E-03	5.0E-06	1.6E-01	2.7E-02	2.2E-08
633	0.03	2.6E-08	5.9E+00	9.9E-04	1.0E-03	6.1E-06	1.6E-01	2.7E-02	2.6E-08
634	0.22	2.2E-07	4.9E+01	9.9E-04	1.0E-03	5.0E-05	1.6E-01	2.7E-02	2.2E-07
635	0.16	1.6E-07	3.6E+01	9.9E-04	1.0E-03	3.7E-05	1.6E-01	2.7E-02	1.6E-07
636	0.12	1.2E-07	2.7E+01	9.9E-04	1.0E-03	2.8E-05	1.6E-01	2.7E-02	1.2E-07
637	0.09	9.4E-08	2.1E+01	9.9E-04	1.0E-03	2.2E-05	1.6E-01	2.7E-02	9.4E-08
638	0.08	7.6E-08	1.7E+01	9.9E-04	1.0E-03	1.8E-05	1.6E-01	2.7E-02	7.6E-08
639	0.06	6.3E-08	1.4E+01	9.9E-04	1.0E-03	1.5E-05	1.6E-01	2.7E-02	6.3E-08
640	0.01	1.3E-08	3.0E+00	9.9E-04	1.0E-03	3.1E-06	1.6E-01	2.7E-02	1.3E-08
641	0.02	1.5E-08	3.4E+00	9.9E-04	1.0E-03	3.6E-06	1.6E-01	2.7E-02	1.5E-08
642	0.02	1.8E-08	4.0E+00	9.9E-04	1.0E-03	4.2E-06	1.6E-01	2.7E-02	1.8E-08
643	0.02	2.1E-08	4.8E+00	9.9E-04	1.0E-03	4.9E-06	1.6E-01	2.7E-02	2.1E-08
644	0.03	2.6E-08	5.8E+00	9.9E-04	1.0E-03	6.0E-06	1.6E-01	2.7E-02	2.6E-08
645	0.18	1.8E-07	4.0E+01	9.9E-04	1.0E-03	4.1E-05	1.6E-01	2.7E-02	1.8E-07
646	0.13	1.3E-07	3.0E+01	9.9E-04	1.0E-03	3.1E-05	1.6E-01	2.7E-02	1.3E-07
647	0.11	1.1E-07	2.4E+01	9.9E-04	1.0E-03	2.5E-05	1.6E-01	2.7E-02	1.1E-07
648	0.08	8.5E-08	1.9E+01	9.9E-04	1.0E-03	2.0E-05	1.6E-01	2.7E-02	8.5E-08
649	0.07	7.0E-08	1.6E+01	9.9E-04	1.0E-03	1.6E-05	1.6E-01	2.7E-02	7.0E-08
650	0.06	5.8E-08	1.3E+01	9.9E-04	1.0E-03	1.3E-05	1.6E-01	2.7E-02	5.8E-08
651	0.01	1.3E-08	2.9E+00	9.9E-04	1.0E-03	3.0E-06	1.6E-01	2.7E-02	1.3E-08
652	0.02	1.5E-08	3.4E+00	9.9E-04	1.0E-03	3.5E-06	1.6E-01	2.7E-02	1.5E-08
653	0.02	1.8E-08	3.9E+00	9.9E-04	1.0E-03	4.1E-06	1.6E-01	2.7E-02	1.8E-08
654	0.02	2.1E-08	4.7E+00	9.9E-04	1.0E-03	4.8E-06	1.6E-01	2.7E-02	2.1E-08
655	0.02	2.5E-08	5.6E+00	9.9E-04	1.0E-03	5.8E-06	1.6E-01	2.7E-02	2.5E-08
656	0.03	3.0E-08	6.8E+00	9.9E-04	1.0E-03	7.0E-06	1.6E-01	2.7E-02	3.0E-08
657	0.04	3.8E-08	8.5E+00	9.9E-04	1.0E-03	8.8E-06	1.6E-01	2.7E-02	3.8E-08
658	0.05	4.9E-08	1.1E+01	9.9E-04	1.0E-03	1.1E-05	1.6E-01	2.7E-02	4.9E-08
659	0.07	6.5E-08	1.5E+01	9.9E-04	1.0E-03	1.5E-05	1.6E-01	2.7E-02	6.5E-08
660	0.09	9.0E-08	2.0E+01	9.9E-04	1.0E-03	2.1E-05	1.6E-01	2.7E-02	9.0E-08
661	0.13	1.3E-07	2.8E+01	9.9E-04	1.0E-03	2.9E-05	1.6E-01	2.7E-02	1.3E-07
662	0.17	1.7E-07	3.9E+01	9.9E-04	1.0E-03	4.0E-05	1.6E-01	2.7E-02	1.7E-07
663	0.22	2.2E-07	5.0E+01	9.9E-04	1.0E-03	5.2E-05	1.6E-01	2.7E-02	2.2E-07
664	0.27	2.7E-07	6.0E+01	9.9E-04	1.0E-03	6.2E-05	1.6E-01	2.7E-02	2.7E-07
665	0.30	3.0E-07	6.6E+01	9.9E-04	1.0E-03	6.9E-05	1.6E-01	2.7E-02	3.0E-07
666	0.30	3.0E-07	6.8E+01	9.9E-04	1.0E-03	7.1E-05	1.6E-01	2.7E-02	3.0E-07
667	0.29	2.9E-07	6.6E+01	9.9E-04	1.0E-03	6.8E-05	1.6E-01	2.7E-02	2.9E-07
668	0.26	2.6E-07	6.0E+01	9.9E-04	1.0E-03	6.2E-05	1.6E-01	2.7E-02	2.6E-07
669	0.22	2.2E-07	5.0E+01	9.9E-04	1.0E-03	5.2E-05	1.6E-01	2.7E-02	2.2E-07
670	0.18	1.8E-07	4.0E+01	9.9E-04	1.0E-03	4.1E-05	1.6E-01	2.7E-02	1.8E-07
671	0.14	1.4E-07	3.1E+01	9.9E-04	1.0E-03	3.2E-05	1.6E-01	2.7E-02	1.4E-07
672	0.11	1.1E-07	2.5E+01	9.9E-04	1.0E-03	2.6E-05	1.6E-01	2.7E-02	1.1E-07
673	0.09	9.1E-08	2.0E+01	9.9E-04	1.0E-03	2.1E-05	1.6E-01	2.7E-02	9.1E-08
674	0.07	7.5E-08	1.7E+01	9.9E-04	1.0E-03	1.7E-05	1.6E-01	2.7E-02	7.5E-08
675	0.06	6.2E-08	1.4E+01	9.9E-04	1.0E-03	1.4E-05	1.6E-01	2.7E-02	6.2E-08
676	0.05	5.3E-08	1.2E+01	9.9E-04	1.0E-03	1.2E-05	1.6E-01	2.7E-02	5.3E-08
677	0.01	1.3E-08	2.8E+00	9.9E-04	1.0E-03	2.9E-06	1.6E-01	2.7E-02	1.3E-08
678	0.01	1.4E-08	3.2E+00	9.9E-04	1.0E-03	3.3E-06	1.6E-01	2.7E-02	1.4E-08
679	0.02	1.7E-08	3.8E+00	9.9E-04	1.0E-03	3.9E-06	1.6E-01	2.7E-02	1.7E-08
680	0.02	2.0E-08	4.4E+00	9.9E-04	1.0E-03	4.5E-06	1.6E-01	2.7E-02	2.0E-08

681	0.02	2.3E-08	5.2E+00	9.9E-04	1.0E-03	5.4E-06	1.6E-01	2.7E-02	2.3E-08
682	0.03	2.8E-08	6.3E+00	9.9E-04	1.0E-03	6.5E-06	1.6E-01	2.7E-02	2.8E-08
683	0.03	3.5E-08	7.8E+00	9.9E-04	1.0E-03	8.0E-06	1.6E-01	2.7E-02	3.5E-08
684	0.04	4.4E-08	9.8E+00	9.9E-04	1.0E-03	1.0E-05	1.6E-01	2.7E-02	4.4E-08
685	0.06	5.7E-08	1.3E+01	9.9E-04	1.0E-03	1.3E-05	1.6E-01	2.7E-02	5.7E-08
686	0.07	7.4E-08	1.7E+01	9.9E-04	1.0E-03	1.7E-05	1.6E-01	2.7E-02	7.4E-08
687	0.10	9.7E-08	2.2E+01	9.9E-04	1.0E-03	2.3E-05	1.6E-01	2.7E-02	9.7E-08
688	0.13	1.3E-07	2.8E+01	9.9E-04	1.0E-03	2.9E-05	1.6E-01	2.7E-02	1.3E-07
689	0.15	1.5E-07	3.5E+01	9.9E-04	1.0E-03	3.6E-05	1.6E-01	2.7E-02	1.5E-07
690	0.18	1.8E-07	4.0E+01	9.9E-04	1.0E-03	4.1E-05	1.6E-01	2.7E-02	1.8E-07
691	0.19	1.9E-07	4.4E+01	9.9E-04	1.0E-03	4.5E-05	1.6E-01	2.7E-02	1.9E-07
692	0.20	2.0E-07	4.5E+01	9.9E-04	1.0E-03	4.7E-05	1.6E-01	2.7E-02	2.0E-07
693	0.20	2.0E-07	4.4E+01	9.9E-04	1.0E-03	4.5E-05	1.6E-01	2.7E-02	2.0E-07
694	0.18	1.8E-07	4.1E+01	9.9E-04	1.0E-03	4.2E-05	1.6E-01	2.7E-02	1.8E-07
695	0.16	1.6E-07	3.6E+01	9.9E-04	1.0E-03	3.7E-05	1.6E-01	2.7E-02	1.6E-07
696	0.13	1.3E-07	3.0E+01	9.9E-04	1.0E-03	3.1E-05	1.6E-01	2.7E-02	1.3E-07
697	0.11	1.1E-07	2.5E+01	9.9E-04	1.0E-03	2.6E-05	1.6E-01	2.7E-02	1.1E-07
698	0.09	9.3E-08	2.1E+01	9.9E-04	1.0E-03	2.2E-05	1.6E-01	2.7E-02	9.3E-08
699	0.08	7.7E-08	1.7E+01	9.9E-04	1.0E-03	1.8E-05	1.6E-01	2.7E-02	7.7E-08
700	0.07	6.5E-08	1.5E+01	9.9E-04	1.0E-03	1.5E-05	1.6E-01	2.7E-02	6.5E-08
701	0.06	5.5E-08	1.2E+01	9.9E-04	1.0E-03	1.3E-05	1.6E-01	2.7E-02	5.5E-08
702	0.05	4.7E-08	1.1E+01	9.9E-04	1.0E-03	1.1E-05	1.6E-01	2.7E-02	4.7E-08
703	0.01	1.2E-08	2.7E+00	9.9E-04	1.0E-03	2.8E-06	1.6E-01	2.7E-02	1.2E-08
704	0.01	1.4E-08	3.1E+00	9.9E-04	1.0E-03	3.2E-06	1.6E-01	2.7E-02	1.4E-08
705	0.02	1.6E-08	3.6E+00	9.9E-04	1.0E-03	3.7E-06	1.6E-01	2.7E-02	1.6E-08
706	0.02	1.8E-08	4.1E+00	9.9E-04	1.0E-03	4.3E-06	1.6E-01	2.7E-02	1.8E-08
707	0.02	2.2E-08	4.9E+00	9.9E-04	1.0E-03	5.0E-06	1.6E-01	2.7E-02	2.2E-08
708	0.03	2.6E-08	5.9E+00	9.9E-04	1.0E-03	6.0E-06	1.6E-01	2.7E-02	2.6E-08
709	0.03	3.2E-08	7.1E+00	9.9E-04	1.0E-03	7.3E-06	1.6E-01	2.7E-02	3.2E-08
710	0.04	3.9E-08	8.8E+00	9.9E-04	1.0E-03	9.1E-06	1.6E-01	2.7E-02	3.9E-08
711	0.05	4.9E-08	1.1E+01	9.9E-04	1.0E-03	1.1E-05	1.6E-01	2.7E-02	4.9E-08
712	0.06	6.1E-08	1.4E+01	9.9E-04	1.0E-03	1.4E-05	1.6E-01	2.7E-02	6.1E-08
713	0.08	7.6E-08	1.7E+01	9.9E-04	1.0E-03	1.8E-05	1.6E-01	2.7E-02	7.6E-08
714	0.09	9.4E-08	2.1E+01	9.9E-04	1.0E-03	2.2E-05	1.6E-01	2.7E-02	9.4E-08
715	0.11	1.1E-07	2.5E+01	9.9E-04	1.0E-03	2.6E-05	1.6E-01	2.7E-02	1.1E-07
716	0.13	1.3E-07	2.8E+01	9.9E-04	1.0E-03	2.9E-05	1.6E-01	2.7E-02	1.3E-07
717	0.14	1.4E-07	3.1E+01	9.9E-04	1.0E-03	3.2E-05	1.6E-01	2.7E-02	1.4E-07
718	0.14	1.4E-07	3.2E+01	9.9E-04	1.0E-03	3.3E-05	1.6E-01	2.7E-02	1.4E-07
719	0.14	1.4E-07	3.1E+01	9.9E-04	1.0E-03	3.2E-05	1.6E-01	2.7E-02	1.4E-07
720	0.13	1.3E-07	3.0E+01	9.9E-04	1.0E-03	3.1E-05	1.6E-01	2.7E-02	1.3E-07
721	0.12	1.2E-07	2.7E+01	9.9E-04	1.0E-03	2.8E-05	1.6E-01	2.7E-02	1.2E-07
722	0.10	1.0E-07	2.4E+01	9.9E-04	1.0E-03	2.4E-05	1.6E-01	2.7E-02	1.0E-07
723	0.09	9.0E-08	2.0E+01	9.9E-04	1.0E-03	2.1E-05	1.6E-01	2.7E-02	9.0E-08
724	0.08	7.8E-08	1.7E+01	9.9E-04	1.0E-03	1.8E-05	1.6E-01	2.7E-02	7.8E-08
725	0.07	6.6E-08	1.5E+01	9.9E-04	1.0E-03	1.5E-05	1.6E-01	2.7E-02	6.6E-08
726	0.06	5.7E-08	1.3E+01	9.9E-04	1.0E-03	1.3E-05	1.6E-01	2.7E-02	5.7E-08
727	0.05	4.9E-08	1.1E+01	9.9E-04	1.0E-03	1.1E-05	1.6E-01	2.7E-02	4.9E-08
728	0.04	4.3E-08	9.6E+00	9.9E-04	1.0E-03	9.9E-06	1.6E-01	2.7E-02	4.3E-08
729	0.01	1.2E-08	2.6E+00	9.9E-04	1.0E-03	2.7E-06	1.6E-01	2.7E-02	1.2E-08

730	0.01	1.3E-08	3.0E+00	9.9E-04	1.0E-03	3.1E-06	1.6E-01	2.7E-02	1.3E-08
731	0.02	1.5E-08	3.4E+00	9.9E-04	1.0E-03	3.5E-06	1.6E-01	2.7E-02	1.5E-08
732	0.02	1.7E-08	3.9E+00	9.9E-04	1.0E-03	4.0E-06	1.6E-01	2.7E-02	1.7E-08
733	0.02	2.0E-08	4.5E+00	9.9E-04	1.0E-03	4.7E-06	1.6E-01	2.7E-02	2.0E-08
734	0.02	2.4E-08	5.4E+00	9.9E-04	1.0E-03	5.6E-06	1.6E-01	2.7E-02	2.4E-08
735	0.03	2.9E-08	6.4E+00	9.9E-04	1.0E-03	6.7E-06	1.6E-01	2.7E-02	2.9E-08
736	0.03	3.5E-08	7.8E+00	9.9E-04	1.0E-03	8.1E-06	1.6E-01	2.7E-02	3.5E-08
737	0.04	4.2E-08	9.4E+00	9.9E-04	1.0E-03	9.7E-06	1.6E-01	2.7E-02	4.2E-08
738	0.05	5.1E-08	1.1E+01	9.9E-04	1.0E-03	1.2E-05	1.6E-01	2.7E-02	5.1E-08
739	0.06	6.1E-08	1.4E+01	9.9E-04	1.0E-03	1.4E-05	1.6E-01	2.7E-02	6.1E-08
740	0.07	7.3E-08	1.6E+01	9.9E-04	1.0E-03	1.7E-05	1.6E-01	2.7E-02	7.3E-08
741	0.08	8.4E-08	1.9E+01	9.9E-04	1.0E-03	2.0E-05	1.6E-01	2.7E-02	8.4E-08
742	0.09	9.3E-08	2.1E+01	9.9E-04	1.0E-03	2.2E-05	1.6E-01	2.7E-02	9.3E-08
743	0.10	1.0E-07	2.2E+01	9.9E-04	1.0E-03	2.3E-05	1.6E-01	2.7E-02	1.0E-07
744	0.10	1.0E-07	2.3E+01	9.9E-04	1.0E-03	2.4E-05	1.6E-01	2.7E-02	1.0E-07
745	0.10	1.0E-07	2.3E+01	9.9E-04	1.0E-03	2.4E-05	1.6E-01	2.7E-02	1.0E-07
746	0.10	1.0E-07	2.2E+01	9.9E-04	1.0E-03	2.3E-05	1.6E-01	2.7E-02	1.0E-07
747	0.09	9.3E-08	2.1E+01	9.9E-04	1.0E-03	2.2E-05	1.6E-01	2.7E-02	9.3E-08
748	0.08	8.4E-08	1.9E+01	9.9E-04	1.0E-03	1.9E-05	1.6E-01	2.7E-02	8.4E-08
749	0.07	7.4E-08	1.7E+01	9.9E-04	1.0E-03	1.7E-05	1.6E-01	2.7E-02	7.4E-08
750	0.07	6.5E-08	1.5E+01	9.9E-04	1.0E-03	1.5E-05	1.6E-01	2.7E-02	6.5E-08
751	0.06	5.7E-08	1.3E+01	9.9E-04	1.0E-03	1.3E-05	1.6E-01	2.7E-02	5.7E-08
752	0.05	5.0E-08	1.1E+01	9.9E-04	1.0E-03	1.2E-05	1.6E-01	2.7E-02	5.0E-08
753	0.04	4.4E-08	9.8E+00	9.9E-04	1.0E-03	1.0E-05	1.6E-01	2.7E-02	4.4E-08
754	0.04	3.8E-08	8.7E+00	9.9E-04	1.0E-03	8.9E-06	1.6E-01	2.7E-02	3.8E-08
755	0.01	1.1E-08	2.5E+00	9.9E-04	1.0E-03	2.6E-06	1.6E-01	2.7E-02	1.1E-08
756	0.01	1.2E-08	2.8E+00	9.9E-04	1.0E-03	2.9E-06	1.6E-01	2.7E-02	1.2E-08
757	0.01	1.4E-08	3.2E+00	9.9E-04	1.0E-03	3.3E-06	1.6E-01	2.7E-02	1.4E-08
758	0.02	1.6E-08	3.6E+00	9.9E-04	1.0E-03	3.8E-06	1.6E-01	2.7E-02	1.6E-08
759	0.02	1.9E-08	4.2E+00	9.9E-04	1.0E-03	4.4E-06	1.6E-01	2.7E-02	1.9E-08
760	0.02	2.2E-08	4.9E+00	9.9E-04	1.0E-03	5.1E-06	1.6E-01	2.7E-02	2.2E-08
761	0.03	2.6E-08	5.8E+00	9.9E-04	1.0E-03	6.0E-06	1.6E-01	2.7E-02	2.6E-08
762	0.03	3.1E-08	6.9E+00	9.9E-04	1.0E-03	7.1E-06	1.6E-01	2.7E-02	3.1E-08
763	0.04	3.6E-08	8.1E+00	9.9E-04	1.0E-03	8.4E-06	1.6E-01	2.7E-02	3.6E-08
764	0.04	4.3E-08	9.6E+00	9.9E-04	1.0E-03	9.9E-06	1.6E-01	2.7E-02	4.3E-08
765	0.05	5.0E-08	1.1E+01	9.9E-04	1.0E-03	1.2E-05	1.6E-01	2.7E-02	5.0E-08
766	0.06	5.8E-08	1.3E+01	9.9E-04	1.0E-03	1.3E-05	1.6E-01	2.7E-02	5.8E-08
767	0.07	6.6E-08	1.5E+01	9.9E-04	1.0E-03	1.5E-05	1.6E-01	2.7E-02	6.6E-08
768	0.07	7.2E-08	1.6E+01	9.9E-04	1.0E-03	1.7E-05	1.6E-01	2.7E-02	7.2E-08
769	0.08	7.7E-08	1.7E+01	9.9E-04	1.0E-03	1.8E-05	1.6E-01	2.7E-02	7.7E-08
770	0.08	8.0E-08	1.8E+01	9.9E-04	1.0E-03	1.9E-05	1.6E-01	2.7E-02	8.0E-08
771	0.08	8.1E-08	1.8E+01	9.9E-04	1.0E-03	1.9E-05	1.6E-01	2.7E-02	8.1E-08
772	0.08	7.9E-08	1.8E+01	9.9E-04	1.0E-03	1.8E-05	1.6E-01	2.7E-02	7.9E-08
773	0.07	7.5E-08	1.7E+01	9.9E-04	1.0E-03	1.7E-05	1.6E-01	2.7E-02	7.5E-08
774	0.07	6.8E-08	1.5E+01	9.9E-04	1.0E-03	1.6E-05	1.6E-01	2.7E-02	6.8E-08
775	0.06	6.2E-08	1.4E+01	9.9E-04	1.0E-03	1.4E-05	1.6E-01	2.7E-02	6.2E-08
776	0.06	5.5E-08	1.2E+01	9.9E-04	1.0E-03	1.3E-05	1.6E-01	2.7E-02	5.5E-08
777	0.05	4.9E-08	1.1E+01	9.9E-04	1.0E-03	1.1E-05	1.6E-01	2.7E-02	4.9E-08
778	0.04	4.4E-08	9.9E+00	9.9E-04	1.0E-03	1.0E-05	1.6E-01	2.7E-02	4.4E-08

779	0.04	3.9E-08	8.8E+00	9.9E-04	1.0E-03	9.1E-06	1.6E-01	2.7E-02	3.9E-08
780	0.03	3.5E-08	7.8E+00	9.9E-04	1.0E-03	8.1E-06	1.6E-01	2.7E-02	3.5E-08
781	0.01	1.1E-08	2.4E+00	9.9E-04	1.0E-03	2.4E-06	1.6E-01	2.7E-02	1.1E-08
782	0.01	1.2E-08	2.6E+00	9.9E-04	1.0E-03	2.7E-06	1.6E-01	2.7E-02	1.2E-08
783	0.01	1.3E-08	3.0E+00	9.9E-04	1.0E-03	3.1E-06	1.6E-01	2.7E-02	1.3E-08
784	0.02	1.5E-08	3.4E+00	9.9E-04	1.0E-03	3.5E-06	1.6E-01	2.7E-02	1.5E-08
785	0.02	1.7E-08	3.9E+00	9.9E-04	1.0E-03	4.0E-06	1.6E-01	2.7E-02	1.7E-08
786	0.02	2.0E-08	4.5E+00	9.9E-04	1.0E-03	4.6E-06	1.6E-01	2.7E-02	2.0E-08
787	0.02	2.3E-08	5.2E+00	9.9E-04	1.0E-03	5.4E-06	1.6E-01	2.7E-02	2.3E-08
788	0.03	2.7E-08	6.1E+00	9.9E-04	1.0E-03	6.3E-06	1.6E-01	2.7E-02	2.7E-08
789	0.03	3.1E-08	7.0E+00	9.9E-04	1.0E-03	7.3E-06	1.6E-01	2.7E-02	3.1E-08
790	0.04	3.6E-08	8.1E+00	9.9E-04	1.0E-03	8.4E-06	1.6E-01	2.7E-02	3.6E-08
791	0.04	4.1E-08	9.3E+00	9.9E-04	1.0E-03	9.6E-06	1.6E-01	2.7E-02	4.1E-08
792	0.05	4.7E-08	1.1E+01	9.9E-04	1.0E-03	1.1E-05	1.6E-01	2.7E-02	4.7E-08
793	0.05	5.3E-08	1.2E+01	9.9E-04	1.0E-03	1.2E-05	1.6E-01	2.7E-02	5.3E-08
794	0.06	5.7E-08	1.3E+01	9.9E-04	1.0E-03	1.3E-05	1.6E-01	2.7E-02	5.7E-08
795	0.06	6.1E-08	1.4E+01	9.9E-04	1.0E-03	1.4E-05	1.6E-01	2.7E-02	6.1E-08
796	0.06	6.3E-08	1.4E+01	9.9E-04	1.0E-03	1.5E-05	1.6E-01	2.7E-02	6.3E-08
797	0.06	6.4E-08	1.5E+01	9.9E-04	1.0E-03	1.5E-05	1.6E-01	2.7E-02	6.4E-08
798	0.06	6.4E-08	1.4E+01	9.9E-04	1.0E-03	1.5E-05	1.6E-01	2.7E-02	6.4E-08
799	0.06	6.1E-08	1.4E+01	9.9E-04	1.0E-03	1.4E-05	1.6E-01	2.7E-02	6.1E-08
800	0.06	5.6E-08	1.3E+01	9.9E-04	1.0E-03	1.3E-05	1.6E-01	2.7E-02	5.6E-08
801	0.05	5.2E-08	1.2E+01	9.9E-04	1.0E-03	1.2E-05	1.6E-01	2.7E-02	5.2E-08
802	0.05	4.8E-08	1.1E+01	9.9E-04	1.0E-03	1.1E-05	1.6E-01	2.7E-02	4.8E-08
803	0.04	4.3E-08	9.7E+00	9.9E-04	1.0E-03	1.0E-05	1.6E-01	2.7E-02	4.3E-08
804	0.04	3.9E-08	8.8E+00	9.9E-04	1.0E-03	9.1E-06	1.6E-01	2.7E-02	3.9E-08
805	0.04	3.5E-08	7.9E+00	9.9E-04	1.0E-03	8.1E-06	1.6E-01	2.7E-02	3.5E-08
806	0.03	3.2E-08	7.1E+00	9.9E-04	1.0E-03	7.3E-06	1.6E-01	2.7E-02	3.2E-08

Risk From New Building Paving - Unmitigated Residential

Franklin School Project

Risk From New Building Paving - Unmitigated Residential

	1.00	Max					Onsite		
Receptor #	**Total/ Million**	**Total**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
1	0.00	4.0E-09	2.0E-01	4.4E-03	1.0E-03	9.2E-07	1.6E-01	2.7E-02	4.0E-09
2	0.00	4.4E-09	2.2E-01	4.4E-03	1.0E-03	1.0E-06	1.6E-01	2.7E-02	4.4E-09
3	0.00	4.8E-09	2.5E-01	4.4E-03	1.0E-03	1.1E-06	1.6E-01	2.7E-02	4.8E-09
4	0.01	5.3E-09	2.7E-01	4.4E-03	1.0E-03	1.2E-06	1.6E-01	2.7E-02	5.3E-09
5	0.01	5.7E-09	2.9E-01	4.4E-03	1.0E-03	1.3E-06	1.6E-01	2.7E-02	5.7E-09
6	0.01	6.2E-09	3.2E-01	4.4E-03	1.0E-03	1.4E-06	1.6E-01	2.7E-02	6.2E-09
7	0.01	6.6E-09	3.4E-01	4.4E-03	1.0E-03	1.5E-06	1.6E-01	2.7E-02	6.6E-09
8	0.01	7.0E-09	3.6E-01	4.4E-03	1.0E-03	1.6E-06	1.6E-01	2.7E-02	7.0E-09
9	0.01	7.5E-09	3.8E-01	4.4E-03	1.0E-03	1.7E-06	1.6E-01	2.7E-02	7.5E-09
10	0.01	7.9E-09	4.0E-01	4.4E-03	1.0E-03	1.8E-06	1.6E-01	2.7E-02	7.9E-09
11	0.01	8.5E-09	4.3E-01	4.4E-03	1.0E-03	2.0E-06	1.6E-01	2.7E-02	8.5E-09
12	0.01	9.1E-09	4.6E-01	4.4E-03	1.0E-03	2.1E-06	1.6E-01	2.7E-02	9.1E-09
13	0.01	9.6E-09	4.9E-01	4.4E-03	1.0E-03	2.2E-06	1.6E-01	2.7E-02	9.6E-09
14	0.01	1.0E-08	5.1E-01	4.4E-03	1.0E-03	2.3E-06	1.6E-01	2.7E-02	1.0E-08
15	0.01	1.0E-08	5.3E-01	4.4E-03	1.0E-03	2.4E-06	1.6E-01	2.7E-02	1.0E-08
16	0.01	1.0E-08	5.3E-01	4.4E-03	1.0E-03	2.4E-06	1.6E-01	2.7E-02	1.0E-08
17	0.00	4.5E-09	2.3E-01	4.4E-03	1.0E-03	1.0E-06	1.6E-01	2.7E-02	4.5E-09
18	0.01	5.0E-09	2.6E-01	4.4E-03	1.0E-03	1.2E-06	1.6E-01	2.7E-02	5.0E-09
19	0.01	5.6E-09	2.8E-01	4.4E-03	1.0E-03	1.3E-06	1.6E-01	2.7E-02	5.6E-09
20	0.01	6.2E-09	3.2E-01	4.4E-03	1.0E-03	1.4E-06	1.6E-01	2.7E-02	6.2E-09
21	0.01	6.9E-09	3.5E-01	4.4E-03	1.0E-03	1.6E-06	1.6E-01	2.7E-02	6.9E-09
22	0.01	7.5E-09	3.8E-01	4.4E-03	1.0E-03	1.7E-06	1.6E-01	2.7E-02	7.5E-09
23	0.01	8.2E-09	4.2E-01	4.4E-03	1.0E-03	1.9E-06	1.6E-01	2.7E-02	8.2E-09
24	0.01	8.7E-09	4.4E-01	4.4E-03	1.0E-03	2.0E-06	1.6E-01	2.7E-02	8.7E-09
25	0.01	9.4E-09	4.8E-01	4.4E-03	1.0E-03	2.2E-06	1.6E-01	2.7E-02	9.4E-09
26	0.01	1.0E-08	5.1E-01	4.4E-03	1.0E-03	2.3E-06	1.6E-01	2.7E-02	1.0E-08
27	0.01	1.1E-08	5.6E-01	4.4E-03	1.0E-03	2.5E-06	1.6E-01	2.7E-02	1.1E-08
28	0.01	1.2E-08	6.0E-01	4.4E-03	1.0E-03	2.7E-06	1.6E-01	2.7E-02	1.2E-08
29	0.01	1.2E-08	6.4E-01	4.4E-03	1.0E-03	2.9E-06	1.6E-01	2.7E-02	1.2E-08
30	0.01	1.3E-08	6.6E-01	4.4E-03	1.0E-03	3.0E-06	1.6E-01	2.7E-02	1.3E-08
31	0.01	1.3E-08	6.7E-01	4.4E-03	1.0E-03	3.0E-06	1.6E-01	2.7E-02	1.3E-08
32	0.01	1.3E-08	6.6E-01	4.4E-03	1.0E-03	3.0E-06	1.6E-01	2.7E-02	1.3E-08
33	0.01	5.1E-09	2.6E-01	4.4E-03	1.0E-03	1.2E-06	1.6E-01	2.7E-02	5.1E-09
34	0.01	5.7E-09	2.9E-01	4.4E-03	1.0E-03	1.3E-06	1.6E-01	2.7E-02	5.7E-09
35	0.01	6.5E-09	3.3E-01	4.4E-03	1.0E-03	1.5E-06	1.6E-01	2.7E-02	6.5E-09
36	0.01	7.4E-09	3.8E-01	4.4E-03	1.0E-03	1.7E-06	1.6E-01	2.7E-02	7.4E-09
37	0.01	8.3E-09	4.3E-01	4.4E-03	1.0E-03	1.9E-06	1.6E-01	2.7E-02	8.3E-09
38	0.01	9.3E-09	4.7E-01	4.4E-03	1.0E-03	2.2E-06	1.6E-01	2.7E-02	9.3E-09
39	0.01	1.0E-08	5.2E-01	4.4E-03	1.0E-03	2.4E-06	1.6E-01	2.7E-02	1.0E-08
40	0.01	1.1E-08	5.7E-01	4.4E-03	1.0E-03	2.6E-06	1.6E-01	2.7E-02	1.1E-08
41	0.01	1.2E-08	6.2E-01	4.4E-03	1.0E-03	2.8E-06	1.6E-01	2.7E-02	1.2E-08
42	0.01	1.3E-08	6.7E-01	4.4E-03	1.0E-03	3.1E-06	1.6E-01	2.7E-02	1.3E-08
43	0.01	1.5E-08	7.4E-01	4.4E-03	1.0E-03	3.4E-06	1.6E-01	2.7E-02	1.5E-08

44	0.02	1.6E-08	8.0E-01	4.4E-03	1.0E-03	3.7E-06	1.6E-01	2.7E-02	1.6E-08
45	0.02	1.7E-08	8.4E-01	4.4E-03	1.0E-03	3.8E-06	1.6E-01	2.7E-02	1.7E-08
46	0.02	1.7E-08	8.6E-01	4.4E-03	1.0E-03	3.9E-06	1.6E-01	2.7E-02	1.7E-08
47	0.02	1.7E-08	8.5E-01	4.4E-03	1.0E-03	3.9E-06	1.6E-01	2.7E-02	1.7E-08
48	0.02	1.6E-08	8.2E-01	4.4E-03	1.0E-03	3.7E-06	1.6E-01	2.7E-02	1.6E-08
49	0.01	5.7E-09	2.9E-01	4.4E-03	1.0E-03	1.3E-06	1.6E-01	2.7E-02	5.7E-09
50	0.01	6.6E-09	3.4E-01	4.4E-03	1.0E-03	1.5E-06	1.6E-01	2.7E-02	6.6E-09
51	0.01	7.7E-09	3.9E-01	4.4E-03	1.0E-03	1.8E-06	1.6E-01	2.7E-02	7.7E-09
52	0.01	8.9E-09	4.5E-01	4.4E-03	1.0E-03	2.1E-06	1.6E-01	2.7E-02	8.9E-09
53	0.01	1.0E-08	5.3E-01	4.4E-03	1.0E-03	2.4E-06	1.6E-01	2.7E-02	1.0E-08
54	0.01	1.2E-08	6.0E-01	4.4E-03	1.0E-03	2.7E-06	1.6E-01	2.7E-02	1.2E-08
55	0.01	1.3E-08	6.8E-01	4.4E-03	1.0E-03	3.1E-06	1.6E-01	2.7E-02	1.3E-08
56	0.01	1.5E-08	7.5E-01	4.4E-03	1.0E-03	3.4E-06	1.6E-01	2.7E-02	1.5E-08
57	0.02	1.6E-08	8.3E-01	4.4E-03	1.0E-03	3.8E-06	1.6E-01	2.7E-02	1.6E-08
58	0.02	1.8E-08	9.2E-01	4.4E-03	1.0E-03	4.2E-06	1.6E-01	2.7E-02	1.8E-08
59	0.02	2.0E-08	1.0E+00	4.4E-03	1.0E-03	4.8E-06	1.6E-01	2.7E-02	2.0E-08
60	0.02	2.2E-08	1.1E+00	4.4E-03	1.0E-03	5.1E-06	1.6E-01	2.7E-02	2.2E-08
61	0.02	2.3E-08	1.1E+00	4.4E-03	1.0E-03	5.2E-06	1.6E-01	2.7E-02	2.3E-08
62	0.02	2.2E-08	1.1E+00	4.4E-03	1.0E-03	5.2E-06	1.6E-01	2.7E-02	2.2E-08
63	0.02	2.1E-08	1.1E+00	4.4E-03	1.0E-03	4.9E-06	1.6E-01	2.7E-02	2.1E-08
64	0.02	2.0E-08	1.0E+00	4.4E-03	1.0E-03	4.6E-06	1.6E-01	2.7E-02	2.0E-08
65	0.01	6.4E-09	3.3E-01	4.4E-03	1.0E-03	1.5E-06	1.6E-01	2.7E-02	6.4E-09
66	0.01	7.6E-09	3.9E-01	4.4E-03	1.0E-03	1.8E-06	1.6E-01	2.7E-02	7.6E-09
67	0.01	9.1E-09	4.6E-01	4.4E-03	1.0E-03	2.1E-06	1.6E-01	2.7E-02	9.1E-09
68	0.01	1.1E-08	5.6E-01	4.4E-03	1.0E-03	2.5E-06	1.6E-01	2.7E-02	1.1E-08
69	0.01	1.3E-08	6.7E-01	4.4E-03	1.0E-03	3.0E-06	1.6E-01	2.7E-02	1.3E-08
70	0.02	1.6E-08	7.9E-01	4.4E-03	1.0E-03	3.6E-06	1.6E-01	2.7E-02	1.6E-08
71	0.02	1.8E-08	9.3E-01	4.4E-03	1.0E-03	4.2E-06	1.6E-01	2.7E-02	1.8E-08
72	0.02	2.1E-08	1.0E+00	4.4E-03	1.0E-03	4.8E-06	1.6E-01	2.7E-02	2.1E-08
73	0.02	2.3E-08	1.2E+00	4.4E-03	1.0E-03	5.5E-06	1.6E-01	2.7E-02	2.3E-08
74	0.03	2.7E-08	1.4E+00	4.4E-03	1.0E-03	6.3E-06	1.6E-01	2.7E-02	2.7E-08
75	0.03	3.0E-08	1.5E+00	4.4E-03	1.0E-03	7.0E-06	1.6E-01	2.7E-02	3.0E-08
76	0.03	3.2E-08	1.6E+00	4.4E-03	1.0E-03	7.4E-06	1.6E-01	2.7E-02	3.2E-08
77	0.03	3.1E-08	1.6E+00	4.4E-03	1.0E-03	7.3E-06	1.6E-01	2.7E-02	3.1E-08
78	0.03	2.9E-08	1.5E+00	4.4E-03	1.0E-03	6.8E-06	1.6E-01	2.7E-02	2.9E-08
79	0.03	2.7E-08	1.4E+00	4.4E-03	1.0E-03	6.2E-06	1.6E-01	2.7E-02	2.7E-08
80	0.02	2.4E-08	1.2E+00	4.4E-03	1.0E-03	5.5E-06	1.6E-01	2.7E-02	2.4E-08
81	0.01	7.2E-09	3.7E-01	4.4E-03	1.0E-03	1.7E-06	1.6E-01	2.7E-02	7.2E-09
82	0.01	8.7E-09	4.4E-01	4.4E-03	1.0E-03	2.0E-06	1.6E-01	2.7E-02	8.7E-09
83	0.01	1.1E-08	5.5E-01	4.4E-03	1.0E-03	2.5E-06	1.6E-01	2.7E-02	1.1E-08
84	0.01	1.3E-08	6.8E-01	4.4E-03	1.0E-03	3.1E-06	1.6E-01	2.7E-02	1.3E-08
85	0.02	1.7E-08	8.6E-01	4.4E-03	1.0E-03	3.9E-06	1.6E-01	2.7E-02	1.7E-08
86	0.02	2.1E-08	1.1E+00	4.4E-03	1.0E-03	4.9E-06	1.6E-01	2.7E-02	2.1E-08
87	0.03	2.6E-08	1.3E+00	4.4E-03	1.0E-03	6.1E-06	1.6E-01	2.7E-02	2.6E-08
88	0.03	3.1E-08	1.6E+00	4.4E-03	1.0E-03	7.3E-06	1.6E-01	2.7E-02	3.1E-08
89	0.04	3.7E-08	1.9E+00	4.4E-03	1.0E-03	8.7E-06	1.6E-01	2.7E-02	3.7E-08
90	0.04	4.4E-08	2.3E+00	4.4E-03	1.0E-03	1.0E-05	1.6E-01	2.7E-02	4.4E-08
91	0.05	4.8E-08	2.4E+00	4.4E-03	1.0E-03	1.1E-05	1.6E-01	2.7E-02	4.8E-08
92	0.05	4.7E-08	2.4E+00	4.4E-03	1.0E-03	1.1E-05	1.6E-01	2.7E-02	4.7E-08

93	0.04	4.3E-08	2.2E+00	4.4E-03	1.0E-03	1.0E-05	1.6E-01	2.7E-02	4.3E-08
94	0.04	3.8E-08	1.9E+00	4.4E-03	1.0E-03	8.8E-06	1.6E-01	2.7E-02	3.8E-08
95	0.03	3.2E-08	1.6E+00	4.4E-03	1.0E-03	7.5E-06	1.6E-01	2.7E-02	3.2E-08
96	0.03	2.7E-08	1.4E+00	4.4E-03	1.0E-03	6.3E-06	1.6E-01	2.7E-02	2.7E-08
97	0.01	7.9E-09	4.0E-01	4.4E-03	1.0E-03	1.8E-06	1.6E-01	2.7E-02	7.9E-09
98	0.01	9.8E-09	5.0E-01	4.4E-03	1.0E-03	2.3E-06	1.6E-01	2.7E-02	9.8E-09
99	0.01	1.3E-08	6.4E-01	4.4E-03	1.0E-03	2.9E-06	1.6E-01	2.7E-02	1.3E-08
100	0.02	1.6E-08	8.4E-01	4.4E-03	1.0E-03	3.8E-06	1.6E-01	2.7E-02	1.6E-08
101	0.02	2.2E-08	1.1E+00	4.4E-03	1.0E-03	5.1E-06	1.6E-01	2.7E-02	2.2E-08
102	0.03	3.0E-08	1.5E+00	4.4E-03	1.0E-03	7.0E-06	1.6E-01	2.7E-02	3.0E-08
103	0.04	4.1E-08	2.1E+00	4.4E-03	1.0E-03	9.5E-06	1.6E-01	2.7E-02	4.1E-08
104	0.05	5.4E-08	2.8E+00	4.4E-03	1.0E-03	1.3E-05	1.6E-01	2.7E-02	5.4E-08
105	0.07	6.9E-08	3.5E+00	4.4E-03	1.0E-03	1.6E-05	1.6E-01	2.7E-02	6.9E-08
106	0.08	8.1E-08	4.1E+00	4.4E-03	1.0E-03	1.9E-05	1.6E-01	2.7E-02	8.1E-08
107	0.08	7.9E-08	4.0E+00	4.4E-03	1.0E-03	1.8E-05	1.6E-01	2.7E-02	7.9E-08
108	0.07	6.9E-08	3.5E+00	4.4E-03	1.0E-03	1.6E-05	1.6E-01	2.7E-02	6.9E-08
109	0.06	5.7E-08	2.9E+00	4.4E-03	1.0E-03	1.3E-05	1.6E-01	2.7E-02	5.7E-08
110	0.05	4.6E-08	2.4E+00	4.4E-03	1.0E-03	1.1E-05	1.6E-01	2.7E-02	4.6E-08
111	0.04	3.7E-08	1.9E+00	4.4E-03	1.0E-03	8.6E-06	1.6E-01	2.7E-02	3.7E-08
112	0.03	3.0E-08	1.5E+00	4.4E-03	1.0E-03	7.0E-06	1.6E-01	2.7E-02	3.0E-08
113	0.01	8.6E-09	4.4E-01	4.4E-03	1.0E-03	2.0E-06	1.6E-01	2.7E-02	8.6E-09
114	0.01	1.1E-08	5.6E-01	4.4E-03	1.0E-03	2.5E-06	1.6E-01	2.7E-02	1.1E-08
115	0.01	1.4E-08	7.4E-01	4.4E-03	1.0E-03	3.4E-06	1.6E-01	2.7E-02	1.4E-08
116	0.02	2.0E-08	1.0E+00	4.4E-03	1.0E-03	4.6E-06	1.6E-01	2.7E-02	2.0E-08
117	0.03	2.9E-08	1.5E+00	4.4E-03	1.0E-03	6.7E-06	1.6E-01	2.7E-02	2.9E-08
118	0.17	1.7E-07	8.4E+00	4.4E-03	1.0E-03	3.8E-05	1.6E-01	2.7E-02	1.7E-07
119	0.13	1.3E-07	6.6E+00	4.4E-03	1.0E-03	3.0E-05	1.6E-01	2.7E-02	1.3E-07
120	0.10	9.6E-08	4.9E+00	4.4E-03	1.0E-03	2.2E-05	1.6E-01	2.7E-02	9.6E-08
121	0.07	7.1E-08	3.6E+00	4.4E-03	1.0E-03	1.7E-05	1.6E-01	2.7E-02	7.1E-08
122	0.05	5.3E-08	2.7E+00	4.4E-03	1.0E-03	1.2E-05	1.6E-01	2.7E-02	5.3E-08
123	0.04	4.0E-08	2.0E+00	4.4E-03	1.0E-03	9.3E-06	1.6E-01	2.7E-02	4.0E-08
124	0.03	3.1E-08	1.6E+00	4.4E-03	1.0E-03	7.2E-06	1.6E-01	2.7E-02	3.1E-08
125	0.01	9.1E-09	4.6E-01	4.4E-03	1.0E-03	2.1E-06	1.6E-01	2.7E-02	9.1E-09
126	0.01	1.2E-08	6.0E-01	4.4E-03	1.0E-03	2.7E-06	1.6E-01	2.7E-02	1.2E-08
127	0.02	1.6E-08	8.1E-01	4.4E-03	1.0E-03	3.7E-06	1.6E-01	2.7E-02	1.6E-08
128	0.02	2.3E-08	1.2E+00	4.4E-03	1.0E-03	5.3E-06	1.6E-01	2.7E-02	2.3E-08
129	0.04	3.6E-08	1.8E+00	4.4E-03	1.0E-03	8.2E-06	1.6E-01	2.7E-02	3.6E-08
130	0.32	3.2E-07	1.6E+01	4.4E-03	1.0E-03	7.4E-05	1.6E-01	2.7E-02	3.2E-07
131	0.19	1.9E-07	9.6E+00	4.4E-03	1.0E-03	4.4E-05	1.6E-01	2.7E-02	1.9E-07
132	0.12	1.2E-07	6.0E+00	4.4E-03	1.0E-03	2.7E-05	1.6E-01	2.7E-02	1.2E-07
133	0.08	7.9E-08	4.0E+00	4.4E-03	1.0E-03	1.8E-05	1.6E-01	2.7E-02	7.9E-08
134	0.05	5.5E-08	2.8E+00	4.4E-03	1.0E-03	1.3E-05	1.6E-01	2.7E-02	5.5E-08
135	0.04	4.0E-08	2.0E+00	4.4E-03	1.0E-03	9.2E-06	1.6E-01	2.7E-02	4.0E-08
136	0.03	3.0E-08	1.5E+00	4.4E-03	1.0E-03	6.9E-06	1.6E-01	2.7E-02	3.0E-08
137	0.01	9.3E-09	4.7E-01	4.4E-03	1.0E-03	2.2E-06	1.6E-01	2.7E-02	9.3E-09
138	0.01	1.2E-08	6.2E-01	4.4E-03	1.0E-03	2.8E-06	1.6E-01	2.7E-02	1.2E-08
139	0.02	1.7E-08	8.5E-01	4.4E-03	1.0E-03	3.9E-06	1.6E-01	2.7E-02	1.7E-08
140	0.02	2.5E-08	1.3E+00	4.4E-03	1.0E-03	5.7E-06	1.6E-01	2.7E-02	2.5E-08
141	0.04	3.9E-08	2.0E+00	4.4E-03	1.0E-03	9.1E-06	1.6E-01	2.7E-02	3.9E-08

142	0.45	4.5E-07	2.3E+01	4.4E-03	1.0E-03	1.0E-04	1.6E-01	2.7E-02	4.5E-07
143	0.22	2.2E-07	1.1E+01	4.4E-03	1.0E-03	5.1E-05	1.6E-01	2.7E-02	2.2E-07
144	0.12	1.2E-07	6.2E+00	4.4E-03	1.0E-03	2.8E-05	1.6E-01	2.7E-02	1.2E-07
145	0.08	7.7E-08	3.9E+00	4.4E-03	1.0E-03	1.8E-05	1.6E-01	2.7E-02	7.7E-08
146	0.05	5.1E-08	2.6E+00	4.4E-03	1.0E-03	1.2E-05	1.6E-01	2.7E-02	5.1E-08
147	0.04	3.6E-08	1.8E+00	4.4E-03	1.0E-03	8.4E-06	1.6E-01	2.7E-02	3.6E-08
148	0.03	2.7E-08	1.4E+00	4.4E-03	1.0E-03	6.2E-06	1.6E-01	2.7E-02	2.7E-08
149	0.01	9.2E-09	4.7E-01	4.4E-03	1.0E-03	2.1E-06	1.6E-01	2.7E-02	9.2E-09
150	0.01	1.2E-08	6.1E-01	4.4E-03	1.0E-03	2.8E-06	1.6E-01	2.7E-02	1.2E-08
151	0.02	1.6E-08	8.4E-01	4.4E-03	1.0E-03	3.8E-06	1.6E-01	2.7E-02	1.6E-08
152	0.02	2.4E-08	1.2E+00	4.4E-03	1.0E-03	5.6E-06	1.6E-01	2.7E-02	2.4E-08
153	0.04	3.8E-08	1.9E+00	4.4E-03	1.0E-03	8.9E-06	1.6E-01	2.7E-02	3.8E-08
154	0.65	6.5E-07	3.3E+01	4.4E-03	1.0E-03	1.5E-04	1.6E-01	2.7E-02	6.5E-07
155	0.20	2.0E-07	1.0E+01	4.4E-03	1.0E-03	4.7E-05	1.6E-01	2.7E-02	2.0E-07
156	0.10	1.0E-07	5.1E+00	4.4E-03	1.0E-03	2.3E-05	1.6E-01	2.7E-02	1.0E-07
157	0.07	6.5E-08	3.3E+00	4.4E-03	1.0E-03	1.5E-05	1.6E-01	2.7E-02	6.5E-08
158	0.04	4.4E-08	2.2E+00	4.4E-03	1.0E-03	1.0E-05	1.6E-01	2.7E-02	4.4E-08
159	0.03	3.1E-08	1.6E+00	4.4E-03	1.0E-03	7.2E-06	1.6E-01	2.7E-02	3.1E-08
160	0.02	2.3E-08	1.2E+00	4.4E-03	1.0E-03	5.4E-06	1.6E-01	2.7E-02	2.3E-08
161	0.01	8.4E-09	4.3E-01	4.4E-03	1.0E-03	2.0E-06	1.6E-01	2.7E-02	8.4E-09
162	0.01	1.1E-08	5.6E-01	4.4E-03	1.0E-03	2.5E-06	1.6E-01	2.7E-02	1.1E-08
163	0.01	1.5E-08	7.4E-01	4.4E-03	1.0E-03	3.4E-06	1.6E-01	2.7E-02	1.5E-08
164	0.02	2.1E-08	1.1E+00	4.4E-03	1.0E-03	5.0E-06	1.6E-01	2.7E-02	2.1E-08
165	0.03	3.4E-08	1.7E+00	4.4E-03	1.0E-03	7.8E-06	1.6E-01	2.7E-02	3.4E-08
166	0.06	5.8E-08	3.0E+00	4.4E-03	1.0E-03	1.4E-05	1.6E-01	2.7E-02	5.8E-08
167	0.12	1.2E-07	6.1E+00	4.4E-03	1.0E-03	2.8E-05	1.6E-01	2.7E-02	1.2E-07
168	0.29	2.9E-07	1.5E+01	4.4E-03	1.0E-03	6.7E-05	1.6E-01	2.7E-02	2.9E-07
169	0.43	4.3E-07	2.2E+01	4.4E-03	1.0E-03	1.0E-04	1.6E-01	2.7E-02	4.3E-07
170	0.28	2.8E-07	1.4E+01	4.4E-03	1.0E-03	6.5E-05	1.6E-01	2.7E-02	2.8E-07
171	0.14	1.4E-07	7.1E+00	4.4E-03	1.0E-03	3.2E-05	1.6E-01	2.7E-02	1.4E-07
172	0.07	7.3E-08	3.7E+00	4.4E-03	1.0E-03	1.7E-05	1.6E-01	2.7E-02	7.3E-08
173	0.05	4.8E-08	2.5E+00	4.4E-03	1.0E-03	1.1E-05	1.6E-01	2.7E-02	4.8E-08
174	0.04	3.6E-08	1.8E+00	4.4E-03	1.0E-03	8.3E-06	1.6E-01	2.7E-02	3.6E-08
175	0.03	2.6E-08	1.3E+00	4.4E-03	1.0E-03	6.1E-06	1.6E-01	2.7E-02	2.6E-08
176	0.02	2.0E-08	1.0E+00	4.4E-03	1.0E-03	4.6E-06	1.6E-01	2.7E-02	2.0E-08
177	0.01	7.8E-09	4.0E-01	4.4E-03	1.0E-03	1.8E-06	1.6E-01	2.7E-02	7.8E-09
178	0.01	9.9E-09	5.1E-01	4.4E-03	1.0E-03	2.3E-06	1.6E-01	2.7E-02	9.9E-09
179	0.01	1.3E-08	6.6E-01	4.4E-03	1.0E-03	3.0E-06	1.6E-01	2.7E-02	1.3E-08
180	0.02	1.9E-08	9.6E-01	4.4E-03	1.0E-03	4.4E-06	1.6E-01	2.7E-02	1.9E-08
181	0.03	2.7E-08	1.4E+00	4.4E-03	1.0E-03	6.4E-06	1.6E-01	2.7E-02	2.7E-08
182	0.04	4.2E-08	2.2E+00	4.4E-03	1.0E-03	9.9E-06	1.6E-01	2.7E-02	4.2E-08
183	0.07	7.1E-08	3.6E+00	4.4E-03	1.0E-03	1.6E-05	1.6E-01	2.7E-02	7.1E-08
184	0.11	1.1E-07	5.8E+00	4.4E-03	1.0E-03	2.6E-05	1.6E-01	2.7E-02	1.1E-07
185	0.14	1.4E-07	7.4E+00	4.4E-03	1.0E-03	3.4E-05	1.6E-01	2.7E-02	1.4E-07
186	0.13	1.3E-07	6.4E+00	4.4E-03	1.0E-03	2.9E-05	1.6E-01	2.7E-02	1.3E-07
187	0.09	8.8E-08	4.5E+00	4.4E-03	1.0E-03	2.0E-05	1.6E-01	2.7E-02	8.8E-08
188	0.06	5.9E-08	3.0E+00	4.4E-03	1.0E-03	1.4E-05	1.6E-01	2.7E-02	5.9E-08
189	0.04	3.8E-08	1.9E+00	4.4E-03	1.0E-03	8.8E-06	1.6E-01	2.7E-02	3.8E-08
190	0.03	2.9E-08	1.5E+00	4.4E-03	1.0E-03	6.8E-06	1.6E-01	2.7E-02	2.9E-08

191	0.02	2.2E-08	1.1E+00	4.4E-03	1.0E-03	5.2E-06	1.6E-01	2.7E-02	2.2E-08
192	0.02	1.7E-08	8.8E-01	4.4E-03	1.0E-03	4.0E-06	1.6E-01	2.7E-02	1.7E-08
193	0.01	7.2E-09	3.7E-01	4.4E-03	1.0E-03	1.7E-06	1.6E-01	2.7E-02	7.2E-09
194	0.01	9.2E-09	4.7E-01	4.4E-03	1.0E-03	2.1E-06	1.6E-01	2.7E-02	9.2E-09
195	0.01	1.2E-08	6.2E-01	4.4E-03	1.0E-03	2.8E-06	1.6E-01	2.7E-02	1.2E-08
196	0.02	1.6E-08	8.1E-01	4.4E-03	1.0E-03	3.7E-06	1.6E-01	2.7E-02	1.6E-08
197	0.02	2.2E-08	1.1E+00	4.4E-03	1.0E-03	5.1E-06	1.6E-01	2.7E-02	2.2E-08
198	0.03	3.1E-08	1.6E+00	4.4E-03	1.0E-03	7.2E-06	1.6E-01	2.7E-02	3.1E-08
199	0.05	4.5E-08	2.3E+00	4.4E-03	1.0E-03	1.0E-05	1.6E-01	2.7E-02	4.5E-08
200	0.06	6.2E-08	3.1E+00	4.4E-03	1.0E-03	1.4E-05	1.6E-01	2.7E-02	6.2E-08
201	0.07	7.3E-08	3.7E+00	4.4E-03	1.0E-03	1.7E-05	1.6E-01	2.7E-02	7.3E-08
202	0.07	7.0E-08	3.5E+00	4.4E-03	1.0E-03	1.6E-05	1.6E-01	2.7E-02	7.0E-08
203	0.05	5.4E-08	2.8E+00	4.4E-03	1.0E-03	1.3E-05	1.6E-01	2.7E-02	5.4E-08
204	0.04	4.2E-08	2.1E+00	4.4E-03	1.0E-03	9.8E-06	1.6E-01	2.7E-02	4.2E-08
205	0.03	3.2E-08	1.6E+00	4.4E-03	1.0E-03	7.3E-06	1.6E-01	2.7E-02	3.2E-08
206	0.02	2.3E-08	1.2E+00	4.4E-03	1.0E-03	5.4E-06	1.6E-01	2.7E-02	2.3E-08
207	0.02	1.9E-08	9.9E-01	4.4E-03	1.0E-03	4.5E-06	1.6E-01	2.7E-02	1.9E-08
208	0.02	1.5E-08	7.9E-01	4.4E-03	1.0E-03	3.6E-06	1.6E-01	2.7E-02	1.5E-08
209	0.01	6.9E-09	3.5E-01	4.4E-03	1.0E-03	1.6E-06	1.6E-01	2.7E-02	6.9E-09
210	0.01	8.5E-09	4.3E-01	4.4E-03	1.0E-03	2.0E-06	1.6E-01	2.7E-02	8.5E-09
211	0.01	1.1E-08	5.4E-01	4.4E-03	1.0E-03	2.4E-06	1.6E-01	2.7E-02	1.1E-08
212	0.01	1.3E-08	6.8E-01	4.4E-03	1.0E-03	3.1E-06	1.6E-01	2.7E-02	1.3E-08
213	0.02	1.7E-08	8.8E-01	4.4E-03	1.0E-03	4.0E-06	1.6E-01	2.7E-02	1.7E-08
214	0.02	2.3E-08	1.2E+00	4.4E-03	1.0E-03	5.4E-06	1.6E-01	2.7E-02	2.3E-08
215	0.03	3.1E-08	1.6E+00	4.4E-03	1.0E-03	7.2E-06	1.6E-01	2.7E-02	3.1E-08
216	0.04	3.9E-08	2.0E+00	4.4E-03	1.0E-03	9.0E-06	1.6E-01	2.7E-02	3.9E-08
217	0.04	4.4E-08	2.3E+00	4.4E-03	1.0E-03	1.0E-05	1.6E-01	2.7E-02	4.4E-08
218	0.04	4.4E-08	2.2E+00	4.4E-03	1.0E-03	1.0E-05	1.6E-01	2.7E-02	4.4E-08
219	0.04	4.0E-08	2.0E+00	4.4E-03	1.0E-03	9.3E-06	1.6E-01	2.7E-02	4.0E-08
220	0.03	3.4E-08	1.7E+00	4.4E-03	1.0E-03	7.9E-06	1.6E-01	2.7E-02	3.4E-08
221	0.03	2.7E-08	1.4E+00	4.4E-03	1.0E-03	6.3E-06	1.6E-01	2.7E-02	2.7E-08
222	0.02	2.0E-08	1.0E+00	4.4E-03	1.0E-03	4.6E-06	1.6E-01	2.7E-02	2.0E-08
223	0.02	1.6E-08	8.1E-01	4.4E-03	1.0E-03	3.7E-06	1.6E-01	2.7E-02	1.6E-08
224	0.01	1.4E-08	7.1E-01	4.4E-03	1.0E-03	3.2E-06	1.6E-01	2.7E-02	1.4E-08
225	0.01	6.3E-09	3.2E-01	4.4E-03	1.0E-03	1.5E-06	1.6E-01	2.7E-02	6.3E-09
226	0.01	7.5E-09	3.8E-01	4.4E-03	1.0E-03	1.7E-06	1.6E-01	2.7E-02	7.5E-09
227	0.01	9.1E-09	4.6E-01	4.4E-03	1.0E-03	2.1E-06	1.6E-01	2.7E-02	9.1E-09
228	0.01	1.1E-08	5.7E-01	4.4E-03	1.0E-03	2.6E-06	1.6E-01	2.7E-02	1.1E-08
229	0.01	1.4E-08	7.2E-01	4.4E-03	1.0E-03	3.3E-06	1.6E-01	2.7E-02	1.4E-08
230	0.02	1.8E-08	9.2E-01	4.4E-03	1.0E-03	4.2E-06	1.6E-01	2.7E-02	1.8E-08
231	0.02	2.3E-08	1.1E+00	4.4E-03	1.0E-03	5.2E-06	1.6E-01	2.7E-02	2.3E-08
232	0.03	2.7E-08	1.4E+00	4.4E-03	1.0E-03	6.3E-06	1.6E-01	2.7E-02	2.7E-08
233	0.03	3.0E-08	1.5E+00	4.4E-03	1.0E-03	7.0E-06	1.6E-01	2.7E-02	3.0E-08
234	0.03	3.1E-08	1.6E+00	4.4E-03	1.0E-03	7.2E-06	1.6E-01	2.7E-02	3.1E-08
235	0.03	2.9E-08	1.5E+00	4.4E-03	1.0E-03	6.8E-06	1.6E-01	2.7E-02	2.9E-08
236	0.03	2.6E-08	1.3E+00	4.4E-03	1.0E-03	6.0E-06	1.6E-01	2.7E-02	2.6E-08
237	0.02	2.2E-08	1.1E+00	4.4E-03	1.0E-03	5.1E-06	1.6E-01	2.7E-02	2.2E-08
238	0.02	1.8E-08	9.3E-01	4.4E-03	1.0E-03	4.2E-06	1.6E-01	2.7E-02	1.8E-08
239	0.01	1.4E-08	7.1E-01	4.4E-03	1.0E-03	3.2E-06	1.6E-01	2.7E-02	1.4E-08

240	0.01	1.2E-08	5.9E-01	4.4E-03	1.0E-03	2.7E-06	1.6E-01	2.7E-02	1.2E-08
241	0.01	5.6E-09	2.9E-01	4.4E-03	1.0E-03	1.3E-06	1.6E-01	2.7E-02	5.6E-09
242	0.01	6.6E-09	3.4E-01	4.4E-03	1.0E-03	1.5E-06	1.6E-01	2.7E-02	6.6E-09
243	0.01	7.8E-09	4.0E-01	4.4E-03	1.0E-03	1.8E-06	1.6E-01	2.7E-02	7.8E-09
244	0.01	9.4E-09	4.8E-01	4.4E-03	1.0E-03	2.2E-06	1.6E-01	2.7E-02	9.4E-09
245	0.01	1.2E-08	5.9E-01	4.4E-03	1.0E-03	2.7E-06	1.6E-01	2.7E-02	1.2E-08
246	0.01	1.4E-08	7.2E-01	4.4E-03	1.0E-03	3.3E-06	1.6E-01	2.7E-02	1.4E-08
247	0.02	1.7E-08	8.7E-01	4.4E-03	1.0E-03	4.0E-06	1.6E-01	2.7E-02	1.7E-08
248	0.02	2.0E-08	1.0E+00	4.4E-03	1.0E-03	4.6E-06	1.6E-01	2.7E-02	2.0E-08
249	0.02	2.2E-08	1.1E+00	4.4E-03	1.0E-03	5.1E-06	1.6E-01	2.7E-02	2.2E-08
250	0.02	2.3E-08	1.1E+00	4.4E-03	1.0E-03	5.2E-06	1.6E-01	2.7E-02	2.3E-08
251	0.02	2.2E-08	1.1E+00	4.4E-03	1.0E-03	5.1E-06	1.6E-01	2.7E-02	2.2E-08
252	0.02	2.0E-08	1.0E+00	4.4E-03	1.0E-03	4.7E-06	1.6E-01	2.7E-02	2.0E-08
253	0.02	1.8E-08	9.2E-01	4.4E-03	1.0E-03	4.2E-06	1.6E-01	2.7E-02	1.8E-08
254	0.02	1.6E-08	7.9E-01	4.4E-03	1.0E-03	3.6E-06	1.6E-01	2.7E-02	1.6E-08
255	0.01	1.3E-08	6.6E-01	4.4E-03	1.0E-03	3.0E-06	1.6E-01	2.7E-02	1.3E-08
256	0.01	1.0E-08	5.3E-01	4.4E-03	1.0E-03	2.4E-06	1.6E-01	2.7E-02	1.0E-08
257	0.01	5.0E-09	2.6E-01	4.4E-03	1.0E-03	1.2E-06	1.6E-01	2.7E-02	5.0E-09
258	0.01	5.8E-09	3.0E-01	4.4E-03	1.0E-03	1.4E-06	1.6E-01	2.7E-02	5.8E-09
259	0.01	6.8E-09	3.5E-01	4.4E-03	1.0E-03	1.6E-06	1.6E-01	2.7E-02	6.8E-09
260	0.01	8.1E-09	4.1E-01	4.4E-03	1.0E-03	1.9E-06	1.6E-01	2.7E-02	8.1E-09
261	0.01	9.6E-09	4.9E-01	4.4E-03	1.0E-03	2.2E-06	1.6E-01	2.7E-02	9.6E-09
262	0.01	1.1E-08	5.8E-01	4.4E-03	1.0E-03	2.6E-06	1.6E-01	2.7E-02	1.1E-08
263	0.01	1.3E-08	6.8E-01	4.4E-03	1.0E-03	3.1E-06	1.6E-01	2.7E-02	1.3E-08
264	0.02	1.5E-08	7.7E-01	4.4E-03	1.0E-03	3.5E-06	1.6E-01	2.7E-02	1.5E-08
265	0.02	1.7E-08	8.4E-01	4.4E-03	1.0E-03	3.8E-06	1.6E-01	2.7E-02	1.7E-08
266	0.02	1.7E-08	8.7E-01	4.4E-03	1.0E-03	4.0E-06	1.6E-01	2.7E-02	1.7E-08
267	0.02	1.7E-08	8.6E-01	4.4E-03	1.0E-03	3.9E-06	1.6E-01	2.7E-02	1.7E-08
268	0.02	1.6E-08	8.2E-01	4.4E-03	1.0E-03	3.7E-06	1.6E-01	2.7E-02	1.6E-08
269	0.01	1.5E-08	7.5E-01	4.4E-03	1.0E-03	3.4E-06	1.6E-01	2.7E-02	1.5E-08
270	0.01	1.3E-08	6.7E-01	4.4E-03	1.0E-03	3.1E-06	1.6E-01	2.7E-02	1.3E-08
271	0.01	1.1E-08	5.8E-01	4.4E-03	1.0E-03	2.7E-06	1.6E-01	2.7E-02	1.1E-08
272	0.01	9.3E-09	4.8E-01	4.4E-03	1.0E-03	2.2E-06	1.6E-01	2.7E-02	9.3E-09
273	0.03	3.0E-08	1.5E+00	4.4E-03	1.0E-03	7.0E-06	1.6E-01	2.7E-02	3.0E-08
274	0.03	3.2E-08	1.6E+00	4.4E-03	1.0E-03	7.4E-06	1.6E-01	2.7E-02	3.2E-08
275	0.03	3.4E-08	1.7E+00	4.4E-03	1.0E-03	7.9E-06	1.6E-01	2.7E-02	3.4E-08
276	0.04	3.6E-08	1.8E+00	4.4E-03	1.0E-03	8.4E-06	1.6E-01	2.7E-02	3.6E-08
277	0.04	3.9E-08	2.0E+00	4.4E-03	1.0E-03	9.0E-06	1.6E-01	2.7E-02	3.9E-08
278	0.04	4.1E-08	2.1E+00	4.4E-03	1.0E-03	9.5E-06	1.6E-01	2.7E-02	4.1E-08
279	0.04	4.3E-08	2.2E+00	4.4E-03	1.0E-03	1.0E-05	1.6E-01	2.7E-02	4.3E-08
280	0.05	4.6E-08	2.3E+00	4.4E-03	1.0E-03	1.1E-05	1.6E-01	2.7E-02	4.6E-08
281	0.05	4.8E-08	2.5E+00	4.4E-03	1.0E-03	1.1E-05	1.6E-01	2.7E-02	4.8E-08
282	0.05	5.1E-08	2.6E+00	4.4E-03	1.0E-03	1.2E-05	1.6E-01	2.7E-02	5.1E-08
283	0.05	5.4E-08	2.8E+00	4.4E-03	1.0E-03	1.3E-05	1.6E-01	2.7E-02	5.4E-08
284	0.06	5.7E-08	2.9E+00	4.4E-03	1.0E-03	1.3E-05	1.6E-01	2.7E-02	5.7E-08
285	0.06	6.0E-08	3.0E+00	4.4E-03	1.0E-03	1.4E-05	1.6E-01	2.7E-02	6.0E-08
286	0.06	6.3E-08	3.2E+00	4.4E-03	1.0E-03	1.5E-05	1.6E-01	2.7E-02	6.3E-08
287	0.07	6.6E-08	3.4E+00	4.4E-03	1.0E-03	1.5E-05	1.6E-01	2.7E-02	6.6E-08
288	0.07	6.9E-08	3.5E+00	4.4E-03	1.0E-03	1.6E-05	1.6E-01	2.7E-02	6.9E-08

289	0.07	7.2E-08	3.7E+00	4.4E-03	1.0E-03	1.7E-05	1.6E-01	2.7E-02	7.2E-08
290	0.08	7.6E-08	3.9E+00	4.4E-03	1.0E-03	1.8E-05	1.6E-01	2.7E-02	7.6E-08
291	0.08	7.8E-08	4.0E+00	4.4E-03	1.0E-03	1.8E-05	1.6E-01	2.7E-02	7.8E-08
292	0.08	8.0E-08	4.1E+00	4.4E-03	1.0E-03	1.9E-05	1.6E-01	2.7E-02	8.0E-08
293	0.08	8.1E-08	4.1E+00	4.4E-03	1.0E-03	1.9E-05	1.6E-01	2.7E-02	8.1E-08
294	0.08	8.1E-08	4.1E+00	4.4E-03	1.0E-03	1.9E-05	1.6E-01	2.7E-02	8.1E-08
295	0.08	8.1E-08	4.1E+00	4.4E-03	1.0E-03	1.9E-05	1.6E-01	2.7E-02	8.1E-08
296	0.08	8.1E-08	4.1E+00	4.4E-03	1.0E-03	1.9E-05	1.6E-01	2.7E-02	8.1E-08
297	0.08	8.0E-08	4.1E+00	4.4E-03	1.0E-03	1.9E-05	1.6E-01	2.7E-02	8.0E-08
298	0.08	7.9E-08	4.0E+00	4.4E-03	1.0E-03	1.8E-05	1.6E-01	2.7E-02	7.9E-08
299	0.03	3.3E-08	1.7E+00	4.4E-03	1.0E-03	7.6E-06	1.6E-01	2.7E-02	3.3E-08
300	0.03	3.5E-08	1.8E+00	4.4E-03	1.0E-03	8.0E-06	1.6E-01	2.7E-02	3.5E-08
301	0.04	3.7E-08	1.9E+00	4.4E-03	1.0E-03	8.6E-06	1.6E-01	2.7E-02	3.7E-08
302	0.04	3.9E-08	2.0E+00	4.4E-03	1.0E-03	9.2E-06	1.6E-01	2.7E-02	3.9E-08
303	0.04	4.2E-08	2.2E+00	4.4E-03	1.0E-03	9.9E-06	1.6E-01	2.7E-02	4.2E-08
304	0.05	4.6E-08	2.3E+00	4.4E-03	1.0E-03	1.1E-05	1.6E-01	2.7E-02	4.6E-08
305	0.05	4.8E-08	2.5E+00	4.4E-03	1.0E-03	1.1E-05	1.6E-01	2.7E-02	4.8E-08
306	0.05	5.1E-08	2.6E+00	4.4E-03	1.0E-03	1.2E-05	1.6E-01	2.7E-02	5.1E-08
307	0.05	5.4E-08	2.8E+00	4.4E-03	1.0E-03	1.3E-05	1.6E-01	2.7E-02	5.4E-08
308	0.06	5.8E-08	3.0E+00	4.4E-03	1.0E-03	1.3E-05	1.6E-01	2.7E-02	5.8E-08
309	0.06	6.2E-08	3.1E+00	4.4E-03	1.0E-03	1.4E-05	1.6E-01	2.7E-02	6.2E-08
310	0.06	6.5E-08	3.3E+00	4.4E-03	1.0E-03	1.5E-05	1.6E-01	2.7E-02	6.5E-08
311	0.07	6.8E-08	3.5E+00	4.4E-03	1.0E-03	1.6E-05	1.6E-01	2.7E-02	6.8E-08
312	0.07	7.2E-08	3.7E+00	4.4E-03	1.0E-03	1.7E-05	1.6E-01	2.7E-02	7.2E-08
313	0.08	7.7E-08	3.9E+00	4.4E-03	1.0E-03	1.8E-05	1.6E-01	2.7E-02	7.7E-08
314	0.08	8.0E-08	4.1E+00	4.4E-03	1.0E-03	1.9E-05	1.6E-01	2.7E-02	8.0E-08
315	0.08	8.4E-08	4.3E+00	4.4E-03	1.0E-03	2.0E-05	1.6E-01	2.7E-02	8.4E-08
316	0.09	8.8E-08	4.5E+00	4.4E-03	1.0E-03	2.0E-05	1.6E-01	2.7E-02	8.8E-08
317	0.09	9.1E-08	4.6E+00	4.4E-03	1.0E-03	2.1E-05	1.6E-01	2.7E-02	9.1E-08
318	0.09	9.2E-08	4.7E+00	4.4E-03	1.0E-03	2.1E-05	1.6E-01	2.7E-02	9.2E-08
319	0.09	9.3E-08	4.7E+00	4.4E-03	1.0E-03	2.2E-05	1.6E-01	2.7E-02	9.3E-08
320	0.09	9.2E-08	4.7E+00	4.4E-03	1.0E-03	2.1E-05	1.6E-01	2.7E-02	9.2E-08
321	0.09	9.2E-08	4.7E+00	4.4E-03	1.0E-03	2.1E-05	1.6E-01	2.7E-02	9.2E-08
322	0.09	9.1E-08	4.6E+00	4.4E-03	1.0E-03	2.1E-05	1.6E-01	2.7E-02	9.1E-08
323	0.09	8.9E-08	4.5E+00	4.4E-03	1.0E-03	2.1E-05	1.6E-01	2.7E-02	8.9E-08
324	0.09	8.7E-08	4.4E+00	4.4E-03	1.0E-03	2.0E-05	1.6E-01	2.7E-02	8.7E-08
325	0.04	3.5E-08	1.8E+00	4.4E-03	1.0E-03	8.2E-06	1.6E-01	2.7E-02	3.5E-08
326	0.04	3.8E-08	1.9E+00	4.4E-03	1.0E-03	8.7E-06	1.6E-01	2.7E-02	3.8E-08
327	0.04	4.0E-08	2.1E+00	4.4E-03	1.0E-03	9.4E-06	1.6E-01	2.7E-02	4.0E-08
328	0.04	4.3E-08	2.2E+00	4.4E-03	1.0E-03	1.0E-05	1.6E-01	2.7E-02	4.3E-08
329	0.05	4.7E-08	2.4E+00	4.4E-03	1.0E-03	1.1E-05	1.6E-01	2.7E-02	4.7E-08
330	0.05	5.1E-08	2.6E+00	4.4E-03	1.0E-03	1.2E-05	1.6E-01	2.7E-02	5.1E-08
331	0.05	5.4E-08	2.7E+00	4.4E-03	1.0E-03	1.3E-05	1.6E-01	2.7E-02	5.4E-08
332	0.06	5.8E-08	2.9E+00	4.4E-03	1.0E-03	1.3E-05	1.6E-01	2.7E-02	5.8E-08
333	0.06	6.2E-08	3.1E+00	4.4E-03	1.0E-03	1.4E-05	1.6E-01	2.7E-02	6.2E-08
334	0.07	6.6E-08	3.4E+00	4.4E-03	1.0E-03	1.5E-05	1.6E-01	2.7E-02	6.6E-08
335	0.07	7.1E-08	3.6E+00	4.4E-03	1.0E-03	1.7E-05	1.6E-01	2.7E-02	7.1E-08
336	0.08	7.5E-08	3.8E+00	4.4E-03	1.0E-03	1.7E-05	1.6E-01	2.7E-02	7.5E-08
337	0.08	8.0E-08	4.1E+00	4.4E-03	1.0E-03	1.9E-05	1.6E-01	2.7E-02	8.0E-08

338	0.08	8.4E-08	4.3E+00	4.4E-03	1.0E-03	2.0E-05	1.6E-01	2.7E-02	8.4E-08
339	0.09	9.0E-08	4.6E+00	4.4E-03	1.0E-03	2.1E-05	1.6E-01	2.7E-02	9.0E-08
340	0.09	9.4E-08	4.8E+00	4.4E-03	1.0E-03	2.2E-05	1.6E-01	2.7E-02	9.4E-08
341	0.10	9.9E-08	5.0E+00	4.4E-03	1.0E-03	2.3E-05	1.6E-01	2.7E-02	9.9E-08
342	0.10	1.0E-07	5.2E+00	4.4E-03	1.0E-03	2.4E-05	1.6E-01	2.7E-02	1.0E-07
343	0.11	1.1E-07	5.4E+00	4.4E-03	1.0E-03	2.5E-05	1.6E-01	2.7E-02	1.1E-07
344	0.11	1.1E-07	5.4E+00	4.4E-03	1.0E-03	2.5E-05	1.6E-01	2.7E-02	1.1E-07
345	0.11	1.1E-07	5.4E+00	4.4E-03	1.0E-03	2.5E-05	1.6E-01	2.7E-02	1.1E-07
346	0.11	1.1E-07	5.4E+00	4.4E-03	1.0E-03	2.5E-05	1.6E-01	2.7E-02	1.1E-07
347	0.10	1.0E-07	5.3E+00	4.4E-03	1.0E-03	2.4E-05	1.6E-01	2.7E-02	1.0E-07
348	0.10	1.0E-07	5.2E+00	4.4E-03	1.0E-03	2.4E-05	1.6E-01	2.7E-02	1.0E-07
349	0.10	9.9E-08	5.1E+00	4.4E-03	1.0E-03	2.3E-05	1.6E-01	2.7E-02	9.9E-08
350	0.10	9.7E-08	4.9E+00	4.4E-03	1.0E-03	2.2E-05	1.6E-01	2.7E-02	9.7E-08
351	0.04	3.8E-08	1.9E+00	4.4E-03	1.0E-03	8.9E-06	1.6E-01	2.7E-02	3.8E-08
352	0.04	4.1E-08	2.1E+00	4.4E-03	1.0E-03	9.6E-06	1.6E-01	2.7E-02	4.1E-08
353	0.04	4.4E-08	2.3E+00	4.4E-03	1.0E-03	1.0E-05	1.6E-01	2.7E-02	4.4E-08
354	0.05	4.8E-08	2.5E+00	4.4E-03	1.0E-03	1.1E-05	1.6E-01	2.7E-02	4.8E-08
355	0.05	5.2E-08	2.7E+00	4.4E-03	1.0E-03	1.2E-05	1.6E-01	2.7E-02	5.2E-08
356	0.06	5.7E-08	2.9E+00	4.4E-03	1.0E-03	1.3E-05	1.6E-01	2.7E-02	5.7E-08
357	0.06	6.1E-08	3.1E+00	4.4E-03	1.0E-03	1.4E-05	1.6E-01	2.7E-02	6.1E-08
358	0.07	6.6E-08	3.4E+00	4.4E-03	1.0E-03	1.5E-05	1.6E-01	2.7E-02	6.6E-08
359	0.07	7.1E-08	3.6E+00	4.4E-03	1.0E-03	1.7E-05	1.6E-01	2.7E-02	7.1E-08
360	0.08	7.7E-08	3.9E+00	4.4E-03	1.0E-03	1.8E-05	1.6E-01	2.7E-02	7.7E-08
361	0.08	8.3E-08	4.2E+00	4.4E-03	1.0E-03	1.9E-05	1.6E-01	2.7E-02	8.3E-08
362	0.09	8.8E-08	4.5E+00	4.4E-03	1.0E-03	2.1E-05	1.6E-01	2.7E-02	8.8E-08
363	0.09	9.4E-08	4.8E+00	4.4E-03	1.0E-03	2.2E-05	1.6E-01	2.7E-02	9.4E-08
364	0.10	1.0E-07	5.1E+00	4.4E-03	1.0E-03	2.3E-05	1.6E-01	2.7E-02	1.0E-07
365	0.11	1.1E-07	5.4E+00	4.4E-03	1.0E-03	2.5E-05	1.6E-01	2.7E-02	1.1E-07
366	0.11	1.1E-07	5.7E+00	4.4E-03	1.0E-03	2.6E-05	1.6E-01	2.7E-02	1.1E-07
367	0.12	1.2E-07	6.0E+00	4.4E-03	1.0E-03	2.7E-05	1.6E-01	2.7E-02	1.2E-07
368	0.12	1.2E-07	6.2E+00	4.4E-03	1.0E-03	2.8E-05	1.6E-01	2.7E-02	1.2E-07
369	0.12	1.2E-07	6.3E+00	4.4E-03	1.0E-03	2.9E-05	1.6E-01	2.7E-02	1.2E-07
370	0.12	1.2E-07	6.3E+00	4.4E-03	1.0E-03	2.9E-05	1.6E-01	2.7E-02	1.2E-07
371	0.12	1.2E-07	6.3E+00	4.4E-03	1.0E-03	2.9E-05	1.6E-01	2.7E-02	1.2E-07
372	0.12	1.2E-07	6.2E+00	4.4E-03	1.0E-03	2.8E-05	1.6E-01	2.7E-02	1.2E-07
373	0.12	1.2E-07	6.0E+00	4.4E-03	1.0E-03	2.7E-05	1.6E-01	2.7E-02	1.2E-07
374	0.11	1.1E-07	5.8E+00	4.4E-03	1.0E-03	2.7E-05	1.6E-01	2.7E-02	1.1E-07
375	0.11	1.1E-07	5.6E+00	4.4E-03	1.0E-03	2.6E-05	1.6E-01	2.7E-02	1.1E-07
376	0.11	1.1E-07	5.4E+00	4.4E-03	1.0E-03	2.5E-05	1.6E-01	2.7E-02	1.1E-07
377	0.04	4.1E-08	2.1E+00	4.4E-03	1.0E-03	9.6E-06	1.6E-01	2.7E-02	4.1E-08
378	0.04	4.5E-08	2.3E+00	4.4E-03	1.0E-03	1.0E-05	1.6E-01	2.7E-02	4.5E-08
379	0.05	4.9E-08	2.5E+00	4.4E-03	1.0E-03	1.1E-05	1.6E-01	2.7E-02	4.9E-08
380	0.05	5.3E-08	2.7E+00	4.4E-03	1.0E-03	1.2E-05	1.6E-01	2.7E-02	5.3E-08
381	0.06	5.8E-08	3.0E+00	4.4E-03	1.0E-03	1.4E-05	1.6E-01	2.7E-02	5.8E-08
382	0.14	1.4E-07	7.3E+00	4.4E-03	1.0E-03	3.3E-05	1.6E-01	2.7E-02	1.4E-07
383	0.15	1.5E-07	7.5E+00	4.4E-03	1.0E-03	3.4E-05	1.6E-01	2.7E-02	1.5E-07
384	0.15	1.5E-07	7.5E+00	4.4E-03	1.0E-03	3.4E-05	1.6E-01	2.7E-02	1.5E-07
385	0.15	1.5E-07	7.4E+00	4.4E-03	1.0E-03	3.4E-05	1.6E-01	2.7E-02	1.5E-07
386	0.14	1.4E-07	7.3E+00	4.4E-03	1.0E-03	3.3E-05	1.6E-01	2.7E-02	1.4E-07

387	0.14	1.4E-07	7.0E+00	4.4E-03	1.0E-03	3.2E-05	1.6E-01	2.7E-02	1.4E-07
388	0.13	1.3E-07	6.8E+00	4.4E-03	1.0E-03	3.1E-05	1.6E-01	2.7E-02	1.3E-07
389	0.13	1.3E-07	6.5E+00	4.4E-03	1.0E-03	3.0E-05	1.6E-01	2.7E-02	1.3E-07
390	0.12	1.2E-07	6.3E+00	4.4E-03	1.0E-03	2.9E-05	1.6E-01	2.7E-02	1.2E-07
391	0.12	1.2E-07	6.0E+00	4.4E-03	1.0E-03	2.7E-05	1.6E-01	2.7E-02	1.2E-07
392	0.04	4.5E-08	2.3E+00	4.4E-03	1.0E-03	1.0E-05	1.6E-01	2.7E-02	4.5E-08
393	0.05	4.9E-08	2.5E+00	4.4E-03	1.0E-03	1.1E-05	1.6E-01	2.7E-02	4.9E-08
394	0.05	5.4E-08	2.7E+00	4.4E-03	1.0E-03	1.2E-05	1.6E-01	2.7E-02	5.4E-08
395	0.06	5.9E-08	3.0E+00	4.4E-03	1.0E-03	1.4E-05	1.6E-01	2.7E-02	5.9E-08
396	0.07	6.5E-08	3.3E+00	4.4E-03	1.0E-03	1.5E-05	1.6E-01	2.7E-02	6.5E-08
397	0.17	1.7E-07	8.9E+00	4.4E-03	1.0E-03	4.1E-05	1.6E-01	2.7E-02	1.7E-07
398	0.18	1.8E-07	9.0E+00	4.4E-03	1.0E-03	4.1E-05	1.6E-01	2.7E-02	1.8E-07
399	0.18	1.8E-07	9.0E+00	4.4E-03	1.0E-03	4.1E-05	1.6E-01	2.7E-02	1.8E-07
400	0.17	1.7E-07	8.7E+00	4.4E-03	1.0E-03	4.0E-05	1.6E-01	2.7E-02	1.7E-07
401	0.17	1.7E-07	8.4E+00	4.4E-03	1.0E-03	3.8E-05	1.6E-01	2.7E-02	1.7E-07
402	0.16	1.6E-07	8.1E+00	4.4E-03	1.0E-03	3.7E-05	1.6E-01	2.7E-02	1.6E-07
403	0.15	1.5E-07	7.7E+00	4.4E-03	1.0E-03	3.5E-05	1.6E-01	2.7E-02	1.5E-07
404	0.14	1.4E-07	7.3E+00	4.4E-03	1.0E-03	3.3E-05	1.6E-01	2.7E-02	1.4E-07
405	0.14	1.4E-07	6.9E+00	4.4E-03	1.0E-03	3.2E-05	1.6E-01	2.7E-02	1.4E-07
406	0.13	1.3E-07	6.6E+00	4.4E-03	1.0E-03	3.0E-05	1.6E-01	2.7E-02	1.3E-07
407	0.05	4.8E-08	2.4E+00	4.4E-03	1.0E-03	1.1E-05	1.6E-01	2.7E-02	4.8E-08
408	0.05	5.2E-08	2.7E+00	4.4E-03	1.0E-03	1.2E-05	1.6E-01	2.7E-02	5.2E-08
409	0.06	5.8E-08	3.0E+00	4.4E-03	1.0E-03	1.3E-05	1.6E-01	2.7E-02	5.8E-08
410	0.06	6.4E-08	3.3E+00	4.4E-03	1.0E-03	1.5E-05	1.6E-01	2.7E-02	6.4E-08
411	0.07	7.2E-08	3.7E+00	4.4E-03	1.0E-03	1.7E-05	1.6E-01	2.7E-02	7.2E-08
412	0.22	2.2E-07	1.1E+01	4.4E-03	1.0E-03	5.1E-05	1.6E-01	2.7E-02	2.2E-07
413	0.22	2.2E-07	1.1E+01	4.4E-03	1.0E-03	5.0E-05	1.6E-01	2.7E-02	2.2E-07
414	0.21	2.1E-07	1.1E+01	4.4E-03	1.0E-03	4.9E-05	1.6E-01	2.7E-02	2.1E-07
415	0.20	2.0E-07	1.0E+01	4.4E-03	1.0E-03	4.7E-05	1.6E-01	2.7E-02	2.0E-07
416	0.19	1.9E-07	9.7E+00	4.4E-03	1.0E-03	4.4E-05	1.6E-01	2.7E-02	1.9E-07
417	0.18	1.8E-07	9.2E+00	4.4E-03	1.0E-03	4.2E-05	1.6E-01	2.7E-02	1.8E-07
418	0.17	1.7E-07	8.7E+00	4.4E-03	1.0E-03	3.9E-05	1.6E-01	2.7E-02	1.7E-07
419	0.16	1.6E-07	8.1E+00	4.4E-03	1.0E-03	3.7E-05	1.6E-01	2.7E-02	1.6E-07
420	0.15	1.5E-07	7.6E+00	4.4E-03	1.0E-03	3.5E-05	1.6E-01	2.7E-02	1.5E-07
421	0.14	1.4E-07	7.2E+00	4.4E-03	1.0E-03	3.3E-05	1.6E-01	2.7E-02	1.4E-07
422	0.05	5.1E-08	2.6E+00	4.4E-03	1.0E-03	1.2E-05	1.6E-01	2.7E-02	5.1E-08
423	0.06	5.7E-08	2.9E+00	4.4E-03	1.0E-03	1.3E-05	1.6E-01	2.7E-02	5.7E-08
424	0.06	6.4E-08	3.2E+00	4.4E-03	1.0E-03	1.5E-05	1.6E-01	2.7E-02	6.4E-08
425	0.07	7.1E-08	3.6E+00	4.4E-03	1.0E-03	1.7E-05	1.6E-01	2.7E-02	7.1E-08
426	0.08	8.1E-08	4.1E+00	4.4E-03	1.0E-03	1.9E-05	1.6E-01	2.7E-02	8.1E-08
427	0.28	2.8E-07	1.4E+01	4.4E-03	1.0E-03	6.5E-05	1.6E-01	2.7E-02	2.8E-07
428	0.27	2.7E-07	1.4E+01	4.4E-03	1.0E-03	6.2E-05	1.6E-01	2.7E-02	2.7E-07
429	0.25	2.5E-07	1.3E+01	4.4E-03	1.0E-03	5.9E-05	1.6E-01	2.7E-02	2.5E-07
430	0.24	2.4E-07	1.2E+01	4.4E-03	1.0E-03	5.5E-05	1.6E-01	2.7E-02	2.4E-07
431	0.22	2.2E-07	1.1E+01	4.4E-03	1.0E-03	5.1E-05	1.6E-01	2.7E-02	2.2E-07
432	0.20	2.0E-07	1.0E+01	4.4E-03	1.0E-03	4.8E-05	1.6E-01	2.7E-02	2.0E-07
433	0.19	1.9E-07	9.7E+00	4.4E-03	1.0E-03	4.4E-05	1.6E-01	2.7E-02	1.9E-07
434	0.18	1.8E-07	9.0E+00	4.4E-03	1.0E-03	4.1E-05	1.6E-01	2.7E-02	1.8E-07
435	0.16	1.6E-07	8.3E+00	4.4E-03	1.0E-03	3.8E-05	1.6E-01	2.7E-02	1.6E-07

436	0.15	1.5E-07	7.8E+00	4.4E-03	1.0E-03	3.5E-05	1.6E-01	2.7E-02	1.5E-07
437	0.06	5.5E-08	2.8E+00	4.4E-03	1.0E-03	1.3E-05	1.6E-01	2.7E-02	5.5E-08
438	0.06	6.2E-08	3.1E+00	4.4E-03	1.0E-03	1.4E-05	1.6E-01	2.7E-02	6.2E-08
439	0.07	6.9E-08	3.5E+00	4.4E-03	1.0E-03	1.6E-05	1.6E-01	2.7E-02	6.9E-08
440	0.08	7.8E-08	4.0E+00	4.4E-03	1.0E-03	1.8E-05	1.6E-01	2.7E-02	7.8E-08
441	0.09	9.0E-08	4.6E+00	4.4E-03	1.0E-03	2.1E-05	1.6E-01	2.7E-02	9.0E-08
442	0.36	3.6E-07	1.8E+01	4.4E-03	1.0E-03	8.3E-05	1.6E-01	2.7E-02	3.6E-07
443	0.33	3.3E-07	1.7E+01	4.4E-03	1.0E-03	7.7E-05	1.6E-01	2.7E-02	3.3E-07
444	0.30	3.0E-07	1.5E+01	4.4E-03	1.0E-03	7.1E-05	1.6E-01	2.7E-02	3.0E-07
445	0.28	2.8E-07	1.4E+01	4.4E-03	1.0E-03	6.4E-05	1.6E-01	2.7E-02	2.8E-07
446	0.25	2.5E-07	1.3E+01	4.4E-03	1.0E-03	5.9E-05	1.6E-01	2.7E-02	2.5E-07
447	0.23	2.3E-07	1.2E+01	4.4E-03	1.0E-03	5.4E-05	1.6E-01	2.7E-02	2.3E-07
448	0.21	2.1E-07	1.1E+01	4.4E-03	1.0E-03	4.9E-05	1.6E-01	2.7E-02	2.1E-07
449	0.19	1.9E-07	9.9E+00	4.4E-03	1.0E-03	4.5E-05	1.6E-01	2.7E-02	1.9E-07
450	0.18	1.8E-07	9.1E+00	4.4E-03	1.0E-03	4.1E-05	1.6E-01	2.7E-02	1.8E-07
451	0.16	1.6E-07	8.4E+00	4.4E-03	1.0E-03	3.8E-05	1.6E-01	2.7E-02	1.6E-07
452	0.06	5.9E-08	3.0E+00	4.4E-03	1.0E-03	1.4E-05	1.6E-01	2.7E-02	5.9E-08
453	0.07	6.7E-08	3.4E+00	4.4E-03	1.0E-03	1.5E-05	1.6E-01	2.7E-02	6.7E-08
454	0.08	7.6E-08	3.9E+00	4.4E-03	1.0E-03	1.8E-05	1.6E-01	2.7E-02	7.6E-08
455	0.09	8.7E-08	4.4E+00	4.4E-03	1.0E-03	2.0E-05	1.6E-01	2.7E-02	8.7E-08
456	0.10	1.0E-07	5.2E+00	4.4E-03	1.0E-03	2.4E-05	1.6E-01	2.7E-02	1.0E-07
457	0.46	4.6E-07	2.3E+01	4.4E-03	1.0E-03	1.1E-04	1.6E-01	2.7E-02	4.6E-07
458	0.41	4.1E-07	2.1E+01	4.4E-03	1.0E-03	9.5E-05	1.6E-01	2.7E-02	4.1E-07
459	0.36	3.6E-07	1.8E+01	4.4E-03	1.0E-03	8.3E-05	1.6E-01	2.7E-02	3.6E-07
460	0.32	3.2E-07	1.6E+01	4.4E-03	1.0E-03	7.4E-05	1.6E-01	2.7E-02	3.2E-07
461	0.29	2.9E-07	1.5E+01	4.4E-03	1.0E-03	6.6E-05	1.6E-01	2.7E-02	2.9E-07
462	0.26	2.6E-07	1.3E+01	4.4E-03	1.0E-03	6.0E-05	1.6E-01	2.7E-02	2.6E-07
463	0.23	2.3E-07	1.2E+01	4.4E-03	1.0E-03	5.4E-05	1.6E-01	2.7E-02	2.3E-07
464	0.21	2.1E-07	1.1E+01	4.4E-03	1.0E-03	4.9E-05	1.6E-01	2.7E-02	2.1E-07
465	0.19	1.9E-07	9.8E+00	4.4E-03	1.0E-03	4.5E-05	1.6E-01	2.7E-02	1.9E-07
466	0.18	1.8E-07	9.0E+00	4.4E-03	1.0E-03	4.1E-05	1.6E-01	2.7E-02	1.8E-07
467	0.06	6.3E-08	3.2E+00	4.4E-03	1.0E-03	1.5E-05	1.6E-01	2.7E-02	6.3E-08
468	0.07	7.1E-08	3.6E+00	4.4E-03	1.0E-03	1.7E-05	1.6E-01	2.7E-02	7.1E-08
469	0.08	8.2E-08	4.2E+00	4.4E-03	1.0E-03	1.9E-05	1.6E-01	2.7E-02	8.2E-08
470	0.10	9.5E-08	4.9E+00	4.4E-03	1.0E-03	2.2E-05	1.6E-01	2.7E-02	9.5E-08
471	0.11	1.1E-07	5.8E+00	4.4E-03	1.0E-03	2.7E-05	1.6E-01	2.7E-02	1.1E-07
472	0.58	5.8E-07	3.0E+01	4.4E-03	1.0E-03	1.3E-04	1.6E-01	2.7E-02	5.8E-07
473	0.49	4.9E-07	2.5E+01	4.4E-03	1.0E-03	1.1E-04	1.6E-01	2.7E-02	4.9E-07
474	0.42	4.2E-07	2.1E+01	4.4E-03	1.0E-03	9.7E-05	1.6E-01	2.7E-02	4.2E-07
475	0.36	3.6E-07	1.8E+01	4.4E-03	1.0E-03	8.4E-05	1.6E-01	2.7E-02	3.6E-07
476	0.32	3.2E-07	1.6E+01	4.4E-03	1.0E-03	7.4E-05	1.6E-01	2.7E-02	3.2E-07
477	0.28	2.8E-07	1.4E+01	4.4E-03	1.0E-03	6.6E-05	1.6E-01	2.7E-02	2.8E-07
478	0.25	2.5E-07	1.3E+01	4.4E-03	1.0E-03	5.9E-05	1.6E-01	2.7E-02	2.5E-07
479	0.23	2.3E-07	1.2E+01	4.4E-03	1.0E-03	5.3E-05	1.6E-01	2.7E-02	2.3E-07
480	0.21	2.1E-07	1.1E+01	4.4E-03	1.0E-03	4.8E-05	1.6E-01	2.7E-02	2.1E-07
481	0.19	1.9E-07	9.6E+00	4.4E-03	1.0E-03	4.4E-05	1.6E-01	2.7E-02	1.9E-07
482	0.07	6.6E-08	3.4E+00	4.4E-03	1.0E-03	1.5E-05	1.6E-01	2.7E-02	6.6E-08
483	0.08	7.6E-08	3.9E+00	4.4E-03	1.0E-03	1.8E-05	1.6E-01	2.7E-02	7.6E-08
484	0.09	8.8E-08	4.5E+00	4.4E-03	1.0E-03	2.0E-05	1.6E-01	2.7E-02	8.8E-08

485	0.10	1.0E-07	5.3E+00	4.4E-03	1.0E-03	2.4E-05	1.6E-01	2.7E-02	1.0E-07
486	0.13	1.3E-07	6.5E+00	4.4E-03	1.0E-03	3.0E-05	1.6E-01	2.7E-02	1.3E-07
487	0.69	6.9E-07	3.5E+01	4.4E-03	1.0E-03	1.6E-04	1.6E-01	2.7E-02	6.9E-07
488	0.56	5.6E-07	2.9E+01	4.4E-03	1.0E-03	1.3E-04	1.6E-01	2.7E-02	5.6E-07
489	0.47	4.7E-07	2.4E+01	4.4E-03	1.0E-03	1.1E-04	1.6E-01	2.7E-02	4.7E-07
490	0.40	4.0E-07	2.1E+01	4.4E-03	1.0E-03	9.4E-05	1.6E-01	2.7E-02	4.0E-07
491	0.35	3.5E-07	1.8E+01	4.4E-03	1.0E-03	8.2E-05	1.6E-01	2.7E-02	3.5E-07
492	0.31	3.1E-07	1.6E+01	4.4E-03	1.0E-03	7.2E-05	1.6E-01	2.7E-02	3.1E-07
493	0.28	2.8E-07	1.4E+01	4.4E-03	1.0E-03	6.4E-05	1.6E-01	2.7E-02	2.8E-07
494	0.25	2.5E-07	1.3E+01	4.4E-03	1.0E-03	5.7E-05	1.6E-01	2.7E-02	2.5E-07
495	0.22	2.2E-07	1.1E+01	4.4E-03	1.0E-03	5.1E-05	1.6E-01	2.7E-02	2.2E-07
496	0.20	2.0E-07	1.0E+01	4.4E-03	1.0E-03	4.6E-05	1.6E-01	2.7E-02	2.0E-07
497	0.07	6.9E-08	3.5E+00	4.4E-03	1.0E-03	1.6E-05	1.6E-01	2.7E-02	6.9E-08
498	0.08	8.1E-08	4.1E+00	4.4E-03	1.0E-03	1.9E-05	1.6E-01	2.7E-02	8.1E-08
499	0.10	9.5E-08	4.9E+00	4.4E-03	1.0E-03	2.2E-05	1.6E-01	2.7E-02	9.5E-08
500	0.11	1.1E-07	5.9E+00	4.4E-03	1.0E-03	2.7E-05	1.6E-01	2.7E-02	1.1E-07
501	0.14	1.4E-07	7.3E+00	4.4E-03	1.0E-03	3.3E-05	1.6E-01	2.7E-02	1.4E-07
502	0.78	7.8E-07	4.0E+01	4.4E-03	1.0E-03	1.8E-04	1.6E-01	2.7E-02	7.8E-07
503	0.62	6.2E-07	3.2E+01	4.4E-03	1.0E-03	1.5E-04	1.6E-01	2.7E-02	6.2E-07
504	0.52	5.2E-07	2.6E+01	4.4E-03	1.0E-03	1.2E-04	1.6E-01	2.7E-02	5.2E-07
505	0.44	4.4E-07	2.3E+01	4.4E-03	1.0E-03	1.0E-04	1.6E-01	2.7E-02	4.4E-07
506	0.38	3.8E-07	2.0E+01	4.4E-03	1.0E-03	8.9E-05	1.6E-01	2.7E-02	3.8E-07
507	0.34	3.4E-07	1.7E+01	4.4E-03	1.0E-03	7.8E-05	1.6E-01	2.7E-02	3.4E-07
508	0.30	3.0E-07	1.5E+01	4.4E-03	1.0E-03	6.9E-05	1.6E-01	2.7E-02	3.0E-07
509	0.26	2.6E-07	1.3E+01	4.4E-03	1.0E-03	6.1E-05	1.6E-01	2.7E-02	2.6E-07
510	0.23	2.3E-07	1.2E+01	4.4E-03	1.0E-03	5.4E-05	1.6E-01	2.7E-02	2.3E-07
511	0.21	2.1E-07	1.1E+01	4.4E-03	1.0E-03	4.8E-05	1.6E-01	2.7E-02	2.1E-07
512	0.07	7.2E-08	3.7E+00	4.4E-03	1.0E-03	1.7E-05	1.6E-01	2.7E-02	7.2E-08
513	0.08	8.4E-08	4.3E+00	4.4E-03	1.0E-03	2.0E-05	1.6E-01	2.7E-02	8.4E-08
514	0.10	1.0E-07	5.1E+00	4.4E-03	1.0E-03	2.3E-05	1.6E-01	2.7E-02	1.0E-07
515	0.12	1.2E-07	6.3E+00	4.4E-03	1.0E-03	2.9E-05	1.6E-01	2.7E-02	1.2E-07
516	0.16	1.6E-07	7.9E+00	4.4E-03	1.0E-03	3.6E-05	1.6E-01	2.7E-02	1.6E-07
517	0.84	8.4E-07	4.3E+01	4.4E-03	1.0E-03	2.0E-04	1.6E-01	2.7E-02	8.4E-07
518	0.68	6.8E-07	3.5E+01	4.4E-03	1.0E-03	1.6E-04	1.6E-01	2.7E-02	6.8E-07
519	0.57	5.7E-07	2.9E+01	4.4E-03	1.0E-03	1.3E-04	1.6E-01	2.7E-02	5.7E-07
520	0.48	4.8E-07	2.5E+01	4.4E-03	1.0E-03	1.1E-04	1.6E-01	2.7E-02	4.8E-07
521	0.41	4.1E-07	2.1E+01	4.4E-03	1.0E-03	9.6E-05	1.6E-01	2.7E-02	4.1E-07
522	0.36	3.6E-07	1.8E+01	4.4E-03	1.0E-03	8.4E-05	1.6E-01	2.7E-02	3.6E-07
523	0.32	3.2E-07	1.6E+01	4.4E-03	1.0E-03	7.3E-05	1.6E-01	2.7E-02	3.2E-07
524	0.28	2.8E-07	1.4E+01	4.4E-03	1.0E-03	6.4E-05	1.6E-01	2.7E-02	2.8E-07
525	0.24	2.4E-07	1.2E+01	4.4E-03	1.0E-03	5.7E-05	1.6E-01	2.7E-02	2.4E-07
526	0.22	2.2E-07	1.1E+01	4.4E-03	1.0E-03	5.0E-05	1.6E-01	2.7E-02	2.2E-07
527	0.07	7.5E-08	3.8E+00	4.4E-03	1.0E-03	1.7E-05	1.6E-01	2.7E-02	7.5E-08
528	0.09	8.8E-08	4.5E+00	4.4E-03	1.0E-03	2.0E-05	1.6E-01	2.7E-02	8.8E-08
529	0.11	1.1E-07	5.4E+00	4.4E-03	1.0E-03	2.5E-05	1.6E-01	2.7E-02	1.1E-07
530	0.13	1.3E-07	6.7E+00	4.4E-03	1.0E-03	3.0E-05	1.6E-01	2.7E-02	1.3E-07
531	0.17	1.7E-07	8.5E+00	4.4E-03	1.0E-03	3.9E-05	1.6E-01	2.7E-02	1.7E-07
532	0.91	9.1E-07	4.6E+01	4.4E-03	1.0E-03	2.1E-04	1.6E-01	2.7E-02	9.1E-07
533	0.74	7.4E-07	3.8E+01	4.4E-03	1.0E-03	1.7E-04	1.6E-01	2.7E-02	7.4E-07

534	0.61	6.1E-07	3.1E+01	4.4E-03	1.0E-03	1.4E-04	1.6E-01	2.7E-02	6.1E-07
535	0.51	5.1E-07	2.6E+01	4.4E-03	1.0E-03	1.2E-04	1.6E-01	2.7E-02	5.1E-07
536	0.44	4.4E-07	2.2E+01	4.4E-03	1.0E-03	1.0E-04	1.6E-01	2.7E-02	4.4E-07
537	0.38	3.8E-07	1.9E+01	4.4E-03	1.0E-03	8.8E-05	1.6E-01	2.7E-02	3.8E-07
538	0.33	3.3E-07	1.7E+01	4.4E-03	1.0E-03	7.6E-05	1.6E-01	2.7E-02	3.3E-07
539	0.29	2.9E-07	1.5E+01	4.4E-03	1.0E-03	6.7E-05	1.6E-01	2.7E-02	2.9E-07
540	0.25	2.5E-07	1.3E+01	4.4E-03	1.0E-03	5.8E-05	1.6E-01	2.7E-02	2.5E-07
541	0.22	2.2E-07	1.1E+01	4.4E-03	1.0E-03	5.1E-05	1.6E-01	2.7E-02	2.2E-07
542	0.08	7.6E-08	3.9E+00	4.4E-03	1.0E-03	1.8E-05	1.6E-01	2.7E-02	7.6E-08
543	0.09	9.0E-08	4.6E+00	4.4E-03	1.0E-03	2.1E-05	1.6E-01	2.7E-02	9.0E-08
544	0.11	1.1E-07	5.6E+00	4.4E-03	1.0E-03	2.6E-05	1.6E-01	2.7E-02	1.1E-07
545	0.14	1.4E-07	7.0E+00	4.4E-03	1.0E-03	3.2E-05	1.6E-01	2.7E-02	1.4E-07
546	0.18	1.8E-07	9.0E+00	4.4E-03	1.0E-03	4.1E-05	1.6E-01	2.7E-02	1.8E-07
547	1.00	1.0E-06	5.1E+01	4.4E-03	1.0E-03	2.3E-04	1.6E-01	2.7E-02	1.0E-06
548	0.81	8.1E-07	4.1E+01	4.4E-03	1.0E-03	1.9E-04	1.6E-01	2.7E-02	8.1E-07
549	0.66	6.6E-07	3.4E+01	4.4E-03	1.0E-03	1.5E-04	1.6E-01	2.7E-02	6.6E-07
550	0.55	5.5E-07	2.8E+01	4.4E-03	1.0E-03	1.3E-04	1.6E-01	2.7E-02	5.5E-07
551	0.45	4.5E-07	2.3E+01	4.4E-03	1.0E-03	1.0E-04	1.6E-01	2.7E-02	4.5E-07
552	0.38	3.8E-07	1.9E+01	4.4E-03	1.0E-03	8.9E-05	1.6E-01	2.7E-02	3.8E-07
553	0.33	3.3E-07	1.7E+01	4.4E-03	1.0E-03	7.7E-05	1.6E-01	2.7E-02	3.3E-07
554	0.29	2.9E-07	1.5E+01	4.4E-03	1.0E-03	6.7E-05	1.6E-01	2.7E-02	2.9E-07
555	0.25	2.5E-07	1.3E+01	4.4E-03	1.0E-03	5.8E-05	1.6E-01	2.7E-02	2.5E-07
556	0.22	2.2E-07	1.1E+01	4.4E-03	1.0E-03	5.1E-05	1.6E-01	2.7E-02	2.2E-07
557	0.08	7.7E-08	3.9E+00	4.4E-03	1.0E-03	1.8E-05	1.6E-01	2.7E-02	7.7E-08
558	0.09	9.2E-08	4.7E+00	4.4E-03	1.0E-03	2.1E-05	1.6E-01	2.7E-02	9.2E-08
559	0.11	1.1E-07	5.7E+00	4.4E-03	1.0E-03	2.6E-05	1.6E-01	2.7E-02	1.1E-07
560	0.14	1.4E-07	7.2E+00	4.4E-03	1.0E-03	3.3E-05	1.6E-01	2.7E-02	1.4E-07
561	0.18	1.8E-07	9.2E+00	4.4E-03	1.0E-03	4.2E-05	1.6E-01	2.7E-02	1.8E-07
562	0.90	9.0E-07	4.6E+01	4.4E-03	1.0E-03	2.1E-04	1.6E-01	2.7E-02	9.0E-07
563	0.73	7.3E-07	3.7E+01	4.4E-03	1.0E-03	1.7E-04	1.6E-01	2.7E-02	7.3E-07
564	0.59	5.9E-07	3.0E+01	4.4E-03	1.0E-03	1.4E-04	1.6E-01	2.7E-02	5.9E-07
565	0.45	4.5E-07	2.3E+01	4.4E-03	1.0E-03	1.0E-04	1.6E-01	2.7E-02	4.5E-07
566	0.37	3.7E-07	1.9E+01	4.4E-03	1.0E-03	8.7E-05	1.6E-01	2.7E-02	3.7E-07
567	0.32	3.2E-07	1.6E+01	4.4E-03	1.0E-03	7.4E-05	1.6E-01	2.7E-02	3.2E-07
568	0.27	2.7E-07	1.4E+01	4.4E-03	1.0E-03	6.4E-05	1.6E-01	2.7E-02	2.7E-07
569	0.24	2.4E-07	1.2E+01	4.4E-03	1.0E-03	5.5E-05	1.6E-01	2.7E-02	2.4E-07
570	0.21	2.1E-07	1.1E+01	4.4E-03	1.0E-03	4.9E-05	1.6E-01	2.7E-02	2.1E-07
571	0.08	7.8E-08	4.0E+00	4.4E-03	1.0E-03	1.8E-05	1.6E-01	2.7E-02	7.8E-08
572	0.09	9.3E-08	4.7E+00	4.4E-03	1.0E-03	2.2E-05	1.6E-01	2.7E-02	9.3E-08
573	0.11	1.1E-07	5.7E+00	4.4E-03	1.0E-03	2.6E-05	1.6E-01	2.7E-02	1.1E-07
574	0.14	1.4E-07	7.2E+00	4.4E-03	1.0E-03	3.3E-05	1.6E-01	2.7E-02	1.4E-07
575	0.18	1.8E-07	9.2E+00	4.4E-03	1.0E-03	4.2E-05	1.6E-01	2.7E-02	1.8E-07
576	0.82	8.2E-07	4.2E+01	4.4E-03	1.0E-03	1.9E-04	1.6E-01	2.7E-02	8.2E-07
577	0.65	6.5E-07	3.3E+01	4.4E-03	1.0E-03	1.5E-04	1.6E-01	2.7E-02	6.5E-07
578	0.51	5.1E-07	2.6E+01	4.4E-03	1.0E-03	1.2E-04	1.6E-01	2.7E-02	5.1E-07
579	0.42	4.2E-07	2.1E+01	4.4E-03	1.0E-03	9.7E-05	1.6E-01	2.7E-02	4.2E-07
580	0.35	3.5E-07	1.8E+01	4.4E-03	1.0E-03	8.0E-05	1.6E-01	2.7E-02	3.5E-07
581	0.28	2.8E-07	1.5E+01	4.4E-03	1.0E-03	6.6E-05	1.6E-01	2.7E-02	2.8E-07
582	0.24	2.4E-07	1.2E+01	4.4E-03	1.0E-03	5.6E-05	1.6E-01	2.7E-02	2.4E-07

583	0.20	2.0E-07	1.0E+01	4.4E-03	1.0E-03	4.7E-05	1.6E-01	2.7E-02	2.0E-07
584	0.08	7.7E-08	3.9E+00	4.4E-03	1.0E-03	1.8E-05	1.6E-01	2.7E-02	7.7E-08
585	0.09	9.2E-08	4.7E+00	4.4E-03	1.0E-03	2.1E-05	1.6E-01	2.7E-02	9.2E-08
586	0.11	1.1E-07	5.7E+00	4.4E-03	1.0E-03	2.6E-05	1.6E-01	2.7E-02	1.1E-07
587	0.14	1.4E-07	7.1E+00	4.4E-03	1.0E-03	3.2E-05	1.6E-01	2.7E-02	1.4E-07
588	0.18	1.8E-07	9.1E+00	4.4E-03	1.0E-03	4.2E-05	1.6E-01	2.7E-02	1.8E-07
589	0.76	7.6E-07	3.9E+01	4.4E-03	1.0E-03	1.8E-04	1.6E-01	2.7E-02	7.6E-07
590	0.61	6.1E-07	3.1E+01	4.4E-03	1.0E-03	1.4E-04	1.6E-01	2.7E-02	6.1E-07
591	0.48	4.8E-07	2.5E+01	4.4E-03	1.0E-03	1.1E-04	1.6E-01	2.7E-02	4.8E-07
592	0.38	3.8E-07	1.9E+01	4.4E-03	1.0E-03	8.9E-05	1.6E-01	2.7E-02	3.8E-07
593	0.31	3.1E-07	1.6E+01	4.4E-03	1.0E-03	7.2E-05	1.6E-01	2.7E-02	3.1E-07
594	0.25	2.5E-07	1.3E+01	4.4E-03	1.0E-03	5.9E-05	1.6E-01	2.7E-02	2.5E-07
595	0.21	2.1E-07	1.1E+01	4.4E-03	1.0E-03	4.8E-05	1.6E-01	2.7E-02	2.1E-07
596	0.08	7.6E-08	3.9E+00	4.4E-03	1.0E-03	1.8E-05	1.6E-01	2.7E-02	7.6E-08
597	0.09	9.1E-08	4.6E+00	4.4E-03	1.0E-03	2.1E-05	1.6E-01	2.7E-02	9.1E-08
598	0.11	1.1E-07	5.6E+00	4.4E-03	1.0E-03	2.5E-05	1.6E-01	2.7E-02	1.1E-07
599	0.14	1.4E-07	6.9E+00	4.4E-03	1.0E-03	3.1E-05	1.6E-01	2.7E-02	1.4E-07
600	0.17	1.7E-07	8.7E+00	4.4E-03	1.0E-03	4.0E-05	1.6E-01	2.7E-02	1.7E-07
601	0.64	6.4E-07	3.3E+01	4.4E-03	1.0E-03	1.5E-04	1.6E-01	2.7E-02	6.4E-07
602	0.50	5.0E-07	2.5E+01	4.4E-03	1.0E-03	1.1E-04	1.6E-01	2.7E-02	5.0E-07
603	0.39	3.9E-07	2.0E+01	4.4E-03	1.0E-03	9.0E-05	1.6E-01	2.7E-02	3.9E-07
604	0.31	3.1E-07	1.6E+01	4.4E-03	1.0E-03	7.2E-05	1.6E-01	2.7E-02	3.1E-07
605	0.26	2.6E-07	1.3E+01	4.4E-03	1.0E-03	5.9E-05	1.6E-01	2.7E-02	2.6E-07
606	0.21	2.1E-07	1.1E+01	4.4E-03	1.0E-03	4.9E-05	1.6E-01	2.7E-02	2.1E-07
607	0.07	7.4E-08	3.8E+00	4.4E-03	1.0E-03	1.7E-05	1.6E-01	2.7E-02	7.4E-08
608	0.09	8.8E-08	4.5E+00	4.4E-03	1.0E-03	2.0E-05	1.6E-01	2.7E-02	8.8E-08
609	0.11	1.1E-07	5.4E+00	4.4E-03	1.0E-03	2.5E-05	1.6E-01	2.7E-02	1.1E-07
610	0.13	1.3E-07	6.6E+00	4.4E-03	1.0E-03	3.0E-05	1.6E-01	2.7E-02	1.3E-07
611	0.16	1.6E-07	8.2E+00	4.4E-03	1.0E-03	3.7E-05	1.6E-01	2.7E-02	1.6E-07
612	0.65	6.5E-07	3.3E+01	4.4E-03	1.0E-03	1.5E-04	1.6E-01	2.7E-02	6.5E-07
613	0.49	4.9E-07	2.5E+01	4.4E-03	1.0E-03	1.1E-04	1.6E-01	2.7E-02	4.9E-07
614	0.38	3.8E-07	1.9E+01	4.4E-03	1.0E-03	8.7E-05	1.6E-01	2.7E-02	3.8E-07
615	0.30	3.0E-07	1.5E+01	4.4E-03	1.0E-03	7.0E-05	1.6E-01	2.7E-02	3.0E-07
616	0.25	2.5E-07	1.3E+01	4.4E-03	1.0E-03	5.7E-05	1.6E-01	2.7E-02	2.5E-07
617	0.20	2.0E-07	1.0E+01	4.4E-03	1.0E-03	4.7E-05	1.6E-01	2.7E-02	2.0E-07
618	0.07	7.2E-08	3.7E+00	4.4E-03	1.0E-03	1.7E-05	1.6E-01	2.7E-02	7.2E-08
619	0.08	8.4E-08	4.3E+00	4.4E-03	1.0E-03	2.0E-05	1.6E-01	2.7E-02	8.4E-08
620	0.10	1.0E-07	5.1E+00	4.4E-03	1.0E-03	2.3E-05	1.6E-01	2.7E-02	1.0E-07
621	0.12	1.2E-07	6.1E+00	4.4E-03	1.0E-03	2.8E-05	1.6E-01	2.7E-02	1.2E-07
622	0.15	1.5E-07	7.6E+00	4.4E-03	1.0E-03	3.5E-05	1.6E-01	2.7E-02	1.5E-07
623	0.61	6.1E-07	3.1E+01	4.4E-03	1.0E-03	1.4E-04	1.6E-01	2.7E-02	6.1E-07
624	0.45	4.5E-07	2.3E+01	4.4E-03	1.0E-03	1.1E-04	1.6E-01	2.7E-02	4.5E-07
625	0.35	3.5E-07	1.8E+01	4.4E-03	1.0E-03	8.1E-05	1.6E-01	2.7E-02	3.5E-07
626	0.28	2.8E-07	1.4E+01	4.4E-03	1.0E-03	6.5E-05	1.6E-01	2.7E-02	2.8E-07
627	0.23	2.3E-07	1.2E+01	4.4E-03	1.0E-03	5.4E-05	1.6E-01	2.7E-02	2.3E-07
628	0.19	1.9E-07	9.8E+00	4.4E-03	1.0E-03	4.5E-05	1.6E-01	2.7E-02	1.9E-07
629	0.07	6.9E-08	3.5E+00	4.4E-03	1.0E-03	1.6E-05	1.6E-01	2.7E-02	6.9E-08
630	0.08	8.0E-08	4.1E+00	4.4E-03	1.0E-03	1.9E-05	1.6E-01	2.7E-02	8.0E-08
631	0.09	9.4E-08	4.8E+00	4.4E-03	1.0E-03	2.2E-05	1.6E-01	2.7E-02	9.4E-08

632	0.11	1.1E-07	5.7E+00	4.4E-03	1.0E-03	2.6E-05	1.6E-01	2.7E-02	1.1E-07
633	0.14	1.4E-07	6.9E+00	4.4E-03	1.0E-03	3.2E-05	1.6E-01	2.7E-02	1.4E-07
634	0.53	5.3E-07	2.7E+01	4.4E-03	1.0E-03	1.2E-04	1.6E-01	2.7E-02	5.3E-07
635	0.40	4.0E-07	2.0E+01	4.4E-03	1.0E-03	9.3E-05	1.6E-01	2.7E-02	4.0E-07
636	0.32	3.2E-07	1.6E+01	4.4E-03	1.0E-03	7.3E-05	1.6E-01	2.7E-02	3.2E-07
637	0.26	2.6E-07	1.3E+01	4.4E-03	1.0E-03	6.0E-05	1.6E-01	2.7E-02	2.6E-07
638	0.21	2.1E-07	1.1E+01	4.4E-03	1.0E-03	5.0E-05	1.6E-01	2.7E-02	2.1E-07
639	0.18	1.8E-07	9.2E+00	4.4E-03	1.0E-03	4.2E-05	1.6E-01	2.7E-02	1.8E-07
640	0.07	6.5E-08	3.3E+00	4.4E-03	1.0E-03	1.5E-05	1.6E-01	2.7E-02	6.5E-08
641	0.08	7.6E-08	3.8E+00	4.4E-03	1.0E-03	1.8E-05	1.6E-01	2.7E-02	7.6E-08
642	0.09	8.8E-08	4.5E+00	4.4E-03	1.0E-03	2.1E-05	1.6E-01	2.7E-02	8.8E-08
643	0.10	1.0E-07	5.3E+00	4.4E-03	1.0E-03	2.4E-05	1.6E-01	2.7E-02	1.0E-07
644	0.12	1.2E-07	6.4E+00	4.4E-03	1.0E-03	2.9E-05	1.6E-01	2.7E-02	1.2E-07
645	0.43	4.3E-07	2.2E+01	4.4E-03	1.0E-03	9.9E-05	1.6E-01	2.7E-02	4.3E-07
646	0.34	3.4E-07	1.7E+01	4.4E-03	1.0E-03	7.9E-05	1.6E-01	2.7E-02	3.4E-07
647	0.28	2.8E-07	1.4E+01	4.4E-03	1.0E-03	6.4E-05	1.6E-01	2.7E-02	2.8E-07
648	0.23	2.3E-07	1.2E+01	4.4E-03	1.0E-03	5.4E-05	1.6E-01	2.7E-02	2.3E-07
649	0.19	1.9E-07	9.9E+00	4.4E-03	1.0E-03	4.5E-05	1.6E-01	2.7E-02	1.9E-07
650	0.17	1.7E-07	8.5E+00	4.4E-03	1.0E-03	3.9E-05	1.6E-01	2.7E-02	1.7E-07
651	0.06	6.2E-08	3.2E+00	4.4E-03	1.0E-03	1.4E-05	1.6E-01	2.7E-02	6.2E-08
652	0.07	7.2E-08	3.6E+00	4.4E-03	1.0E-03	1.7E-05	1.6E-01	2.7E-02	7.2E-08
653	0.08	8.3E-08	4.2E+00	4.4E-03	1.0E-03	1.9E-05	1.6E-01	2.7E-02	8.3E-08
654	0.10	9.7E-08	4.9E+00	4.4E-03	1.0E-03	2.3E-05	1.6E-01	2.7E-02	9.7E-08
655	0.11	1.1E-07	5.8E+00	4.4E-03	1.0E-03	2.7E-05	1.6E-01	2.7E-02	1.1E-07
656	0.14	1.4E-07	6.9E+00	4.4E-03	1.0E-03	3.1E-05	1.6E-01	2.7E-02	1.4E-07
657	0.16	1.6E-07	8.3E+00	4.4E-03	1.0E-03	3.8E-05	1.6E-01	2.7E-02	1.6E-07
658	0.20	2.0E-07	1.0E+01	4.4E-03	1.0E-03	4.6E-05	1.6E-01	2.7E-02	2.0E-07
659	0.24	2.4E-07	1.2E+01	4.4E-03	1.0E-03	5.6E-05	1.6E-01	2.7E-02	2.4E-07
660	0.30	3.0E-07	1.5E+01	4.4E-03	1.0E-03	7.0E-05	1.6E-01	2.7E-02	3.0E-07
661	0.37	3.7E-07	1.9E+01	4.4E-03	1.0E-03	8.7E-05	1.6E-01	2.7E-02	3.7E-07
662	0.45	4.5E-07	2.3E+01	4.4E-03	1.0E-03	1.1E-04	1.6E-01	2.7E-02	4.5E-07
663	0.52	5.2E-07	2.7E+01	4.4E-03	1.0E-03	1.2E-04	1.6E-01	2.7E-02	5.2E-07
664	0.57	5.7E-07	2.9E+01	4.4E-03	1.0E-03	1.3E-04	1.6E-01	2.7E-02	5.7E-07
665	0.60	6.0E-07	3.0E+01	4.4E-03	1.0E-03	1.4E-04	1.6E-01	2.7E-02	6.0E-07
666	0.60	6.0E-07	3.1E+01	4.4E-03	1.0E-03	1.4E-04	1.6E-01	2.7E-02	6.0E-07
667	0.59	5.9E-07	3.0E+01	4.4E-03	1.0E-03	1.4E-04	1.6E-01	2.7E-02	5.9E-07
668	0.55	5.5E-07	2.8E+01	4.4E-03	1.0E-03	1.3E-04	1.6E-01	2.7E-02	5.5E-07
669	0.49	4.9E-07	2.5E+01	4.4E-03	1.0E-03	1.1E-04	1.6E-01	2.7E-02	4.9E-07
670	0.41	4.1E-07	2.1E+01	4.4E-03	1.0E-03	9.6E-05	1.6E-01	2.7E-02	4.1E-07
671	0.34	3.4E-07	1.7E+01	4.4E-03	1.0E-03	8.0E-05	1.6E-01	2.7E-02	3.4E-07
672	0.29	2.9E-07	1.5E+01	4.4E-03	1.0E-03	6.6E-05	1.6E-01	2.7E-02	2.9E-07
673	0.24	2.4E-07	1.2E+01	4.4E-03	1.0E-03	5.6E-05	1.6E-01	2.7E-02	2.4E-07
674	0.20	2.0E-07	1.0E+01	4.4E-03	1.0E-03	4.7E-05	1.6E-01	2.7E-02	2.0E-07
675	0.18	1.8E-07	8.9E+00	4.4E-03	1.0E-03	4.1E-05	1.6E-01	2.7E-02	1.8E-07
676	0.15	1.5E-07	7.8E+00	4.4E-03	1.0E-03	3.5E-05	1.6E-01	2.7E-02	1.5E-07
677	0.06	5.8E-08	3.0E+00	4.4E-03	1.0E-03	1.4E-05	1.6E-01	2.7E-02	5.8E-08
678	0.07	6.6E-08	3.4E+00	4.4E-03	1.0E-03	1.5E-05	1.6E-01	2.7E-02	6.6E-08
679	0.08	7.7E-08	3.9E+00	4.4E-03	1.0E-03	1.8E-05	1.6E-01	2.7E-02	7.7E-08
680	0.09	8.8E-08	4.5E+00	4.4E-03	1.0E-03	2.0E-05	1.6E-01	2.7E-02	8.8E-08

681	0.10	1.0E-07	5.3E+00	4.4E-03	1.0E-03	2.4E-05	1.6E-01	2.7E-02	1.0E-07
682	0.12	1.2E-07	6.1E+00	4.4E-03	1.0E-03	2.8E-05	1.6E-01	2.7E-02	1.2E-07
683	0.14	1.4E-07	7.2E+00	4.4E-03	1.0E-03	3.3E-05	1.6E-01	2.7E-02	1.4E-07
684	0.17	1.7E-07	8.6E+00	4.4E-03	1.0E-03	3.9E-05	1.6E-01	2.7E-02	1.7E-07
685	0.20	2.0E-07	1.0E+01	4.4E-03	1.0E-03	4.7E-05	1.6E-01	2.7E-02	2.0E-07
686	0.24	2.4E-07	1.2E+01	4.4E-03	1.0E-03	5.6E-05	1.6E-01	2.7E-02	2.4E-07
687	0.29	2.9E-07	1.5E+01	4.4E-03	1.0E-03	6.7E-05	1.6E-01	2.7E-02	2.9E-07
688	0.34	3.4E-07	1.7E+01	4.4E-03	1.0E-03	7.8E-05	1.6E-01	2.7E-02	3.4E-07
689	0.38	3.8E-07	1.9E+01	4.4E-03	1.0E-03	8.8E-05	1.6E-01	2.7E-02	3.8E-07
690	0.41	4.1E-07	2.1E+01	4.4E-03	1.0E-03	9.5E-05	1.6E-01	2.7E-02	4.1E-07
691	0.43	4.3E-07	2.2E+01	4.4E-03	1.0E-03	9.9E-05	1.6E-01	2.7E-02	4.3E-07
692	0.43	4.3E-07	2.2E+01	4.4E-03	1.0E-03	1.0E-04	1.6E-01	2.7E-02	4.3E-07
693	0.42	4.2E-07	2.2E+01	4.4E-03	1.0E-03	9.8E-05	1.6E-01	2.7E-02	4.2E-07
694	0.40	4.0E-07	2.0E+01	4.4E-03	1.0E-03	9.3E-05	1.6E-01	2.7E-02	4.0E-07
695	0.37	3.7E-07	1.9E+01	4.4E-03	1.0E-03	8.5E-05	1.6E-01	2.7E-02	3.7E-07
696	0.32	3.2E-07	1.6E+01	4.4E-03	1.0E-03	7.5E-05	1.6E-01	2.7E-02	3.2E-07
697	0.28	2.8E-07	1.4E+01	4.4E-03	1.0E-03	6.5E-05	1.6E-01	2.7E-02	2.8E-07
698	0.24	2.4E-07	1.2E+01	4.4E-03	1.0E-03	5.6E-05	1.6E-01	2.7E-02	2.4E-07
699	0.21	2.1E-07	1.1E+01	4.4E-03	1.0E-03	4.8E-05	1.6E-01	2.7E-02	2.1E-07
700	0.18	1.8E-07	9.2E+00	4.4E-03	1.0E-03	4.2E-05	1.6E-01	2.7E-02	1.8E-07
701	0.16	1.6E-07	8.0E+00	4.4E-03	1.0E-03	3.7E-05	1.6E-01	2.7E-02	1.6E-07
702	0.14	1.4E-07	7.1E+00	4.4E-03	1.0E-03	3.2E-05	1.6E-01	2.7E-02	1.4E-07
703	0.05	5.5E-08	2.8E+00	4.4E-03	1.0E-03	1.3E-05	1.6E-01	2.7E-02	5.5E-08
704	0.06	6.2E-08	3.2E+00	4.4E-03	1.0E-03	1.4E-05	1.6E-01	2.7E-02	6.2E-08
705	0.07	7.1E-08	3.6E+00	4.4E-03	1.0E-03	1.6E-05	1.6E-01	2.7E-02	7.1E-08
706	0.08	8.1E-08	4.1E+00	4.4E-03	1.0E-03	1.9E-05	1.6E-01	2.7E-02	8.1E-08
707	0.09	9.3E-08	4.7E+00	4.4E-03	1.0E-03	2.2E-05	1.6E-01	2.7E-02	9.3E-08
708	0.11	1.1E-07	5.5E+00	4.4E-03	1.0E-03	2.5E-05	1.6E-01	2.7E-02	1.1E-07
709	0.13	1.3E-07	6.4E+00	4.4E-03	1.0E-03	2.9E-05	1.6E-01	2.7E-02	1.3E-07
710	0.15	1.5E-07	7.5E+00	4.4E-03	1.0E-03	3.4E-05	1.6E-01	2.7E-02	1.5E-07
711	0.17	1.7E-07	8.7E+00	4.4E-03	1.0E-03	4.0E-05	1.6E-01	2.7E-02	1.7E-07
712	0.20	2.0E-07	1.0E+01	4.4E-03	1.0E-03	4.6E-05	1.6E-01	2.7E-02	2.0E-07
713	0.23	2.3E-07	1.2E+01	4.4E-03	1.0E-03	5.3E-05	1.6E-01	2.7E-02	2.3E-07
714	0.26	2.6E-07	1.3E+01	4.4E-03	1.0E-03	6.1E-05	1.6E-01	2.7E-02	2.6E-07
715	0.29	2.9E-07	1.5E+01	4.4E-03	1.0E-03	6.7E-05	1.6E-01	2.7E-02	2.9E-07
716	0.31	3.1E-07	1.6E+01	4.4E-03	1.0E-03	7.2E-05	1.6E-01	2.7E-02	3.1E-07
717	0.32	3.2E-07	1.6E+01	4.4E-03	1.0E-03	7.4E-05	1.6E-01	2.7E-02	3.2E-07
718	0.32	3.2E-07	1.7E+01	4.4E-03	1.0E-03	7.5E-05	1.6E-01	2.7E-02	3.2E-07
719	0.32	3.2E-07	1.6E+01	4.4E-03	1.0E-03	7.4E-05	1.6E-01	2.7E-02	3.2E-07
720	0.31	3.1E-07	1.6E+01	4.4E-03	1.0E-03	7.1E-05	1.6E-01	2.7E-02	3.1E-07
721	0.29	2.9E-07	1.5E+01	4.4E-03	1.0E-03	6.6E-05	1.6E-01	2.7E-02	2.9E-07
722	0.26	2.6E-07	1.3E+01	4.4E-03	1.0E-03	6.0E-05	1.6E-01	2.7E-02	2.6E-07
723	0.23	2.3E-07	1.2E+01	4.4E-03	1.0E-03	5.4E-05	1.6E-01	2.7E-02	2.3E-07
724	0.21	2.1E-07	1.0E+01	4.4E-03	1.0E-03	4.8E-05	1.6E-01	2.7E-02	2.1E-07
725	0.18	1.8E-07	9.2E+00	4.4E-03	1.0E-03	4.2E-05	1.6E-01	2.7E-02	1.8E-07
726	0.16	1.6E-07	8.2E+00	4.4E-03	1.0E-03	3.7E-05	1.6E-01	2.7E-02	1.6E-07
727	0.14	1.4E-07	7.2E+00	4.4E-03	1.0E-03	3.3E-05	1.6E-01	2.7E-02	1.4E-07
728	0.13	1.3E-07	6.4E+00	4.4E-03	1.0E-03	2.9E-05	1.6E-01	2.7E-02	1.3E-07
729	0.05	5.2E-08	2.6E+00	4.4E-03	1.0E-03	1.2E-05	1.6E-01	2.7E-02	5.2E-08

730	0.06	5.8E-08	3.0E+00	4.4E-03	1.0E-03	1.3E-05	1.6E-01	2.7E-02	5.8E-08
731	0.07	6.5E-08	3.3E+00	4.4E-03	1.0E-03	1.5E-05	1.6E-01	2.7E-02	6.5E-08
732	0.07	7.4E-08	3.8E+00	4.4E-03	1.0E-03	1.7E-05	1.6E-01	2.7E-02	7.4E-08
733	0.08	8.4E-08	4.3E+00	4.4E-03	1.0E-03	2.0E-05	1.6E-01	2.7E-02	8.4E-08
734	0.10	9.7E-08	4.9E+00	4.4E-03	1.0E-03	2.2E-05	1.6E-01	2.7E-02	9.7E-08
735	0.11	1.1E-07	5.6E+00	4.4E-03	1.0E-03	2.6E-05	1.6E-01	2.7E-02	1.1E-07
736	0.13	1.3E-07	6.5E+00	4.4E-03	1.0E-03	3.0E-05	1.6E-01	2.7E-02	1.3E-07
737	0.15	1.5E-07	7.4E+00	4.4E-03	1.0E-03	3.4E-05	1.6E-01	2.7E-02	1.5E-07
738	0.17	1.7E-07	8.5E+00	4.4E-03	1.0E-03	3.9E-05	1.6E-01	2.7E-02	1.7E-07
739	0.19	1.9E-07	9.5E+00	4.4E-03	1.0E-03	4.3E-05	1.6E-01	2.7E-02	1.9E-07
740	0.21	2.1E-07	1.1E+01	4.4E-03	1.0E-03	4.9E-05	1.6E-01	2.7E-02	2.1E-07
741	0.23	2.3E-07	1.2E+01	4.4E-03	1.0E-03	5.3E-05	1.6E-01	2.7E-02	2.3E-07
742	0.24	2.4E-07	1.2E+01	4.4E-03	1.0E-03	5.6E-05	1.6E-01	2.7E-02	2.4E-07
743	0.25	2.5E-07	1.3E+01	4.4E-03	1.0E-03	5.8E-05	1.6E-01	2.7E-02	2.5E-07
744	0.25	2.5E-07	1.3E+01	4.4E-03	1.0E-03	5.9E-05	1.6E-01	2.7E-02	2.5E-07
745	0.25	2.5E-07	1.3E+01	4.4E-03	1.0E-03	5.9E-05	1.6E-01	2.7E-02	2.5E-07
746	0.25	2.5E-07	1.2E+01	4.4E-03	1.0E-03	5.7E-05	1.6E-01	2.7E-02	2.5E-07
747	0.23	2.3E-07	1.2E+01	4.4E-03	1.0E-03	5.4E-05	1.6E-01	2.7E-02	2.3E-07
748	0.21	2.1E-07	1.1E+01	4.4E-03	1.0E-03	5.0E-05	1.6E-01	2.7E-02	2.1E-07
749	0.19	1.9E-07	9.9E+00	4.4E-03	1.0E-03	4.5E-05	1.6E-01	2.7E-02	1.9E-07
750	0.18	1.8E-07	9.0E+00	4.4E-03	1.0E-03	4.1E-05	1.6E-01	2.7E-02	1.8E-07
751	0.16	1.6E-07	8.1E+00	4.4E-03	1.0E-03	3.7E-05	1.6E-01	2.7E-02	1.6E-07
752	0.14	1.4E-07	7.2E+00	4.4E-03	1.0E-03	3.3E-05	1.6E-01	2.7E-02	1.4E-07
753	0.13	1.3E-07	6.5E+00	4.4E-03	1.0E-03	3.0E-05	1.6E-01	2.7E-02	1.3E-07
754	0.11	1.1E-07	5.8E+00	4.4E-03	1.0E-03	2.7E-05	1.6E-01	2.7E-02	1.1E-07
755	0.05	4.8E-08	2.5E+00	4.4E-03	1.0E-03	1.1E-05	1.6E-01	2.7E-02	4.8E-08
756	0.05	5.4E-08	2.7E+00	4.4E-03	1.0E-03	1.3E-05	1.6E-01	2.7E-02	5.4E-08
757	0.06	6.0E-08	3.1E+00	4.4E-03	1.0E-03	1.4E-05	1.6E-01	2.7E-02	6.0E-08
758	0.07	6.8E-08	3.5E+00	4.4E-03	1.0E-03	1.6E-05	1.6E-01	2.7E-02	6.8E-08
759	0.08	7.7E-08	3.9E+00	4.4E-03	1.0E-03	1.8E-05	1.6E-01	2.7E-02	7.7E-08
760	0.09	8.7E-08	4.4E+00	4.4E-03	1.0E-03	2.0E-05	1.6E-01	2.7E-02	8.7E-08
761	0.10	9.8E-08	5.0E+00	4.4E-03	1.0E-03	2.3E-05	1.6E-01	2.7E-02	9.8E-08
762	0.11	1.1E-07	5.7E+00	4.4E-03	1.0E-03	2.6E-05	1.6E-01	2.7E-02	1.1E-07
763	0.13	1.3E-07	6.4E+00	4.4E-03	1.0E-03	2.9E-05	1.6E-01	2.7E-02	1.3E-07
764	0.14	1.4E-07	7.2E+00	4.4E-03	1.0E-03	3.3E-05	1.6E-01	2.7E-02	1.4E-07
765	0.16	1.6E-07	7.9E+00	4.4E-03	1.0E-03	3.6E-05	1.6E-01	2.7E-02	1.6E-07
766	0.17	1.7E-07	8.7E+00	4.4E-03	1.0E-03	4.0E-05	1.6E-01	2.7E-02	1.7E-07
767	0.18	1.8E-07	9.4E+00	4.4E-03	1.0E-03	4.3E-05	1.6E-01	2.7E-02	1.8E-07
768	0.20	2.0E-07	9.9E+00	4.4E-03	1.0E-03	4.5E-05	1.6E-01	2.7E-02	2.0E-07
769	0.20	2.0E-07	1.0E+01	4.4E-03	1.0E-03	4.7E-05	1.6E-01	2.7E-02	2.0E-07
770	0.21	2.1E-07	1.1E+01	4.4E-03	1.0E-03	4.8E-05	1.6E-01	2.7E-02	2.1E-07
771	0.21	2.1E-07	1.1E+01	4.4E-03	1.0E-03	4.8E-05	1.6E-01	2.7E-02	2.1E-07
772	0.20	2.0E-07	1.0E+01	4.4E-03	1.0E-03	4.7E-05	1.6E-01	2.7E-02	2.0E-07
773	0.19	1.9E-07	9.8E+00	4.4E-03	1.0E-03	4.5E-05	1.6E-01	2.7E-02	1.9E-07
774	0.18	1.8E-07	9.2E+00	4.4E-03	1.0E-03	4.2E-05	1.6E-01	2.7E-02	1.8E-07
775	0.17	1.7E-07	8.5E+00	4.4E-03	1.0E-03	3.9E-05	1.6E-01	2.7E-02	1.7E-07
776	0.15	1.5E-07	7.8E+00	4.4E-03	1.0E-03	3.6E-05	1.6E-01	2.7E-02	1.5E-07
777	0.14	1.4E-07	7.1E+00	4.4E-03	1.0E-03	3.2E-05	1.6E-01	2.7E-02	1.4E-07
778	0.13	1.3E-07	6.5E+00	4.4E-03	1.0E-03	3.0E-05	1.6E-01	2.7E-02	1.3E-07

779	0.12	1.2E-07	5.9E+00	4.4E-03	1.0E-03	2.7E-05	1.6E-01	2.7E-02	1.2E-07
780	0.10	1.0E-07	5.3E+00	4.4E-03	1.0E-03	2.4E-05	1.6E-01	2.7E-02	1.0E-07
781	0.05	4.5E-08	2.3E+00	4.4E-03	1.0E-03	1.1E-05	1.6E-01	2.7E-02	4.5E-08
782	0.05	5.0E-08	2.6E+00	4.4E-03	1.0E-03	1.2E-05	1.6E-01	2.7E-02	5.0E-08
783	0.06	5.6E-08	2.8E+00	4.4E-03	1.0E-03	1.3E-05	1.6E-01	2.7E-02	5.6E-08
784	0.06	6.2E-08	3.2E+00	4.4E-03	1.0E-03	1.4E-05	1.6E-01	2.7E-02	6.2E-08
785	0.07	7.0E-08	3.6E+00	4.4E-03	1.0E-03	1.6E-05	1.6E-01	2.7E-02	7.0E-08
786	0.08	7.8E-08	4.0E+00	4.4E-03	1.0E-03	1.8E-05	1.6E-01	2.7E-02	7.8E-08
787	0.09	8.7E-08	4.5E+00	4.4E-03	1.0E-03	2.0E-05	1.6E-01	2.7E-02	8.7E-08
788	0.10	9.8E-08	5.0E+00	4.4E-03	1.0E-03	2.3E-05	1.6E-01	2.7E-02	9.8E-08
789	0.11	1.1E-07	5.5E+00	4.4E-03	1.0E-03	2.5E-05	1.6E-01	2.7E-02	1.1E-07
790	0.12	1.2E-07	6.1E+00	4.4E-03	1.0E-03	2.8E-05	1.6E-01	2.7E-02	1.2E-07
791	0.13	1.3E-07	6.7E+00	4.4E-03	1.0E-03	3.1E-05	1.6E-01	2.7E-02	1.3E-07
792	0.14	1.4E-07	7.3E+00	4.4E-03	1.0E-03	3.3E-05	1.6E-01	2.7E-02	1.4E-07
793	0.15	1.5E-07	7.8E+00	4.4E-03	1.0E-03	3.6E-05	1.6E-01	2.7E-02	1.5E-07
794	0.16	1.6E-07	8.2E+00	4.4E-03	1.0E-03	3.7E-05	1.6E-01	2.7E-02	1.6E-07
795	0.17	1.7E-07	8.5E+00	4.4E-03	1.0E-03	3.9E-05	1.6E-01	2.7E-02	1.7E-07
796	0.17	1.7E-07	8.7E+00	4.4E-03	1.0E-03	4.0E-05	1.6E-01	2.7E-02	1.7E-07
797	0.17	1.7E-07	8.8E+00	4.4E-03	1.0E-03	4.0E-05	1.6E-01	2.7E-02	1.7E-07
798	0.17	1.7E-07	8.6E+00	4.4E-03	1.0E-03	3.9E-05	1.6E-01	2.7E-02	1.7E-07
799	0.16	1.6E-07	8.3E+00	4.4E-03	1.0E-03	3.8E-05	1.6E-01	2.7E-02	1.6E-07
800	0.15	1.5E-07	7.8E+00	4.4E-03	1.0E-03	3.6E-05	1.6E-01	2.7E-02	1.5E-07
801	0.14	1.4E-07	7.3E+00	4.4E-03	1.0E-03	3.3E-05	1.6E-01	2.7E-02	1.4E-07
802	0.13	1.3E-07	6.8E+00	4.4E-03	1.0E-03	3.1E-05	1.6E-01	2.7E-02	1.3E-07
803	0.12	1.2E-07	6.3E+00	4.4E-03	1.0E-03	2.9E-05	1.6E-01	2.7E-02	1.2E-07
804	0.11	1.1E-07	5.8E+00	4.4E-03	1.0E-03	2.7E-05	1.6E-01	2.7E-02	1.1E-07
805	0.10	1.0E-07	5.3E+00	4.4E-03	1.0E-03	2.4E-05	1.6E-01	2.7E-02	1.0E-07
806	0.10	9.6E-08	4.9E+00	4.4E-03	1.0E-03	2.2E-05	1.6E-01	2.7E-02	9.6E-08
807	0.80	8.0E-07	4.1E+01	4.4E-03	1.0E-03	1.8E-04	1.6E-01	2.7E-02	8.0E-07
808	0.92	9.2E-07	4.7E+01	4.4E-03	1.0E-03	2.1E-04	1.6E-01	2.7E-02	9.2E-07
809	0.67	6.7E-07	3.4E+01	4.4E-03	1.0E-03	1.6E-04	1.6E-01	2.7E-02	6.7E-07
810	0.89	8.9E-07	4.6E+01	4.4E-03	1.0E-03	2.1E-04	1.6E-01	2.7E-02	8.9E-07
811	0.83	8.3E-07	4.2E+01	4.4E-03	1.0E-03	1.9E-04	1.6E-01	2.7E-02	8.3E-07
812	1.09	1.1E-06	5.6E+01	4.4E-03	1.0E-03	2.5E-04	1.6E-01	2.7E-02	1.1E-06
813	0.87	8.7E-07	4.4E+01	4.4E-03	1.0E-03	2.0E-04	1.6E-01	2.7E-02	8.7E-07
814	1.07	1.1E-06	5.4E+01	4.4E-03	1.0E-03	2.5E-04	1.6E-01	2.7E-02	1.1E-06
815	0.85	8.5E-07	4.3E+01	4.4E-03	1.0E-03	2.0E-04	1.6E-01	2.7E-02	8.5E-07
816	1.06	1.1E-06	5.4E+01	4.4E-03	1.0E-03	2.5E-04	1.6E-01	2.7E-02	1.1E-06
817	0.76	7.6E-07	3.9E+01	4.4E-03	1.0E-03	1.8E-04	1.6E-01	2.7E-02	7.6E-07
818	1.06	1.1E-06	5.4E+01	4.4E-03	1.0E-03	2.5E-04	1.6E-01	2.7E-02	1.1E-06
819	0.73	7.3E-07	3.7E+01	4.4E-03	1.0E-03	1.7E-04	1.6E-01	2.7E-02	7.3E-07
820	0.96	9.6E-07	4.9E+01	4.4E-03	1.0E-03	2.2E-04	1.6E-01	2.7E-02	9.6E-07
821	0.21	2.1E-07	1.1E+01	4.4E-03	1.0E-03	5.0E-05	1.6E-01	2.7E-02	2.1E-07
822	0.27	2.7E-07	1.4E+01	4.4E-03	1.0E-03	6.3E-05	1.6E-01	2.7E-02	2.7E-07
823	0.35	3.5E-07	1.8E+01	4.4E-03	1.0E-03	8.1E-05	1.6E-01	2.7E-02	3.5E-07
824	0.26	2.6E-07	1.3E+01	4.4E-03	1.0E-03	5.9E-05	1.6E-01	2.7E-02	2.6E-07
825	0.34	3.4E-07	1.7E+01	4.4E-03	1.0E-03	7.9E-05	1.6E-01	2.7E-02	3.4E-07
826	0.47	4.7E-07	2.4E+01	4.4E-03	1.0E-03	1.1E-04	1.6E-01	2.7E-02	4.7E-07
827	0.31	3.1E-07	1.6E+01	4.4E-03	1.0E-03	7.1E-05	1.6E-01	2.7E-02	3.1E-07

828	0.44	4.4E-07	2.3E+01	4.4E-03	1.0E-03	1.0E-04	1.6E-01	2.7E-02	4.4E-07
829	0.52	5.2E-07	2.7E+01	4.4E-03	1.0E-03	1.2E-04	1.6E-01	2.7E-02	5.2E-07
830	0.35	3.5E-07	1.8E+01	4.4E-03	1.0E-03	8.2E-05	1.6E-01	2.7E-02	3.5E-07
831	0.54	5.4E-07	2.7E+01	4.4E-03	1.0E-03	1.3E-04	1.6E-01	2.7E-02	5.4E-07
832	0.55	5.5E-07	2.8E+01	4.4E-03	1.0E-03	1.3E-04	1.6E-01	2.7E-02	5.5E-07
833	0.38	3.8E-07	2.0E+01	4.4E-03	1.0E-03	8.9E-05	1.6E-01	2.7E-02	3.8E-07
834	0.58	5.8E-07	3.0E+01	4.4E-03	1.0E-03	1.4E-04	1.6E-01	2.7E-02	5.8E-07
835	0.53	5.3E-07	2.7E+01	4.4E-03	1.0E-03	1.2E-04	1.6E-01	2.7E-02	5.3E-07
836	0.40	4.0E-07	2.0E+01	4.4E-03	1.0E-03	9.2E-05	1.6E-01	2.7E-02	4.0E-07
837	0.59	5.9E-07	3.0E+01	4.4E-03	1.0E-03	1.4E-04	1.6E-01	2.7E-02	5.9E-07
838	0.65	6.5E-07	3.3E+01	4.4E-03	1.0E-03	1.5E-04	1.6E-01	2.7E-02	6.5E-07
839	0.41	4.1E-07	2.1E+01	4.4E-03	1.0E-03	9.4E-05	1.6E-01	2.7E-02	4.1E-07
840	0.60	6.0E-07	3.1E+01	4.4E-03	1.0E-03	1.4E-04	1.6E-01	2.7E-02	6.0E-07
841	0.69	6.9E-07	3.5E+01	4.4E-03	1.0E-03	1.6E-04	1.6E-01	2.7E-02	6.9E-07
842	0.41	4.1E-07	2.1E+01	4.4E-03	1.0E-03	9.4E-05	1.6E-01	2.7E-02	4.1E-07
843	0.52	5.2E-07	2.7E+01	4.4E-03	1.0E-03	1.2E-04	1.6E-01	2.7E-02	5.2E-07
844	0.67	6.7E-07	3.4E+01	4.4E-03	1.0E-03	1.6E-04	1.6E-01	2.7E-02	6.7E-07
845	0.38	3.8E-07	2.0E+01	4.4E-03	1.0E-03	8.9E-05	1.6E-01	2.7E-02	3.8E-07
846	0.60	6.0E-07	3.1E+01	4.4E-03	1.0E-03	1.4E-04	1.6E-01	2.7E-02	6.0E-07
847	0.62	6.2E-07	3.2E+01	4.4E-03	1.0E-03	1.4E-04	1.6E-01	2.7E-02	6.2E-07
848	0.35	3.5E-07	1.8E+01	4.4E-03	1.0E-03	8.0E-05	1.6E-01	2.7E-02	3.5E-07
849	0.51	5.1E-07	2.6E+01	4.4E-03	1.0E-03	1.2E-04	1.6E-01	2.7E-02	5.1E-07
850	0.61	6.1E-07	3.1E+01	4.4E-03	1.0E-03	1.4E-04	1.6E-01	2.7E-02	6.1E-07
851	0.36	3.6E-07	1.9E+01	4.4E-03	1.0E-03	8.4E-05	1.6E-01	2.7E-02	3.6E-07
852	0.53	5.3E-07	2.7E+01	4.4E-03	1.0E-03	1.2E-04	1.6E-01	2.7E-02	5.3E-07
853	0.62	6.2E-07	3.1E+01	4.4E-03	1.0E-03	1.4E-04	1.6E-01	2.7E-02	6.2E-07
854	0.84	8.4E-07	4.3E+01	4.4E-03	1.0E-03	1.9E-04	1.6E-01	2.7E-02	8.4E-07
855	0.78	7.8E-07	4.0E+01	4.4E-03	1.0E-03	1.8E-04	1.6E-01	2.7E-02	7.8E-07
856	0.31	3.1E-07	1.6E+01	4.4E-03	1.0E-03	7.2E-05	1.6E-01	2.7E-02	3.1E-07
857	0.42	4.2E-07	2.1E+01	4.4E-03	1.0E-03	9.7E-05	1.6E-01	2.7E-02	4.2E-07
858	0.57	5.7E-07	2.9E+01	4.4E-03	1.0E-03	1.3E-04	1.6E-01	2.7E-02	5.7E-07
859	0.79	7.9E-07	4.0E+01	4.4E-03	1.0E-03	1.8E-04	1.6E-01	2.7E-02	7.9E-07
860	0.72	7.2E-07	3.7E+01	4.4E-03	1.0E-03	1.7E-04	1.6E-01	2.7E-02	7.2E-07
861	0.27	2.7E-07	1.4E+01	4.4E-03	1.0E-03	6.2E-05	1.6E-01	2.7E-02	2.7E-07
862	0.35	3.5E-07	1.8E+01	4.4E-03	1.0E-03	8.1E-05	1.6E-01	2.7E-02	3.5E-07
863	0.46	4.6E-07	2.4E+01	4.4E-03	1.0E-03	1.1E-04	1.6E-01	2.7E-02	4.6E-07
864	0.64	6.4E-07	3.3E+01	4.4E-03	1.0E-03	1.5E-04	1.6E-01	2.7E-02	6.4E-07
865	0.64	6.4E-07	3.2E+01	4.4E-03	1.0E-03	1.5E-04	1.6E-01	2.7E-02	6.4E-07
866	0.35	3.5E-07	1.8E+01	4.4E-03	1.0E-03	8.2E-05	1.6E-01	2.7E-02	3.5E-07
867	0.47	4.7E-07	2.4E+01	4.4E-03	1.0E-03	1.1E-04	1.6E-01	2.7E-02	4.7E-07
868	0.64	6.4E-07	3.3E+01	4.4E-03	1.0E-03	1.5E-04	1.6E-01	2.7E-02	6.4E-07
869	0.72	7.2E-07	3.7E+01	4.4E-03	1.0E-03	1.7E-04	1.6E-01	2.7E-02	7.2E-07
870	0.53	5.3E-07	2.7E+01	4.4E-03	1.0E-03	1.2E-04	1.6E-01	2.7E-02	5.3E-07
871	0.55	5.5E-07	2.8E+01	4.4E-03	1.0E-03	1.3E-04	1.6E-01	2.7E-02	5.5E-07
872	0.76	7.6E-07	3.9E+01	4.4E-03	1.0E-03	1.8E-04	1.6E-01	2.7E-02	7.6E-07
873	0.00	0.0E+00		4.4E-03	1.0E-03	0.0E+00	1.6E-01	2.7E-02	0.0E+00

Risk From New Building Demo (Port. 2) - Unmitigated Residential

Franklin School Project

Risk From New Building Demo (Port. 2) - Unmitigated Residential

	0.43	Max								
									Onsite	
Receptor #	**Total/ Million**	**Total**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**
1	0.00	1.5E-09	2.0E-01	8.6E-03	1.0E-03	1.8E-06	1.6E-01	5.5E-03	1.5E-09	3.2E-01
2	0.00	1.7E-09	2.2E-01	8.6E-03	1.0E-03	2.0E-06	1.6E-01	5.5E-03	1.7E-09	3.6E-01
3	0.00	1.8E-09	2.4E-01	8.6E-03	1.0E-03	2.1E-06	1.6E-01	5.5E-03	1.8E-09	4.1E-01
4	0.00	2.0E-09	2.6E-01	8.6E-03	1.0E-03	2.4E-06	1.6E-01	5.5E-03	2.0E-09	4.6E-01
5	0.00	2.2E-09	2.9E-01	8.6E-03	1.0E-03	2.6E-06	1.6E-01	5.5E-03	2.2E-09	5.1E-01
6	0.00	2.4E-09	3.1E-01	8.6E-03	1.0E-03	2.8E-06	1.6E-01	5.5E-03	2.4E-09	5.5E-01
7	0.00	2.6E-09	3.3E-01	8.6E-03	1.0E-03	3.0E-06	1.6E-01	5.5E-03	2.6E-09	6.0E-01
8	0.00	2.7E-09	3.5E-01	8.6E-03	1.0E-03	3.1E-06	1.6E-01	5.5E-03	2.7E-09	6.4E-01
9	0.00	2.9E-09	3.7E-01	8.6E-03	1.0E-03	3.3E-06	1.6E-01	5.5E-03	2.9E-09	6.9E-01
10	0.00	3.0E-09	3.9E-01	8.6E-03	1.0E-03	3.5E-06	1.6E-01	5.5E-03	3.0E-09	7.5E-01
11	0.00	3.3E-09	4.2E-01	8.6E-03	1.0E-03	3.8E-06	1.6E-01	5.5E-03	3.3E-09	8.0E-01
12	0.00	3.5E-09	4.5E-01	8.6E-03	1.0E-03	4.1E-06	1.6E-01	5.5E-03	3.5E-09	8.4E-01
13	0.00	3.7E-09	4.8E-01	8.6E-03	1.0E-03	4.3E-06	1.6E-01	5.5E-03	3.7E-09	8.5E-01
14	0.00	3.9E-09	5.0E-01	8.6E-03	1.0E-03	4.5E-06	1.6E-01	5.5E-03	3.9E-09	8.3E-01
15	0.00	4.0E-09	5.2E-01	8.6E-03	1.0E-03	4.7E-06	1.6E-01	5.5E-03	4.0E-09	7.9E-01
16	0.00	4.1E-09	5.3E-01	8.6E-03	1.0E-03	4.7E-06	1.6E-01	5.5E-03	4.1E-09	7.4E-01
17	0.00	1.7E-09	2.2E-01	8.6E-03	1.0E-03	2.0E-06	1.6E-01	5.5E-03	1.7E-09	3.8E-01
18	0.00	1.9E-09	2.5E-01	8.6E-03	1.0E-03	2.2E-06	1.6E-01	5.5E-03	1.9E-09	4.4E-01
19	0.00	2.1E-09	2.8E-01	8.6E-03	1.0E-03	2.5E-06	1.6E-01	5.5E-03	2.1E-09	5.1E-01
20	0.00	2.4E-09	3.1E-01	8.6E-03	1.0E-03	2.8E-06	1.6E-01	5.5E-03	2.4E-09	5.8E-01
21	0.00	2.6E-09	3.4E-01	8.6E-03	1.0E-03	3.0E-06	1.6E-01	5.5E-03	2.6E-09	6.6E-01
22	0.00	2.9E-09	3.7E-01	8.6E-03	1.0E-03	3.3E-06	1.6E-01	5.5E-03	2.9E-09	7.3E-01
23	0.00	3.1E-09	4.0E-01	8.6E-03	1.0E-03	3.6E-06	1.6E-01	5.5E-03	3.1E-09	8.0E-01
24	0.00	3.3E-09	4.3E-01	8.6E-03	1.0E-03	3.9E-06	1.6E-01	5.5E-03	3.3E-09	8.7E-01
25	0.00	3.6E-09	4.6E-01	8.6E-03	1.0E-03	4.2E-06	1.6E-01	5.5E-03	3.6E-09	9.6E-01
26	0.00	3.8E-09	4.9E-01	8.6E-03	1.0E-03	4.4E-06	1.6E-01	5.5E-03	3.8E-09	1.1E+00
27	0.00	4.2E-09	5.4E-01	8.6E-03	1.0E-03	4.9E-06	1.6E-01	5.5E-03	4.2E-09	1.1E+00
28	0.00	4.5E-09	5.9E-01	8.6E-03	1.0E-03	5.3E-06	1.6E-01	5.5E-03	4.5E-09	1.1E+00
29	0.00	4.8E-09	6.2E-01	8.6E-03	1.0E-03	5.6E-06	1.6E-01	5.5E-03	4.8E-09	1.1E+00
30	0.01	5.0E-09	6.5E-01	8.6E-03	1.0E-03	5.8E-06	1.6E-01	5.5E-03	5.0E-09	1.0E+00
31	0.01	5.1E-09	6.6E-01	8.6E-03	1.0E-03	5.9E-06	1.6E-01	5.5E-03	5.1E-09	9.6E-01
32	0.01	5.1E-09	6.5E-01	8.6E-03	1.0E-03	5.9E-06	1.6E-01	5.5E-03	5.1E-09	8.7E-01
33	0.00	1.9E-09	2.5E-01	8.6E-03	1.0E-03	2.2E-06	1.6E-01	5.5E-03	1.9E-09	4.4E-01
34	0.00	2.2E-09	2.8E-01	8.6E-03	1.0E-03	2.5E-06	1.6E-01	5.5E-03	2.2E-09	5.3E-01
35	0.00	2.5E-09	3.2E-01	8.6E-03	1.0E-03	2.9E-06	1.6E-01	5.5E-03	2.5E-09	6.3E-01
36	0.00	2.8E-09	3.6E-01	8.6E-03	1.0E-03	3.3E-06	1.6E-01	5.5E-03	2.8E-09	7.6E-01
37	0.00	3.2E-09	4.1E-01	8.6E-03	1.0E-03	3.7E-06	1.6E-01	5.5E-03	3.2E-09	8.9E-01
38	0.00	3.5E-09	4.6E-01	8.6E-03	1.0E-03	4.1E-06	1.6E-01	5.5E-03	3.5E-09	1.0E+00
39	0.00	3.9E-09	5.1E-01	8.6E-03	1.0E-03	4.5E-06	1.6E-01	5.5E-03	3.9E-09	1.1E+00
40	0.00	4.2E-09	5.5E-01	8.6E-03	1.0E-03	4.9E-06	1.6E-01	5.5E-03	4.2E-09	1.3E+00
41	0.00	4.6E-09	5.9E-01	8.6E-03	1.0E-03	5.3E-06	1.6E-01	5.5E-03	4.6E-09	1.4E+00
42	0.00	5.0E-09	6.5E-01	8.6E-03	1.0E-03	5.8E-06	1.6E-01	5.5E-03	5.0E-09	1.5E+00
43	0.01	5.6E-09	7.2E-01	8.6E-03	1.0E-03	6.5E-06	1.6E-01	5.5E-03	5.6E-09	1.6E+00

44	0.01	6.1E-09	7.8E-01	8.6E-03	1.0E-03	7.0E-06	1.6E-01	5.5E-03	6.0E-09	1.5E+00
45	0.01	6.4E-09	8.3E-01	8.6E-03	1.0E-03	7.4E-06	1.6E-01	5.5E-03	6.4E-09	1.4E+00
46	0.01	6.6E-09	8.5E-01	8.6E-03	1.0E-03	7.6E-06	1.6E-01	5.5E-03	6.6E-09	1.3E+00
47	0.01	6.5E-09	8.4E-01	8.6E-03	1.0E-03	7.6E-06	1.6E-01	5.5E-03	6.5E-09	1.1E+00
48	0.01	6.3E-09	8.1E-01	8.6E-03	1.0E-03	7.3E-06	1.6E-01	5.5E-03	6.3E-09	9.8E-01
49	0.00	2.2E-09	2.8E-01	8.6E-03	1.0E-03	2.5E-06	1.6E-01	5.5E-03	2.2E-09	5.2E-01
50	0.00	2.5E-09	3.2E-01	8.6E-03	1.0E-03	2.9E-06	1.6E-01	5.5E-03	2.5E-09	6.4E-01
51	0.00	2.9E-09	3.8E-01	8.6E-03	1.0E-03	3.4E-06	1.6E-01	5.5E-03	2.9E-09	8.1E-01
52	0.00	3.4E-09	4.4E-01	8.6E-03	1.0E-03	3.9E-06	1.6E-01	5.5E-03	3.4E-09	1.0E+00
53	0.00	3.9E-09	5.0E-01	8.6E-03	1.0E-03	4.5E-06	1.6E-01	5.5E-03	3.9E-09	1.3E+00
54	0.00	4.5E-09	5.8E-01	8.6E-03	1.0E-03	5.2E-06	1.6E-01	5.5E-03	4.5E-09	1.5E+00
55	0.01	5.0E-09	6.5E-01	8.6E-03	1.0E-03	5.9E-06	1.6E-01	5.5E-03	5.0E-09	1.7E+00
56	0.01	5.6E-09	7.2E-01	8.6E-03	1.0E-03	6.4E-06	1.6E-01	5.5E-03	5.6E-09	2.0E+00
57	0.01	6.1E-09	7.9E-01	8.6E-03	1.0E-03	7.1E-06	1.6E-01	5.5E-03	6.1E-09	2.3E+00
58	0.01	6.8E-09	8.9E-01	8.6E-03	1.0E-03	7.9E-06	1.6E-01	5.5E-03	6.8E-09	2.4E+00
59	0.01	7.8E-09	1.0E+00	8.6E-03	1.0E-03	9.1E-06	1.6E-01	5.5E-03	7.8E-09	2.3E+00
60	0.01	8.4E-09	1.1E+00	8.6E-03	1.0E-03	9.8E-06	1.6E-01	5.5E-03	8.4E-09	2.1E+00
61	0.01	8.7E-09	1.1E+00	8.6E-03	1.0E-03	1.0E-05	1.6E-01	5.5E-03	8.7E-09	1.8E+00
62	0.01	8.7E-09	1.1E+00	8.6E-03	1.0E-03	1.0E-05	1.6E-01	5.5E-03	8.7E-09	1.5E+00
63	0.01	8.3E-09	1.1E+00	8.6E-03	1.0E-03	9.7E-06	1.6E-01	5.5E-03	8.3E-09	1.3E+00
64	0.01	7.8E-09	1.0E+00	8.6E-03	1.0E-03	9.0E-06	1.6E-01	5.5E-03	7.8E-09	1.1E+00
65	0.00	2.4E-09	3.1E-01	8.6E-03	1.0E-03	2.8E-06	1.6E-01	5.5E-03	2.4E-09	6.0E-01
66	0.00	2.9E-09	3.7E-01	8.6E-03	1.0E-03	3.3E-06	1.6E-01	5.5E-03	2.9E-09	7.8E-01
67	0.00	3.4E-09	4.4E-01	8.6E-03	1.0E-03	4.0E-06	1.6E-01	5.5E-03	3.4E-09	1.0E+00
68	0.00	4.1E-09	5.3E-01	8.6E-03	1.0E-03	4.7E-06	1.6E-01	5.5E-03	4.1E-09	1.4E+00
69	0.00	4.9E-09	6.3E-01	8.6E-03	1.0E-03	5.7E-06	1.6E-01	5.5E-03	4.9E-09	1.9E+00
70	0.01	5.8E-09	7.5E-01	8.6E-03	1.0E-03	6.8E-06	1.6E-01	5.5E-03	5.8E-09	2.5E+00
71	0.01	6.8E-09	8.8E-01	8.6E-03	1.0E-03	7.9E-06	1.6E-01	5.5E-03	6.8E-09	3.0E+00
72	0.01	7.7E-09	1.0E+00	8.6E-03	1.0E-03	9.0E-06	1.6E-01	5.5E-03	7.7E-09	3.6E+00
73	0.01	8.8E-09	1.1E+00	8.6E-03	1.0E-03	1.0E-05	1.6E-01	5.5E-03	8.8E-09	3.9E+00
74	0.01	1.0E-08	1.3E+00	8.6E-03	1.0E-03	1.2E-05	1.6E-01	5.5E-03	1.0E-08	3.7E+00
75	0.01	1.2E-08	1.5E+00	8.6E-03	1.0E-03	1.3E-05	1.6E-01	5.5E-03	1.2E-08	3.2E+00
76	0.01	1.2E-08	1.6E+00	8.6E-03	1.0E-03	1.4E-05	1.6E-01	5.5E-03	1.2E-08	2.6E+00
77	0.01	1.2E-08	1.6E+00	8.6E-03	1.0E-03	1.4E-05	1.6E-01	5.5E-03	1.2E-08	2.1E+00
78	0.01	1.2E-08	1.5E+00	8.6E-03	1.0E-03	1.3E-05	1.6E-01	5.5E-03	1.2E-08	1.7E+00
79	0.01	1.1E-08	1.4E+00	8.6E-03	1.0E-03	1.2E-05	1.6E-01	5.5E-03	1.1E-08	1.4E+00
80	0.01	9.4E-09	1.2E+00	8.6E-03	1.0E-03	1.1E-05	1.6E-01	5.5E-03	9.4E-09	1.1E+00
81	0.00	2.7E-09	3.5E-01	8.6E-03	1.0E-03	3.1E-06	1.6E-01	5.5E-03	2.7E-09	6.8E-01
82	0.00	3.3E-09	4.2E-01	8.6E-03	1.0E-03	3.8E-06	1.6E-01	5.5E-03	3.3E-09	9.3E-01
83	0.00	4.0E-09	5.2E-01	8.6E-03	1.0E-03	4.6E-06	1.6E-01	5.5E-03	4.0E-09	1.3E+00
84	0.00	5.0E-09	6.4E-01	8.6E-03	1.0E-03	5.8E-06	1.6E-01	5.5E-03	5.0E-09	2.0E+00
85	0.01	6.2E-09	8.1E-01	8.6E-03	1.0E-03	7.2E-06	1.6E-01	5.5E-03	6.2E-09	3.1E+00
86	0.01	7.8E-09	1.0E+00	8.6E-03	1.0E-03	9.1E-06	1.6E-01	5.5E-03	7.8E-09	4.8E+00
87	0.01	9.7E-09	1.3E+00	8.6E-03	1.0E-03	1.1E-05	1.6E-01	5.5E-03	9.7E-09	6.6E+00
88	0.01	1.2E-08	1.5E+00	8.6E-03	1.0E-03	1.4E-05	1.6E-01	5.5E-03	1.2E-08	7.9E+00
89	0.01	1.4E-08	1.8E+00	8.6E-03	1.0E-03	1.6E-05	1.6E-01	5.5E-03	1.4E-08	7.2E+00
90	0.02	1.7E-08	2.2E+00	8.6E-03	1.0E-03	2.0E-05	1.6E-01	5.5E-03	1.7E-08	5.6E+00
91	0.02	1.8E-08	2.4E+00	8.6E-03	1.0E-03	2.1E-05	1.6E-01	5.5E-03	1.8E-08	4.2E+00
92	0.02	1.8E-08	2.4E+00	8.6E-03	1.0E-03	2.1E-05	1.6E-01	5.5E-03	1.8E-08	3.1E+00

93	0.02	1.7E-08	2.2E+00	8.6E-03	1.0E-03	2.0E-05	1.6E-01	5.5E-03	1.7E-08	2.3E+00
94	0.02	1.5E-08	1.9E+00	8.6E-03	1.0E-03	1.7E-05	1.6E-01	5.5E-03	1.5E-08	1.8E+00
95	0.01	1.3E-08	1.7E+00	8.6E-03	1.0E-03	1.5E-05	1.6E-01	5.5E-03	1.3E-08	1.4E+00
96	0.01	1.1E-08	1.4E+00	8.6E-03	1.0E-03	1.3E-05	1.6E-01	5.5E-03	1.1E-08	1.1E+00
97	0.00	3.0E-09	3.8E-01	8.6E-03	1.0E-03	3.4E-06	1.6E-01	5.5E-03	3.0E-09	7.5E-01
98	0.00	3.7E-09	4.7E-01	8.6E-03	1.0E-03	4.3E-06	1.6E-01	5.5E-03	3.7E-09	1.1E+00
99	0.00	4.7E-09	6.0E-01	8.6E-03	1.0E-03	5.4E-06	1.6E-01	5.5E-03	4.7E-09	1.6E+00
100	0.01	6.0E-09	7.8E-01	8.6E-03	1.0E-03	7.0E-06	1.6E-01	5.5E-03	6.0E-09	2.7E+00
101	0.01	8.0E-09	1.0E+00	8.6E-03	1.0E-03	9.3E-06	1.6E-01	5.5E-03	8.0E-09	5.2E+00
102	0.01	1.1E-08	1.4E+00	8.6E-03	1.0E-03	1.3E-05	1.6E-01	5.5E-03	1.1E-08	1.2E+01
103	0.01	1.5E-08	1.9E+00	8.6E-03	1.0E-03	1.7E-05	1.6E-01	5.5E-03	1.5E-08	2.3E+01
104	0.02	2.0E-08	2.6E+00	8.6E-03	1.0E-03	2.3E-05	1.6E-01	5.5E-03	2.0E-08	2.0E+01
105	0.03	2.5E-08	3.3E+00	8.6E-03	1.0E-03	3.0E-05	1.6E-01	5.5E-03	2.5E-08	1.2E+01
106	0.03	3.1E-08	4.0E+00	8.6E-03	1.0E-03	3.6E-05	1.6E-01	5.5E-03	3.1E-08	7.4E+00
107	0.03	3.1E-08	4.0E+00	8.6E-03	1.0E-03	3.6E-05	1.6E-01	5.5E-03	3.1E-08	4.7E+00
108	0.03	2.7E-08	3.6E+00	8.6E-03	1.0E-03	3.2E-05	1.6E-01	5.5E-03	2.7E-08	3.2E+00
109	0.02	2.3E-08	3.0E+00	8.6E-03	1.0E-03	2.7E-05	1.6E-01	5.5E-03	2.3E-08	2.3E+00
110	0.02	1.9E-08	2.4E+00	8.6E-03	1.0E-03	2.2E-05	1.6E-01	5.5E-03	1.9E-08	1.7E+00
111	0.02	1.5E-08	1.9E+00	8.6E-03	1.0E-03	1.7E-05	1.6E-01	5.5E-03	1.5E-08	1.3E+00
112	0.01	1.2E-08	1.6E+00	8.6E-03	1.0E-03	1.4E-05	1.6E-01	5.5E-03	1.2E-08	1.0E+00
113	0.00	3.2E-09	4.2E-01	8.6E-03	1.0E-03	3.7E-06	1.6E-01	5.5E-03	3.2E-09	7.9E-01
114	0.00	4.1E-09	5.3E-01	8.6E-03	1.0E-03	4.7E-06	1.6E-01	5.5E-03	4.1E-09	1.1E+00
115	0.01	5.3E-09	6.9E-01	8.6E-03	1.0E-03	6.2E-06	1.6E-01	5.5E-03	5.3E-09	1.8E+00
116	0.01	7.2E-09	9.4E-01	8.6E-03	1.0E-03	8.4E-06	1.6E-01	5.5E-03	7.2E-09	3.3E+00
117	0.01	1.0E-08	1.3E+00	8.6E-03	1.0E-03	1.2E-05	1.6E-01	5.5E-03	1.0E-08	7.6E+00
118	0.06	6.5E-08	8.4E+00	8.6E-03	1.0E-03	7.5E-05	1.6E-01	5.5E-03	6.5E-08	7.7E+00
119	0.05	5.2E-08	6.7E+00	8.6E-03	1.0E-03	6.0E-05	1.6E-01	5.5E-03	5.2E-08	4.5E+00
120	0.04	3.9E-08	5.1E+00	8.6E-03	1.0E-03	4.5E-05	1.6E-01	5.5E-03	3.9E-08	3.0E+00
121	0.03	2.9E-08	3.8E+00	8.6E-03	1.0E-03	3.4E-05	1.6E-01	5.5E-03	2.9E-08	2.1E+00
122	0.02	2.2E-08	2.8E+00	8.6E-03	1.0E-03	2.5E-05	1.6E-01	5.5E-03	2.2E-08	1.5E+00
123	0.02	1.6E-08	2.1E+00	8.6E-03	1.0E-03	1.9E-05	1.6E-01	5.5E-03	1.6E-08	1.1E+00
124	0.01	1.3E-08	1.6E+00	8.6E-03	1.0E-03	1.5E-05	1.6E-01	5.5E-03	1.3E-08	9.0E-01
125	0.00	3.4E-09	4.4E-01	8.6E-03	1.0E-03	3.9E-06	1.6E-01	5.5E-03	3.4E-09	7.8E-01
126	0.00	4.4E-09	5.6E-01	8.6E-03	1.0E-03	5.1E-06	1.6E-01	5.5E-03	4.4E-09	1.1E+00
127	0.01	5.8E-09	7.6E-01	8.6E-03	1.0E-03	6.8E-06	1.6E-01	5.5E-03	5.8E-09	1.8E+00
128	0.01	8.2E-09	1.1E+00	8.6E-03	1.0E-03	9.6E-06	1.6E-01	5.5E-03	8.2E-09	3.3E+00
129	0.01	1.2E-08	1.6E+00	8.6E-03	1.0E-03	1.4E-05	1.6E-01	5.5E-03	1.2E-08	7.4E+00
130	0.13	1.3E-07	1.7E+01	8.6E-03	1.0E-03	1.5E-04	1.6E-01	5.5E-03	1.3E-07	6.3E+00
131	0.08	7.8E-08	1.0E+01	8.6E-03	1.0E-03	9.0E-05	1.6E-01	5.5E-03	7.8E-08	3.7E+00
132	0.05	4.9E-08	6.3E+00	8.6E-03	1.0E-03	5.7E-05	1.6E-01	5.5E-03	4.9E-08	2.4E+00
133	0.03	3.3E-08	4.2E+00	8.6E-03	1.0E-03	3.8E-05	1.6E-01	5.5E-03	3.3E-08	1.7E+00
134	0.02	2.3E-08	2.9E+00	8.6E-03	1.0E-03	2.6E-05	1.6E-01	5.5E-03	2.3E-08	1.3E+00
135	0.02	1.6E-08	2.1E+00	8.6E-03	1.0E-03	1.9E-05	1.6E-01	5.5E-03	1.6E-08	9.9E-01
136	0.01	1.2E-08	1.6E+00	8.6E-03	1.0E-03	1.4E-05	1.6E-01	5.5E-03	1.2E-08	7.8E-01
137	0.00	3.5E-09	4.5E-01	8.6E-03	1.0E-03	4.0E-06	1.6E-01	5.5E-03	3.5E-09	7.4E-01
138	0.00	4.5E-09	5.9E-01	8.6E-03	1.0E-03	5.3E-06	1.6E-01	5.5E-03	4.5E-09	1.0E+00
139	0.01	6.1E-09	7.9E-01	8.6E-03	1.0E-03	7.1E-06	1.6E-01	5.5E-03	6.1E-09	1.6E+00
140	0.01	8.8E-09	1.1E+00	8.6E-03	1.0E-03	1.0E-05	1.6E-01	5.5E-03	8.8E-09	2.7E+00
141	0.01	1.4E-08	1.8E+00	8.6E-03	1.0E-03	1.6E-05	1.6E-01	5.5E-03	1.4E-08	5.0E+00

142	0.19	1.9E-07	2.5E+01	8.6E-03	1.0E-03	2.3E-04	1.6E-01	5.5E-03	1.9E-07	4.5E+00
143	0.09	9.4E-08	1.2E+01	8.6E-03	1.0E-03	1.1E-04	1.6E-01	5.5E-03	9.4E-08	2.9E+00
144	0.05	5.1E-08	6.7E+00	8.6E-03	1.0E-03	6.0E-05	1.6E-01	5.5E-03	5.1E-08	2.0E+00
145	0.03	3.2E-08	4.2E+00	8.6E-03	1.0E-03	3.8E-05	1.6E-01	5.5E-03	3.2E-08	1.5E+00
146	0.02	2.1E-08	2.8E+00	8.6E-03	1.0E-03	2.5E-05	1.6E-01	5.5E-03	2.1E-08	1.1E+00
147	0.02	1.5E-08	1.9E+00	8.6E-03	1.0E-03	1.7E-05	1.6E-01	5.5E-03	1.5E-08	8.6E-01
148	0.01	1.1E-08	1.4E+00	8.6E-03	1.0E-03	1.3E-05	1.6E-01	5.5E-03	1.1E-08	6.9E-01
149	0.00	3.4E-09	4.5E-01	8.6E-03	1.0E-03	4.0E-06	1.6E-01	5.5E-03	3.4E-09	6.7E-01
150	0.00	4.4E-09	5.7E-01	8.6E-03	1.0E-03	5.1E-06	1.6E-01	5.5E-03	4.4E-09	9.0E-01
151	0.01	6.0E-09	7.8E-01	8.6E-03	1.0E-03	7.0E-06	1.6E-01	5.5E-03	6.0E-09	1.3E+00
152	0.01	8.7E-09	1.1E+00	8.6E-03	1.0E-03	1.0E-05	1.6E-01	5.5E-03	8.6E-09	2.0E+00
153	0.01	1.3E-08	1.7E+00	8.6E-03	1.0E-03	1.6E-05	1.6E-01	5.5E-03	1.3E-08	3.1E+00
154	0.30	3.0E-07	3.8E+01	8.6E-03	1.0E-03	3.4E-04	1.6E-01	5.5E-03	3.0E-07	3.3E+00
155	0.09	8.8E-08	1.1E+01	8.6E-03	1.0E-03	1.0E-04	1.6E-01	5.5E-03	8.8E-08	2.3E+00
156	0.04	4.3E-08	5.6E+00	8.6E-03	1.0E-03	5.0E-05	1.6E-01	5.5E-03	4.3E-08	1.6E+00
157	0.03	2.7E-08	3.6E+00	8.6E-03	1.0E-03	3.2E-05	1.6E-01	5.5E-03	2.7E-08	1.2E+00
158	0.02	1.8E-08	2.4E+00	8.6E-03	1.0E-03	2.1E-05	1.6E-01	5.5E-03	1.8E-08	9.6E-01
159	0.01	1.3E-08	1.7E+00	8.6E-03	1.0E-03	1.5E-05	1.6E-01	5.5E-03	1.3E-08	7.6E-01
160	0.01	9.6E-09	1.2E+00	8.6E-03	1.0E-03	1.1E-05	1.6E-01	5.5E-03	9.6E-09	6.1E-01
161	0.00	3.1E-09	4.0E-01	8.6E-03	1.0E-03	3.6E-06	1.6E-01	5.5E-03	3.1E-09	5.9E-01
162	0.00	4.0E-09	5.2E-01	8.6E-03	1.0E-03	4.6E-06	1.6E-01	5.5E-03	4.0E-09	7.6E-01
163	0.01	5.3E-09	6.9E-01	8.6E-03	1.0E-03	6.2E-06	1.6E-01	5.5E-03	5.3E-09	1.0E+00
164	0.01	7.8E-09	1.0E+00	8.6E-03	1.0E-03	9.0E-06	1.6E-01	5.5E-03	7.8E-09	1.4E+00
165	0.01	1.2E-08	1.6E+00	8.6E-03	1.0E-03	1.4E-05	1.6E-01	5.5E-03	1.2E-08	2.1E+00
166	0.02	2.1E-08	2.7E+00	8.6E-03	1.0E-03	2.4E-05	1.6E-01	5.5E-03	2.1E-08	2.9E+00
167	0.04	4.2E-08	5.5E+00	8.6E-03	1.0E-03	4.9E-05	1.6E-01	5.5E-03	4.2E-08	3.6E+00
168	0.12	1.2E-07	1.5E+01	8.6E-03	1.0E-03	1.3E-04	1.6E-01	5.5E-03	1.2E-07	3.6E+00
169	0.19	1.9E-07	2.5E+01	8.6E-03	1.0E-03	2.2E-04	1.6E-01	5.5E-03	1.9E-07	3.1E+00
170	0.12	1.2E-07	1.6E+01	8.6E-03	1.0E-03	1.4E-04	1.6E-01	5.5E-03	1.2E-07	2.5E+00
171	0.06	6.0E-08	7.8E+00	8.6E-03	1.0E-03	7.0E-05	1.6E-01	5.5E-03	6.0E-08	1.9E+00
172	0.03	3.1E-08	4.0E+00	8.6E-03	1.0E-03	3.6E-05	1.6E-01	5.5E-03	3.1E-08	1.3E+00
173	0.02	2.0E-08	2.6E+00	8.6E-03	1.0E-03	2.4E-05	1.6E-01	5.5E-03	2.0E-08	1.0E+00
174	0.01	1.5E-08	1.9E+00	8.6E-03	1.0E-03	1.7E-05	1.6E-01	5.5E-03	1.5E-08	8.5E-01
175	0.01	1.1E-08	1.4E+00	8.6E-03	1.0E-03	1.3E-05	1.6E-01	5.5E-03	1.1E-08	6.8E-01
176	0.01	8.1E-09	1.1E+00	8.6E-03	1.0E-03	9.5E-06	1.6E-01	5.5E-03	8.1E-09	5.6E-01
177	0.00	2.9E-09	3.8E-01	8.6E-03	1.0E-03	3.4E-06	1.6E-01	5.5E-03	2.9E-09	5.1E-01
178	0.00	3.7E-09	4.8E-01	8.6E-03	1.0E-03	4.3E-06	1.6E-01	5.5E-03	3.7E-09	6.4E-01
179	0.00	4.7E-09	6.1E-01	8.6E-03	1.0E-03	5.5E-06	1.6E-01	5.5E-03	4.7E-09	8.2E-01
180	0.01	7.0E-09	9.0E-01	8.6E-03	1.0E-03	8.1E-06	1.6E-01	5.5E-03	7.0E-09	1.1E+00
181	0.01	1.0E-08	1.3E+00	8.6E-03	1.0E-03	1.2E-05	1.6E-01	5.5E-03	1.0E-08	1.5E+00
182	0.02	1.6E-08	2.0E+00	8.6E-03	1.0E-03	1.8E-05	1.6E-01	5.5E-03	1.6E-08	1.9E+00
183	0.03	2.6E-08	3.4E+00	8.6E-03	1.0E-03	3.1E-05	1.6E-01	5.5E-03	2.6E-08	2.2E+00
184	0.04	4.5E-08	5.8E+00	8.6E-03	1.0E-03	5.2E-05	1.6E-01	5.5E-03	4.5E-08	2.3E+00
185	0.06	6.0E-08	7.8E+00	8.6E-03	1.0E-03	7.0E-05	1.6E-01	5.5E-03	6.0E-08	2.2E+00
186	0.05	5.3E-08	6.9E+00	8.6E-03	1.0E-03	6.2E-05	1.6E-01	5.5E-03	5.3E-08	1.8E+00
187	0.04	3.7E-08	4.8E+00	8.6E-03	1.0E-03	4.3E-05	1.6E-01	5.5E-03	3.7E-08	1.5E+00
188	0.02	2.5E-08	3.2E+00	8.6E-03	1.0E-03	2.9E-05	1.6E-01	5.5E-03	2.5E-08	1.2E+00
189	0.02	1.6E-08	2.0E+00	8.6E-03	1.0E-03	1.8E-05	1.6E-01	5.5E-03	1.6E-08	9.0E-01
190	0.01	1.2E-08	1.6E+00	8.6E-03	1.0E-03	1.4E-05	1.6E-01	5.5E-03	1.2E-08	7.6E-01

191	0.01	9.2E-09	1.2E+00	8.6E-03	1.0E-03	1.1E-05	1.6E-01	5.5E-03	9.2E-09	6.3E-01
192	0.01	7.1E-09	9.2E-01	8.6E-03	1.0E-03	8.2E-06	1.6E-01	5.5E-03	7.1E-09	5.2E-01
193	0.00	2.7E-09	3.5E-01	8.6E-03	1.0E-03	3.1E-06	1.6E-01	5.5E-03	2.7E-09	4.4E-01
194	0.00	3.4E-09	4.5E-01	8.6E-03	1.0E-03	4.0E-06	1.6E-01	5.5E-03	3.4E-09	5.4E-01
195	0.00	4.6E-09	5.9E-01	8.6E-03	1.0E-03	5.3E-06	1.6E-01	5.5E-03	4.6E-09	6.7E-01
196	0.01	6.0E-09	7.8E-01	8.6E-03	1.0E-03	7.0E-06	1.6E-01	5.5E-03	6.0E-09	8.6E-01
197	0.01	8.2E-09	1.1E+00	8.6E-03	1.0E-03	9.5E-06	1.6E-01	5.5E-03	8.2E-09	1.1E+00
198	0.01	1.2E-08	1.5E+00	8.6E-03	1.0E-03	1.4E-05	1.6E-01	5.5E-03	1.2E-08	1.3E+00
199	0.02	1.7E-08	2.2E+00	8.6E-03	1.0E-03	2.0E-05	1.6E-01	5.5E-03	1.7E-08	1.5E+00
200	0.02	2.4E-08	3.2E+00	8.6E-03	1.0E-03	2.8E-05	1.6E-01	5.5E-03	2.4E-08	1.6E+00
201	0.03	3.0E-08	3.9E+00	8.6E-03	1.0E-03	3.5E-05	1.6E-01	5.5E-03	3.0E-08	1.5E+00
202	0.03	2.9E-08	3.7E+00	8.6E-03	1.0E-03	3.4E-05	1.6E-01	5.5E-03	2.9E-08	1.4E+00
203	0.02	2.3E-08	2.9E+00	8.6E-03	1.0E-03	2.6E-05	1.6E-01	5.5E-03	2.3E-08	1.1E+00
204	0.02	1.7E-08	2.3E+00	8.6E-03	1.0E-03	2.0E-05	1.6E-01	5.5E-03	1.7E-08	9.7E-01
205	0.01	1.3E-08	1.7E+00	8.6E-03	1.0E-03	1.5E-05	1.6E-01	5.5E-03	1.3E-08	8.0E-01
206	0.01	9.6E-09	1.2E+00	8.6E-03	1.0E-03	1.1E-05	1.6E-01	5.5E-03	9.6E-09	6.5E-01
207	0.01	8.0E-09	1.0E+00	8.6E-03	1.0E-03	9.3E-06	1.6E-01	5.5E-03	8.0E-09	5.7E-01
208	0.01	6.3E-09	8.2E-01	8.6E-03	1.0E-03	7.4E-06	1.6E-01	5.5E-03	6.3E-09	4.8E-01
209	0.00	2.6E-09	3.4E-01	8.6E-03	1.0E-03	3.1E-06	1.6E-01	5.5E-03	2.6E-09	3.8E-01
210	0.00	3.2E-09	4.2E-01	8.6E-03	1.0E-03	3.7E-06	1.6E-01	5.5E-03	3.2E-09	4.6E-01
211	0.00	4.0E-09	5.2E-01	8.6E-03	1.0E-03	4.7E-06	1.6E-01	5.5E-03	4.0E-09	5.6E-01
212	0.01	5.1E-09	6.5E-01	8.6E-03	1.0E-03	5.9E-06	1.6E-01	5.5E-03	5.1E-09	6.8E-01
213	0.01	6.6E-09	8.5E-01	8.6E-03	1.0E-03	7.6E-06	1.6E-01	5.5E-03	6.6E-09	8.3E-01
214	0.01	8.9E-09	1.2E+00	8.6E-03	1.0E-03	1.0E-05	1.6E-01	5.5E-03	8.9E-09	9.7E-01
215	0.01	1.2E-08	1.6E+00	8.6E-03	1.0E-03	1.4E-05	1.6E-01	5.5E-03	1.2E-08	1.1E+00
216	0.02	1.5E-08	2.0E+00	8.6E-03	1.0E-03	1.8E-05	1.6E-01	5.5E-03	1.5E-08	1.1E+00
217	0.02	1.8E-08	2.3E+00	8.6E-03	1.0E-03	2.1E-05	1.6E-01	5.5E-03	1.8E-08	1.1E+00
218	0.02	1.8E-08	2.3E+00	8.6E-03	1.0E-03	2.1E-05	1.6E-01	5.5E-03	1.8E-08	1.1E+00
219	0.02	1.7E-08	2.1E+00	8.6E-03	1.0E-03	1.9E-05	1.6E-01	5.5E-03	1.7E-08	9.6E-01
220	0.01	1.4E-08	1.8E+00	8.6E-03	1.0E-03	1.6E-05	1.6E-01	5.5E-03	1.4E-08	8.4E-01
221	0.01	1.1E-08	1.4E+00	8.6E-03	1.0E-03	1.3E-05	1.6E-01	5.5E-03	1.1E-08	7.2E-01
222	0.01	8.1E-09	1.1E+00	8.6E-03	1.0E-03	9.5E-06	1.6E-01	5.5E-03	8.1E-09	5.8E-01
223	0.01	6.5E-09	8.4E-01	8.6E-03	1.0E-03	7.5E-06	1.6E-01	5.5E-03	6.5E-09	4.9E-01
224	0.01	5.7E-09	7.4E-01	8.6E-03	1.0E-03	6.6E-06	1.6E-01	5.5E-03	5.7E-09	4.4E-01
225	0.00	2.4E-09	3.1E-01	8.6E-03	1.0E-03	2.8E-06	1.6E-01	5.5E-03	2.4E-09	3.4E-01
226	0.00	2.9E-09	3.7E-01	8.6E-03	1.0E-03	3.3E-06	1.6E-01	5.5E-03	2.9E-09	4.0E-01
227	0.00	3.5E-09	4.5E-01	8.6E-03	1.0E-03	4.0E-06	1.6E-01	5.5E-03	3.5E-09	4.7E-01
228	0.00	4.3E-09	5.6E-01	8.6E-03	1.0E-03	5.0E-06	1.6E-01	5.5E-03	4.3E-09	5.6E-01
229	0.01	5.4E-09	7.0E-01	8.6E-03	1.0E-03	6.3E-06	1.6E-01	5.5E-03	5.4E-09	6.5E-01
230	0.01	6.9E-09	9.0E-01	8.6E-03	1.0E-03	8.0E-06	1.6E-01	5.5E-03	6.9E-09	7.5E-01
231	0.01	8.8E-09	1.1E+00	8.6E-03	1.0E-03	1.0E-05	1.6E-01	5.5E-03	8.8E-09	8.3E-01
232	0.01	1.1E-08	1.4E+00	8.6E-03	1.0E-03	1.2E-05	1.6E-01	5.5E-03	1.1E-08	8.7E-01
233	0.01	1.2E-08	1.6E+00	8.6E-03	1.0E-03	1.4E-05	1.6E-01	5.5E-03	1.2E-08	8.7E-01
234	0.01	1.2E-08	1.6E+00	8.6E-03	1.0E-03	1.4E-05	1.6E-01	5.5E-03	1.2E-08	8.4E-01
235	0.01	1.2E-08	1.5E+00	8.6E-03	1.0E-03	1.4E-05	1.6E-01	5.5E-03	1.2E-08	7.8E-01
236	0.01	1.1E-08	1.4E+00	8.6E-03	1.0E-03	1.2E-05	1.6E-01	5.5E-03	1.1E-08	7.1E-01
237	0.01	9.0E-09	1.2E+00	8.6E-03	1.0E-03	1.0E-05	1.6E-01	5.5E-03	9.0E-09	6.2E-01
238	0.01	7.5E-09	9.7E-01	8.6E-03	1.0E-03	8.7E-06	1.6E-01	5.5E-03	7.5E-09	5.4E-01
239	0.01	5.7E-09	7.4E-01	8.6E-03	1.0E-03	6.6E-06	1.6E-01	5.5E-03	5.7E-09	4.4E-01

240	0.00	4.7E-09	6.1E-01	8.6E-03	1.0E-03	5.5E-06	1.6E-01	5.5E-03	4.7E-09	3.8E-01
241	0.00	2.2E-09	2.8E-01	8.6E-03	1.0E-03	2.5E-06	1.6E-01	5.5E-03	2.2E-09	2.9E-01
242	0.00	2.5E-09	3.3E-01	8.6E-03	1.0E-03	3.0E-06	1.6E-01	5.5E-03	2.5E-09	3.4E-01
243	0.00	3.0E-09	3.9E-01	8.6E-03	1.0E-03	3.5E-06	1.6E-01	5.5E-03	3.0E-09	4.0E-01
244	0.00	3.6E-09	4.7E-01	8.6E-03	1.0E-03	4.2E-06	1.6E-01	5.5E-03	3.6E-09	4.6E-01
245	0.00	4.4E-09	5.7E-01	8.6E-03	1.0E-03	5.2E-06	1.6E-01	5.5E-03	4.4E-09	5.3E-01
246	0.01	5.4E-09	7.0E-01	8.6E-03	1.0E-03	6.3E-06	1.6E-01	5.5E-03	5.4E-09	6.0E-01
247	0.01	6.7E-09	8.6E-01	8.6E-03	1.0E-03	7.7E-06	1.6E-01	5.5E-03	6.7E-09	6.5E-01
248	0.01	7.8E-09	1.0E+00	8.6E-03	1.0E-03	9.1E-06	1.6E-01	5.5E-03	7.8E-09	6.8E-01
249	0.01	8.7E-09	1.1E+00	8.6E-03	1.0E-03	1.0E-05	1.6E-01	5.5E-03	8.7E-09	6.9E-01
250	0.01	9.1E-09	1.2E+00	8.6E-03	1.0E-03	1.1E-05	1.6E-01	5.5E-03	9.1E-09	6.7E-01
251	0.01	8.9E-09	1.1E+00	8.6E-03	1.0E-03	1.0E-05	1.6E-01	5.5E-03	8.9E-09	6.4E-01
252	0.01	8.2E-09	1.1E+00	8.6E-03	1.0E-03	9.5E-06	1.6E-01	5.5E-03	8.2E-09	5.9E-01
253	0.01	7.3E-09	9.5E-01	8.6E-03	1.0E-03	8.5E-06	1.6E-01	5.5E-03	7.3E-09	5.4E-01
254	0.01	6.3E-09	8.2E-01	8.6E-03	1.0E-03	7.4E-06	1.6E-01	5.5E-03	6.3E-09	4.8E-01
255	0.01	5.3E-09	6.9E-01	8.6E-03	1.0E-03	6.1E-06	1.6E-01	5.5E-03	5.3E-09	4.2E-01
256	0.00	4.2E-09	5.4E-01	8.6E-03	1.0E-03	4.9E-06	1.6E-01	5.5E-03	4.2E-09	3.5E-01
257	0.00	1.9E-09	2.5E-01	8.6E-03	1.0E-03	2.3E-06	1.6E-01	5.5E-03	1.9E-09	2.6E-01
258	0.00	2.2E-09	2.9E-01	8.6E-03	1.0E-03	2.6E-06	1.6E-01	5.5E-03	2.2E-09	3.0E-01
259	0.00	2.6E-09	3.4E-01	8.6E-03	1.0E-03	3.0E-06	1.6E-01	5.5E-03	2.6E-09	3.4E-01
260	0.00	3.1E-09	4.0E-01	8.6E-03	1.0E-03	3.6E-06	1.6E-01	5.5E-03	3.1E-09	3.9E-01
261	0.00	3.7E-09	4.8E-01	8.6E-03	1.0E-03	4.3E-06	1.6E-01	5.5E-03	3.7E-09	4.4E-01
262	0.00	4.4E-09	5.7E-01	8.6E-03	1.0E-03	5.1E-06	1.6E-01	5.5E-03	4.4E-09	4.9E-01
263	0.01	5.2E-09	6.8E-01	8.6E-03	1.0E-03	6.1E-06	1.6E-01	5.5E-03	5.2E-09	5.3E-01
264	0.01	6.0E-09	7.8E-01	8.6E-03	1.0E-03	7.0E-06	1.6E-01	5.5E-03	6.0E-09	5.5E-01
265	0.01	6.6E-09	8.5E-01	8.6E-03	1.0E-03	7.6E-06	1.6E-01	5.5E-03	6.6E-09	5.6E-01
266	0.01	6.9E-09	8.9E-01	8.6E-03	1.0E-03	8.0E-06	1.6E-01	5.5E-03	6.8E-09	5.5E-01
267	0.01	6.8E-09	8.8E-01	8.6E-03	1.0E-03	7.9E-06	1.6E-01	5.5E-03	6.8E-09	5.3E-01
268	0.01	6.5E-09	8.4E-01	8.6E-03	1.0E-03	7.5E-06	1.6E-01	5.5E-03	6.5E-09	5.0E-01
269	0.01	6.0E-09	7.7E-01	8.6E-03	1.0E-03	6.9E-06	1.6E-01	5.5E-03	6.0E-09	4.6E-01
270	0.01	5.3E-09	6.9E-01	8.6E-03	1.0E-03	6.2E-06	1.6E-01	5.5E-03	5.3E-09	4.2E-01
271	0.00	4.6E-09	6.0E-01	8.6E-03	1.0E-03	5.4E-06	1.6E-01	5.5E-03	4.6E-09	3.8E-01
272	0.00	3.8E-09	4.9E-01	8.6E-03	1.0E-03	4.4E-06	1.6E-01	5.5E-03	3.8E-09	3.2E-01
273	0.01	1.1E-08	1.4E+00	8.6E-03	1.0E-03	1.3E-05	1.6E-01	5.5E-03	1.1E-08	1.2E+01
274	0.01	1.2E-08	1.5E+00	8.6E-03	1.0E-03	1.3E-05	1.6E-01	5.5E-03	1.2E-08	1.4E+01
275	0.01	1.2E-08	1.6E+00	8.6E-03	1.0E-03	1.4E-05	1.6E-01	5.5E-03	1.2E-08	1.6E+01
276	0.01	1.3E-08	1.7E+00	8.6E-03	1.0E-03	1.5E-05	1.6E-01	5.5E-03	1.3E-08	1.9E+01
277	0.01	1.4E-08	1.8E+00	8.6E-03	1.0E-03	1.6E-05	1.6E-01	5.5E-03	1.4E-08	2.1E+01
278	0.01	1.5E-08	1.9E+00	8.6E-03	1.0E-03	1.7E-05	1.6E-01	5.5E-03	1.5E-08	2.3E+01
279	0.02	1.6E-08	2.0E+00	8.6E-03	1.0E-03	1.8E-05	1.6E-01	5.5E-03	1.6E-08	2.5E+01
280	0.02	1.7E-08	2.1E+00	8.6E-03	1.0E-03	1.9E-05	1.6E-01	5.5E-03	1.7E-08	2.4E+01
281	0.02	1.8E-08	2.3E+00	8.6E-03	1.0E-03	2.0E-05	1.6E-01	5.5E-03	1.7E-08	2.3E+01
282	0.02	1.9E-08	2.4E+00	8.6E-03	1.0E-03	2.2E-05	1.6E-01	5.5E-03	1.9E-08	2.2E+01
283	0.02	2.0E-08	2.6E+00	8.6E-03	1.0E-03	2.3E-05	1.6E-01	5.5E-03	2.0E-08	2.0E+01
284	0.02	2.1E-08	2.7E+00	8.6E-03	1.0E-03	2.4E-05	1.6E-01	5.5E-03	2.1E-08	1.8E+01
285	0.02	2.2E-08	2.8E+00	8.6E-03	1.0E-03	2.5E-05	1.6E-01	5.5E-03	2.2E-08	1.7E+01
286	0.02	2.3E-08	3.0E+00	8.6E-03	1.0E-03	2.7E-05	1.6E-01	5.5E-03	2.3E-08	1.5E+01
287	0.02	2.4E-08	3.1E+00	8.6E-03	1.0E-03	2.8E-05	1.6E-01	5.5E-03	2.4E-08	1.3E+01
288	0.03	2.5E-08	3.3E+00	8.6E-03	1.0E-03	3.0E-05	1.6E-01	5.5E-03	2.5E-08	1.2E+01

289	0.03	2.7E-08	3.5E+00	8.6E-03	1.0E-03	3.1E-05	1.6E-01	5.5E-03	2.7E-08	1.1E+01
290	0.03	2.8E-08	3.7E+00	8.6E-03	1.0E-03	3.3E-05	1.6E-01	5.5E-03	2.8E-08	9.9E+00
291	0.03	3.0E-08	3.8E+00	8.6E-03	1.0E-03	3.4E-05	1.6E-01	5.5E-03	3.0E-08	9.0E+00
292	0.03	3.0E-08	3.9E+00	8.6E-03	1.0E-03	3.5E-05	1.6E-01	5.5E-03	3.0E-08	8.1E+00
293	0.03	3.1E-08	4.0E+00	8.6E-03	1.0E-03	3.6E-05	1.6E-01	5.5E-03	3.1E-08	7.4E+00
294	0.03	3.1E-08	4.0E+00	8.6E-03	1.0E-03	3.6E-05	1.6E-01	5.5E-03	3.1E-08	6.7E+00
295	0.03	3.1E-08	4.1E+00	8.6E-03	1.0E-03	3.6E-05	1.6E-01	5.5E-03	3.1E-08	6.1E+00
296	0.03	3.1E-08	4.0E+00	8.6E-03	1.0E-03	3.6E-05	1.6E-01	5.5E-03	3.1E-08	5.6E+00
297	0.03	3.1E-08	4.0E+00	8.6E-03	1.0E-03	3.6E-05	1.6E-01	5.5E-03	3.1E-08	5.1E+00
298	0.03	3.1E-08	4.0E+00	8.6E-03	1.0E-03	3.6E-05	1.6E-01	5.5E-03	3.1E-08	4.7E+00
299	0.01	1.2E-08	1.5E+00	8.6E-03	1.0E-03	1.4E-05	1.6E-01	5.5E-03	1.2E-08	1.4E+01
300	0.01	1.2E-08	1.6E+00	8.6E-03	1.0E-03	1.4E-05	1.6E-01	5.5E-03	1.2E-08	1.8E+01
301	0.01	1.3E-08	1.7E+00	8.6E-03	1.0E-03	1.5E-05	1.6E-01	5.5E-03	1.3E-08	2.2E+01
302	0.01	1.4E-08	1.8E+00	8.6E-03	1.0E-03	1.6E-05	1.6E-01	5.5E-03	1.4E-08	2.6E+01
303	0.02	1.5E-08	2.0E+00	8.6E-03	1.0E-03	1.8E-05	1.6E-01	5.5E-03	1.5E-08	3.1E+01
304	0.02	1.6E-08	2.1E+00	8.6E-03	1.0E-03	1.9E-05	1.6E-01	5.5E-03	1.6E-08	3.4E+01
305	0.02	1.7E-08	2.2E+00	8.6E-03	1.0E-03	2.0E-05	1.6E-01	5.5E-03	1.7E-08	3.5E+01
306	0.02	1.8E-08	2.4E+00	8.6E-03	1.0E-03	2.1E-05	1.6E-01	5.5E-03	1.8E-08	3.3E+01
307	0.02	2.0E-08	2.5E+00	8.6E-03	1.0E-03	2.3E-05	1.6E-01	5.5E-03	2.0E-08	3.0E+01
308	0.02	2.1E-08	2.7E+00	8.6E-03	1.0E-03	2.4E-05	1.6E-01	5.5E-03	2.1E-08	2.7E+01
309	0.02	2.2E-08	2.9E+00	8.6E-03	1.0E-03	2.6E-05	1.6E-01	5.5E-03	2.2E-08	2.4E+01
310	0.02	2.4E-08	3.0E+00	8.6E-03	1.0E-03	2.7E-05	1.6E-01	5.5E-03	2.3E-08	2.1E+01
311	0.02	2.5E-08	3.2E+00	8.6E-03	1.0E-03	2.9E-05	1.6E-01	5.5E-03	2.5E-08	1.9E+01
312	0.03	2.6E-08	3.4E+00	8.6E-03	1.0E-03	3.1E-05	1.6E-01	5.5E-03	2.6E-08	1.7E+01
313	0.03	2.8E-08	3.6E+00	8.6E-03	1.0E-03	3.3E-05	1.6E-01	5.5E-03	2.8E-08	1.5E+01
314	0.03	3.0E-08	3.8E+00	8.6E-03	1.0E-03	3.4E-05	1.6E-01	5.5E-03	3.0E-08	1.3E+01
315	0.03	3.1E-08	4.0E+00	8.6E-03	1.0E-03	3.6E-05	1.6E-01	5.5E-03	3.1E-08	1.2E+01
316	0.03	3.3E-08	4.3E+00	8.6E-03	1.0E-03	3.8E-05	1.6E-01	5.5E-03	3.3E-08	1.0E+01
317	0.03	3.4E-08	4.4E+00	8.6E-03	1.0E-03	4.0E-05	1.6E-01	5.5E-03	3.4E-08	9.4E+00
318	0.04	3.5E-08	4.5E+00	8.6E-03	1.0E-03	4.1E-05	1.6E-01	5.5E-03	3.5E-08	8.4E+00
319	0.04	3.5E-08	4.6E+00	8.6E-03	1.0E-03	4.1E-05	1.6E-01	5.5E-03	3.5E-08	7.6E+00
320	0.04	3.6E-08	4.6E+00	8.6E-03	1.0E-03	4.1E-05	1.6E-01	5.5E-03	3.6E-08	6.9E+00
321	0.04	3.6E-08	4.6E+00	8.6E-03	1.0E-03	4.1E-05	1.6E-01	5.5E-03	3.6E-08	6.2E+00
322	0.04	3.5E-08	4.6E+00	8.6E-03	1.0E-03	4.1E-05	1.6E-01	5.5E-03	3.5E-08	5.7E+00
323	0.03	3.5E-08	4.5E+00	8.6E-03	1.0E-03	4.0E-05	1.6E-01	5.5E-03	3.5E-08	5.2E+00
324	0.03	3.4E-08	4.4E+00	8.6E-03	1.0E-03	4.0E-05	1.6E-01	5.5E-03	3.4E-08	4.8E+00
325	0.01	1.3E-08	1.6E+00	8.6E-03	1.0E-03	1.5E-05	1.6E-01	5.5E-03	1.3E-08	1.8E+01
326	0.01	1.3E-08	1.7E+00	8.6E-03	1.0E-03	1.6E-05	1.6E-01	5.5E-03	1.3E-08	2.3E+01
327	0.01	1.4E-08	1.9E+00	8.6E-03	1.0E-03	1.7E-05	1.6E-01	5.5E-03	1.4E-08	2.9E+01
328	0.02	1.6E-08	2.0E+00	8.6E-03	1.0E-03	1.8E-05	1.6E-01	5.5E-03	1.5E-08	3.8E+01
329	0.02	1.7E-08	2.2E+00	8.6E-03	1.0E-03	1.9E-05	1.6E-01	5.5E-03	1.7E-08	4.8E+01
330	0.02	1.8E-08	2.3E+00	8.6E-03	1.0E-03	2.1E-05	1.6E-01	5.5E-03	1.8E-08	5.4E+01
331	0.02	1.9E-08	2.5E+00	8.6E-03	1.0E-03	2.2E-05	1.6E-01	5.5E-03	1.9E-08	5.3E+01
332	0.02	2.1E-08	2.7E+00	8.6E-03	1.0E-03	2.4E-05	1.6E-01	5.5E-03	2.1E-08	4.7E+01
333	0.02	2.2E-08	2.9E+00	8.6E-03	1.0E-03	2.6E-05	1.6E-01	5.5E-03	2.2E-08	4.0E+01
334	0.02	2.4E-08	3.1E+00	8.6E-03	1.0E-03	2.8E-05	1.6E-01	5.5E-03	2.4E-08	3.4E+01
335	0.03	2.6E-08	3.3E+00	8.6E-03	1.0E-03	3.0E-05	1.6E-01	5.5E-03	2.6E-08	2.9E+01
336	0.03	2.7E-08	3.5E+00	8.6E-03	1.0E-03	3.1E-05	1.6E-01	5.5E-03	2.7E-08	2.4E+01
337	0.03	2.9E-08	3.7E+00	8.6E-03	1.0E-03	3.3E-05	1.6E-01	5.5E-03	2.9E-08	2.1E+01

338	0.03	3.1E-08	4.0E+00	8.6E-03	1.0E-03	3.6E-05	1.6E-01	5.5E-03	3.1E-08	1.8E+01
339	0.03	3.3E-08	4.3E+00	8.6E-03	1.0E-03	3.8E-05	1.6E-01	5.5E-03	3.3E-08	1.6E+01
340	0.03	3.5E-08	4.5E+00	8.6E-03	1.0E-03	4.0E-05	1.6E-01	5.5E-03	3.5E-08	1.4E+01
341	0.04	3.7E-08	4.8E+00	8.6E-03	1.0E-03	4.3E-05	1.6E-01	5.5E-03	3.7E-08	1.2E+01
342	0.04	3.9E-08	5.0E+00	8.6E-03	1.0E-03	4.5E-05	1.6E-01	5.5E-03	3.9E-08	1.1E+01
343	0.04	4.0E-08	5.2E+00	8.6E-03	1.0E-03	4.7E-05	1.6E-01	5.5E-03	4.0E-08	9.7E+00
344	0.04	4.1E-08	5.3E+00	8.6E-03	1.0E-03	4.7E-05	1.6E-01	5.5E-03	4.1E-08	8.7E+00
345	0.04	4.1E-08	5.3E+00	8.6E-03	1.0E-03	4.8E-05	1.6E-01	5.5E-03	4.1E-08	7.8E+00
346	0.04	4.1E-08	5.3E+00	8.6E-03	1.0E-03	4.7E-05	1.6E-01	5.5E-03	4.1E-08	7.0E+00
347	0.04	4.0E-08	5.2E+00	8.6E-03	1.0E-03	4.7E-05	1.6E-01	5.5E-03	4.0E-08	6.3E+00
348	0.04	4.0E-08	5.2E+00	8.6E-03	1.0E-03	4.6E-05	1.6E-01	5.5E-03	4.0E-08	5.7E+00
349	0.04	3.9E-08	5.0E+00	8.6E-03	1.0E-03	4.5E-05	1.6E-01	5.5E-03	3.9E-08	5.2E+00
350	0.04	3.8E-08	4.9E+00	8.6E-03	1.0E-03	4.4E-05	1.6E-01	5.5E-03	3.8E-08	4.8E+00
351	0.01	1.3E-08	1.7E+00	8.6E-03	1.0E-03	1.6E-05	1.6E-01	5.5E-03	1.3E-08	2.1E+01
352	0.01	1.5E-08	1.9E+00	8.6E-03	1.0E-03	1.7E-05	1.6E-01	5.5E-03	1.4E-08	2.9E+01
353	0.02	1.6E-08	2.0E+00	8.6E-03	1.0E-03	1.8E-05	1.6E-01	5.5E-03	1.6E-08	4.0E+01
354	0.02	1.7E-08	2.2E+00	8.6E-03	1.0E-03	2.0E-05	1.6E-01	5.5E-03	1.7E-08	5.7E+01
355	0.02	1.8E-08	2.4E+00	8.6E-03	1.0E-03	2.1E-05	1.6E-01	5.5E-03	1.8E-08	2.2E+01
356	0.02	2.0E-08	2.6E+00	8.6E-03	1.0E-03	2.3E-05	1.6E-01	5.5E-03	2.0E-08	2.5E+01
357	0.02	2.2E-08	2.8E+00	8.6E-03	1.0E-03	2.5E-05	1.6E-01	5.5E-03	2.2E-08	2.6E+01
358	0.02	2.3E-08	3.0E+00	8.6E-03	1.0E-03	2.7E-05	1.6E-01	5.5E-03	2.3E-08	6.8E+01
359	0.03	2.5E-08	3.3E+00	8.6E-03	1.0E-03	2.9E-05	1.6E-01	5.5E-03	2.5E-08	5.2E+01
360	0.03	2.7E-08	3.5E+00	8.6E-03	1.0E-03	3.2E-05	1.6E-01	5.5E-03	2.7E-08	4.1E+01
361	0.03	3.0E-08	3.8E+00	8.6E-03	1.0E-03	3.4E-05	1.6E-01	5.5E-03	3.0E-08	3.3E+01
362	0.03	3.2E-08	4.1E+00	8.6E-03	1.0E-03	3.7E-05	1.6E-01	5.5E-03	3.2E-08	2.8E+01
363	0.03	3.4E-08	4.4E+00	8.6E-03	1.0E-03	3.9E-05	1.6E-01	5.5E-03	3.4E-08	2.3E+01
364	0.04	3.6E-08	4.7E+00	8.6E-03	1.0E-03	4.2E-05	1.6E-01	5.5E-03	3.6E-08	2.0E+01
365	0.04	3.9E-08	5.1E+00	8.6E-03	1.0E-03	4.5E-05	1.6E-01	5.5E-03	3.9E-08	1.7E+01
366	0.04	4.2E-08	5.4E+00	8.6E-03	1.0E-03	4.8E-05	1.6E-01	5.5E-03	4.2E-08	1.5E+01
367	0.04	4.4E-08	5.7E+00	8.6E-03	1.0E-03	5.1E-05	1.6E-01	5.5E-03	4.4E-08	1.3E+01
368	0.05	4.6E-08	6.0E+00	8.6E-03	1.0E-03	5.4E-05	1.6E-01	5.5E-03	4.6E-08	1.1E+01
369	0.05	4.7E-08	6.1E+00	8.6E-03	1.0E-03	5.5E-05	1.6E-01	5.5E-03	4.7E-08	9.9E+00
370	0.05	4.8E-08	6.2E+00	8.6E-03	1.0E-03	5.6E-05	1.6E-01	5.5E-03	4.8E-08	8.8E+00
371	0.05	4.8E-08	6.2E+00	8.6E-03	1.0E-03	5.5E-05	1.6E-01	5.5E-03	4.8E-08	7.8E+00
372	0.05	4.7E-08	6.1E+00	8.6E-03	1.0E-03	5.5E-05	1.6E-01	5.5E-03	4.7E-08	7.0E+00
373	0.05	4.6E-08	6.0E+00	8.6E-03	1.0E-03	5.4E-05	1.6E-01	5.5E-03	4.6E-08	6.3E+00
374	0.05	4.5E-08	5.8E+00	8.6E-03	1.0E-03	5.2E-05	1.6E-01	5.5E-03	4.5E-08	5.7E+00
375	0.04	4.4E-08	5.7E+00	8.6E-03	1.0E-03	5.1E-05	1.6E-01	5.5E-03	4.4E-08	5.2E+00
376	0.04	4.2E-08	5.5E+00	8.6E-03	1.0E-03	4.9E-05	1.6E-01	5.5E-03	4.2E-08	4.7E+00
377	0.01	1.4E-08	1.9E+00	8.6E-03	1.0E-03	1.7E-05	1.6E-01	5.5E-03	1.4E-08	2.5E+01
378	0.02	1.6E-08	2.0E+00	8.6E-03	1.0E-03	1.8E-05	1.6E-01	5.5E-03	1.6E-08	3.6E+01
379	0.02	1.7E-08	2.2E+00	8.6E-03	1.0E-03	2.0E-05	1.6E-01	5.5E-03	1.7E-08	5.3E+01
380	0.02	1.9E-08	2.4E+00	8.6E-03	1.0E-03	2.2E-05	1.6E-01	5.5E-03	1.9E-08	2.8E+01
381	0.02	2.0E-08	2.6E+00	8.6E-03	1.0E-03	2.4E-05	1.6E-01	5.5E-03	2.0E-08	3.4E+01
382	0.05	5.4E-08	7.0E+00	8.6E-03	1.0E-03	6.2E-05	1.6E-01	5.5E-03	5.4E-08	1.3E+01
383	0.06	5.6E-08	7.2E+00	8.6E-03	1.0E-03	6.5E-05	1.6E-01	5.5E-03	5.6E-08	1.1E+01
384	0.06	5.7E-08	7.3E+00	8.6E-03	1.0E-03	6.6E-05	1.6E-01	5.5E-03	5.7E-08	1.0E+01
385	0.06	5.7E-08	7.3E+00	8.6E-03	1.0E-03	6.6E-05	1.6E-01	5.5E-03	5.6E-08	8.8E+00
386	0.06	5.6E-08	7.2E+00	8.6E-03	1.0E-03	6.5E-05	1.6E-01	5.5E-03	5.6E-08	7.8E+00

387	0.05	5.4E-08	7.0E+00	8.6E-03	1.0E-03	6.3E-05	1.6E-01	5.5E-03	5.4E-08	7.0E+00
388	0.05	5.3E-08	6.8E+00	8.6E-03	1.0E-03	6.1E-05	1.6E-01	5.5E-03	5.3E-08	6.3E+00
389	0.05	5.1E-08	6.6E+00	8.6E-03	1.0E-03	5.9E-05	1.6E-01	5.5E-03	5.1E-08	5.6E+00
390	0.05	4.9E-08	6.3E+00	8.6E-03	1.0E-03	5.7E-05	1.6E-01	5.5E-03	4.9E-08	5.1E+00
391	0.05	4.7E-08	6.1E+00	8.6E-03	1.0E-03	5.4E-05	1.6E-01	5.5E-03	4.7E-08	4.6E+00
392	0.02	1.5E-08	2.0E+00	8.6E-03	1.0E-03	1.8E-05	1.6E-01	5.5E-03	1.5E-08	2.9E+01
393	0.02	1.7E-08	2.2E+00	8.6E-03	1.0E-03	2.0E-05	1.6E-01	5.5E-03	1.7E-08	4.2E+01
394	0.02	1.9E-08	2.4E+00	8.6E-03	1.0E-03	2.1E-05	1.6E-01	5.5E-03	1.8E-08	6.4E+01
395	0.02	2.0E-08	2.6E+00	8.6E-03	1.0E-03	2.4E-05	1.6E-01	5.5E-03	2.0E-08	4.2E+01
396	0.02	2.2E-08	2.9E+00	8.6E-03	1.0E-03	2.6E-05	1.6E-01	5.5E-03	2.2E-08	5.7E+01
397	0.07	6.7E-08	8.6E+00	8.6E-03	1.0E-03	7.7E-05	1.6E-01	5.5E-03	6.7E-08	1.3E+01
398	0.07	6.8E-08	8.8E+00	8.6E-03	1.0E-03	7.9E-05	1.6E-01	5.5E-03	6.8E-08	1.1E+01
399	0.07	6.8E-08	8.8E+00	8.6E-03	1.0E-03	7.9E-05	1.6E-01	5.5E-03	6.8E-08	1.0E+01
400	0.07	6.7E-08	8.7E+00	8.6E-03	1.0E-03	7.8E-05	1.6E-01	5.5E-03	6.7E-08	8.8E+00
401	0.06	6.5E-08	8.4E+00	8.6E-03	1.0E-03	7.5E-05	1.6E-01	5.5E-03	6.5E-08	7.7E+00
402	0.06	6.2E-08	8.1E+00	8.6E-03	1.0E-03	7.3E-05	1.6E-01	5.5E-03	6.2E-08	6.9E+00
403	0.06	6.0E-08	7.7E+00	8.6E-03	1.0E-03	6.9E-05	1.6E-01	5.5E-03	6.0E-08	6.1E+00
404	0.06	5.7E-08	7.4E+00	8.6E-03	1.0E-03	6.6E-05	1.6E-01	5.5E-03	5.7E-08	5.5E+00
405	0.05	5.4E-08	7.0E+00	8.6E-03	1.0E-03	6.3E-05	1.6E-01	5.5E-03	5.4E-08	5.0E+00
406	0.05	5.2E-08	6.7E+00	8.6E-03	1.0E-03	6.0E-05	1.6E-01	5.5E-03	5.2E-08	4.5E+00
407	0.02	1.6E-08	2.1E+00	8.6E-03	1.0E-03	1.9E-05	1.6E-01	5.5E-03	1.6E-08	3.1E+01
408	0.02	1.8E-08	2.3E+00	8.6E-03	1.0E-03	2.1E-05	1.6E-01	5.5E-03	1.8E-08	4.5E+01
409	0.02	2.0E-08	2.6E+00	8.6E-03	1.0E-03	2.3E-05	1.6E-01	5.5E-03	2.0E-08	7.1E+01
410	0.02	2.2E-08	2.8E+00	8.6E-03	1.0E-03	2.5E-05	1.6E-01	5.5E-03	2.2E-08	1.7E+01
411	0.02	2.4E-08	3.2E+00	8.6E-03	1.0E-03	2.8E-05	1.6E-01	5.5E-03	2.4E-08	2.0E+01
412	0.08	8.4E-08	1.1E+01	8.6E-03	1.0E-03	9.8E-05	1.6E-01	5.5E-03	8.4E-08	1.3E+01
413	0.08	8.5E-08	1.1E+01	8.6E-03	1.0E-03	9.8E-05	1.6E-01	5.5E-03	8.5E-08	1.1E+01
414	0.08	8.3E-08	1.1E+01	8.6E-03	1.0E-03	9.6E-05	1.6E-01	5.5E-03	8.3E-08	9.8E+00
415	0.08	8.0E-08	1.0E+01	8.6E-03	1.0E-03	9.3E-05	1.6E-01	5.5E-03	8.0E-08	8.6E+00
416	0.08	7.6E-08	9.8E+00	8.6E-03	1.0E-03	8.8E-05	1.6E-01	5.5E-03	7.6E-08	7.6E+00
417	0.07	7.2E-08	9.3E+00	8.6E-03	1.0E-03	8.3E-05	1.6E-01	5.5E-03	7.2E-08	6.7E+00
418	0.07	6.8E-08	8.8E+00	8.6E-03	1.0E-03	7.9E-05	1.6E-01	5.5E-03	6.8E-08	6.0E+00
419	0.06	6.4E-08	8.3E+00	8.6E-03	1.0E-03	7.4E-05	1.6E-01	5.5E-03	6.4E-08	5.4E+00
420	0.06	6.0E-08	7.8E+00	8.6E-03	1.0E-03	7.0E-05	1.6E-01	5.5E-03	6.0E-08	4.9E+00
421	0.06	5.7E-08	7.3E+00	8.6E-03	1.0E-03	6.6E-05	1.6E-01	5.5E-03	5.7E-08	4.4E+00
422	0.02	1.8E-08	2.3E+00	8.6E-03	1.0E-03	2.0E-05	1.6E-01	5.5E-03	1.8E-08	3.2E+01
423	0.02	1.9E-08	2.5E+00	8.6E-03	1.0E-03	2.2E-05	1.6E-01	5.5E-03	1.9E-08	4.7E+01
424	0.02	2.1E-08	2.8E+00	8.6E-03	1.0E-03	2.5E-05	1.6E-01	5.5E-03	2.1E-08	7.5E+01
425	0.02	2.4E-08	3.1E+00	8.6E-03	1.0E-03	2.8E-05	1.6E-01	5.5E-03	2.4E-08	6.2E+01
426	0.03	2.7E-08	3.5E+00	8.6E-03	1.0E-03	3.1E-05	1.6E-01	5.5E-03	2.7E-08	3.4E+01
427	0.11	1.1E-07	1.4E+01	8.6E-03	1.0E-03	1.3E-04	1.6E-01	5.5E-03	1.1E-07	1.3E+01
428	0.11	1.1E-07	1.4E+01	8.6E-03	1.0E-03	1.2E-04	1.6E-01	5.5E-03	1.1E-07	1.1E+01
429	0.10	1.0E-07	1.3E+01	8.6E-03	1.0E-03	1.2E-04	1.6E-01	5.5E-03	1.0E-07	9.5E+00
430	0.09	9.5E-08	1.2E+01	8.6E-03	1.0E-03	1.1E-04	1.6E-01	5.5E-03	9.5E-08	8.3E+00
431	0.09	8.8E-08	1.1E+01	8.6E-03	1.0E-03	1.0E-04	1.6E-01	5.5E-03	8.8E-08	7.3E+00
432	0.08	8.2E-08	1.1E+01	8.6E-03	1.0E-03	9.6E-05	1.6E-01	5.5E-03	8.2E-08	6.5E+00
433	0.08	7.7E-08	9.9E+00	8.6E-03	1.0E-03	8.9E-05	1.6E-01	5.5E-03	7.7E-08	5.8E+00
434	0.07	7.1E-08	9.2E+00	8.6E-03	1.0E-03	8.3E-05	1.6E-01	5.5E-03	7.1E-08	5.2E+00
435	0.07	6.6E-08	8.6E+00	8.6E-03	1.0E-03	7.7E-05	1.6E-01	5.5E-03	6.6E-08	4.7E+00

436	0.06	6.2E-08	8.0E+00	8.6E-03	1.0E-03	7.2E-05	1.6E-01	5.5E-03	6.2E-08	4.3E+00
437	0.02	1.9E-08	2.4E+00	8.6E-03	1.0E-03	2.2E-05	1.6E-01	5.5E-03	1.9E-08	3.2E+01
438	0.02	2.1E-08	2.7E+00	8.6E-03	1.0E-03	2.4E-05	1.6E-01	5.5E-03	2.1E-08	4.7E+01
439	0.02	2.3E-08	3.0E+00	8.6E-03	1.0E-03	2.7E-05	1.6E-01	5.5E-03	2.3E-08	7.4E+01
440	0.03	2.6E-08	3.3E+00	8.6E-03	1.0E-03	3.0E-05	1.6E-01	5.5E-03	2.6E-08	6.2E+01
441	0.03	3.0E-08	3.8E+00	8.6E-03	1.0E-03	3.4E-05	1.6E-01	5.5E-03	3.0E-08	3.0E+01
442	0.14	1.4E-07	1.9E+01	8.6E-03	1.0E-03	1.7E-04	1.6E-01	5.5E-03	1.4E-07	1.2E+01
443	0.13	1.3E-07	1.7E+01	8.6E-03	1.0E-03	1.6E-04	1.6E-01	5.5E-03	1.3E-07	1.1E+01
444	0.12	1.2E-07	1.6E+01	8.6E-03	1.0E-03	1.4E-04	1.6E-01	5.5E-03	1.2E-07	9.1E+00
445	0.11	1.1E-07	1.4E+01	8.6E-03	1.0E-03	1.3E-04	1.6E-01	5.5E-03	1.1E-07	8.0E+00
446	0.10	1.0E-07	1.3E+01	8.6E-03	1.0E-03	1.2E-04	1.6E-01	5.5E-03	1.0E-07	7.0E+00
447	0.09	9.3E-08	1.2E+01	8.6E-03	1.0E-03	1.1E-04	1.6E-01	5.5E-03	9.3E-08	6.2E+00
448	0.09	8.6E-08	1.1E+01	8.6E-03	1.0E-03	1.0E-04	1.6E-01	5.5E-03	8.6E-08	5.6E+00
449	0.08	7.9E-08	1.0E+01	8.6E-03	1.0E-03	9.2E-05	1.6E-01	5.5E-03	7.9E-08	5.0E+00
450	0.07	7.3E-08	9.4E+00	8.6E-03	1.0E-03	8.4E-05	1.6E-01	5.5E-03	7.3E-08	4.5E+00
451	0.07	6.7E-08	8.7E+00	8.6E-03	1.0E-03	7.8E-05	1.6E-01	5.5E-03	6.7E-08	4.1E+00
452	0.02	2.0E-08	2.5E+00	8.6E-03	1.0E-03	2.3E-05	1.6E-01	5.5E-03	2.0E-08	3.0E+01
453	0.02	2.2E-08	2.8E+00	8.6E-03	1.0E-03	2.6E-05	1.6E-01	5.5E-03	2.2E-08	4.5E+01
454	0.02	2.5E-08	3.2E+00	8.6E-03	1.0E-03	2.9E-05	1.6E-01	5.5E-03	2.5E-08	7.0E+01
455	0.03	2.8E-08	3.6E+00	8.6E-03	1.0E-03	3.3E-05	1.6E-01	5.5E-03	2.8E-08	1.5E+01
456	0.03	3.2E-08	4.2E+00	8.6E-03	1.0E-03	3.8E-05	1.6E-01	5.5E-03	3.2E-08	1.8E+01
457	0.19	1.9E-07	2.5E+01	8.6E-03	1.0E-03	2.2E-04	1.6E-01	5.5E-03	1.9E-07	1.2E+01
458	0.17	1.7E-07	2.2E+01	8.6E-03	1.0E-03	1.9E-04	1.6E-01	5.5E-03	1.7E-07	1.0E+01
459	0.15	1.5E-07	1.9E+01	8.6E-03	1.0E-03	1.7E-04	1.6E-01	5.5E-03	1.5E-07	8.7E+00
460	0.13	1.3E-07	1.7E+01	8.6E-03	1.0E-03	1.5E-04	1.6E-01	5.5E-03	1.3E-07	7.6E+00
461	0.12	1.2E-07	1.5E+01	8.6E-03	1.0E-03	1.4E-04	1.6E-01	5.5E-03	1.2E-07	6.7E+00
462	0.11	1.1E-07	1.4E+01	8.6E-03	1.0E-03	1.2E-04	1.6E-01	5.5E-03	1.1E-07	6.0E+00
463	0.10	9.6E-08	1.2E+01	8.6E-03	1.0E-03	1.1E-04	1.6E-01	5.5E-03	9.6E-08	5.3E+00
464	0.09	8.7E-08	1.1E+01	8.6E-03	1.0E-03	1.0E-04	1.6E-01	5.5E-03	8.7E-08	4.8E+00
465	0.08	7.9E-08	1.0E+01	8.6E-03	1.0E-03	9.2E-05	1.6E-01	5.5E-03	7.9E-08	4.3E+00
466	0.07	7.2E-08	9.4E+00	8.6E-03	1.0E-03	8.4E-05	1.6E-01	5.5E-03	7.2E-08	3.9E+00
467	0.02	2.1E-08	2.7E+00	8.6E-03	1.0E-03	2.4E-05	1.6E-01	5.5E-03	2.1E-08	2.8E+01
468	0.02	2.3E-08	3.0E+00	8.6E-03	1.0E-03	2.7E-05	1.6E-01	5.5E-03	2.3E-08	4.0E+01
469	0.03	2.6E-08	3.4E+00	8.6E-03	1.0E-03	3.1E-05	1.6E-01	5.5E-03	2.6E-08	6.1E+01
470	0.03	3.0E-08	3.9E+00	8.6E-03	1.0E-03	3.5E-05	1.6E-01	5.5E-03	3.0E-08	3.9E+01
471	0.04	3.5E-08	4.6E+00	8.6E-03	1.0E-03	4.1E-05	1.6E-01	5.5E-03	3.5E-08	5.0E+01
472	0.24	2.4E-07	3.1E+01	8.6E-03	1.0E-03	2.8E-04	1.6E-01	5.5E-03	2.4E-07	1.1E+01
473	0.20	2.0E-07	2.6E+01	8.6E-03	1.0E-03	2.3E-04	1.6E-01	5.5E-03	2.0E-07	9.3E+00
474	0.17	1.7E-07	2.2E+01	8.6E-03	1.0E-03	2.0E-04	1.6E-01	5.5E-03	1.7E-07	8.2E+00
475	0.15	1.5E-07	1.9E+01	8.6E-03	1.0E-03	1.7E-04	1.6E-01	5.5E-03	1.5E-07	7.2E+00
476	0.13	1.3E-07	1.7E+01	8.6E-03	1.0E-03	1.5E-04	1.6E-01	5.5E-03	1.3E-07	6.3E+00
477	0.12	1.2E-07	1.5E+01	8.6E-03	1.0E-03	1.4E-04	1.6E-01	5.5E-03	1.2E-07	5.7E+00
478	0.11	1.1E-07	1.4E+01	8.6E-03	1.0E-03	1.2E-04	1.6E-01	5.5E-03	1.1E-07	5.1E+00
479	0.09	9.5E-08	1.2E+01	8.6E-03	1.0E-03	1.1E-04	1.6E-01	5.5E-03	9.5E-08	4.6E+00
480	0.09	8.6E-08	1.1E+01	8.6E-03	1.0E-03	1.0E-04	1.6E-01	5.5E-03	8.6E-08	4.1E+00
481	0.08	7.8E-08	1.0E+01	8.6E-03	1.0E-03	9.0E-05	1.6E-01	5.5E-03	7.8E-08	3.7E+00
482	0.02	2.2E-08	2.8E+00	8.6E-03	1.0E-03	2.5E-05	1.6E-01	5.5E-03	2.2E-08	2.4E+01
483	0.02	2.5E-08	3.2E+00	8.6E-03	1.0E-03	2.8E-05	1.6E-01	5.5E-03	2.5E-08	3.4E+01
484	0.03	2.8E-08	3.6E+00	8.6E-03	1.0E-03	3.2E-05	1.6E-01	5.5E-03	2.8E-08	5.0E+01

485	0.03	3.2E-08	4.2E+00	8.6E-03	1.0E-03	3.8E-05	1.6E-01	5.5E-03	3.2E-08	2.6E+01
486	0.04	3.8E-08	5.0E+00	8.6E-03	1.0E-03	4.5E-05	1.6E-01	5.5E-03	3.8E-08	3.1E+01
487	0.29	2.9E-07	3.8E+01	8.6E-03	1.0E-03	3.4E-04	1.6E-01	5.5E-03	2.9E-07	9.9E+00
488	0.23	2.3E-07	3.0E+01	8.6E-03	1.0E-03	2.7E-04	1.6E-01	5.5E-03	2.3E-07	8.7E+00
489	0.20	2.0E-07	2.5E+01	8.6E-03	1.0E-03	2.3E-04	1.6E-01	5.5E-03	2.0E-07	7.6E+00
490	0.17	1.7E-07	2.2E+01	8.6E-03	1.0E-03	1.9E-04	1.6E-01	5.5E-03	1.7E-07	6.7E+00
491	0.15	1.5E-07	1.9E+01	8.6E-03	1.0E-03	1.7E-04	1.6E-01	5.5E-03	1.5E-07	6.0E+00
492	0.13	1.3E-07	1.7E+01	8.6E-03	1.0E-03	1.5E-04	1.6E-01	5.5E-03	1.3E-07	5.3E+00
493	0.11	1.1E-07	1.5E+01	8.6E-03	1.0E-03	1.3E-04	1.6E-01	5.5E-03	1.1E-07	4.8E+00
494	0.10	1.0E-07	1.3E+01	8.6E-03	1.0E-03	1.2E-04	1.6E-01	5.5E-03	1.0E-07	4.3E+00
495	0.09	9.2E-08	1.2E+01	8.6E-03	1.0E-03	1.1E-04	1.6E-01	5.5E-03	9.2E-08	3.9E+00
496	0.08	8.3E-08	1.1E+01	8.6E-03	1.0E-03	9.6E-05	1.6E-01	5.5E-03	8.3E-08	3.6E+00
497	0.02	2.3E-08	2.9E+00	8.6E-03	1.0E-03	2.6E-05	1.6E-01	5.5E-03	2.3E-08	2.0E+01
498	0.03	2.6E-08	3.3E+00	8.6E-03	1.0E-03	3.0E-05	1.6E-01	5.5E-03	2.6E-08	2.7E+01
499	0.03	3.0E-08	3.8E+00	8.6E-03	1.0E-03	3.4E-05	1.6E-01	5.5E-03	3.0E-08	3.8E+01
500	0.03	3.5E-08	4.5E+00	8.6E-03	1.0E-03	4.0E-05	1.6E-01	5.5E-03	3.5E-08	5.3E+01
501	0.04	4.2E-08	5.4E+00	8.6E-03	1.0E-03	4.8E-05	1.6E-01	5.5E-03	4.1E-08	2.0E+01
502	0.33	3.3E-07	4.2E+01	8.6E-03	1.0E-03	3.8E-04	1.6E-01	5.5E-03	3.3E-07	9.1E+00
503	0.26	2.6E-07	3.4E+01	8.6E-03	1.0E-03	3.0E-04	1.6E-01	5.5E-03	2.6E-07	8.0E+00
504	0.22	2.2E-07	2.8E+01	8.6E-03	1.0E-03	2.5E-04	1.6E-01	5.5E-03	2.2E-07	7.1E+00
505	0.19	1.9E-07	2.4E+01	8.6E-03	1.0E-03	2.2E-04	1.6E-01	5.5E-03	1.9E-07	6.3E+00
506	0.16	1.6E-07	2.1E+01	8.6E-03	1.0E-03	1.9E-04	1.6E-01	5.5E-03	1.6E-07	5.6E+00
507	0.14	1.4E-07	1.8E+01	8.6E-03	1.0E-03	1.6E-04	1.6E-01	5.5E-03	1.4E-07	5.0E+00
508	0.12	1.2E-07	1.6E+01	8.6E-03	1.0E-03	1.4E-04	1.6E-01	5.5E-03	1.2E-07	4.5E+00
509	0.11	1.1E-07	1.4E+01	8.6E-03	1.0E-03	1.3E-04	1.6E-01	5.5E-03	1.1E-07	4.1E+00
510	0.10	9.8E-08	1.3E+01	8.6E-03	1.0E-03	1.1E-04	1.6E-01	5.5E-03	9.8E-08	3.7E+00
511	0.09	8.8E-08	1.1E+01	8.6E-03	1.0E-03	1.0E-04	1.6E-01	5.5E-03	8.8E-08	3.4E+00
512	0.02	2.3E-08	3.0E+00	8.6E-03	1.0E-03	2.7E-05	1.6E-01	5.5E-03	2.3E-08	1.7E+01
513	0.03	2.7E-08	3.5E+00	8.6E-03	1.0E-03	3.1E-05	1.6E-01	5.5E-03	2.7E-08	2.2E+01
514	0.03	3.1E-08	4.0E+00	8.6E-03	1.0E-03	3.6E-05	1.6E-01	5.5E-03	3.1E-08	2.8E+01
515	0.04	3.7E-08	4.7E+00	8.6E-03	1.0E-03	4.2E-05	1.6E-01	5.5E-03	3.7E-08	3.6E+01
516	0.04	4.4E-08	5.7E+00	8.6E-03	1.0E-03	5.1E-05	1.6E-01	5.5E-03	4.4E-08	4.3E+01
517	0.36	3.6E-07	4.6E+01	8.6E-03	1.0E-03	4.1E-04	1.6E-01	5.5E-03	3.6E-07	8.3E+00
518	0.29	2.9E-07	3.7E+01	8.6E-03	1.0E-03	3.4E-04	1.6E-01	5.5E-03	2.9E-07	7.4E+00
519	0.24	2.4E-07	3.1E+01	8.6E-03	1.0E-03	2.8E-04	1.6E-01	5.5E-03	2.4E-07	6.5E+00
520	0.20	2.0E-07	2.6E+01	8.6E-03	1.0E-03	2.4E-04	1.6E-01	5.5E-03	2.0E-07	5.8E+00
521	0.18	1.8E-07	2.3E+01	8.6E-03	1.0E-03	2.0E-04	1.6E-01	5.5E-03	1.8E-07	5.2E+00
522	0.15	1.5E-07	2.0E+01	8.6E-03	1.0E-03	1.8E-04	1.6E-01	5.5E-03	1.5E-07	4.7E+00
523	0.13	1.3E-07	1.7E+01	8.6E-03	1.0E-03	1.6E-04	1.6E-01	5.5E-03	1.3E-07	4.3E+00
524	0.12	1.2E-07	1.5E+01	8.6E-03	1.0E-03	1.4E-04	1.6E-01	5.5E-03	1.2E-07	3.9E+00
525	0.10	1.0E-07	1.3E+01	8.6E-03	1.0E-03	1.2E-04	1.6E-01	5.5E-03	1.0E-07	3.5E+00
526	0.09	9.1E-08	1.2E+01	8.6E-03	1.0E-03	1.1E-04	1.6E-01	5.5E-03	9.1E-08	3.2E+00
527	0.02	2.4E-08	3.1E+00	8.6E-03	1.0E-03	2.8E-05	1.6E-01	5.5E-03	2.4E-08	1.4E+01
528	0.03	2.8E-08	3.6E+00	8.6E-03	1.0E-03	3.2E-05	1.6E-01	5.5E-03	2.8E-08	1.7E+01
529	0.03	3.2E-08	4.2E+00	8.6E-03	1.0E-03	3.7E-05	1.6E-01	5.5E-03	3.2E-08	2.1E+01
530	0.04	3.8E-08	5.0E+00	8.6E-03	1.0E-03	4.4E-05	1.6E-01	5.5E-03	3.8E-08	2.5E+01
531	0.05	4.7E-08	6.0E+00	8.6E-03	1.0E-03	5.4E-05	1.6E-01	5.5E-03	4.7E-08	2.8E+01
532	0.39	3.9E-07	5.0E+01	8.6E-03	1.0E-03	4.5E-04	1.6E-01	5.5E-03	3.9E-07	7.6E+00
533	0.32	3.2E-07	4.1E+01	8.6E-03	1.0E-03	3.7E-04	1.6E-01	5.5E-03	3.2E-07	6.8E+00

534	0.26	2.6E-07	3.4E+01	8.6E-03	1.0E-03	3.0E-04	1.6E-01	5.5E-03	2.6E-07	6.0E+00
535	0.22	2.2E-07	2.8E+01	8.6E-03	1.0E-03	2.5E-04	1.6E-01	5.5E-03	2.2E-07	5.4E+00
536	0.19	1.9E-07	2.4E+01	8.6E-03	1.0E-03	2.2E-04	1.6E-01	5.5E-03	1.9E-07	4.9E+00
537	0.16	1.6E-07	2.1E+01	8.6E-03	1.0E-03	1.9E-04	1.6E-01	5.5E-03	1.6E-07	4.4E+00
538	0.14	1.4E-07	1.8E+01	8.6E-03	1.0E-03	1.6E-04	1.6E-01	5.5E-03	1.4E-07	4.0E+00
539	0.12	1.2E-07	1.6E+01	8.6E-03	1.0E-03	1.4E-04	1.6E-01	5.5E-03	1.2E-07	3.7E+00
540	0.11	1.1E-07	1.4E+01	8.6E-03	1.0E-03	1.2E-04	1.6E-01	5.5E-03	1.1E-07	3.3E+00
541	0.09	9.4E-08	1.2E+01	8.6E-03	1.0E-03	1.1E-04	1.6E-01	5.5E-03	9.4E-08	3.0E+00
542	0.02	2.5E-08	3.2E+00	8.6E-03	1.0E-03	2.9E-05	1.6E-01	5.5E-03	2.5E-08	1.2E+01
543	0.03	2.8E-08	3.7E+00	8.6E-03	1.0E-03	3.3E-05	1.6E-01	5.5E-03	2.8E-08	1.4E+01
544	0.03	3.3E-08	4.3E+00	8.6E-03	1.0E-03	3.9E-05	1.6E-01	5.5E-03	3.3E-08	1.6E+01
545	0.04	4.0E-08	5.1E+00	8.6E-03	1.0E-03	4.6E-05	1.6E-01	5.5E-03	4.0E-08	1.8E+01
546	0.05	4.8E-08	6.3E+00	8.6E-03	1.0E-03	5.6E-05	1.6E-01	5.5E-03	4.8E-08	2.0E+01
547	0.43	4.3E-07	5.6E+01	8.6E-03	1.0E-03	5.0E-04	1.6E-01	5.5E-03	4.3E-07	6.9E+00
548	0.35	3.5E-07	4.5E+01	8.6E-03	1.0E-03	4.0E-04	1.6E-01	5.5E-03	3.5E-07	6.2E+00
549	0.28	2.8E-07	3.7E+01	8.6E-03	1.0E-03	3.3E-04	1.6E-01	5.5E-03	2.8E-07	5.5E+00
550	0.24	2.4E-07	3.1E+01	8.6E-03	1.0E-03	2.7E-04	1.6E-01	5.5E-03	2.4E-07	5.0E+00
551	0.19	1.9E-07	2.5E+01	8.6E-03	1.0E-03	2.3E-04	1.6E-01	5.5E-03	1.9E-07	4.5E+00
552	0.16	1.6E-07	2.1E+01	8.6E-03	1.0E-03	1.9E-04	1.6E-01	5.5E-03	1.6E-07	4.0E+00
553	0.14	1.4E-07	1.9E+01	8.6E-03	1.0E-03	1.7E-04	1.6E-01	5.5E-03	1.4E-07	3.7E+00
554	0.12	1.2E-07	1.6E+01	8.6E-03	1.0E-03	1.4E-04	1.6E-01	5.5E-03	1.2E-07	3.4E+00
555	0.11	1.1E-07	1.4E+01	8.6E-03	1.0E-03	1.3E-04	1.6E-01	5.5E-03	1.1E-07	3.1E+00
556	0.09	9.4E-08	1.2E+01	8.6E-03	1.0E-03	1.1E-04	1.6E-01	5.5E-03	9.4E-08	2.9E+00
557	0.02	2.5E-08	3.2E+00	8.6E-03	1.0E-03	2.9E-05	1.6E-01	5.5E-03	2.5E-08	9.6E+00
558	0.03	2.9E-08	3.7E+00	8.6E-03	1.0E-03	3.4E-05	1.6E-01	5.5E-03	2.9E-08	1.1E+01
559	0.03	3.4E-08	4.4E+00	8.6E-03	1.0E-03	3.9E-05	1.6E-01	5.5E-03	3.4E-08	1.3E+01
560	0.04	4.1E-08	5.3E+00	8.6E-03	1.0E-03	4.7E-05	1.6E-01	5.5E-03	4.1E-08	1.4E+01
561	0.05	5.0E-08	6.4E+00	8.6E-03	1.0E-03	5.8E-05	1.6E-01	5.5E-03	5.0E-08	1.5E+01
562	0.39	3.9E-07	5.1E+01	8.6E-03	1.0E-03	4.6E-04	1.6E-01	5.5E-03	3.9E-07	5.7E+00
563	0.32	3.2E-07	4.1E+01	8.6E-03	1.0E-03	3.7E-04	1.6E-01	5.5E-03	3.2E-07	5.1E+00
564	0.26	2.6E-07	3.3E+01	8.6E-03	1.0E-03	3.0E-04	1.6E-01	5.5E-03	2.6E-07	4.6E+00
565	0.20	2.0E-07	2.5E+01	8.6E-03	1.0E-03	2.3E-04	1.6E-01	5.5E-03	2.0E-07	4.1E+00
566	0.16	1.6E-07	2.1E+01	8.6E-03	1.0E-03	1.9E-04	1.6E-01	5.5E-03	1.6E-07	3.7E+00
567	0.14	1.4E-07	1.8E+01	8.6E-03	1.0E-03	1.6E-04	1.6E-01	5.5E-03	1.4E-07	3.4E+00
568	0.12	1.2E-07	1.5E+01	8.6E-03	1.0E-03	1.4E-04	1.6E-01	5.5E-03	1.2E-07	3.1E+00
569	0.10	1.0E-07	1.3E+01	8.6E-03	1.0E-03	1.2E-04	1.6E-01	5.5E-03	1.0E-07	2.9E+00
570	0.09	9.1E-08	1.2E+01	8.6E-03	1.0E-03	1.1E-04	1.6E-01	5.5E-03	9.1E-08	2.7E+00
571	0.03	2.5E-08	3.3E+00	8.6E-03	1.0E-03	2.9E-05	1.6E-01	5.5E-03	2.5E-08	8.2E+00
572	0.03	2.9E-08	3.8E+00	8.6E-03	1.0E-03	3.4E-05	1.6E-01	5.5E-03	2.9E-08	9.3E+00
573	0.03	3.4E-08	4.4E+00	8.6E-03	1.0E-03	4.0E-05	1.6E-01	5.5E-03	3.4E-08	1.0E+01
574	0.04	4.1E-08	5.4E+00	8.6E-03	1.0E-03	4.8E-05	1.6E-01	5.5E-03	4.1E-08	1.1E+01
575	0.05	5.0E-08	6.5E+00	8.6E-03	1.0E-03	5.8E-05	1.6E-01	5.5E-03	5.0E-08	1.2E+01
576	0.37	3.7E-07	4.7E+01	8.6E-03	1.0E-03	4.2E-04	1.6E-01	5.5E-03	3.7E-07	4.8E+00
577	0.29	2.9E-07	3.8E+01	8.6E-03	1.0E-03	3.4E-04	1.6E-01	5.5E-03	2.9E-07	4.3E+00
578	0.23	2.3E-07	2.9E+01	8.6E-03	1.0E-03	2.6E-04	1.6E-01	5.5E-03	2.3E-07	3.9E+00
579	0.18	1.8E-07	2.4E+01	8.6E-03	1.0E-03	2.1E-04	1.6E-01	5.5E-03	1.8E-07	3.6E+00
580	0.15	1.5E-07	2.0E+01	8.6E-03	1.0E-03	1.8E-04	1.6E-01	5.5E-03	1.5E-07	3.3E+00
581	0.12	1.2E-07	1.6E+01	8.6E-03	1.0E-03	1.4E-04	1.6E-01	5.5E-03	1.2E-07	3.0E+00
582	0.10	1.0E-07	1.3E+01	8.6E-03	1.0E-03	1.2E-04	1.6E-01	5.5E-03	1.0E-07	2.7E+00

583	0.09	8.8E-08	1.1E+01	8.6E-03	1.0E-03	1.0E-04	1.6E-01	5.5E-03	8.8E-08	2.5E+00
584	0.03	2.5E-08	3.3E+00	8.6E-03	1.0E-03	2.9E-05	1.6E-01	5.5E-03	2.5E-08	7.0E+00
585	0.03	2.9E-08	3.8E+00	8.6E-03	1.0E-03	3.4E-05	1.6E-01	5.5E-03	2.9E-08	7.8E+00
586	0.03	3.5E-08	4.5E+00	8.6E-03	1.0E-03	4.0E-05	1.6E-01	5.5E-03	3.5E-08	8.5E+00
587	0.04	4.1E-08	5.4E+00	8.6E-03	1.0E-03	4.8E-05	1.6E-01	5.5E-03	4.1E-08	9.1E+00
588	0.05	5.0E-08	6.5E+00	8.6E-03	1.0E-03	5.9E-05	1.6E-01	5.5E-03	5.0E-08	9.7E+00
589	0.34	3.4E-07	4.4E+01	8.6E-03	1.0E-03	4.0E-04	1.6E-01	5.5E-03	3.4E-07	4.1E+00
590	0.27	2.7E-07	3.5E+01	8.6E-03	1.0E-03	3.2E-04	1.6E-01	5.5E-03	2.7E-07	3.8E+00
591	0.22	2.2E-07	2.8E+01	8.6E-03	1.0E-03	2.5E-04	1.6E-01	5.5E-03	2.2E-07	3.5E+00
592	0.17	1.7E-07	2.2E+01	8.6E-03	1.0E-03	2.0E-04	1.6E-01	5.5E-03	1.7E-07	3.2E+00
593	0.14	1.4E-07	1.8E+01	8.6E-03	1.0E-03	1.6E-04	1.6E-01	5.5E-03	1.4E-07	2.9E+00
594	0.11	1.1E-07	1.4E+01	8.6E-03	1.0E-03	1.3E-04	1.6E-01	5.5E-03	1.1E-07	2.7E+00
595	0.09	9.0E-08	1.2E+01	8.6E-03	1.0E-03	1.1E-04	1.6E-01	5.5E-03	9.0E-08	2.4E+00
596	0.02	2.5E-08	3.2E+00	8.6E-03	1.0E-03	2.9E-05	1.6E-01	5.5E-03	2.5E-08	6.0E+00
597	0.03	2.9E-08	3.8E+00	8.6E-03	1.0E-03	3.4E-05	1.6E-01	5.5E-03	2.9E-08	6.6E+00
598	0.03	3.4E-08	4.4E+00	8.6E-03	1.0E-03	4.0E-05	1.6E-01	5.5E-03	3.4E-08	7.1E+00
599	0.04	4.1E-08	5.3E+00	8.6E-03	1.0E-03	4.7E-05	1.6E-01	5.5E-03	4.1E-08	7.6E+00
600	0.05	5.0E-08	6.4E+00	8.6E-03	1.0E-03	5.8E-05	1.6E-01	5.5E-03	5.0E-08	8.0E+00
601	0.29	2.9E-07	3.8E+01	8.6E-03	1.0E-03	3.4E-04	1.6E-01	5.5E-03	2.9E-07	3.5E+00
602	0.22	2.2E-07	2.9E+01	8.6E-03	1.0E-03	2.6E-04	1.6E-01	5.5E-03	2.2E-07	3.3E+00
603	0.17	1.7E-07	2.2E+01	8.6E-03	1.0E-03	2.0E-04	1.6E-01	5.5E-03	1.7E-07	3.0E+00
604	0.14	1.4E-07	1.8E+01	8.6E-03	1.0E-03	1.6E-04	1.6E-01	5.5E-03	1.4E-07	2.8E+00
605	0.11	1.1E-07	1.5E+01	8.6E-03	1.0E-03	1.3E-04	1.6E-01	5.5E-03	1.1E-07	2.6E+00
606	0.09	9.1E-08	1.2E+01	8.6E-03	1.0E-03	1.1E-04	1.6E-01	5.5E-03	9.1E-08	2.4E+00
607	0.02	2.5E-08	3.2E+00	8.6E-03	1.0E-03	2.9E-05	1.6E-01	5.5E-03	2.5E-08	5.2E+00
608	0.03	2.9E-08	3.7E+00	8.6E-03	1.0E-03	3.3E-05	1.6E-01	5.5E-03	2.9E-08	5.7E+00
609	0.03	3.4E-08	4.3E+00	8.6E-03	1.0E-03	3.9E-05	1.6E-01	5.5E-03	3.4E-08	6.1E+00
610	0.04	4.0E-08	5.2E+00	8.6E-03	1.0E-03	4.6E-05	1.6E-01	5.5E-03	4.0E-08	6.5E+00
611	0.05	4.8E-08	6.2E+00	8.6E-03	1.0E-03	5.6E-05	1.6E-01	5.5E-03	4.8E-08	6.8E+00
612	0.30	3.0E-07	3.8E+01	8.6E-03	1.0E-03	3.4E-04	1.6E-01	5.5E-03	3.0E-07	3.3E+00
613	0.22	2.2E-07	2.8E+01	8.6E-03	1.0E-03	2.6E-04	1.6E-01	5.5E-03	2.2E-07	3.1E+00
614	0.17	1.7E-07	2.2E+01	8.6E-03	1.0E-03	1.9E-04	1.6E-01	5.5E-03	1.7E-07	2.9E+00
615	0.13	1.3E-07	1.7E+01	8.6E-03	1.0E-03	1.5E-04	1.6E-01	5.5E-03	1.3E-07	2.7E+00
616	0.11	1.1E-07	1.4E+01	8.6E-03	1.0E-03	1.3E-04	1.6E-01	5.5E-03	1.1E-07	2.5E+00
617	0.09	8.8E-08	1.1E+01	8.6E-03	1.0E-03	1.0E-04	1.6E-01	5.5E-03	8.8E-08	2.3E+00
618	0.02	2.4E-08	3.1E+00	8.6E-03	1.0E-03	2.8E-05	1.6E-01	5.5E-03	2.4E-08	4.6E+00
619	0.03	2.8E-08	3.6E+00	8.6E-03	1.0E-03	3.2E-05	1.6E-01	5.5E-03	2.8E-08	4.9E+00
620	0.03	3.3E-08	4.2E+00	8.6E-03	1.0E-03	3.8E-05	1.6E-01	5.5E-03	3.3E-08	5.3E+00
621	0.04	3.8E-08	5.0E+00	8.6E-03	1.0E-03	4.5E-05	1.6E-01	5.5E-03	3.8E-08	5.6E+00
622	0.05	4.6E-08	6.0E+00	8.6E-03	1.0E-03	5.4E-05	1.6E-01	5.5E-03	4.6E-08	5.8E+00
623	0.28	2.8E-07	3.6E+01	8.6E-03	1.0E-03	3.2E-04	1.6E-01	5.5E-03	2.8E-07	3.1E+00
624	0.20	2.0E-07	2.6E+01	8.6E-03	1.0E-03	2.4E-04	1.6E-01	5.5E-03	2.0E-07	2.9E+00
625	0.16	1.6E-07	2.0E+01	8.6E-03	1.0E-03	1.8E-04	1.6E-01	5.5E-03	1.6E-07	2.7E+00
626	0.12	1.2E-07	1.6E+01	8.6E-03	1.0E-03	1.4E-04	1.6E-01	5.5E-03	1.2E-07	2.5E+00
627	0.10	1.0E-07	1.3E+01	8.6E-03	1.0E-03	1.2E-04	1.6E-01	5.5E-03	1.0E-07	2.4E+00
628	0.08	8.4E-08	1.1E+01	8.6E-03	1.0E-03	9.8E-05	1.6E-01	5.5E-03	8.4E-08	2.2E+00
629	0.02	2.3E-08	3.0E+00	8.6E-03	1.0E-03	2.7E-05	1.6E-01	5.5E-03	2.3E-08	4.1E+00
630	0.03	2.7E-08	3.5E+00	8.6E-03	1.0E-03	3.1E-05	1.6E-01	5.5E-03	2.7E-08	4.3E+00
631	0.03	3.1E-08	4.0E+00	8.6E-03	1.0E-03	3.6E-05	1.6E-01	5.5E-03	3.1E-08	4.6E+00

632	0.04	3.7E-08	4.7E+00	8.6E-03	1.0E-03	4.3E-05	1.6E-01	5.5E-03	3.7E-08	4.8E+00
633	0.04	4.4E-08	5.7E+00	8.6E-03	1.0E-03	5.1E-05	1.6E-01	5.5E-03	4.4E-08	5.0E+00
634	0.24	2.4E-07	3.1E+01	8.6E-03	1.0E-03	2.8E-04	1.6E-01	5.5E-03	2.4E-07	3.0E+00
635	0.18	1.8E-07	2.3E+01	8.6E-03	1.0E-03	2.1E-04	1.6E-01	5.5E-03	1.8E-07	2.8E+00
636	0.14	1.4E-07	1.8E+01	8.6E-03	1.0E-03	1.6E-04	1.6E-01	5.5E-03	1.4E-07	2.6E+00
637	0.11	1.1E-07	1.5E+01	8.6E-03	1.0E-03	1.3E-04	1.6E-01	5.5E-03	1.1E-07	2.4E+00
638	0.09	9.4E-08	1.2E+01	8.6E-03	1.0E-03	1.1E-04	1.6E-01	5.5E-03	9.4E-08	2.3E+00
639	0.08	7.9E-08	1.0E+01	8.6E-03	1.0E-03	9.2E-05	1.6E-01	5.5E-03	7.9E-08	2.1E+00
640	0.02	2.2E-08	2.9E+00	8.6E-03	1.0E-03	2.6E-05	1.6E-01	5.5E-03	2.2E-08	3.6E+00
641	0.03	2.6E-08	3.3E+00	8.6E-03	1.0E-03	3.0E-05	1.6E-01	5.5E-03	2.6E-08	3.8E+00
642	0.03	3.0E-08	3.9E+00	8.6E-03	1.0E-03	3.5E-05	1.6E-01	5.5E-03	3.0E-08	4.1E+00
643	0.03	3.5E-08	4.5E+00	8.6E-03	1.0E-03	4.1E-05	1.6E-01	5.5E-03	3.5E-08	4.3E+00
644	0.04	4.2E-08	5.4E+00	8.6E-03	1.0E-03	4.8E-05	1.6E-01	5.5E-03	4.2E-08	4.4E+00
645	0.19	1.9E-07	2.5E+01	8.6E-03	1.0E-03	2.2E-04	1.6E-01	5.5E-03	1.9E-07	2.8E+00
646	0.15	1.5E-07	2.0E+01	8.6E-03	1.0E-03	1.8E-04	1.6E-01	5.5E-03	1.5E-07	2.6E+00
647	0.12	1.2E-07	1.6E+01	8.6E-03	1.0E-03	1.4E-04	1.6E-01	5.5E-03	1.2E-07	2.5E+00
648	0.10	1.0E-07	1.3E+01	8.6E-03	1.0E-03	1.2E-04	1.6E-01	5.5E-03	1.0E-07	2.3E+00
649	0.09	8.5E-08	1.1E+01	8.6E-03	1.0E-03	9.9E-05	1.6E-01	5.5E-03	8.5E-08	2.2E+00
650	0.07	7.3E-08	9.4E+00	8.6E-03	1.0E-03	8.4E-05	1.6E-01	5.5E-03	7.3E-08	2.0E+00
651	0.02	2.2E-08	2.8E+00	8.6E-03	1.0E-03	2.5E-05	1.6E-01	5.5E-03	2.2E-08	3.2E+00
652	0.02	2.5E-08	3.2E+00	8.6E-03	1.0E-03	2.9E-05	1.6E-01	5.5E-03	2.5E-08	3.4E+00
653	0.03	2.8E-08	3.7E+00	8.6E-03	1.0E-03	3.3E-05	1.6E-01	5.5E-03	2.8E-08	3.6E+00
654	0.03	3.3E-08	4.3E+00	8.6E-03	1.0E-03	3.8E-05	1.6E-01	5.5E-03	3.3E-08	3.8E+00
655	0.04	3.9E-08	5.1E+00	8.6E-03	1.0E-03	4.5E-05	1.6E-01	5.5E-03	3.9E-08	3.9E+00
656	0.05	4.7E-08	6.0E+00	8.6E-03	1.0E-03	5.4E-05	1.6E-01	5.5E-03	4.7E-08	4.0E+00
657	0.06	5.7E-08	7.3E+00	8.6E-03	1.0E-03	6.6E-05	1.6E-01	5.5E-03	5.6E-08	4.1E+00
658	0.07	7.0E-08	9.1E+00	8.6E-03	1.0E-03	8.2E-05	1.6E-01	5.5E-03	7.0E-08	4.1E+00
659	0.09	8.9E-08	1.2E+01	8.6E-03	1.0E-03	1.0E-04	1.6E-01	5.5E-03	8.9E-08	4.1E+00
660	0.12	1.2E-07	1.5E+01	8.6E-03	1.0E-03	1.3E-04	1.6E-01	5.5E-03	1.2E-07	4.1E+00
661	0.15	1.5E-07	1.9E+01	8.6E-03	1.0E-03	1.7E-04	1.6E-01	5.5E-03	1.5E-07	4.0E+00
662	0.19	1.9E-07	2.4E+01	8.6E-03	1.0E-03	2.2E-04	1.6E-01	5.5E-03	1.9E-07	3.9E+00
663	0.22	2.2E-07	2.9E+01	8.6E-03	1.0E-03	2.6E-04	1.6E-01	5.5E-03	2.2E-07	3.8E+00
664	0.25	2.5E-07	3.2E+01	8.6E-03	1.0E-03	2.9E-04	1.6E-01	5.5E-03	2.5E-07	3.7E+00
665	0.26	2.6E-07	3.4E+01	8.6E-03	1.0E-03	3.1E-04	1.6E-01	5.5E-03	2.6E-07	3.6E+00
666	0.27	2.7E-07	3.5E+01	8.6E-03	1.0E-03	3.1E-04	1.6E-01	5.5E-03	2.7E-07	3.4E+00
667	0.26	2.6E-07	3.4E+01	8.6E-03	1.0E-03	3.1E-04	1.6E-01	5.5E-03	2.6E-07	3.3E+00
668	0.25	2.5E-07	3.2E+01	8.6E-03	1.0E-03	2.9E-04	1.6E-01	5.5E-03	2.5E-07	3.1E+00
669	0.22	2.2E-07	2.9E+01	8.6E-03	1.0E-03	2.6E-04	1.6E-01	5.5E-03	2.2E-07	2.9E+00
670	0.19	1.9E-07	2.4E+01	8.6E-03	1.0E-03	2.2E-04	1.6E-01	5.5E-03	1.9E-07	2.8E+00
671	0.15	1.5E-07	2.0E+01	8.6E-03	1.0E-03	1.8E-04	1.6E-01	5.5E-03	1.5E-07	2.6E+00
672	0.13	1.3E-07	1.6E+01	8.6E-03	1.0E-03	1.5E-04	1.6E-01	5.5E-03	1.3E-07	2.5E+00
673	0.11	1.1E-07	1.4E+01	8.6E-03	1.0E-03	1.2E-04	1.6E-01	5.5E-03	1.1E-07	2.3E+00
674	0.09	9.0E-08	1.2E+01	8.6E-03	1.0E-03	1.0E-04	1.6E-01	5.5E-03	9.0E-08	2.2E+00
675	0.08	7.7E-08	9.9E+00	8.6E-03	1.0E-03	8.9E-05	1.6E-01	5.5E-03	7.7E-08	2.1E+00
676	0.07	6.6E-08	8.6E+00	8.6E-03	1.0E-03	7.7E-05	1.6E-01	5.5E-03	6.6E-08	1.9E+00
677	0.02	2.1E-08	2.7E+00	8.6E-03	1.0E-03	2.4E-05	1.6E-01	5.5E-03	2.1E-08	2.9E+00
678	0.02	2.3E-08	3.0E+00	8.6E-03	1.0E-03	2.7E-05	1.6E-01	5.5E-03	2.3E-08	3.1E+00
679	0.03	2.7E-08	3.5E+00	8.6E-03	1.0E-03	3.1E-05	1.6E-01	5.5E-03	2.7E-08	3.2E+00
680	0.03	3.1E-08	4.0E+00	8.6E-03	1.0E-03	3.6E-05	1.6E-01	5.5E-03	3.1E-08	3.4E+00

681	0.04	3.6E-08	4.7E+00	8.6E-03	1.0E-03	4.2E-05	1.6E-01	5.5E-03	3.6E-08	3.5E+00
682	0.04	4.2E-08	5.5E+00	8.6E-03	1.0E-03	4.9E-05	1.6E-01	5.5E-03	4.2E-08	3.6E+00
683	0.05	5.1E-08	6.5E+00	8.6E-03	1.0E-03	5.9E-05	1.6E-01	5.5E-03	5.1E-08	3.7E+00
684	0.06	6.2E-08	8.0E+00	8.6E-03	1.0E-03	7.2E-05	1.6E-01	5.5E-03	6.2E-08	3.7E+00
685	0.08	7.6E-08	9.8E+00	8.6E-03	1.0E-03	8.8E-05	1.6E-01	5.5E-03	7.6E-08	3.7E+00
686	0.09	9.4E-08	1.2E+01	8.6E-03	1.0E-03	1.1E-04	1.6E-01	5.5E-03	9.4E-08	3.7E+00
687	0.12	1.2E-07	1.5E+01	8.6E-03	1.0E-03	1.3E-04	1.6E-01	5.5E-03	1.2E-07	3.6E+00
688	0.14	1.4E-07	1.8E+01	8.6E-03	1.0E-03	1.6E-04	1.6E-01	5.5E-03	1.4E-07	3.6E+00
689	0.16	1.6E-07	2.1E+01	8.6E-03	1.0E-03	1.9E-04	1.6E-01	5.5E-03	1.6E-07	3.5E+00
690	0.18	1.8E-07	2.3E+01	8.6E-03	1.0E-03	2.0E-04	1.6E-01	5.5E-03	1.8E-07	3.4E+00
691	0.19	1.9E-07	2.4E+01	8.6E-03	1.0E-03	2.2E-04	1.6E-01	5.5E-03	1.9E-07	3.3E+00
692	0.19	1.9E-07	2.5E+01	8.6E-03	1.0E-03	2.2E-04	1.6E-01	5.5E-03	1.9E-07	3.1E+00
693	0.19	1.9E-07	2.4E+01	8.6E-03	1.0E-03	2.2E-04	1.6E-01	5.5E-03	1.9E-07	3.0E+00
694	0.18	1.8E-07	2.3E+01	8.6E-03	1.0E-03	2.1E-04	1.6E-01	5.5E-03	1.8E-07	2.9E+00
695	0.16	1.6E-07	2.1E+01	8.6E-03	1.0E-03	1.9E-04	1.6E-01	5.5E-03	1.6E-07	2.7E+00
696	0.14	1.4E-07	1.9E+01	8.6E-03	1.0E-03	1.7E-04	1.6E-01	5.5E-03	1.4E-07	2.6E+00
697	0.12	1.2E-07	1.6E+01	8.6E-03	1.0E-03	1.4E-04	1.6E-01	5.5E-03	1.2E-07	2.5E+00
698	0.11	1.1E-07	1.4E+01	8.6E-03	1.0E-03	1.2E-04	1.6E-01	5.5E-03	1.1E-07	2.3E+00
699	0.09	9.1E-08	1.2E+01	8.6E-03	1.0E-03	1.1E-04	1.6E-01	5.5E-03	9.1E-08	2.2E+00
700	0.08	7.9E-08	1.0E+01	8.6E-03	1.0E-03	9.2E-05	1.6E-01	5.5E-03	7.9E-08	2.1E+00
701	0.07	6.8E-08	8.9E+00	8.6E-03	1.0E-03	8.0E-05	1.6E-01	5.5E-03	6.8E-08	2.0E+00
702	0.06	6.0E-08	7.8E+00	8.6E-03	1.0E-03	7.0E-05	1.6E-01	5.5E-03	6.0E-08	1.9E+00
703	0.02	1.9E-08	2.5E+00	8.6E-03	1.0E-03	2.3E-05	1.6E-01	5.5E-03	1.9E-08	2.7E+00
704	0.02	2.2E-08	2.9E+00	8.6E-03	1.0E-03	2.6E-05	1.6E-01	5.5E-03	2.2E-08	2.8E+00
705	0.02	2.5E-08	3.2E+00	8.6E-03	1.0E-03	2.9E-05	1.6E-01	5.5E-03	2.5E-08	2.9E+00
706	0.03	2.9E-08	3.7E+00	8.6E-03	1.0E-03	3.3E-05	1.6E-01	5.5E-03	2.9E-08	3.0E+00
707	0.03	3.3E-08	4.3E+00	8.6E-03	1.0E-03	3.8E-05	1.6E-01	5.5E-03	3.3E-08	3.1E+00
708	0.04	3.9E-08	5.0E+00	8.6E-03	1.0E-03	4.5E-05	1.6E-01	5.5E-03	3.9E-08	3.2E+00
709	0.05	4.6E-08	5.9E+00	8.6E-03	1.0E-03	5.3E-05	1.6E-01	5.5E-03	4.6E-08	3.3E+00
710	0.05	5.5E-08	7.1E+00	8.6E-03	1.0E-03	6.3E-05	1.6E-01	5.5E-03	5.5E-08	3.3E+00
711	0.06	6.5E-08	8.4E+00	8.6E-03	1.0E-03	7.5E-05	1.6E-01	5.5E-03	6.5E-08	3.3E+00
712	0.08	7.8E-08	1.0E+01	8.6E-03	1.0E-03	9.0E-05	1.6E-01	5.5E-03	7.8E-08	3.3E+00
713	0.09	9.2E-08	1.2E+01	8.6E-03	1.0E-03	1.1E-04	1.6E-01	5.5E-03	9.2E-08	3.3E+00
714	0.11	1.1E-07	1.4E+01	8.6E-03	1.0E-03	1.2E-04	1.6E-01	5.5E-03	1.1E-07	3.3E+00
715	0.12	1.2E-07	1.6E+01	8.6E-03	1.0E-03	1.4E-04	1.6E-01	5.5E-03	1.2E-07	3.2E+00
716	0.13	1.3E-07	1.7E+01	8.6E-03	1.0E-03	1.5E-04	1.6E-01	5.5E-03	1.3E-07	3.1E+00
717	0.14	1.4E-07	1.8E+01	8.6E-03	1.0E-03	1.6E-04	1.6E-01	5.5E-03	1.4E-07	3.0E+00
718	0.14	1.4E-07	1.8E+01	8.6E-03	1.0E-03	1.6E-04	1.6E-01	5.5E-03	1.4E-07	2.9E+00
719	0.14	1.4E-07	1.8E+01	8.6E-03	1.0E-03	1.6E-04	1.6E-01	5.5E-03	1.4E-07	2.8E+00
720	0.13	1.3E-07	1.7E+01	8.6E-03	1.0E-03	1.6E-04	1.6E-01	5.5E-03	1.3E-07	2.7E+00
721	0.13	1.3E-07	1.6E+01	8.6E-03	1.0E-03	1.5E-04	1.6E-01	5.5E-03	1.3E-07	2.6E+00
722	0.11	1.1E-07	1.5E+01	8.6E-03	1.0E-03	1.3E-04	1.6E-01	5.5E-03	1.1E-07	2.4E+00
723	0.10	1.0E-07	1.3E+01	8.6E-03	1.0E-03	1.2E-04	1.6E-01	5.5E-03	1.0E-07	2.3E+00
724	0.09	9.0E-08	1.2E+01	8.6E-03	1.0E-03	1.0E-04	1.6E-01	5.5E-03	9.0E-08	2.2E+00
725	0.08	7.9E-08	1.0E+01	8.6E-03	1.0E-03	9.2E-05	1.6E-01	5.5E-03	7.9E-08	2.1E+00
726	0.07	7.0E-08	9.0E+00	8.6E-03	1.0E-03	8.1E-05	1.6E-01	5.5E-03	7.0E-08	2.0E+00
727	0.06	6.1E-08	7.9E+00	8.6E-03	1.0E-03	7.1E-05	1.6E-01	5.5E-03	6.1E-08	1.9E+00
728	0.05	5.4E-08	7.0E+00	8.6E-03	1.0E-03	6.3E-05	1.6E-01	5.5E-03	5.4E-08	1.8E+00
729	0.02	1.9E-08	2.4E+00	8.6E-03	1.0E-03	2.1E-05	1.6E-01	5.5E-03	1.9E-08	2.4E+00

730	0.02	2.1E-08	2.7E+00	8.6E-03	1.0E-03	2.4E-05	1.6E-01	5.5E-03	2.1E-08	2.5E+00
731	0.02	2.3E-08	3.0E+00	8.6E-03	1.0E-03	2.7E-05	1.6E-01	5.5E-03	2.3E-08	2.6E+00
732	0.03	2.7E-08	3.5E+00	8.6E-03	1.0E-03	3.1E-05	1.6E-01	5.5E-03	2.7E-08	2.7E+00
733	0.03	3.0E-08	3.9E+00	8.6E-03	1.0E-03	3.5E-05	1.6E-01	5.5E-03	3.0E-08	2.8E+00
734	0.04	3.5E-08	4.6E+00	8.6E-03	1.0E-03	4.1E-05	1.6E-01	5.5E-03	3.5E-08	2.9E+00
735	0.04	4.1E-08	5.3E+00	8.6E-03	1.0E-03	4.7E-05	1.6E-01	5.5E-03	4.1E-08	3.0E+00
736	0.05	4.8E-08	6.2E+00	8.6E-03	1.0E-03	5.6E-05	1.6E-01	5.5E-03	4.8E-08	3.0E+00
737	0.06	5.6E-08	7.2E+00	8.6E-03	1.0E-03	6.5E-05	1.6E-01	5.5E-03	5.6E-08	3.0E+00
738	0.06	6.5E-08	8.4E+00	8.6E-03	1.0E-03	7.5E-05	1.6E-01	5.5E-03	6.5E-08	3.0E+00
739	0.07	7.5E-08	9.6E+00	8.6E-03	1.0E-03	8.7E-05	1.6E-01	5.5E-03	7.5E-08	3.0E+00
740	0.08	8.5E-08	1.1E+01	8.6E-03	1.0E-03	9.8E-05	1.6E-01	5.5E-03	8.5E-08	3.0E+00
741	0.09	9.4E-08	1.2E+01	8.6E-03	1.0E-03	1.1E-04	1.6E-01	5.5E-03	9.4E-08	2.9E+00
742	0.10	1.0E-07	1.3E+01	8.6E-03	1.0E-03	1.2E-04	1.6E-01	5.5E-03	1.0E-07	2.9E+00
743	0.11	1.1E-07	1.4E+01	8.6E-03	1.0E-03	1.2E-04	1.6E-01	5.5E-03	1.1E-07	2.8E+00
744	0.11	1.1E-07	1.4E+01	8.6E-03	1.0E-03	1.3E-04	1.6E-01	5.5E-03	1.1E-07	2.7E+00
745	0.11	1.1E-07	1.4E+01	8.6E-03	1.0E-03	1.3E-04	1.6E-01	5.5E-03	1.1E-07	2.6E+00
746	0.11	1.1E-07	1.4E+01	8.6E-03	1.0E-03	1.2E-04	1.6E-01	5.5E-03	1.1E-07	2.5E+00
747	0.10	1.0E-07	1.3E+01	8.6E-03	1.0E-03	1.2E-04	1.6E-01	5.5E-03	1.0E-07	2.4E+00
748	0.09	9.3E-08	1.2E+01	8.6E-03	1.0E-03	1.1E-04	1.6E-01	5.5E-03	9.3E-08	2.3E+00
749	0.08	8.5E-08	1.1E+01	8.6E-03	1.0E-03	9.8E-05	1.6E-01	5.5E-03	8.5E-08	2.2E+00
750	0.08	7.6E-08	9.9E+00	8.6E-03	1.0E-03	8.9E-05	1.6E-01	5.5E-03	7.6E-08	2.1E+00
751	0.07	6.9E-08	8.9E+00	8.6E-03	1.0E-03	8.0E-05	1.6E-01	5.5E-03	6.9E-08	2.0E+00
752	0.06	6.1E-08	7.9E+00	8.6E-03	1.0E-03	7.1E-05	1.6E-01	5.5E-03	6.1E-08	1.9E+00
753	0.05	5.5E-08	7.1E+00	8.6E-03	1.0E-03	6.4E-05	1.6E-01	5.5E-03	5.5E-08	1.8E+00
754	0.05	4.9E-08	6.4E+00	8.6E-03	1.0E-03	5.7E-05	1.6E-01	5.5E-03	4.9E-08	1.7E+00
755	0.02	1.8E-08	2.3E+00	8.6E-03	1.0E-03	2.0E-05	1.6E-01	5.5E-03	1.8E-08	2.2E+00
756	0.02	1.9E-08	2.5E+00	8.6E-03	1.0E-03	2.3E-05	1.6E-01	5.5E-03	1.9E-08	2.3E+00
757	0.02	2.2E-08	2.8E+00	8.6E-03	1.0E-03	2.5E-05	1.6E-01	5.5E-03	2.2E-08	2.4E+00
758	0.02	2.5E-08	3.2E+00	8.6E-03	1.0E-03	2.9E-05	1.6E-01	5.5E-03	2.5E-08	2.5E+00
759	0.03	2.8E-08	3.6E+00	8.6E-03	1.0E-03	3.3E-05	1.6E-01	5.5E-03	2.8E-08	2.6E+00
760	0.03	3.2E-08	4.1E+00	8.6E-03	1.0E-03	3.7E-05	1.6E-01	5.5E-03	3.2E-08	2.6E+00
761	0.04	3.7E-08	4.7E+00	8.6E-03	1.0E-03	4.3E-05	1.6E-01	5.5E-03	3.7E-08	2.7E+00
762	0.04	4.2E-08	5.5E+00	8.6E-03	1.0E-03	4.9E-05	1.6E-01	5.5E-03	4.2E-08	2.7E+00
763	0.05	4.8E-08	6.2E+00	8.6E-03	1.0E-03	5.6E-05	1.6E-01	5.5E-03	4.8E-08	2.8E+00
764	0.05	5.5E-08	7.1E+00	8.6E-03	1.0E-03	6.4E-05	1.6E-01	5.5E-03	5.5E-08	2.8E+00
765	0.06	6.2E-08	8.0E+00	8.6E-03	1.0E-03	7.2E-05	1.6E-01	5.5E-03	6.2E-08	2.7E+00
766	0.07	6.9E-08	8.9E+00	8.6E-03	1.0E-03	8.0E-05	1.6E-01	5.5E-03	6.9E-08	2.7E+00
767	0.08	7.6E-08	9.8E+00	8.6E-03	1.0E-03	8.8E-05	1.6E-01	5.5E-03	7.6E-08	2.7E+00
768	0.08	8.1E-08	1.0E+01	8.6E-03	1.0E-03	9.4E-05	1.6E-01	5.5E-03	8.1E-08	2.6E+00
769	0.08	8.5E-08	1.1E+01	8.6E-03	1.0E-03	9.9E-05	1.6E-01	5.5E-03	8.5E-08	2.6E+00
770	0.09	8.7E-08	1.1E+01	8.6E-03	1.0E-03	1.0E-04	1.6E-01	5.5E-03	8.7E-08	2.5E+00
771	0.09	8.8E-08	1.1E+01	8.6E-03	1.0E-03	1.0E-04	1.6E-01	5.5E-03	8.8E-08	2.4E+00
772	0.09	8.7E-08	1.1E+01	8.6E-03	1.0E-03	1.0E-04	1.6E-01	5.5E-03	8.7E-08	2.3E+00
773	0.08	8.3E-08	1.1E+01	8.6E-03	1.0E-03	9.7E-05	1.6E-01	5.5E-03	8.3E-08	2.2E+00
774	0.08	7.7E-08	1.0E+01	8.6E-03	1.0E-03	9.0E-05	1.6E-01	5.5E-03	7.7E-08	2.2E+00
775	0.07	7.2E-08	9.3E+00	8.6E-03	1.0E-03	8.3E-05	1.6E-01	5.5E-03	7.2E-08	2.1E+00
776	0.07	6.6E-08	8.5E+00	8.6E-03	1.0E-03	7.7E-05	1.6E-01	5.5E-03	6.6E-08	2.0E+00
777	0.06	6.0E-08	7.8E+00	8.6E-03	1.0E-03	7.0E-05	1.6E-01	5.5E-03	6.0E-08	1.9E+00
778	0.05	5.5E-08	7.1E+00	8.6E-03	1.0E-03	6.3E-05	1.6E-01	5.5E-03	5.5E-08	1.8E+00

779	0.05	4.9E-08	6.4E+00	8.6E-03	1.0E-03	5.7E-05	1.6E-01	5.5E-03	4.9E-08	1.7E+00
780	0.04	4.5E-08	5.8E+00	8.6E-03	1.0E-03	5.2E-05	1.6E-01	5.5E-03	4.5E-08	1.6E+00
781	0.02	1.7E-08	2.1E+00	8.6E-03	1.0E-03	1.9E-05	1.6E-01	5.5E-03	1.7E-08	2.0E+00
782	0.02	1.8E-08	2.4E+00	8.6E-03	1.0E-03	2.1E-05	1.6E-01	5.5E-03	1.8E-08	2.1E+00
783	0.02	2.0E-08	2.6E+00	8.6E-03	1.0E-03	2.4E-05	1.6E-01	5.5E-03	2.0E-08	2.2E+00
784	0.02	2.3E-08	3.0E+00	8.6E-03	1.0E-03	2.7E-05	1.6E-01	5.5E-03	2.3E-08	2.3E+00
785	0.03	2.6E-08	3.3E+00	8.6E-03	1.0E-03	3.0E-05	1.6E-01	5.5E-03	2.6E-08	2.4E+00
786	0.03	2.9E-08	3.8E+00	8.6E-03	1.0E-03	3.4E-05	1.6E-01	5.5E-03	2.9E-08	2.4E+00
787	0.03	3.3E-08	4.3E+00	8.6E-03	1.0E-03	3.8E-05	1.6E-01	5.5E-03	3.3E-08	2.5E+00
788	0.04	3.7E-08	4.8E+00	8.6E-03	1.0E-03	4.3E-05	1.6E-01	5.5E-03	3.7E-08	2.5E+00
789	0.04	4.2E-08	5.4E+00	8.6E-03	1.0E-03	4.9E-05	1.6E-01	5.5E-03	4.2E-08	2.5E+00
790	0.05	4.7E-08	6.1E+00	8.6E-03	1.0E-03	5.5E-05	1.6E-01	5.5E-03	4.7E-08	2.5E+00
791	0.05	5.2E-08	6.8E+00	8.6E-03	1.0E-03	6.1E-05	1.6E-01	5.5E-03	5.2E-08	2.5E+00
792	0.06	5.8E-08	7.5E+00	8.6E-03	1.0E-03	6.7E-05	1.6E-01	5.5E-03	5.8E-08	2.5E+00
793	0.06	6.3E-08	8.1E+00	8.6E-03	1.0E-03	7.3E-05	1.6E-01	5.5E-03	6.3E-08	2.5E+00
794	0.07	6.6E-08	8.6E+00	8.6E-03	1.0E-03	7.7E-05	1.6E-01	5.5E-03	6.6E-08	2.4E+00
795	0.07	7.0E-08	9.0E+00	8.6E-03	1.0E-03	8.1E-05	1.6E-01	5.5E-03	7.0E-08	2.4E+00
796	0.07	7.2E-08	9.3E+00	8.6E-03	1.0E-03	8.3E-05	1.6E-01	5.5E-03	7.2E-08	2.3E+00
797	0.07	7.3E-08	9.4E+00	8.6E-03	1.0E-03	8.5E-05	1.6E-01	5.5E-03	7.3E-08	2.3E+00
798	0.07	7.2E-08	9.3E+00	8.6E-03	1.0E-03	8.4E-05	1.6E-01	5.5E-03	7.2E-08	2.2E+00
799	0.07	7.0E-08	9.0E+00	8.6E-03	1.0E-03	8.1E-05	1.6E-01	5.5E-03	7.0E-08	2.1E+00
800	0.07	6.6E-08	8.5E+00	8.6E-03	1.0E-03	7.6E-05	1.6E-01	5.5E-03	6.6E-08	2.0E+00
801	0.06	6.2E-08	8.0E+00	8.6E-03	1.0E-03	7.1E-05	1.6E-01	5.5E-03	6.2E-08	1.9E+00
802	0.06	5.7E-08	7.4E+00	8.6E-03	1.0E-03	6.7E-05	1.6E-01	5.5E-03	5.7E-08	1.9E+00
803	0.05	5.3E-08	6.9E+00	8.6E-03	1.0E-03	6.2E-05	1.6E-01	5.5E-03	5.3E-08	1.8E+00
804	0.05	4.9E-08	6.3E+00	8.6E-03	1.0E-03	5.7E-05	1.6E-01	5.5E-03	4.9E-08	1.7E+00
805	0.04	4.5E-08	5.8E+00	8.6E-03	1.0E-03	5.2E-05	1.6E-01	5.5E-03	4.5E-08	1.6E+00
806	0.04	4.1E-08	5.3E+00	8.6E-03	1.0E-03	4.7E-05	1.6E-01	5.5E-03	4.1E-08	1.6E+00

Franklin School Project

Risk From New Building Demo (Port. 2) - Unmitigated Residential

Haul Route 1A							Haul Route 2A							
g/sec	D1	Dose	R1	ED	Risk	Conc	g/sec	D1	Dose	R1	ED	Risk	Conc	g/sec
1.9E-07	1.0E-03	6.4E-11	1.6E-01	5.5E-03	5.5E-14	3.4E-01	6.0E-07	1.0E-03	2.1E-10	1.6E-01	5.5E-03	1.8E-13	3.4E-01	1.2E-06
1.9E-07	1.0E-03	7.2E-11	1.6E-01	5.5E-03	6.2E-14	3.9E-01	6.0E-07	1.0E-03	2.4E-10	1.6E-01	5.5E-03	2.1E-13	3.9E-01	1.2E-06
1.9E-07	1.0E-03	8.2E-11	1.6E-01	5.5E-03	7.0E-14	4.5E-01	6.0E-07	1.0E-03	2.8E-10	1.6E-01	5.5E-03	2.4E-13	4.5E-01	1.2E-06
1.9E-07	1.0E-03	9.2E-11	1.6E-01	5.5E-03	7.9E-14	5.2E-01	6.0E-07	1.0E-03	3.2E-10	1.6E-01	5.5E-03	2.8E-13	5.2E-01	1.2E-06
1.9E-07	1.0E-03	1.0E-10	1.6E-01	5.5E-03	8.7E-14	5.8E-01	6.0E-07	1.0E-03	3.7E-10	1.6E-01	5.5E-03	3.1E-13	5.8E-01	1.2E-06
1.9E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.5E-14	6.5E-01	6.0E-07	1.0E-03	4.1E-10	1.6E-01	5.5E-03	3.5E-13	6.5E-01	1.2E-06
1.9E-07	1.0E-03	1.2E-10	1.6E-01	5.5E-03	1.0E-13	7.1E-01	6.0E-07	1.0E-03	4.4E-10	1.6E-01	5.5E-03	3.8E-13	7.1E-01	1.2E-06
1.9E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-03	1.1E-13	7.7E-01	6.0E-07	1.0E-03	4.8E-10	1.6E-01	5.5E-03	4.2E-13	7.7E-01	1.2E-06
1.9E-07	1.0E-03	1.4E-10	1.6E-01	5.5E-03	1.2E-13	8.4E-01	6.0E-07	1.0E-03	5.3E-10	1.6E-01	5.5E-03	4.5E-13	8.4E-01	1.2E-06
1.9E-07	1.0E-03	1.5E-10	1.6E-01	5.5E-03	1.3E-13	9.2E-01	6.0E-07	1.0E-03	5.8E-10	1.6E-01	5.5E-03	5.0E-13	9.2E-01	1.2E-06
1.9E-07	1.0E-03	1.6E-10	1.6E-01	5.5E-03	1.4E-13	9.9E-01	6.0E-07	1.0E-03	6.2E-10	1.6E-01	5.5E-03	5.4E-13	9.9E-01	1.2E-06
1.9E-07	1.0E-03	1.7E-10	1.6E-01	5.5E-03	1.4E-13	1.0E+00	6.0E-07	1.0E-03	6.5E-10	1.6E-01	5.5E-03	5.6E-13	1.0E+00	1.2E-06
1.9E-07	1.0E-03	1.7E-10	1.6E-01	5.5E-03	1.5E-13	1.0E+00	6.0E-07	1.0E-03	6.5E-10	1.6E-01	5.5E-03	5.6E-13	1.0E+00	1.2E-06
1.9E-07	1.0E-03	1.7E-10	1.6E-01	5.5E-03	1.4E-13	1.0E+00	6.0E-07	1.0E-03	6.3E-10	1.6E-01	5.5E-03	5.5E-13	1.0E+00	1.2E-06
1.9E-07	1.0E-03	1.6E-10	1.6E-01	5.5E-03	1.4E-13	9.5E-01	6.0E-07	1.0E-03	6.0E-10	1.6E-01	5.5E-03	5.1E-13	9.5E-01	1.2E-06
1.9E-07	1.0E-03	1.5E-10	1.6E-01	5.5E-03	1.3E-13	8.8E-01	6.0E-07	1.0E-03	5.5E-10	1.6E-01	5.5E-03	4.7E-13	8.8E-01	1.2E-06
1.9E-07	1.0E-03	7.5E-11	1.6E-01	5.5E-03	6.4E-14	3.9E-01	6.0E-07	1.0E-03	2.5E-10	1.6E-01	5.5E-03	2.1E-13	3.9E-01	1.2E-06
1.9E-07	1.0E-03	8.7E-11	1.6E-01	5.5E-03	7.5E-14	4.7E-01	6.0E-07	1.0E-03	2.9E-10	1.6E-01	5.5E-03	2.5E-13	4.7E-01	1.2E-06
1.9E-07	1.0E-03	1.0E-10	1.6E-01	5.5E-03	8.7E-14	5.5E-01	6.0E-07	1.0E-03	3.5E-10	1.6E-01	5.5E-03	3.0E-13	5.5E-01	1.2E-06
1.9E-07	1.0E-03	1.2E-10	1.6E-01	5.5E-03	1.0E-13	6.5E-01	6.0E-07	1.0E-03	4.1E-10	1.6E-01	5.5E-03	3.5E-13	6.5E-01	1.2E-06
1.9E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-03	1.1E-13	7.6E-01	6.0E-07	1.0E-03	4.8E-10	1.6E-01	5.5E-03	4.1E-13	7.6E-01	1.2E-06
1.9E-07	1.0E-03	1.4E-10	1.6E-01	5.5E-03	1.2E-13	8.7E-01	6.0E-07	1.0E-03	5.5E-10	1.6E-01	5.5E-03	4.7E-13	8.7E-01	1.2E-06
1.9E-07	1.0E-03	1.6E-10	1.6E-01	5.5E-03	1.4E-13	9.7E-01	6.0E-07	1.0E-03	6.1E-10	1.6E-01	5.5E-03	5.3E-13	9.7E-01	1.2E-06
1.9E-07	1.0E-03	1.7E-10	1.6E-01	5.5E-03	1.5E-13	1.1E+00	6.0E-07	1.0E-03	6.8E-10	1.6E-01	5.5E-03	5.9E-13	1.1E+00	1.2E-06
1.9E-07	1.0E-03	1.9E-10	1.6E-01	5.5E-03	1.6E-13	1.2E+00	6.0E-07	1.0E-03	7.6E-10	1.6E-01	5.5E-03	6.5E-13	1.2E+00	1.2E-06
1.9E-07	1.0E-03	2.1E-10	1.6E-01	5.5E-03	1.8E-13	1.3E+00	6.0E-07	1.0E-03	8.4E-10	1.6E-01	5.5E-03	7.2E-13	1.3E+00	1.2E-06
1.9E-07	1.0E-03	2.2E-10	1.6E-01	5.5E-03	1.9E-13	1.4E+00	6.0E-07	1.0E-03	8.9E-10	1.6E-01	5.5E-03	7.7E-13	1.4E+00	1.2E-06
1.9E-07	1.0E-03	2.2E-10	1.6E-01	5.5E-03	1.9E-13	1.4E+00	6.0E-07	1.0E-03	9.0E-10	1.6E-01	5.5E-03	7.7E-13	1.4E+00	1.2E-06
1.9E-07	1.0E-03	2.2E-10	1.6E-01	5.5E-03	1.9E-13	1.4E+00	6.0E-07	1.0E-03	8.7E-10	1.6E-01	5.5E-03	7.5E-13	1.4E+00	1.2E-06
1.9E-07	1.0E-03	2.1E-10	1.6E-01	5.5E-03	1.8E-13	1.3E+00	6.0E-07	1.0E-03	8.0E-10	1.6E-01	5.5E-03	6.9E-13	1.3E+00	1.2E-06
1.9E-07	1.0E-03	1.9E-10	1.6E-01	5.5E-03	1.6E-13	1.2E+00	6.0E-07	1.0E-03	7.2E-10	1.6E-01	5.5E-03	6.2E-13	1.2E+00	1.2E-06
1.9E-07	1.0E-03	1.7E-10	1.6E-01	5.5E-03	1.5E-13	1.0E+00	6.0E-07	1.0E-03	6.4E-10	1.6E-01	5.5E-03	5.5E-13	1.0E+00	1.2E-06
1.9E-07	1.0E-03	8.8E-11	1.6E-01	5.5E-03	7.5E-14	4.5E-01	6.0E-07	1.0E-03	2.9E-10	1.6E-01	5.5E-03	2.5E-13	4.5E-01	1.2E-06
1.9E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.0E-14	5.6E-01	6.0E-07	1.0E-03	3.5E-10	1.6E-01	5.5E-03	3.0E-13	5.6E-01	1.2E-06
1.9E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-03	1.1E-13	6.9E-01	6.0E-07	1.0E-03	4.3E-10	1.6E-01	5.5E-03	3.7E-13	6.9E-01	1.2E-06
1.9E-07	1.0E-03	1.5E-10	1.6E-01	5.5E-03	1.3E-13	8.5E-01	6.0E-07	1.0E-03	5.3E-10	1.6E-01	5.5E-03	4.6E-13	8.5E-01	1.2E-06
1.9E-07	1.0E-03	1.8E-10	1.6E-01	5.5E-03	1.5E-13	1.0E+00	6.0E-07	1.0E-03	6.5E-10	1.6E-01	5.5E-03	5.6E-13	1.0E+00	1.2E-06
1.9E-07	1.0E-03	2.0E-10	1.6E-01	5.5E-03	1.7E-13	1.2E+00	6.0E-07	1.0E-03	7.8E-10	1.6E-01	5.5E-03	6.7E-13	1.2E+00	1.2E-06
1.9E-07	1.0E-03	2.3E-10	1.6E-01	5.5E-03	1.9E-13	1.4E+00	6.0E-07	1.0E-03	9.0E-10	1.6E-01	5.5E-03	7.8E-13	1.4E+00	1.2E-06
1.9E-07	1.0E-03	2.5E-10	1.6E-01	5.5E-03	2.2E-13	1.6E+00	6.0E-07	1.0E-03	1.0E-09	1.6E-01	5.5E-03	8.9E-13	1.6E+00	1.2E-06
1.9E-07	1.0E-03	2.8E-10	1.6E-01	5.5E-03	2.4E-13	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.0E-12	1.9E+00	1.2E-06
1.9E-07	1.0E-03	3.1E-10	1.6E-01	5.5E-03	2.6E-13	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12	2.1E+00	1.2E-06
1.9E-07	1.0E-03	3.1E-10	1.6E-01	5.5E-03	2.7E-13	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12	2.1E+00	1.2E-06

1.9E-07	1.0E-03	3.1E-10	1.6E-01	5.5E-03	2.6E-13	2.0E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12	2.0E+00	1.2E-06
1.9E-07	1.0E-03	2.8E-10	1.6E-01	5.5E-03	2.4E-13	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.7E-13	1.8E+00	1.2E-06
1.9E-07	1.0E-03	2.5E-10	1.6E-01	5.5E-03	2.2E-13	1.6E+00	6.0E-07	1.0E-03	9.9E-10	1.6E-01	5.5E-03	8.5E-13	1.6E+00	1.2E-06
1.9E-07	1.0E-03	2.2E-10	1.6E-01	5.5E-03	1.9E-13	1.3E+00	6.0E-07	1.0E-03	8.4E-10	1.6E-01	5.5E-03	7.3E-13	1.3E+00	1.2E-06
1.9E-07	1.0E-03	1.9E-10	1.6E-01	5.5E-03	1.7E-13	1.1E+00	6.0E-07	1.0E-03	7.1E-10	1.6E-01	5.5E-03	6.2E-13	1.1E+00	1.2E-06
1.9E-07	1.0E-03	1.0E-10	1.6E-01	5.5E-03	8.9E-14	5.2E-01	6.0E-07	1.0E-03	3.3E-10	1.6E-01	5.5E-03	2.8E-13	5.2E-01	1.2E-06
1.9E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-03	1.1E-13	6.6E-01	6.0E-07	1.0E-03	4.2E-10	1.6E-01	5.5E-03	3.6E-13	6.6E-01	1.2E-06
1.9E-07	1.0E-03	1.6E-10	1.6E-01	5.5E-03	1.4E-13	8.6E-01	6.0E-07	1.0E-03	5.4E-10	1.6E-01	5.5E-03	4.6E-13	8.6E-01	1.2E-06
1.9E-07	1.0E-03	2.0E-10	1.6E-01	5.5E-03	1.7E-13	1.1E+00	6.0E-07	1.0E-03	7.1E-10	1.6E-01	5.5E-03	6.1E-13	1.1E+00	1.2E-06
1.9E-07	1.0E-03	2.5E-10	1.6E-01	5.5E-03	2.1E-13	1.5E+00	6.0E-07	1.0E-03	9.3E-10	1.6E-01	5.5E-03	8.0E-13	1.5E+00	1.2E-06
1.9E-07	1.0E-03	3.0E-10	1.6E-01	5.5E-03	2.6E-13	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.0E-12	1.9E+00	1.2E-06
1.9E-07	1.0E-03	3.5E-10	1.6E-01	5.5E-03	3.0E-13	2.3E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12	2.3E+00	1.2E-06
1.9E-07	1.0E-03	4.0E-10	1.6E-01	5.5E-03	3.4E-13	2.8E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	5.5E-03	1.5E-12	2.8E+00	1.2E-06
1.9E-07	1.0E-03	4.5E-10	1.6E-01	5.5E-03	3.9E-13	3.2E+00	6.0E-07	1.0E-03	2.0E-09	1.6E-01	5.5E-03	1.7E-12	3.2E+00	1.2E-06
1.9E-07	1.0E-03	4.7E-10	1.6E-01	5.5E-03	4.1E-13	3.4E+00	6.0E-07	1.0E-03	2.1E-09	1.6E-01	5.5E-03	1.8E-12	3.4E+00	1.2E-06
1.9E-07	1.0E-03	4.5E-10	1.6E-01	5.5E-03	3.9E-13	3.1E+00	6.0E-07	1.0E-03	2.0E-09	1.6E-01	5.5E-03	1.7E-12	3.1E+00	1.2E-06
1.9E-07	1.0E-03	4.1E-10	1.6E-01	5.5E-03	3.5E-13	2.7E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	5.5E-03	1.5E-12	2.7E+00	1.2E-06
1.9E-07	1.0E-03	3.5E-10	1.6E-01	5.5E-03	3.1E-13	2.3E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12	2.3E+00	1.2E-06
1.9E-07	1.0E-03	3.0E-10	1.6E-01	5.5E-03	2.6E-13	1.8E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	9.9E-13	1.8E+00	1.2E-06
1.9E-07	1.0E-03	2.5E-10	1.6E-01	5.5E-03	2.2E-13	1.5E+00	6.0E-07	1.0E-03	9.4E-10	1.6E-01	5.5E-03	8.1E-13	1.5E+00	1.2E-06
1.9E-07	1.0E-03	2.1E-10	1.6E-01	5.5E-03	1.8E-13	1.2E+00	6.0E-07	1.0E-03	7.6E-10	1.6E-01	5.5E-03	6.6E-13	1.2E+00	1.2E-06
1.9E-07	1.0E-03	1.2E-10	1.6E-01	5.5E-03	1.0E-13	5.9E-01	6.0E-07	1.0E-03	3.7E-10	1.6E-01	5.5E-03	3.2E-13	5.9E-01	1.2E-06
1.9E-07	1.0E-03	1.5E-10	1.6E-01	5.5E-03	1.3E-13	7.8E-01	6.0E-07	1.0E-03	4.9E-10	1.6E-01	5.5E-03	4.2E-13	7.8E-01	1.2E-06
1.9E-07	1.0E-03	2.1E-10	1.6E-01	5.5E-03	1.8E-13	1.1E+00	6.0E-07	1.0E-03	6.7E-10	1.6E-01	5.5E-03	5.8E-13	1.1E+00	1.2E-06
1.9E-07	1.0E-03	2.8E-10	1.6E-01	5.5E-03	2.4E-13	1.5E+00	6.0E-07	1.0E-03	9.6E-10	1.6E-01	5.5E-03	8.2E-13	1.5E+00	1.2E-06
1.9E-07	1.0E-03	3.8E-10	1.6E-01	5.5E-03	3.2E-13	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12	2.2E+00	1.2E-06
1.9E-07	1.0E-03	4.9E-10	1.6E-01	5.5E-03	4.2E-13	3.3E+00	6.0E-07	1.0E-03	2.1E-09	1.6E-01	5.5E-03	1.8E-12	3.3E+00	1.2E-06
1.9E-07	1.0E-03	6.1E-10	1.6E-01	5.5E-03	5.2E-13	4.5E+00	6.0E-07	1.0E-03	2.8E-09	1.6E-01	5.5E-03	2.4E-12	4.5E+00	1.2E-06
1.9E-07	1.0E-03	7.3E-10	1.6E-01	5.5E-03	6.2E-13	5.6E+00	6.0E-07	1.0E-03	3.5E-09	1.6E-01	5.5E-03	3.0E-12	5.6E+00	1.2E-06
1.9E-07	1.0E-03	7.8E-10	1.6E-01	5.5E-03	6.8E-13	6.2E+00	6.0E-07	1.0E-03	3.9E-09	1.6E-01	5.5E-03	3.3E-12	6.2E+00	1.2E-06
1.9E-07	1.0E-03	7.4E-10	1.6E-01	5.5E-03	6.4E-13	5.6E+00	6.0E-07	1.0E-03	3.5E-09	1.6E-01	5.5E-03	3.0E-12	5.6E+00	1.2E-06
1.9E-07	1.0E-03	6.4E-10	1.6E-01	5.5E-03	5.5E-13	4.5E+00	6.0E-07	1.0E-03	2.8E-09	1.6E-01	5.5E-03	2.4E-12	4.5E+00	1.2E-06
1.9E-07	1.0E-03	5.2E-10	1.6E-01	5.5E-03	4.5E-13	3.4E+00	6.0E-07	1.0E-03	2.2E-09	1.6E-01	5.5E-03	1.9E-12	3.4E+00	1.2E-06
1.9E-07	1.0E-03	4.2E-10	1.6E-01	5.5E-03	3.6E-13	2.6E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	5.5E-03	1.4E-12	2.6E+00	1.2E-06
1.9E-07	1.0E-03	3.4E-10	1.6E-01	5.5E-03	2.9E-13	2.0E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12	2.0E+00	1.2E-06
1.9E-07	1.0E-03	2.7E-10	1.6E-01	5.5E-03	2.3E-13	1.5E+00	6.0E-07	1.0E-03	9.7E-10	1.6E-01	5.5E-03	8.4E-13	1.5E+00	1.2E-06
1.9E-07	1.0E-03	2.2E-10	1.6E-01	5.5E-03	1.9E-13	1.2E+00	6.0E-07	1.0E-03	7.7E-10	1.6E-01	5.5E-03	6.6E-13	1.2E+00	1.2E-06
1.9E-07	1.0E-03	1.4E-10	1.6E-01	5.5E-03	1.2E-13	6.5E-01	6.0E-07	1.0E-03	4.1E-10	1.6E-01	5.5E-03	3.5E-13	6.5E-01	1.2E-06
1.9E-07	1.0E-03	1.8E-10	1.6E-01	5.5E-03	1.6E-13	8.8E-01	6.0E-07	1.0E-03	5.5E-10	1.6E-01	5.5E-03	4.8E-13	8.8E-01	1.2E-06
1.9E-07	1.0E-03	2.6E-10	1.6E-01	5.5E-03	2.3E-13	1.3E+00	6.0E-07	1.0E-03	8.1E-10	1.6E-01	5.5E-03	6.9E-13	1.3E+00	1.2E-06
1.9E-07	1.0E-03	3.9E-10	1.6E-01	5.5E-03	3.4E-13	2.0E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12	2.0E+00	1.2E-06
1.9E-07	1.0E-03	6.1E-10	1.6E-01	5.5E-03	5.3E-13	3.5E+00	6.0E-07	1.0E-03	2.2E-09	1.6E-01	5.5E-03	1.9E-12	3.5E+00	1.2E-06
1.9E-07	1.0E-03	9.5E-10	1.6E-01	5.5E-03	8.1E-13	6.5E+00	6.0E-07	1.0E-03	4.1E-09	1.6E-01	5.5E-03	3.5E-12	6.5E+00	1.2E-06
1.9E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12	1.1E+01	6.0E-07	1.0E-03	7.1E-09	1.6E-01	5.5E-03	6.1E-12	1.1E+01	1.2E-06
1.9E-07	1.0E-03	1.6E-09	1.6E-01	5.5E-03	1.4E-12	1.5E+01	6.0E-07	1.0E-03	9.4E-09	1.6E-01	5.5E-03	8.1E-12	1.5E+01	1.2E-06
1.9E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12	1.3E+01	6.0E-07	1.0E-03	8.1E-09	1.6E-01	5.5E-03	7.0E-12	1.3E+01	1.2E-06
1.9E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.6E-13	8.7E+00	6.0E-07	1.0E-03	5.5E-09	1.6E-01	5.5E-03	4.7E-12	8.7E+00	1.2E-06
1.9E-07	1.0E-03	8.3E-10	1.6E-01	5.5E-03	7.1E-13	5.7E+00	6.0E-07	1.0E-03	3.6E-09	1.6E-01	5.5E-03	3.1E-12	5.7E+00	1.2E-06
1.9E-07	1.0E-03	6.1E-10	1.6E-01	5.5E-03	5.3E-13	3.9E+00	6.0E-07	1.0E-03	2.4E-09	1.6E-01	5.5E-03	2.1E-12	3.9E+00	1.2E-06

1.9E-07	1.0E-03	4.6E-10	1.6E-01	5.5E-03	3.9E-13	2.7E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	5.5E-03	1.5E-12	2.7E+00	1.2E-06
1.9E-07	1.0E-03	3.5E-10	1.6E-01	5.5E-03	3.0E-13	2.0E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.1E-12	2.0E+00	1.2E-06
1.9E-07	1.0E-03	2.7E-10	1.6E-01	5.5E-03	2.3E-13	1.5E+00	6.0E-07	1.0E-03	9.4E-10	1.6E-01	5.5E-03	8.1E-13	1.5E+00	1.2E-06
1.9E-07	1.0E-03	2.1E-10	1.6E-01	5.5E-03	1.8E-13	1.2E+00	6.0E-07	1.0E-03	7.2E-10	1.6E-01	5.5E-03	6.2E-13	1.2E+00	1.2E-06
1.9E-07	1.0E-03	1.5E-10	1.6E-01	5.5E-03	1.3E-13	6.8E-01	6.0E-07	1.0E-03	4.3E-10	1.6E-01	5.5E-03	3.7E-13	6.8E-01	1.2E-06
1.9E-07	1.0E-03	2.1E-10	1.6E-01	5.5E-03	1.8E-13	9.5E-01	6.0E-07	1.0E-03	5.9E-10	1.6E-01	5.5E-03	5.1E-13	9.5E-01	1.2E-06
1.9E-07	1.0E-03	3.2E-10	1.6E-01	5.5E-03	2.8E-13	1.4E+00	6.0E-07	1.0E-03	9.1E-10	1.6E-01	5.5E-03	7.8E-13	1.4E+00	1.2E-06
1.9E-07	1.0E-03	5.4E-10	1.6E-01	5.5E-03	4.6E-13	2.5E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12	2.5E+00	1.2E-06
1.9E-07	1.0E-03	1.0E-09	1.6E-01	5.5E-03	8.9E-13	5.0E+00	6.0E-07	1.0E-03	3.1E-09	1.6E-01	5.5E-03	2.7E-12	5.0E+00	1.2E-06
1.9E-07	1.0E-03	2.3E-09	1.6E-01	5.5E-03	2.0E-12	1.4E+01	6.0E-07	1.0E-03	8.9E-09	1.6E-01	5.5E-03	7.7E-12	1.4E+01	1.2E-06
1.9E-07	1.0E-03	4.7E-09	1.6E-01	5.5E-03	4.0E-12	5.4E+01	6.0E-07	1.0E-03	3.4E-08	1.6E-01	5.5E-03	2.9E-11	5.4E+01	1.2E-06
1.9E-07	1.0E-03	4.0E-09	1.6E-01	5.5E-03	3.4E-12	6.1E+01	6.0E-07	1.0E-03	3.8E-08	1.6E-01	5.5E-03	3.3E-11	6.1E+01	1.2E-06
1.9E-07	1.0E-03	2.4E-09	1.6E-01	5.5E-03	2.1E-12	2.4E+01	6.0E-07	1.0E-03	1.5E-08	1.6E-01	5.5E-03	1.3E-11	2.4E+01	1.2E-06
1.9E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12	1.1E+01	6.0E-07	1.0E-03	6.9E-09	1.6E-01	5.5E-03	5.9E-12	1.1E+01	1.2E-06
1.9E-07	1.0E-03	9.4E-10	1.6E-01	5.5E-03	8.1E-13	6.0E+00	6.0E-07	1.0E-03	3.8E-09	1.6E-01	5.5E-03	3.3E-12	6.0E+00	1.2E-06
1.9E-07	1.0E-03	6.4E-10	1.6E-01	5.5E-03	5.5E-13	3.8E+00	6.0E-07	1.0E-03	2.4E-09	1.6E-01	5.5E-03	2.0E-12	3.8E+00	1.2E-06
1.9E-07	1.0E-03	4.5E-10	1.6E-01	5.5E-03	3.9E-13	2.5E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	5.5E-03	1.4E-12	2.5E+00	1.2E-06
1.9E-07	1.0E-03	3.3E-10	1.6E-01	5.5E-03	2.9E-13	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.8E-13	1.8E+00	1.2E-06
1.9E-07	1.0E-03	2.6E-10	1.6E-01	5.5E-03	2.2E-13	1.3E+00	6.0E-07	1.0E-03	8.4E-10	1.6E-01	5.5E-03	7.3E-13	1.3E+00	1.2E-06
1.9E-07	1.0E-03	2.0E-10	1.6E-01	5.5E-03	1.7E-13	1.0E+00	6.0E-07	1.0E-03	6.5E-10	1.6E-01	5.5E-03	5.6E-13	1.0E+00	1.2E-06
1.9E-07	1.0E-03	1.6E-10	1.6E-01	5.5E-03	1.3E-13	6.9E-01	6.0E-07	1.0E-03	4.3E-10	1.6E-01	5.5E-03	3.7E-13	6.9E-01	1.2E-06
1.9E-07	1.0E-03	2.3E-10	1.6E-01	5.5E-03	2.0E-13	9.7E-01	6.0E-07	1.0E-03	6.1E-10	1.6E-01	5.5E-03	5.2E-13	9.7E-01	1.2E-06
1.9E-07	1.0E-03	3.6E-10	1.6E-01	5.5E-03	3.1E-13	1.5E+00	6.0E-07	1.0E-03	9.3E-10	1.6E-01	5.5E-03	8.0E-13	1.5E+00	1.2E-06
1.9E-07	1.0E-03	6.5E-10	1.6E-01	5.5E-03	5.6E-13	2.6E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	5.5E-03	1.4E-12	2.6E+00	1.2E-06
1.9E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12	5.5E+00	6.0E-07	1.0E-03	3.4E-09	1.6E-01	5.5E-03	3.0E-12	5.5E+00	1.2E-06
1.9E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12	9.6E+00	6.0E-07	1.0E-03	6.0E-09	1.6E-01	5.5E-03	5.2E-12	9.6E+00	1.2E-06
1.9E-07	1.0E-03	9.0E-10	1.6E-01	5.5E-03	7.8E-13	5.1E+00	6.0E-07	1.0E-03	3.2E-09	1.6E-01	5.5E-03	2.8E-12	5.1E+00	1.2E-06
1.9E-07	1.0E-03	5.9E-10	1.6E-01	5.5E-03	5.1E-13	3.2E+00	6.0E-07	1.0E-03	2.0E-09	1.6E-01	5.5E-03	1.7E-12	3.2E+00	1.2E-06
1.9E-07	1.0E-03	4.1E-10	1.6E-01	5.5E-03	3.5E-13	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.2E-12	2.1E+00	1.2E-06
1.9E-07	1.0E-03	3.0E-10	1.6E-01	5.5E-03	2.6E-13	1.5E+00	6.0E-07	1.0E-03	9.7E-10	1.6E-01	5.5E-03	8.3E-13	1.5E+00	1.2E-06
1.9E-07	1.0E-03	2.3E-10	1.6E-01	5.5E-03	2.0E-13	1.2E+00	6.0E-07	1.0E-03	7.3E-10	1.6E-01	5.5E-03	6.3E-13	1.2E+00	1.2E-06
1.9E-07	1.0E-03	1.8E-10	1.6E-01	5.5E-03	1.5E-13	9.0E-01	6.0E-07	1.0E-03	5.7E-10	1.6E-01	5.5E-03	4.9E-13	9.0E-01	1.2E-06
1.9E-07	1.0E-03	1.6E-10	1.6E-01	5.5E-03	1.3E-13	6.6E-01	6.0E-07	1.0E-03	4.1E-10	1.6E-01	5.5E-03	3.6E-13	6.6E-01	1.2E-06
1.9E-07	1.0E-03	2.3E-10	1.6E-01	5.5E-03	1.9E-13	9.1E-01	6.0E-07	1.0E-03	5.7E-10	1.6E-01	5.5E-03	4.9E-13	9.1E-01	1.2E-06
1.9E-07	1.0E-03	3.6E-10	1.6E-01	5.5E-03	3.1E-13	1.4E+00	6.0E-07	1.0E-03	8.5E-10	1.6E-01	5.5E-03	7.3E-13	1.4E+00	1.2E-06
1.9E-07	1.0E-03	6.5E-10	1.6E-01	5.5E-03	5.6E-13	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12	2.2E+00	1.2E-06
1.9E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12	4.1E+00	6.0E-07	1.0E-03	2.6E-09	1.6E-01	5.5E-03	2.2E-12	4.1E+00	1.2E-06
1.9E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12	6.4E+00	6.0E-07	1.0E-03	4.0E-09	1.6E-01	5.5E-03	3.5E-12	6.4E+00	1.2E-06
1.9E-07	1.0E-03	7.4E-10	1.6E-01	5.5E-03	6.4E-13	3.9E+00	6.0E-07	1.0E-03	2.4E-09	1.6E-01	5.5E-03	2.1E-12	3.9E+00	1.2E-06
1.9E-07	1.0E-03	4.8E-10	1.6E-01	5.5E-03	4.2E-13	2.5E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	5.5E-03	1.3E-12	2.5E+00	1.2E-06
1.9E-07	1.0E-03	3.5E-10	1.6E-01	5.5E-03	3.0E-13	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.6E-13	1.8E+00	1.2E-06
1.9E-07	1.0E-03	2.6E-10	1.6E-01	5.5E-03	2.2E-13	1.3E+00	6.0E-07	1.0E-03	8.2E-10	1.6E-01	5.5E-03	7.0E-13	1.3E+00	1.2E-06
1.9E-07	1.0E-03	2.0E-10	1.6E-01	5.5E-03	1.7E-13	9.9E-01	6.0E-07	1.0E-03	6.2E-10	1.6E-01	5.5E-03	5.4E-13	9.9E-01	1.2E-06
1.9E-07	1.0E-03	1.6E-10	1.6E-01	5.5E-03	1.3E-13	7.8E-01	6.0E-07	1.0E-03	4.9E-10	1.6E-01	5.5E-03	4.2E-13	7.8E-01	1.2E-06
1.9E-07	1.0E-03	1.5E-10	1.6E-01	5.5E-03	1.3E-13	6.1E-01	6.0E-07	1.0E-03	3.8E-10	1.6E-01	5.5E-03	3.3E-13	6.1E-01	1.2E-06
1.9E-07	1.0E-03	2.1E-10	1.6E-01	5.5E-03	1.8E-13	8.2E-01	6.0E-07	1.0E-03	5.1E-10	1.6E-01	5.5E-03	4.4E-13	8.2E-01	1.2E-06
1.9E-07	1.0E-03	3.1E-10	1.6E-01	5.5E-03	2.7E-13	1.1E+00	6.0E-07	1.0E-03	7.2E-10	1.6E-01	5.5E-03	6.2E-13	1.1E+00	1.2E-06
1.9E-07	1.0E-03	5.3E-10	1.6E-01	5.5E-03	4.6E-13	1.7E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.4E-13	1.7E+00	1.2E-06
1.9E-07	1.0E-03	9.8E-10	1.6E-01	5.5E-03	8.5E-13	2.7E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	5.5E-03	1.5E-12	2.7E+00	1.2E-06

1.9E-07	1.0E-03	8.9E-10	1.6E-01	5.5E-03	7.6E-13	4.2E+00	6.0E-07	1.0E-03	2.6E-09	1.6E-01	5.5E-03	2.3E-12	4.2E+00	1.2E-06
1.9E-07	1.0E-03	5.7E-10	1.6E-01	5.5E-03	4.9E-13	2.8E+00	6.0E-07	1.0E-03	1.8E-09	1.6E-01	5.5E-03	1.5E-12	2.8E+00	1.2E-06
1.9E-07	1.0E-03	3.9E-10	1.6E-01	5.5E-03	3.4E-13	2.0E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12	2.0E+00	1.2E-06
1.9E-07	1.0E-03	2.9E-10	1.6E-01	5.5E-03	2.5E-13	1.5E+00	6.0E-07	1.0E-03	9.3E-10	1.6E-01	5.5E-03	8.0E-13	1.5E+00	1.2E-06
1.9E-07	1.0E-03	2.2E-10	1.6E-01	5.5E-03	1.9E-13	1.1E+00	6.0E-07	1.0E-03	7.0E-10	1.6E-01	5.5E-03	6.0E-13	1.1E+00	1.2E-06
1.9E-07	1.0E-03	1.7E-10	1.6E-01	5.5E-03	1.5E-13	8.7E-01	6.0E-07	1.0E-03	5.4E-10	1.6E-01	5.5E-03	4.7E-13	8.7E-01	1.2E-06
1.9E-07	1.0E-03	1.4E-10	1.6E-01	5.5E-03	1.2E-13	6.9E-01	6.0E-07	1.0E-03	4.3E-10	1.6E-01	5.5E-03	3.7E-13	6.9E-01	1.2E-06
1.9E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-03	1.2E-13	5.4E-01	6.0E-07	1.0E-03	3.4E-10	1.6E-01	5.5E-03	2.9E-13	5.4E-01	1.2E-06
1.9E-07	1.0E-03	1.8E-10	1.6E-01	5.5E-03	1.5E-13	7.0E-01	6.0E-07	1.0E-03	4.4E-10	1.6E-01	5.5E-03	3.8E-13	7.0E-01	1.2E-06
1.9E-07	1.0E-03	2.6E-10	1.6E-01	5.5E-03	2.2E-13	9.4E-01	6.0E-07	1.0E-03	5.9E-10	1.6E-01	5.5E-03	5.1E-13	9.4E-01	1.2E-06
1.9E-07	1.0E-03	3.9E-10	1.6E-01	5.5E-03	3.4E-13	1.3E+00	6.0E-07	1.0E-03	8.2E-10	1.6E-01	5.5E-03	7.0E-13	1.3E+00	1.2E-06
1.9E-07	1.0E-03	6.2E-10	1.6E-01	5.5E-03	5.4E-13	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.0E-12	1.9E+00	1.2E-06
1.9E-07	1.0E-03	6.6E-10	1.6E-01	5.5E-03	5.7E-13	3.0E+00	6.0E-07	1.0E-03	1.9E-09	1.6E-01	5.5E-03	1.6E-12	3.0E+00	1.2E-06
1.9E-07	1.0E-03	4.5E-10	1.6E-01	5.5E-03	3.9E-13	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12	2.2E+00	1.2E-06
1.9E-07	1.0E-03	3.2E-10	1.6E-01	5.5E-03	2.8E-13	1.6E+00	6.0E-07	1.0E-03	1.0E-09	1.6E-01	5.5E-03	8.8E-13	1.6E+00	1.2E-06
1.9E-07	1.0E-03	2.5E-10	1.6E-01	5.5E-03	2.1E-13	1.3E+00	6.0E-07	1.0E-03	8.0E-10	1.6E-01	5.5E-03	6.9E-13	1.3E+00	1.2E-06
1.9E-07	1.0E-03	1.9E-10	1.6E-01	5.5E-03	1.6E-13	9.8E-01	6.0E-07	1.0E-03	6.2E-10	1.6E-01	5.5E-03	5.3E-13	9.8E-01	1.2E-06
1.9E-07	1.0E-03	1.5E-10	1.6E-01	5.5E-03	1.3E-13	7.8E-01	6.0E-07	1.0E-03	4.9E-10	1.6E-01	5.5E-03	4.2E-13	7.8E-01	1.2E-06
1.9E-07	1.0E-03	1.2E-10	1.6E-01	5.5E-03	1.0E-13	6.3E-01	6.0E-07	1.0E-03	3.9E-10	1.6E-01	5.5E-03	3.4E-13	6.3E-01	1.2E-06
1.9E-07	1.0E-03	1.2E-10	1.6E-01	5.5E-03	1.0E-13	4.7E-01	6.0E-07	1.0E-03	3.0E-10	1.6E-01	5.5E-03	2.6E-13	4.7E-01	1.2E-06
1.9E-07	1.0E-03	1.5E-10	1.6E-01	5.5E-03	1.3E-13	5.9E-01	6.0E-07	1.0E-03	3.7E-10	1.6E-01	5.5E-03	3.2E-13	5.9E-01	1.2E-06
1.9E-07	1.0E-03	2.0E-10	1.6E-01	5.5E-03	1.7E-13	7.6E-01	6.0E-07	1.0E-03	4.8E-10	1.6E-01	5.5E-03	4.1E-13	7.6E-01	1.2E-06
1.9E-07	1.0E-03	2.8E-10	1.6E-01	5.5E-03	2.4E-13	1.0E+00	6.0E-07	1.0E-03	6.3E-10	1.6E-01	5.5E-03	5.4E-13	1.0E+00	1.2E-06
1.9E-07	1.0E-03	4.2E-10	1.6E-01	5.5E-03	3.6E-13	1.4E+00	6.0E-07	1.0E-03	8.6E-10	1.6E-01	5.5E-03	7.4E-13	1.4E+00	1.2E-06
1.9E-07	1.0E-03	5.8E-10	1.6E-01	5.5E-03	5.0E-13	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.8E-13	1.8E+00	1.2E-06
1.9E-07	1.0E-03	7.1E-10	1.6E-01	5.5E-03	6.1E-13	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12	2.2E+00	1.2E-06
1.9E-07	1.0E-03	7.2E-10	1.6E-01	5.5E-03	6.2E-13	2.5E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	5.5E-03	1.3E-12	2.5E+00	1.2E-06
1.9E-07	1.0E-03	6.3E-10	1.6E-01	5.5E-03	5.4E-13	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12	2.4E+00	1.2E-06
1.9E-07	1.0E-03	4.9E-10	1.6E-01	5.5E-03	4.2E-13	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12	2.1E+00	1.2E-06
1.9E-07	1.0E-03	3.7E-10	1.6E-01	5.5E-03	3.2E-13	1.7E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.4E-13	1.7E+00	1.2E-06
1.9E-07	1.0E-03	2.7E-10	1.6E-01	5.5E-03	2.3E-13	1.3E+00	6.0E-07	1.0E-03	8.3E-10	1.6E-01	5.5E-03	7.2E-13	1.3E+00	1.2E-06
1.9E-07	1.0E-03	2.1E-10	1.6E-01	5.5E-03	1.8E-13	1.1E+00	6.0E-07	1.0E-03	6.6E-10	1.6E-01	5.5E-03	5.7E-13	1.1E+00	1.2E-06
1.9E-07	1.0E-03	1.7E-10	1.6E-01	5.5E-03	1.5E-13	8.7E-01	6.0E-07	1.0E-03	5.5E-10	1.6E-01	5.5E-03	4.7E-13	8.7E-01	1.2E-06
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1.9E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.6E-14	5.7E-01	6.0E-07	1.0E-03	3.6E-10	1.6E-01	5.5E-03	3.1E-13	5.7E-01	1.2E-06
1.9E-07	1.0E-03	1.0E-10	1.6E-01	5.5E-03	8.7E-14	4.1E-01	6.0E-07	1.0E-03	2.6E-10	1.6E-01	5.5E-03	2.2E-13	4.1E-01	1.2E-06
1.9E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-03	1.1E-13	5.0E-01	6.0E-07	1.0E-03	3.2E-10	1.6E-01	5.5E-03	2.7E-13	5.0E-01	1.2E-06
1.9E-07	1.0E-03	1.6E-10	1.6E-01	5.5E-03	1.4E-13	6.2E-01	6.0E-07	1.0E-03	3.9E-10	1.6E-01	5.5E-03	3.4E-13	6.2E-01	1.2E-06
1.9E-07	1.0E-03	2.2E-10	1.6E-01	5.5E-03	1.9E-13	8.0E-01	6.0E-07	1.0E-03	5.0E-10	1.6E-01	5.5E-03	4.3E-13	8.0E-01	1.2E-06
1.9E-07	1.0E-03	2.9E-10	1.6E-01	5.5E-03	2.5E-13	1.0E+00	6.0E-07	1.0E-03	6.5E-10	1.6E-01	5.5E-03	5.6E-13	1.0E+00	1.2E-06
1.9E-07	1.0E-03	3.7E-10	1.6E-01	5.5E-03	3.2E-13	1.3E+00	6.0E-07	1.0E-03	8.1E-10	1.6E-01	5.5E-03	6.9E-13	1.3E+00	1.2E-06
1.9E-07	1.0E-03	4.4E-10	1.6E-01	5.5E-03	3.8E-13	1.5E+00	6.0E-07	1.0E-03	9.5E-10	1.6E-01	5.5E-03	8.2E-13	1.5E+00	1.2E-06
1.9E-07	1.0E-03	4.6E-10	1.6E-01	5.5E-03	4.0E-13	1.7E+00	6.0E-07	1.0E-03	1.0E-09	1.6E-01	5.5E-03	9.0E-13	1.7E+00	1.2E-06
1.9E-07	1.0E-03	4.3E-10	1.6E-01	5.5E-03	3.7E-13	1.7E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.1E-13	1.7E+00	1.2E-06
1.9E-07	1.0E-03	3.6E-10	1.6E-01	5.5E-03	3.1E-13	1.6E+00	6.0E-07	1.0E-03	9.7E-10	1.6E-01	5.5E-03	8.4E-13	1.6E+00	1.2E-06
1.9E-07	1.0E-03	3.0E-10	1.6E-01	5.5E-03	2.6E-13	1.4E+00	6.0E-07	1.0E-03	8.5E-10	1.6E-01	5.5E-03	7.3E-13	1.4E+00	1.2E-06
1.9E-07	1.0E-03	2.4E-10	1.6E-01	5.5E-03	2.0E-13	1.1E+00	6.0E-07	1.0E-03	7.1E-10	1.6E-01	5.5E-03	6.1E-13	1.1E+00	1.2E-06
1.9E-07	1.0E-03	1.8E-10	1.6E-01	5.5E-03	1.5E-13	9.0E-01	6.0E-07	1.0E-03	5.6E-10	1.6E-01	5.5E-03	4.8E-13	9.0E-01	1.2E-06
1.9E-07	1.0E-03	1.5E-10	1.6E-01	5.5E-03	1.3E-13	7.7E-01	6.0E-07	1.0E-03	4.8E-10	1.6E-01	5.5E-03	4.1E-13	7.7E-01	1.2E-06

1.9E-07	1.0E-03	1.2E-10	1.6E-01	5.5E-03	1.1E-13	6.4E-01	6.0E-07	1.0E-03	4.0E-10	1.6E-01	5.5E-03	3.5E-13	6.4E-01	1.2E-06
1.9E-07	1.0E-03	1.0E-10	1.6E-01	5.5E-03	8.8E-14	5.3E-01	6.0E-07	1.0E-03	3.3E-10	1.6E-01	5.5E-03	2.9E-13	5.3E-01	1.2E-06
1.9E-07	1.0E-03	8.7E-11	1.6E-01	5.5E-03	7.5E-14	3.6E-01	6.0E-07	1.0E-03	2.3E-10	1.6E-01	5.5E-03	2.0E-13	3.6E-01	1.2E-06
1.9E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.2E-14	4.3E-01	6.0E-07	1.0E-03	2.7E-10	1.6E-01	5.5E-03	2.3E-13	4.3E-01	1.2E-06
1.9E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-03	1.2E-13	5.3E-01	6.0E-07	1.0E-03	3.3E-10	1.6E-01	5.5E-03	2.8E-13	5.3E-01	1.2E-06
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1.9E-07	1.0E-03	2.6E-10	1.6E-01	5.5E-03	2.2E-13	9.6E-01	6.0E-07	1.0E-03	6.0E-10	1.6E-01	5.5E-03	5.2E-13	9.6E-01	1.2E-06
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1.9E-07	1.0E-03	3.1E-10	1.6E-01	5.5E-03	2.7E-13	1.2E+00	6.0E-07	1.0E-03	7.5E-10	1.6E-01	5.5E-03	6.5E-13	1.2E+00	1.2E-06
1.9E-07	1.0E-03	3.1E-10	1.6E-01	5.5E-03	2.6E-13	1.2E+00	6.0E-07	1.0E-03	7.6E-10	1.6E-01	5.5E-03	6.6E-13	1.2E+00	1.2E-06
1.9E-07	1.0E-03	2.7E-10	1.6E-01	5.5E-03	2.3E-13	1.2E+00	6.0E-07	1.0E-03	7.3E-10	1.6E-01	5.5E-03	6.2E-13	1.2E+00	1.2E-06
1.9E-07	1.0E-03	2.3E-10	1.6E-01	5.5E-03	2.0E-13	1.0E+00	6.0E-07	1.0E-03	6.4E-10	1.6E-01	5.5E-03	5.5E-13	1.0E+00	1.2E-06
1.9E-07	1.0E-03	1.9E-10	1.6E-01	5.5E-03	1.7E-13	9.0E-01	6.0E-07	1.0E-03	5.7E-10	1.6E-01	5.5E-03	4.9E-13	9.0E-01	1.2E-06
1.9E-07	1.0E-03	1.6E-10	1.6E-01	5.5E-03	1.4E-13	7.8E-01	6.0E-07	1.0E-03	4.9E-10	1.6E-01	5.5E-03	4.2E-13	7.8E-01	1.2E-06
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1.9E-07	1.0E-03	9.1E-11	1.6E-01	5.5E-03	7.9E-14	3.7E-01	6.0E-07	1.0E-03	2.4E-10	1.6E-01	5.5E-03	2.0E-13	3.7E-01	1.2E-06
1.9E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.6E-14	4.5E-01	6.0E-07	1.0E-03	2.8E-10	1.6E-01	5.5E-03	2.4E-13	4.5E-01	1.2E-06
1.9E-07	1.0E-03	1.4E-10	1.6E-01	5.5E-03	1.2E-13	5.3E-01	6.0E-07	1.0E-03	3.4E-10	1.6E-01	5.5E-03	2.9E-13	5.3E-01	1.2E-06
1.9E-07	1.0E-03	1.6E-10	1.6E-01	5.5E-03	1.4E-13	6.4E-01	6.0E-07	1.0E-03	4.0E-10	1.6E-01	5.5E-03	3.4E-13	6.4E-01	1.2E-06
1.9E-07	1.0E-03	1.9E-10	1.6E-01	5.5E-03	1.7E-13	7.4E-01	6.0E-07	1.0E-03	4.7E-10	1.6E-01	5.5E-03	4.0E-13	7.4E-01	1.2E-06
1.9E-07	1.0E-03	2.2E-10	1.6E-01	5.5E-03	1.9E-13	8.4E-01	6.0E-07	1.0E-03	5.2E-10	1.6E-01	5.5E-03	4.5E-13	8.4E-01	1.2E-06
1.9E-07	1.0E-03	2.3E-10	1.6E-01	5.5E-03	2.0E-13	9.0E-01	6.0E-07	1.0E-03	5.6E-10	1.6E-01	5.5E-03	4.8E-13	9.0E-01	1.2E-06
1.9E-07	1.0E-03	2.3E-10	1.6E-01	5.5E-03	1.9E-13	9.2E-01	6.0E-07	1.0E-03	5.8E-10	1.6E-01	5.5E-03	5.0E-13	9.2E-01	1.2E-06
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1.9E-07	1.0E-03	1.9E-10	1.6E-01	5.5E-03	1.6E-13	8.4E-01	6.0E-07	1.0E-03	5.3E-10	1.6E-01	5.5E-03	4.5E-13	8.4E-01	1.2E-06
1.9E-07	1.0E-03	1.7E-10	1.6E-01	5.5E-03	1.4E-13	7.7E-01	6.0E-07	1.0E-03	4.8E-10	1.6E-01	5.5E-03	4.2E-13	7.7E-01	1.2E-06
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1.9E-07	1.0E-03	9.7E-11	1.6E-01	5.5E-03	8.3E-14	4.9E-01	6.0E-07	1.0E-03	3.1E-10	1.6E-01	5.5E-03	2.6E-13	4.9E-01	1.2E-06
1.9E-07	1.0E-03	8.8E-11	1.6E-01	5.5E-03	7.6E-14	4.5E-01	6.0E-07	1.0E-03	2.8E-10	1.6E-01	5.5E-03	2.4E-13	4.5E-01	1.2E-06
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1.9E-07	1.0E-03	9.3E-11	1.6E-01	5.5E-03	8.0E-14	3.8E-01	6.0E-07	1.0E-03	2.4E-10	1.6E-01	5.5E-03	2.1E-13	3.8E-01	1.2E-06
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1.9E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-03	1.1E-13	5.2E-01	6.0E-07	1.0E-03	3.3E-10	1.6E-01	5.5E-03	2.8E-13	5.2E-01	1.2E-06
1.9E-07	1.0E-03	1.5E-10	1.6E-01	5.5E-03	1.3E-13	5.9E-01	6.0E-07	1.0E-03	3.7E-10	1.6E-01	5.5E-03	3.2E-13	5.9E-01	1.2E-06
1.9E-07	1.0E-03	1.6E-10	1.6E-01	5.5E-03	1.4E-13	6.6E-01	6.0E-07	1.0E-03	4.1E-10	1.6E-01	5.5E-03	3.6E-13	6.6E-01	1.2E-06
1.9E-07	1.0E-03	1.7E-10	1.6E-01	5.5E-03	1.5E-13	7.0E-01	6.0E-07	1.0E-03	4.4E-10	1.6E-01	5.5E-03	3.8E-13	7.0E-01	1.2E-06
1.9E-07	1.0E-03	1.7E-10	1.6E-01	5.5E-03	1.5E-13	7.2E-01	6.0E-07	1.0E-03	4.5E-10	1.6E-01	5.5E-03	3.9E-13	7.2E-01	1.2E-06
1.9E-07	1.0E-03	1.7E-10	1.6E-01	5.5E-03	1.4E-13	7.1E-01	6.0E-07	1.0E-03	4.5E-10	1.6E-01	5.5E-03	3.9E-13	7.1E-01	1.2E-06
1.9E-07	1.0E-03	1.6E-10	1.6E-01	5.5E-03	1.3E-13	6.9E-01	6.0E-07	1.0E-03	4.3E-10	1.6E-01	5.5E-03	3.7E-13	6.9E-01	1.2E-06
1.9E-07	1.0E-03	1.4E-10	1.6E-01	5.5E-03	1.2E-13	6.4E-01	6.0E-07	1.0E-03	4.0E-10	1.6E-01	5.5E-03	3.5E-13	6.4E-01	1.2E-06
1.9E-07	1.0E-03	1.2E-10	1.6E-01	5.5E-03	1.1E-13	5.8E-01	6.0E-07	1.0E-03	3.7E-10	1.6E-01	5.5E-03	3.1E-13	5.8E-01	1.2E-06
1.9E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.3E-14	5.2E-01	6.0E-07	1.0E-03	3.3E-10	1.6E-01	5.5E-03	2.8E-13	5.2E-01	1.2E-06
1.9E-07	1.0E-03	8.8E-11	1.6E-01	5.5E-03	7.5E-14	4.3E-01	6.0E-07	1.0E-03	2.7E-10	1.6E-01	5.5E-03	2.3E-13	4.3E-01	1.2E-06

1.9E-07	1.0E-03	7.6E-11	1.6E-01	5.5E-03	6.5E-14	3.8E-01	6.0E-07	1.0E-03	2.4E-10	1.6E-01	5.5E-03	2.1E-13	3.8E-01	1.2E-06
1.9E-07	1.0E-03	5.8E-11	1.6E-01	5.5E-03	5.0E-14	2.5E-01	6.0E-07	1.0E-03	1.6E-10	1.6E-01	5.5E-03	1.3E-13	2.5E-01	1.2E-06
1.9E-07	1.0E-03	6.8E-11	1.6E-01	5.5E-03	5.8E-14	2.9E-01	6.0E-07	1.0E-03	1.8E-10	1.6E-01	5.5E-03	1.5E-13	2.9E-01	1.2E-06
1.9E-07	1.0E-03	7.9E-11	1.6E-01	5.5E-03	6.8E-14	3.3E-01	6.0E-07	1.0E-03	2.1E-10	1.6E-01	5.5E-03	1.8E-13	3.3E-01	1.2E-06
1.9E-07	1.0E-03	9.2E-11	1.6E-01	5.5E-03	7.9E-14	3.8E-01	6.0E-07	1.0E-03	2.4E-10	1.6E-01	5.5E-03	2.0E-13	3.8E-01	1.2E-06
1.9E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.1E-14	4.3E-01	6.0E-07	1.0E-03	2.7E-10	1.6E-01	5.5E-03	2.3E-13	4.3E-01	1.2E-06
1.9E-07	1.0E-03	1.2E-10	1.6E-01	5.5E-03	1.0E-13	4.9E-01	6.0E-07	1.0E-03	3.0E-10	1.6E-01	5.5E-03	2.6E-13	4.9E-01	1.2E-06
1.9E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-03	1.1E-13	5.3E-01	6.0E-07	1.0E-03	3.3E-10	1.6E-01	5.5E-03	2.9E-13	5.3E-01	1.2E-06
1.9E-07	1.0E-03	1.4E-10	1.6E-01	5.5E-03	1.2E-13	5.6E-01	6.0E-07	1.0E-03	3.5E-10	1.6E-01	5.5E-03	3.0E-13	5.6E-01	1.2E-06
1.9E-07	1.0E-03	1.4E-10	1.6E-01	5.5E-03	1.2E-13	5.8E-01	6.0E-07	1.0E-03	3.6E-10	1.6E-01	5.5E-03	3.1E-13	5.8E-01	1.2E-06
1.9E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-03	1.2E-13	5.8E-01	6.0E-07	1.0E-03	3.6E-10	1.6E-01	5.5E-03	3.1E-13	5.8E-01	1.2E-06
1.9E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-03	1.1E-13	5.6E-01	6.0E-07	1.0E-03	3.5E-10	1.6E-01	5.5E-03	3.0E-13	5.6E-01	1.2E-06
1.9E-07	1.0E-03	1.2E-10	1.6E-01	5.5E-03	1.0E-13	5.3E-01	6.0E-07	1.0E-03	3.4E-10	1.6E-01	5.5E-03	2.9E-13	5.3E-01	1.2E-06
1.9E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.2E-14	5.0E-01	6.0E-07	1.0E-03	3.1E-10	1.6E-01	5.5E-03	2.7E-13	5.0E-01	1.2E-06
1.9E-07	1.0E-03	9.5E-11	1.6E-01	5.5E-03	8.2E-14	4.5E-01	6.0E-07	1.0E-03	2.9E-10	1.6E-01	5.5E-03	2.5E-13	4.5E-01	1.2E-06
1.9E-07	1.0E-03	8.3E-11	1.6E-01	5.5E-03	7.1E-14	4.0E-01	6.0E-07	1.0E-03	2.5E-10	1.6E-01	5.5E-03	2.2E-13	4.0E-01	1.2E-06
1.9E-07	1.0E-03	6.9E-11	1.6E-01	5.5E-03	5.9E-14	3.4E-01	6.0E-07	1.0E-03	2.1E-10	1.6E-01	5.5E-03	1.9E-13	3.4E-01	1.2E-06
1.9E-07	1.0E-03	5.2E-11	1.6E-01	5.5E-03	4.4E-14	2.2E-01	6.0E-07	1.0E-03	1.4E-10	1.6E-01	5.5E-03	1.2E-13	2.2E-01	1.2E-06
1.9E-07	1.0E-03	5.9E-11	1.6E-01	5.5E-03	5.1E-14	2.5E-01	6.0E-07	1.0E-03	1.6E-10	1.6E-01	5.5E-03	1.4E-13	2.5E-01	1.2E-06
1.9E-07	1.0E-03	6.8E-11	1.6E-01	5.5E-03	5.8E-14	2.9E-01	6.0E-07	1.0E-03	1.8E-10	1.6E-01	5.5E-03	1.5E-13	2.9E-01	1.2E-06
1.9E-07	1.0E-03	7.7E-11	1.6E-01	5.5E-03	6.7E-14	3.3E-01	6.0E-07	1.0E-03	2.0E-10	1.6E-01	5.5E-03	1.8E-13	3.3E-01	1.2E-06
1.9E-07	1.0E-03	8.7E-11	1.6E-01	5.5E-03	7.5E-14	3.7E-01	6.0E-07	1.0E-03	2.3E-10	1.6E-01	5.5E-03	2.0E-13	3.7E-01	1.2E-06
1.9E-07	1.0E-03	9.7E-11	1.6E-01	5.5E-03	8.4E-14	4.0E-01	6.0E-07	1.0E-03	2.5E-10	1.6E-01	5.5E-03	2.2E-13	4.0E-01	1.2E-06
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1.9E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.4E-14	4.6E-01	6.0E-07	1.0E-03	2.9E-10	1.6E-01	5.5E-03	2.5E-13	4.6E-01	1.2E-06
1.9E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.6E-14	4.8E-01	6.0E-07	1.0E-03	3.0E-10	1.6E-01	5.5E-03	2.6E-13	4.8E-01	1.2E-06
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1.9E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.1E-14	4.7E-01	6.0E-07	1.0E-03	2.9E-10	1.6E-01	5.5E-03	2.5E-13	4.7E-01	1.2E-06
1.9E-07	1.0E-03	9.9E-11	1.6E-01	5.5E-03	8.6E-14	4.5E-01	6.0E-07	1.0E-03	2.8E-10	1.6E-01	5.5E-03	2.4E-13	4.5E-01	1.2E-06
1.9E-07	1.0E-03	9.2E-11	1.6E-01	5.5E-03	7.9E-14	4.3E-01	6.0E-07	1.0E-03	2.7E-10	1.6E-01	5.5E-03	2.3E-13	4.3E-01	1.2E-06
1.9E-07	1.0E-03	8.4E-11	1.6E-01	5.5E-03	7.2E-14	4.0E-01	6.0E-07	1.0E-03	2.5E-10	1.6E-01	5.5E-03	2.1E-13	4.0E-01	1.2E-06
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1.9E-07	1.0E-03	6.4E-11	1.6E-01	5.5E-03	5.5E-14	3.1E-01	6.0E-07	1.0E-03	2.0E-10	1.6E-01	5.5E-03	1.7E-13	3.1E-01	1.2E-06
1.9E-07	1.0E-03	2.3E-09	1.6E-01	5.5E-03	2.0E-12	1.4E+01	6.0E-07	1.0E-03	8.9E-09	1.6E-01	5.5E-03	7.7E-12	1.4E+01	1.2E-06
1.9E-07	1.0E-03	2.8E-09	1.6E-01	5.5E-03	2.4E-12	1.8E+01	6.0E-07	1.0E-03	1.1E-08	1.6E-01	5.5E-03	9.9E-12	1.8E+01	1.2E-06
1.9E-07	1.0E-03	3.2E-09	1.6E-01	5.5E-03	2.8E-12	2.4E+01	6.0E-07	1.0E-03	1.5E-08	1.6E-01	5.5E-03	1.3E-11	2.4E+01	1.2E-06
1.9E-07	1.0E-03	3.7E-09	1.6E-01	5.5E-03	3.2E-12	3.2E+01	6.0E-07	1.0E-03	2.0E-08	1.6E-01	5.5E-03	1.7E-11	3.2E+01	1.2E-06
1.9E-07	1.0E-03	4.3E-09	1.6E-01	5.5E-03	3.7E-12	4.2E+01	6.0E-07	1.0E-03	2.7E-08	1.6E-01	5.5E-03	2.3E-11	4.2E+01	1.2E-06
1.9E-07	1.0E-03	4.7E-09	1.6E-01	5.5E-03	4.0E-12	5.4E+01	6.0E-07	1.0E-03	3.4E-08	1.6E-01	5.5E-03	2.9E-11	5.4E+01	1.2E-06
1.9E-07	1.0E-03	4.9E-09	1.6E-01	5.5E-03	4.2E-12	6.3E+01	6.0E-07	1.0E-03	3.9E-08	1.6E-01	5.5E-03	3.4E-11	6.3E+01	1.2E-06
1.9E-07	1.0E-03	4.9E-09	1.6E-01	5.5E-03	4.2E-12	6.8E+01	6.0E-07	1.0E-03	4.3E-08	1.6E-01	5.5E-03	3.7E-11	6.8E+01	1.2E-06
1.9E-07	1.0E-03	4.7E-09	1.6E-01	5.5E-03	4.0E-12	7.0E+01	6.0E-07	1.0E-03	4.4E-08	1.6E-01	5.5E-03	3.8E-11	7.0E+01	1.2E-06
1.9E-07	1.0E-03	4.3E-09	1.6E-01	5.5E-03	3.7E-12	6.8E+01	6.0E-07	1.0E-03	4.2E-08	1.6E-01	5.5E-03	3.7E-11	6.8E+01	1.2E-06
1.9E-07	1.0E-03	4.0E-09	1.6E-01	5.5E-03	3.4E-12	6.1E+01	6.0E-07	1.0E-03	3.8E-08	1.6E-01	5.5E-03	3.3E-11	6.1E+01	1.2E-06
1.9E-07	1.0E-03	3.6E-09	1.6E-01	5.5E-03	3.1E-12	5.1E+01	6.0E-07	1.0E-03	3.2E-08	1.6E-01	5.5E-03	2.8E-11	5.1E+01	1.2E-06
1.9E-07	1.0E-03	3.3E-09	1.6E-01	5.5E-03	2.8E-12	4.2E+01	6.0E-07	1.0E-03	2.7E-08	1.6E-01	5.5E-03	2.3E-11	4.2E+01	1.2E-06
1.9E-07	1.0E-03	3.0E-09	1.6E-01	5.5E-03	2.6E-12	3.5E+01	6.0E-07	1.0E-03	2.2E-08	1.6E-01	5.5E-03	1.9E-11	3.5E+01	1.2E-06
1.9E-07	1.0E-03	2.7E-09	1.6E-01	5.5E-03	2.3E-12	2.9E+01	6.0E-07	1.0E-03	1.8E-08	1.6E-01	5.5E-03	1.5E-11	2.9E+01	1.2E-06
1.9E-07	1.0E-03	2.4E-09	1.6E-01	5.5E-03	2.1E-12	2.4E+01	6.0E-07	1.0E-03	1.5E-08	1.6E-01	5.5E-03	1.3E-11	2.4E+01	1.2E-06

1.9E-07	1.0E-03	2.2E-09	1.6E-01	5.5E-03	1.9E-12	2.0E+01	6.0E-07	1.0E-03	1.3E-08	1.6E-01	5.5E-03	1.1E-11	2.0E+01	1.2E-06
1.9E-07	1.0E-03	2.0E-09	1.6E-01	5.5E-03	1.7E-12	1.7E+01	6.0E-07	1.0E-03	1.1E-08	1.6E-01	5.5E-03	9.2E-12	1.7E+01	1.2E-06
1.9E-07	1.0E-03	1.8E-09	1.6E-01	5.5E-03	1.5E-12	1.5E+01	6.0E-07	1.0E-03	9.1E-09	1.6E-01	5.5E-03	7.9E-12	1.5E+01	1.2E-06
1.9E-07	1.0E-03	1.6E-09	1.6E-01	5.5E-03	1.4E-12	1.3E+01	6.0E-07	1.0E-03	7.9E-09	1.6E-01	5.5E-03	6.8E-12	1.3E+01	1.2E-06
1.9E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12	1.1E+01	6.0E-07	1.0E-03	6.9E-09	1.6E-01	5.5E-03	5.9E-12	1.1E+01	1.2E-06
1.9E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12	9.6E+00	6.0E-07	1.0E-03	6.0E-09	1.6E-01	5.5E-03	5.2E-12	9.6E+00	1.2E-06
1.9E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.0E-12	8.5E+00	6.0E-07	1.0E-03	5.3E-09	1.6E-01	5.5E-03	4.6E-12	8.5E+00	1.2E-06
1.9E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.6E-13	7.5E+00	6.0E-07	1.0E-03	4.7E-09	1.6E-01	5.5E-03	4.1E-12	7.5E+00	1.2E-06
1.9E-07	1.0E-03	1.0E-09	1.6E-01	5.5E-03	8.8E-13	6.7E+00	6.0E-07	1.0E-03	4.2E-09	1.6E-01	5.5E-03	3.6E-12	6.7E+00	1.2E-06
1.9E-07	1.0E-03	9.4E-10	1.6E-01	5.5E-03	8.1E-13	6.0E+00	6.0E-07	1.0E-03	3.8E-09	1.6E-01	5.5E-03	3.3E-12	6.0E+00	1.2E-06
1.9E-07	1.0E-03	2.9E-09	1.6E-01	5.5E-03	2.5E-12	1.6E+01	6.0E-07	1.0E-03	1.0E-08	1.6E-01	5.5E-03	8.7E-12	1.6E+01	1.2E-06
1.9E-07	1.0E-03	3.5E-09	1.6E-01	5.5E-03	3.0E-12	2.2E+01	6.0E-07	1.0E-03	1.4E-08	1.6E-01	5.5E-03	1.2E-11	2.2E+01	1.2E-06
1.9E-07	1.0E-03	4.3E-09	1.6E-01	5.5E-03	3.7E-12	3.0E+01	6.0E-07	1.0E-03	1.9E-08	1.6E-01	5.5E-03	1.6E-11	3.0E+01	1.2E-06
1.9E-07	1.0E-03	5.2E-09	1.6E-01	5.5E-03	4.5E-12	4.3E+01	6.0E-07	1.0E-03	2.7E-08	1.6E-01	5.5E-03	2.3E-11	4.3E+01	1.2E-06
1.9E-07	1.0E-03	6.1E-09	1.6E-01	5.5E-03	5.3E-12	1.5E+01	6.0E-07	1.0E-03	9.6E-09	1.6E-01	5.5E-03	8.3E-12	1.5E+01	1.2E-06
1.9E-07	1.0E-03	6.8E-09	1.6E-01	5.5E-03	5.8E-12	2.2E+01	6.0E-07	1.0E-03	1.4E-08	1.6E-01	5.5E-03	1.2E-11	2.2E+01	1.2E-06
1.9E-07	1.0E-03	7.0E-09	1.6E-01	5.5E-03	6.0E-12	3.2E+01	6.0E-07	1.0E-03	2.0E-08	1.6E-01	5.5E-03	1.7E-11	3.2E+01	1.2E-06
1.9E-07	1.0E-03	6.6E-09	1.6E-01	5.5E-03	5.7E-12	4.6E+01	6.0E-07	1.0E-03	2.9E-08	1.6E-01	5.5E-03	2.5E-11	4.6E+01	1.2E-06
1.9E-07	1.0E-03	6.1E-09	1.6E-01	5.5E-03	5.2E-12	4.7E+01	6.0E-07	1.0E-03	3.0E-08	1.6E-01	5.5E-03	2.6E-11	4.7E+01	1.2E-06
1.9E-07	1.0E-03	5.4E-09	1.6E-01	5.5E-03	4.7E-12	3.5E+01	6.0E-07	1.0E-03	2.2E-08	1.6E-01	5.5E-03	1.9E-11	3.5E+01	1.2E-06
1.9E-07	1.0E-03	4.8E-09	1.6E-01	5.5E-03	4.1E-12	2.6E+01	6.0E-07	1.0E-03	1.7E-08	1.6E-01	5.5E-03	1.4E-11	2.6E+01	1.2E-06
1.9E-07	1.0E-03	4.2E-09	1.6E-01	5.5E-03	3.6E-12	6.8E+01	6.0E-07	1.0E-03	4.3E-08	1.6E-01	5.5E-03	3.7E-11	6.8E+01	1.2E-06
1.9E-07	1.0E-03	3.7E-09	1.6E-01	5.5E-03	3.2E-12	5.2E+01	6.0E-07	1.0E-03	3.2E-08	1.6E-01	5.5E-03	2.8E-11	5.2E+01	1.2E-06
1.9E-07	1.0E-03	3.3E-09	1.6E-01	5.5E-03	2.9E-12	4.0E+01	6.0E-07	1.0E-03	2.5E-08	1.6E-01	5.5E-03	2.2E-11	4.0E+01	1.2E-06
1.9E-07	1.0E-03	2.9E-09	1.6E-01	5.5E-03	2.5E-12	3.2E+01	6.0E-07	1.0E-03	2.0E-08	1.6E-01	5.5E-03	1.7E-11	3.2E+01	1.2E-06
1.9E-07	1.0E-03	2.6E-09	1.6E-01	5.5E-03	2.3E-12	2.6E+01	6.0E-07	1.0E-03	1.6E-08	1.6E-01	5.5E-03	1.4E-11	2.6E+01	1.2E-06
1.9E-07	1.0E-03	2.3E-09	1.6E-01	5.5E-03	2.0E-12	2.1E+01	6.0E-07	1.0E-03	1.3E-08	1.6E-01	5.5E-03	1.1E-11	2.1E+01	1.2E-06
1.9E-07	1.0E-03	2.1E-09	1.6E-01	5.5E-03	1.8E-12	1.8E+01	6.0E-07	1.0E-03	1.1E-08	1.6E-01	5.5E-03	9.5E-12	1.8E+01	1.2E-06
1.9E-07	1.0E-03	1.9E-09	1.6E-01	5.5E-03	1.6E-12	1.5E+01	6.0E-07	1.0E-03	9.4E-09	1.6E-01	5.5E-03	8.1E-12	1.5E+01	1.2E-06
1.9E-07	1.0E-03	1.7E-09	1.6E-01	5.5E-03	1.4E-12	1.3E+01	6.0E-07	1.0E-03	8.0E-09	1.6E-01	5.5E-03	6.9E-12	1.3E+01	1.2E-06
1.9E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12	1.1E+01	6.0E-07	1.0E-03	6.9E-09	1.6E-01	5.5E-03	5.9E-12	1.1E+01	1.2E-06
1.9E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12	9.6E+00	6.0E-07	1.0E-03	6.0E-09	1.6E-01	5.5E-03	5.2E-12	9.6E+00	1.2E-06
1.9E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.1E-12	8.4E+00	6.0E-07	1.0E-03	5.3E-09	1.6E-01	5.5E-03	4.5E-12	8.4E+00	1.2E-06
1.9E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.7E-13	7.4E+00	6.0E-07	1.0E-03	4.7E-09	1.6E-01	5.5E-03	4.0E-12	7.4E+00	1.2E-06
1.9E-07	1.0E-03	1.0E-09	1.6E-01	5.5E-03	8.9E-13	6.6E+00	6.0E-07	1.0E-03	4.2E-09	1.6E-01	5.5E-03	3.6E-12	6.6E+00	1.2E-06
1.9E-07	1.0E-03	9.5E-10	1.6E-01	5.5E-03	8.1E-13	5.9E+00	6.0E-07	1.0E-03	3.7E-09	1.6E-01	5.5E-03	3.2E-12	5.9E+00	1.2E-06
1.9E-07	1.0E-03	3.5E-09	1.6E-01	5.5E-03	3.0E-12	1.8E+01	6.0E-07	1.0E-03	1.1E-08	1.6E-01	5.5E-03	9.7E-12	1.8E+01	1.2E-06
1.9E-07	1.0E-03	4.5E-09	1.6E-01	5.5E-03	3.9E-12	2.5E+01	6.0E-07	1.0E-03	1.6E-08	1.6E-01	5.5E-03	1.3E-11	2.5E+01	1.2E-06
1.9E-07	1.0E-03	5.8E-09	1.6E-01	5.5E-03	5.0E-12	3.7E+01	6.0E-07	1.0E-03	2.3E-08	1.6E-01	5.5E-03	2.0E-11	3.7E+01	1.2E-06
1.9E-07	1.0E-03	7.6E-09	1.6E-01	5.5E-03	6.5E-12	5.7E+01	6.0E-07	1.0E-03	3.6E-08	1.6E-01	5.5E-03	3.1E-11	5.7E+01	1.2E-06
1.9E-07	1.0E-03	9.4E-09	1.6E-01	5.5E-03	8.1E-12	1.8E+01	6.0E-07	1.0E-03	1.1E-08	1.6E-01	5.5E-03	9.7E-12	1.8E+01	1.2E-06
1.9E-07	1.0E-03	1.1E-08	1.6E-01	5.5E-03	9.2E-12	2.7E+01	6.0E-07	1.0E-03	1.7E-08	1.6E-01	5.5E-03	1.5E-11	2.7E+01	1.2E-06
1.9E-07	1.0E-03	1.1E-08	1.6E-01	5.5E-03	9.1E-12	4.4E+01	6.0E-07	1.0E-03	2.7E-08	1.6E-01	5.5E-03	2.4E-11	4.4E+01	1.2E-06
1.9E-07	1.0E-03	9.3E-09	1.6E-01	5.5E-03	8.0E-12	0.0E+00	6.0E-07	1.0E-03	0.0E+00	1.6E-01	5.5E-03	0.0E+00	0.0E+00	1.2E-06
1.9E-07	1.0E-03	7.9E-09	1.6E-01	5.5E-03	6.8E-12	0.0E+00	6.0E-07	1.0E-03	0.0E+00	1.6E-01	5.5E-03	0.0E+00	0.0E+00	1.2E-06
1.9E-07	1.0E-03	6.7E-09	1.6E-01	5.5E-03	5.8E-12	4.3E+01	6.0E-07	1.0E-03	2.7E-08	1.6E-01	5.5E-03	2.3E-11	4.3E+01	1.2E-06
1.9E-07	1.0E-03	5.7E-09	1.6E-01	5.5E-03	4.9E-12	3.0E+01	6.0E-07	1.0E-03	1.9E-08	1.6E-01	5.5E-03	1.6E-11	3.0E+01	1.2E-06
1.9E-07	1.0E-03	4.9E-09	1.6E-01	5.5E-03	4.2E-12	2.2E+01	6.0E-07	1.0E-03	1.4E-08	1.6E-01	5.5E-03	1.2E-11	2.2E+01	1.2E-06
1.9E-07	1.0E-03	4.2E-09	1.6E-01	5.5E-03	3.6E-12	6.1E+01	6.0E-07	1.0E-03	3.9E-08	1.6E-01	5.5E-03	3.3E-11	6.1E+01	1.2E-06

1.9E-07	1.0E-03	3.6E-09	1.6E-01	5.5E-03	3.1E-12	4.4E+01	6.0E-07	1.0E-03	2.8E-08	1.6E-01	5.5E-03	2.4E-11	4.4E+01	1.2E-06
1.9E-07	1.0E-03	3.2E-09	1.6E-01	5.5E-03	2.7E-12	3.4E+01	6.0E-07	1.0E-03	2.1E-08	1.6E-01	5.5E-03	1.8E-11	3.4E+01	1.2E-06
1.9E-07	1.0E-03	2.8E-09	1.6E-01	5.5E-03	2.4E-12	2.7E+01	6.0E-07	1.0E-03	1.7E-08	1.6E-01	5.5E-03	1.4E-11	2.7E+01	1.2E-06
1.9E-07	1.0E-03	2.5E-09	1.6E-01	5.5E-03	2.1E-12	2.2E+01	6.0E-07	1.0E-03	1.4E-08	1.6E-01	5.5E-03	1.2E-11	2.2E+01	1.2E-06
1.9E-07	1.0E-03	2.2E-09	1.6E-01	5.5E-03	1.9E-12	1.8E+01	6.0E-07	1.0E-03	1.1E-08	1.6E-01	5.5E-03	9.6E-12	1.8E+01	1.2E-06
1.9E-07	1.0E-03	1.9E-09	1.6E-01	5.5E-03	1.7E-12	1.5E+01	6.0E-07	1.0E-03	9.4E-09	1.6E-01	5.5E-03	8.1E-12	1.5E+01	1.2E-06
1.9E-07	1.0E-03	1.7E-09	1.6E-01	5.5E-03	1.5E-12	1.3E+01	6.0E-07	1.0E-03	7.9E-09	1.6E-01	5.5E-03	6.8E-12	1.3E+01	1.2E-06
1.9E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12	1.1E+01	6.0E-07	1.0E-03	6.8E-09	1.6E-01	5.5E-03	5.9E-12	1.1E+01	1.2E-06
1.9E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12	9.4E+00	6.0E-07	1.0E-03	5.9E-09	1.6E-01	5.5E-03	5.1E-12	9.4E+00	1.2E-06
1.9E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12	8.2E+00	6.0E-07	1.0E-03	5.2E-09	1.6E-01	5.5E-03	4.5E-12	8.2E+00	1.2E-06
1.9E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.8E-13	7.3E+00	6.0E-07	1.0E-03	4.6E-09	1.6E-01	5.5E-03	3.9E-12	7.3E+00	1.2E-06
1.9E-07	1.0E-03	1.0E-09	1.6E-01	5.5E-03	8.9E-13	6.5E+00	6.0E-07	1.0E-03	4.1E-09	1.6E-01	5.5E-03	3.5E-12	6.5E+00	1.2E-06
1.9E-07	1.0E-03	9.4E-10	1.6E-01	5.5E-03	8.1E-13	5.8E+00	6.0E-07	1.0E-03	3.6E-09	1.6E-01	5.5E-03	3.1E-12	5.8E+00	1.2E-06
1.9E-07	1.0E-03	4.2E-09	1.6E-01	5.5E-03	3.7E-12	1.9E+01	6.0E-07	1.0E-03	1.2E-08	1.6E-01	5.5E-03	1.0E-11	1.9E+01	1.2E-06
1.9E-07	1.0E-03	5.7E-09	1.6E-01	5.5E-03	4.9E-12	2.7E+01	6.0E-07	1.0E-03	1.7E-08	1.6E-01	5.5E-03	1.5E-11	2.7E+01	1.2E-06
1.9E-07	1.0E-03	8.0E-09	1.6E-01	5.5E-03	6.9E-12	4.1E+01	6.0E-07	1.0E-03	2.6E-08	1.6E-01	5.5E-03	2.2E-11	4.1E+01	1.2E-06
1.9E-07	1.0E-03	1.1E-08	1.6E-01	5.5E-03	9.8E-12	1.3E+01	6.0E-07	1.0E-03	8.2E-09	1.6E-01	5.5E-03	7.1E-12	1.3E+01	1.2E-06
1.9E-07	1.0E-03	4.5E-09	1.6E-01	5.5E-03	3.8E-12	2.0E+01	6.0E-07	1.0E-03	1.2E-08	1.6E-01	5.5E-03	1.1E-11	2.0E+01	1.2E-06
1.9E-07	1.0E-03	4.9E-09	1.6E-01	5.5E-03	4.3E-12	3.1E+01	6.0E-07	1.0E-03	2.0E-08	1.6E-01	5.5E-03	1.7E-11	3.1E+01	1.2E-06
1.9E-07	1.0E-03	5.1E-09	1.6E-01	5.5E-03	4.4E-12	0.0E+00	6.0E-07	1.0E-03	0.0E+00	1.6E-01	5.5E-03	0.0E+00	0.0E+00	1.2E-06
1.9E-07	1.0E-03	1.4E-08	1.6E-01	5.5E-03	1.2E-11	0.0E+00	6.0E-07	1.0E-03	0.0E+00	1.6E-01	5.5E-03	0.0E+00	0.0E+00	1.2E-06
1.9E-07	1.0E-03	1.0E-08	1.6E-01	5.5E-03	8.9E-12	0.0E+00	6.0E-07	1.0E-03	0.0E+00	1.6E-01	5.5E-03	0.0E+00	0.0E+00	1.2E-06
1.9E-07	1.0E-03	8.1E-09	1.6E-01	5.5E-03	7.0E-12	5.0E+01	6.0E-07	1.0E-03	3.1E-08	1.6E-01	5.5E-03	2.7E-11	5.0E+01	1.2E-06
1.9E-07	1.0E-03	6.6E-09	1.6E-01	5.5E-03	5.7E-12	3.2E+01	6.0E-07	1.0E-03	2.0E-08	1.6E-01	5.5E-03	1.7E-11	3.2E+01	1.2E-06
1.9E-07	1.0E-03	5.5E-09	1.6E-01	5.5E-03	4.7E-12	2.3E+01	6.0E-07	1.0E-03	1.4E-08	1.6E-01	5.5E-03	1.2E-11	2.3E+01	1.2E-06
1.9E-07	1.0E-03	4.6E-09	1.6E-01	5.5E-03	4.0E-12	6.8E+01	6.0E-07	1.0E-03	4.3E-08	1.6E-01	5.5E-03	3.7E-11	6.8E+01	1.2E-06
1.9E-07	1.0E-03	3.9E-09	1.6E-01	5.5E-03	3.4E-12	4.6E+01	6.0E-07	1.0E-03	2.9E-08	1.6E-01	5.5E-03	2.5E-11	4.6E+01	1.2E-06
1.9E-07	1.0E-03	3.4E-09	1.6E-01	5.5E-03	2.9E-12	3.4E+01	6.0E-07	1.0E-03	2.2E-08	1.6E-01	5.5E-03	1.9E-11	3.4E+01	1.2E-06
1.9E-07	1.0E-03	2.9E-09	1.6E-01	5.5E-03	2.5E-12	2.7E+01	6.0E-07	1.0E-03	1.7E-08	1.6E-01	5.5E-03	1.4E-11	2.7E+01	1.2E-06
1.9E-07	1.0E-03	2.6E-09	1.6E-01	5.5E-03	2.2E-12	2.1E+01	6.0E-07	1.0E-03	1.3E-08	1.6E-01	5.5E-03	1.2E-11	2.1E+01	1.2E-06
1.9E-07	1.0E-03	2.2E-09	1.6E-01	5.5E-03	1.9E-12	1.8E+01	6.0E-07	1.0E-03	1.1E-08	1.6E-01	5.5E-03	9.5E-12	1.8E+01	1.2E-06
1.9E-07	1.0E-03	2.0E-09	1.6E-01	5.5E-03	1.7E-12	1.5E+01	6.0E-07	1.0E-03	9.2E-09	1.6E-01	5.5E-03	7.9E-12	1.5E+01	1.2E-06
1.9E-07	1.0E-03	1.7E-09	1.6E-01	5.5E-03	1.5E-12	1.2E+01	6.0E-07	1.0E-03	7.8E-09	1.6E-01	5.5E-03	6.7E-12	1.2E+01	1.2E-06
1.9E-07	1.0E-03	1.6E-09	1.6E-01	5.5E-03	1.3E-12	1.1E+01	6.0E-07	1.0E-03	6.6E-09	1.6E-01	5.5E-03	5.7E-12	1.1E+01	1.2E-06
1.9E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12	9.2E+00	6.0E-07	1.0E-03	5.7E-09	1.6E-01	5.5E-03	4.9E-12	9.2E+00	1.2E-06
1.9E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12	8.0E+00	6.0E-07	1.0E-03	5.0E-09	1.6E-01	5.5E-03	4.3E-12	8.0E+00	1.2E-06
1.9E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.8E-13	7.0E+00	6.0E-07	1.0E-03	4.4E-09	1.6E-01	5.5E-03	3.8E-12	7.0E+00	1.2E-06
1.9E-07	1.0E-03	1.0E-09	1.6E-01	5.5E-03	8.9E-13	6.3E+00	6.0E-07	1.0E-03	3.9E-09	1.6E-01	5.5E-03	3.4E-12	6.3E+00	1.2E-06
1.9E-07	1.0E-03	9.4E-10	1.6E-01	5.5E-03	8.1E-13	5.6E+00	6.0E-07	1.0E-03	3.5E-09	1.6E-01	5.5E-03	3.0E-12	5.6E+00	1.2E-06
1.9E-07	1.0E-03	5.0E-09	1.6E-01	5.5E-03	4.3E-12	1.9E+01	6.0E-07	1.0E-03	1.2E-08	1.6E-01	5.5E-03	1.0E-11	1.9E+01	1.2E-06
1.9E-07	1.0E-03	7.1E-09	1.6E-01	5.5E-03	6.1E-12	2.7E+01	6.0E-07	1.0E-03	1.7E-08	1.6E-01	5.5E-03	1.5E-11	2.7E+01	1.2E-06
1.9E-07	1.0E-03	1.1E-08	1.6E-01	5.5E-03	9.1E-12	4.2E+01	6.0E-07	1.0E-03	2.6E-08	1.6E-01	5.5E-03	2.3E-11	4.2E+01	1.2E-06
1.9E-07	1.0E-03	5.5E-09	1.6E-01	5.5E-03	4.8E-12	1.3E+01	6.0E-07	1.0E-03	8.3E-09	1.6E-01	5.5E-03	7.2E-12	1.3E+01	1.2E-06
1.9E-07	1.0E-03	6.8E-09	1.6E-01	5.5E-03	5.8E-12	2.0E+01	6.0E-07	1.0E-03	1.2E-08	1.6E-01	5.5E-03	1.1E-11	2.0E+01	1.2E-06
1.9E-07	1.0E-03	2.6E-09	1.6E-01	5.5E-03	2.2E-12	2.1E+01	6.0E-07	1.0E-03	1.3E-08	1.6E-01	5.5E-03	1.1E-11	2.1E+01	1.2E-06
1.9E-07	1.0E-03	2.3E-09	1.6E-01	5.5E-03	2.0E-12	1.7E+01	6.0E-07	1.0E-03	1.1E-08	1.6E-01	5.5E-03	9.1E-12	1.7E+01	1.2E-06
1.9E-07	1.0E-03	2.0E-09	1.6E-01	5.5E-03	1.7E-12	1.4E+01	6.0E-07	1.0E-03	8.8E-09	1.6E-01	5.5E-03	7.6E-12	1.4E+01	1.2E-06
1.9E-07	1.0E-03	1.8E-09	1.6E-01	5.5E-03	1.5E-12	1.2E+01	6.0E-07	1.0E-03	7.4E-09	1.6E-01	5.5E-03	6.4E-12	1.2E+01	1.2E-06
1.9E-07	1.0E-03	1.6E-09	1.6E-01	5.5E-03	1.3E-12	1.0E+01	6.0E-07	1.0E-03	6.4E-09	1.6E-01	5.5E-03	5.5E-12	1.0E+01	1.2E-06

1.9E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12	8.8E+00	6.0E-07	1.0E-03	5.5E-09	1.6E-01	5.5E-03	4.7E-12	8.8E+00	1.2E-06
1.9E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.1E-12	7.7E+00	6.0E-07	1.0E-03	4.8E-09	1.6E-01	5.5E-03	4.1E-12	7.7E+00	1.2E-06
1.9E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.7E-13	6.8E+00	6.0E-07	1.0E-03	4.2E-09	1.6E-01	5.5E-03	3.7E-12	6.8E+00	1.2E-06
1.9E-07	1.0E-03	1.0E-09	1.6E-01	5.5E-03	8.7E-13	6.0E+00	6.0E-07	1.0E-03	3.8E-09	1.6E-01	5.5E-03	3.2E-12	6.0E+00	1.2E-06
1.9E-07	1.0E-03	9.2E-10	1.6E-01	5.5E-03	7.9E-13	5.4E+00	6.0E-07	1.0E-03	3.4E-09	1.6E-01	5.5E-03	2.9E-12	5.4E+00	1.2E-06
1.9E-07	1.0E-03	5.7E-09	1.6E-01	5.5E-03	4.9E-12	1.8E+01	6.0E-07	1.0E-03	1.1E-08	1.6E-01	5.5E-03	9.8E-12	1.8E+01	1.2E-06
1.9E-07	1.0E-03	8.3E-09	1.6E-01	5.5E-03	7.1E-12	2.6E+01	6.0E-07	1.0E-03	1.6E-08	1.6E-01	5.5E-03	1.4E-11	2.6E+01	1.2E-06
1.9E-07	1.0E-03	1.3E-08	1.6E-01	5.5E-03	1.1E-11	3.8E+01	6.0E-07	1.0E-03	2.4E-08	1.6E-01	5.5E-03	2.0E-11	3.8E+01	1.2E-06
1.9E-07	1.0E-03	8.4E-09	1.6E-01	5.5E-03	7.2E-12	1.2E+01	6.0E-07	1.0E-03	7.8E-09	1.6E-01	5.5E-03	6.7E-12	1.2E+01	1.2E-06
1.9E-07	1.0E-03	1.1E-08	1.6E-01	5.5E-03	9.8E-12	1.8E+01	6.0E-07	1.0E-03	1.2E-08	1.6E-01	5.5E-03	9.9E-12	1.8E+01	1.2E-06
1.9E-07	1.0E-03	2.6E-09	1.6E-01	5.5E-03	2.3E-12	1.9E+01	6.0E-07	1.0E-03	1.2E-08	1.6E-01	5.5E-03	1.0E-11	1.9E+01	1.2E-06
1.9E-07	1.0E-03	2.3E-09	1.6E-01	5.5E-03	2.0E-12	1.6E+01	6.0E-07	1.0E-03	9.9E-09	1.6E-01	5.5E-03	8.5E-12	1.6E+01	1.2E-06
1.9E-07	1.0E-03	2.0E-09	1.6E-01	5.5E-03	1.7E-12	1.3E+01	6.0E-07	1.0E-03	8.3E-09	1.6E-01	5.5E-03	7.1E-12	1.3E+01	1.2E-06
1.9E-07	1.0E-03	1.7E-09	1.6E-01	5.5E-03	1.5E-12	1.1E+01	6.0E-07	1.0E-03	7.0E-09	1.6E-01	5.5E-03	6.0E-12	1.1E+01	1.2E-06
1.9E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12	9.6E+00	6.0E-07	1.0E-03	6.0E-09	1.6E-01	5.5E-03	5.2E-12	9.6E+00	1.2E-06
1.9E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12	8.3E+00	6.0E-07	1.0E-03	5.2E-09	1.6E-01	5.5E-03	4.5E-12	8.3E+00	1.2E-06
1.9E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.1E-12	7.3E+00	6.0E-07	1.0E-03	4.6E-09	1.6E-01	5.5E-03	3.9E-12	7.3E+00	1.2E-06
1.9E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.5E-13	6.4E+00	6.0E-07	1.0E-03	4.0E-09	1.6E-01	5.5E-03	3.5E-12	6.4E+00	1.2E-06
1.9E-07	1.0E-03	9.9E-10	1.6E-01	5.5E-03	8.6E-13	5.7E+00	6.0E-07	1.0E-03	3.6E-09	1.6E-01	5.5E-03	3.1E-12	5.7E+00	1.2E-06
1.9E-07	1.0E-03	9.0E-10	1.6E-01	5.5E-03	7.8E-13	5.1E+00	6.0E-07	1.0E-03	3.2E-09	1.6E-01	5.5E-03	2.8E-12	5.1E+00	1.2E-06
1.9E-07	1.0E-03	6.2E-09	1.6E-01	5.5E-03	5.3E-12	1.6E+01	6.0E-07	1.0E-03	1.0E-08	1.6E-01	5.5E-03	8.9E-12	1.6E+01	1.2E-06
1.9E-07	1.0E-03	9.0E-09	1.6E-01	5.5E-03	7.8E-12	2.2E+01	6.0E-07	1.0E-03	1.4E-08	1.6E-01	5.5E-03	1.2E-11	2.2E+01	1.2E-06
1.9E-07	1.0E-03	1.4E-08	1.6E-01	5.5E-03	1.2E-11	3.1E+01	6.0E-07	1.0E-03	1.9E-08	1.6E-01	5.5E-03	1.7E-11	3.1E+01	1.2E-06
1.9E-07	1.0E-03	3.3E-09	1.6E-01	5.5E-03	2.8E-12	4.5E+01	6.0E-07	1.0E-03	2.8E-08	1.6E-01	5.5E-03	2.4E-11	4.5E+01	1.2E-06
1.9E-07	1.0E-03	4.0E-09	1.6E-01	5.5E-03	3.5E-12	1.5E+01	6.0E-07	1.0E-03	9.6E-09	1.6E-01	5.5E-03	8.3E-12	1.5E+01	1.2E-06
1.9E-07	1.0E-03	2.6E-09	1.6E-01	5.5E-03	2.2E-12	1.7E+01	6.0E-07	1.0E-03	1.1E-08	1.6E-01	5.5E-03	9.3E-12	1.7E+01	1.2E-06
1.9E-07	1.0E-03	2.2E-09	1.6E-01	5.5E-03	1.9E-12	1.4E+01	6.0E-07	1.0E-03	9.0E-09	1.6E-01	5.5E-03	7.8E-12	1.4E+01	1.2E-06
1.9E-07	1.0E-03	2.0E-09	1.6E-01	5.5E-03	1.7E-12	1.2E+01	6.0E-07	1.0E-03	7.6E-09	1.6E-01	5.5E-03	6.6E-12	1.2E+01	1.2E-06
1.9E-07	1.0E-03	1.7E-09	1.6E-01	5.5E-03	1.5E-12	1.0E+01	6.0E-07	1.0E-03	6.5E-09	1.6E-01	5.5E-03	5.6E-12	1.0E+01	1.2E-06
1.9E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12	9.0E+00	6.0E-07	1.0E-03	5.6E-09	1.6E-01	5.5E-03	4.8E-12	9.0E+00	1.2E-06
1.9E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.2E-12	7.8E+00	6.0E-07	1.0E-03	4.9E-09	1.6E-01	5.5E-03	4.2E-12	7.8E+00	1.2E-06
1.9E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.0E-12	6.9E+00	6.0E-07	1.0E-03	4.3E-09	1.6E-01	5.5E-03	3.7E-12	6.9E+00	1.2E-06
1.9E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.2E-13	6.1E+00	6.0E-07	1.0E-03	3.8E-09	1.6E-01	5.5E-03	3.3E-12	6.1E+00	1.2E-06
1.9E-07	1.0E-03	9.6E-10	1.6E-01	5.5E-03	8.3E-13	5.4E+00	6.0E-07	1.0E-03	3.4E-09	1.6E-01	5.5E-03	2.9E-12	5.4E+00	1.2E-06
1.9E-07	1.0E-03	8.8E-10	1.6E-01	5.5E-03	7.5E-13	4.9E+00	6.0E-07	1.0E-03	3.0E-09	1.6E-01	5.5E-03	2.6E-12	4.9E+00	1.2E-06
1.9E-07	1.0E-03	6.4E-09	1.6E-01	5.5E-03	5.5E-12	1.5E+01	6.0E-07	1.0E-03	9.1E-09	1.6E-01	5.5E-03	7.9E-12	1.5E+01	1.2E-06
1.9E-07	1.0E-03	9.4E-09	1.6E-01	5.5E-03	8.1E-12	1.9E+01	6.0E-07	1.0E-03	1.2E-08	1.6E-01	5.5E-03	1.0E-11	1.9E+01	1.2E-06
1.9E-07	1.0E-03	1.5E-08	1.6E-01	5.5E-03	1.3E-11	2.5E+01	6.0E-07	1.0E-03	1.6E-08	1.6E-01	5.5E-03	1.3E-11	2.5E+01	1.2E-06
1.9E-07	1.0E-03	1.2E-08	1.6E-01	5.5E-03	1.1E-11	3.3E+01	6.0E-07	1.0E-03	2.1E-08	1.6E-01	5.5E-03	1.8E-11	3.3E+01	1.2E-06
1.9E-07	1.0E-03	6.7E-09	1.6E-01	5.5E-03	5.8E-12	4.4E+01	6.0E-07	1.0E-03	2.7E-08	1.6E-01	5.5E-03	2.4E-11	4.4E+01	1.2E-06
1.9E-07	1.0E-03	2.5E-09	1.6E-01	5.5E-03	2.2E-12	1.5E+01	6.0E-07	1.0E-03	9.6E-09	1.6E-01	5.5E-03	8.3E-12	1.5E+01	1.2E-06
1.9E-07	1.0E-03	2.2E-09	1.6E-01	5.5E-03	1.9E-12	1.3E+01	6.0E-07	1.0E-03	8.1E-09	1.6E-01	5.5E-03	7.0E-12	1.3E+01	1.2E-06
1.9E-07	1.0E-03	1.9E-09	1.6E-01	5.5E-03	1.6E-12	1.1E+01	6.0E-07	1.0E-03	7.0E-09	1.6E-01	5.5E-03	6.0E-12	1.1E+01	1.2E-06
1.9E-07	1.0E-03	1.7E-09	1.6E-01	5.5E-03	1.4E-12	9.6E+00	6.0E-07	1.0E-03	6.0E-09	1.6E-01	5.5E-03	5.2E-12	9.6E+00	1.2E-06
1.9E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12	8.3E+00	6.0E-07	1.0E-03	5.2E-09	1.6E-01	5.5E-03	4.5E-12	8.3E+00	1.2E-06
1.9E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12	7.3E+00	6.0E-07	1.0E-03	4.6E-09	1.6E-01	5.5E-03	3.9E-12	7.3E+00	1.2E-06
1.9E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	9.9E-13	6.4E+00	6.0E-07	1.0E-03	4.0E-09	1.6E-01	5.5E-03	3.5E-12	6.4E+00	1.2E-06
1.9E-07	1.0E-03	1.0E-09	1.6E-01	5.5E-03	8.9E-13	5.7E+00	6.0E-07	1.0E-03	3.6E-09	1.6E-01	5.5E-03	3.1E-12	5.7E+00	1.2E-06
1.9E-07	1.0E-03	9.3E-10	1.6E-01	5.5E-03	8.0E-13	5.1E+00	6.0E-07	1.0E-03	3.2E-09	1.6E-01	5.5E-03	2.8E-12	5.1E+00	1.2E-06

1.9E-07	1.0E-03	8.5E-10	1.6E-01	5.5E-03	7.3E-13	4.6E+00	6.0E-07	1.0E-03	2.9E-09	1.6E-01	5.5E-03	2.5E-12	4.6E+00	1.2E-06
1.9E-07	1.0E-03	6.3E-09	1.6E-01	5.5E-03	5.5E-12	1.3E+01	6.0E-07	1.0E-03	7.9E-09	1.6E-01	5.5E-03	6.8E-12	1.3E+01	1.2E-06
1.9E-07	1.0E-03	9.4E-09	1.6E-01	5.5E-03	8.1E-12	1.6E+01	6.0E-07	1.0E-03	9.8E-09	1.6E-01	5.5E-03	8.4E-12	1.6E+01	1.2E-06
1.9E-07	1.0E-03	1.5E-08	1.6E-01	5.5E-03	1.3E-11	2.0E+01	6.0E-07	1.0E-03	1.2E-08	1.6E-01	5.5E-03	1.1E-11	2.0E+01	1.2E-06
1.9E-07	1.0E-03	1.2E-08	1.6E-01	5.5E-03	1.1E-11	2.4E+01	6.0E-07	1.0E-03	1.5E-08	1.6E-01	5.5E-03	1.3E-11	2.4E+01	1.2E-06
1.9E-07	1.0E-03	5.9E-09	1.6E-01	5.5E-03	5.1E-12	3.0E+01	6.0E-07	1.0E-03	1.9E-08	1.6E-01	5.5E-03	1.6E-11	3.0E+01	1.2E-06
1.9E-07	1.0E-03	2.4E-09	1.6E-01	5.5E-03	2.1E-12	1.3E+01	6.0E-07	1.0E-03	8.4E-09	1.6E-01	5.5E-03	7.3E-12	1.3E+01	1.2E-06
1.9E-07	1.0E-03	2.1E-09	1.6E-01	5.5E-03	1.8E-12	1.2E+01	6.0E-07	1.0E-03	7.3E-09	1.6E-01	5.5E-03	6.3E-12	1.2E+01	1.2E-06
1.9E-07	1.0E-03	1.8E-09	1.6E-01	5.5E-03	1.6E-12	1.0E+01	6.0E-07	1.0E-03	6.3E-09	1.6E-01	5.5E-03	5.4E-12	1.0E+01	1.2E-06
1.9E-07	1.0E-03	1.6E-09	1.6E-01	5.5E-03	1.4E-12	8.7E+00	6.0E-07	1.0E-03	5.5E-09	1.6E-01	5.5E-03	4.7E-12	8.7E+00	1.2E-06
1.9E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12	7.7E+00	6.0E-07	1.0E-03	4.8E-09	1.6E-01	5.5E-03	4.1E-12	7.7E+00	1.2E-06
1.9E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.1E-12	6.8E+00	6.0E-07	1.0E-03	4.2E-09	1.6E-01	5.5E-03	3.6E-12	6.8E+00	1.2E-06
1.9E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.6E-13	6.0E+00	6.0E-07	1.0E-03	3.8E-09	1.6E-01	5.5E-03	3.2E-12	6.0E+00	1.2E-06
1.9E-07	1.0E-03	9.9E-10	1.6E-01	5.5E-03	8.6E-13	5.3E+00	6.0E-07	1.0E-03	3.4E-09	1.6E-01	5.5E-03	2.9E-12	5.3E+00	1.2E-06
1.9E-07	1.0E-03	9.0E-10	1.6E-01	5.5E-03	7.7E-13	4.8E+00	6.0E-07	1.0E-03	3.0E-09	1.6E-01	5.5E-03	2.6E-12	4.8E+00	1.2E-06
1.9E-07	1.0E-03	8.1E-10	1.6E-01	5.5E-03	7.0E-13	4.3E+00	6.0E-07	1.0E-03	2.7E-09	1.6E-01	5.5E-03	2.3E-12	4.3E+00	1.2E-06
1.9E-07	1.0E-03	6.0E-09	1.6E-01	5.5E-03	5.2E-12	1.1E+01	6.0E-07	1.0E-03	6.7E-09	1.6E-01	5.5E-03	5.8E-12	1.1E+01	1.2E-06
1.9E-07	1.0E-03	8.9E-09	1.6E-01	5.5E-03	7.6E-12	1.3E+01	6.0E-07	1.0E-03	8.1E-09	1.6E-01	5.5E-03	7.0E-12	1.3E+01	1.2E-06
1.9E-07	1.0E-03	1.4E-08	1.6E-01	5.5E-03	1.2E-11	1.6E+01	6.0E-07	1.0E-03	9.9E-09	1.6E-01	5.5E-03	8.5E-12	1.6E+01	1.2E-06
1.9E-07	1.0E-03	3.0E-09	1.6E-01	5.5E-03	2.6E-12	1.9E+01	6.0E-07	1.0E-03	1.2E-08	1.6E-01	5.5E-03	1.0E-11	1.9E+01	1.2E-06
1.9E-07	1.0E-03	3.5E-09	1.6E-01	5.5E-03	3.0E-12	2.2E+01	6.0E-07	1.0E-03	1.4E-08	1.6E-01	5.5E-03	1.2E-11	2.2E+01	1.2E-06
1.9E-07	1.0E-03	2.3E-09	1.6E-01	5.5E-03	2.0E-12	1.2E+01	6.0E-07	1.0E-03	7.4E-09	1.6E-01	5.5E-03	6.4E-12	1.2E+01	1.2E-06
1.9E-07	1.0E-03	2.0E-09	1.6E-01	5.5E-03	1.7E-12	1.0E+01	6.0E-07	1.0E-03	6.5E-09	1.6E-01	5.5E-03	5.6E-12	1.0E+01	1.2E-06
1.9E-07	1.0E-03	1.7E-09	1.6E-01	5.5E-03	1.5E-12	9.0E+00	6.0E-07	1.0E-03	5.7E-09	1.6E-01	5.5E-03	4.9E-12	9.0E+00	1.2E-06
1.9E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12	7.9E+00	6.0E-07	1.0E-03	5.0E-09	1.6E-01	5.5E-03	4.3E-12	7.9E+00	1.2E-06
1.9E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12	7.0E+00	6.0E-07	1.0E-03	4.4E-09	1.6E-01	5.5E-03	3.8E-12	7.0E+00	1.2E-06
1.9E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.0E-12	6.2E+00	6.0E-07	1.0E-03	3.9E-09	1.6E-01	5.5E-03	3.4E-12	6.2E+00	1.2E-06
1.9E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.1E-13	5.6E+00	6.0E-07	1.0E-03	3.5E-09	1.6E-01	5.5E-03	3.0E-12	5.6E+00	1.2E-06
1.9E-07	1.0E-03	9.5E-10	1.6E-01	5.5E-03	8.2E-13	5.0E+00	6.0E-07	1.0E-03	3.1E-09	1.6E-01	5.5E-03	2.7E-12	5.0E+00	1.2E-06
1.9E-07	1.0E-03	8.6E-10	1.6E-01	5.5E-03	7.4E-13	4.5E+00	6.0E-07	1.0E-03	2.8E-09	1.6E-01	5.5E-03	2.4E-12	4.5E+00	1.2E-06
1.9E-07	1.0E-03	7.8E-10	1.6E-01	5.5E-03	6.7E-13	4.1E+00	6.0E-07	1.0E-03	2.6E-09	1.6E-01	5.5E-03	2.2E-12	4.1E+00	1.2E-06
1.9E-07	1.0E-03	5.5E-09	1.6E-01	5.5E-03	4.7E-12	9.1E+00	6.0E-07	1.0E-03	5.7E-09	1.6E-01	5.5E-03	4.9E-12	9.1E+00	1.2E-06
1.9E-07	1.0E-03	7.9E-09	1.6E-01	5.5E-03	6.8E-12	1.1E+01	6.0E-07	1.0E-03	6.7E-09	1.6E-01	5.5E-03	5.8E-12	1.1E+01	1.2E-06
1.9E-07	1.0E-03	1.2E-08	1.6E-01	5.5E-03	1.0E-11	1.3E+01	6.0E-07	1.0E-03	7.9E-09	1.6E-01	5.5E-03	6.8E-12	1.3E+01	1.2E-06
1.9E-07	1.0E-03	7.7E-09	1.6E-01	5.5E-03	6.6E-12	1.5E+01	6.0E-07	1.0E-03	9.3E-09	1.6E-01	5.5E-03	8.0E-12	1.5E+01	1.2E-06
1.9E-07	1.0E-03	1.0E-08	1.6E-01	5.5E-03	8.6E-12	1.7E+01	6.0E-07	1.0E-03	1.1E-08	1.6E-01	5.5E-03	9.3E-12	1.7E+01	1.2E-06
1.9E-07	1.0E-03	2.1E-09	1.6E-01	5.5E-03	1.8E-12	1.0E+01	6.0E-07	1.0E-03	6.5E-09	1.6E-01	5.5E-03	5.6E-12	1.0E+01	1.2E-06
1.9E-07	1.0E-03	1.9E-09	1.6E-01	5.5E-03	1.6E-12	9.1E+00	6.0E-07	1.0E-03	5.7E-09	1.6E-01	5.5E-03	4.9E-12	9.1E+00	1.2E-06
1.9E-07	1.0E-03	1.6E-09	1.6E-01	5.5E-03	1.4E-12	8.1E+00	6.0E-07	1.0E-03	5.1E-09	1.6E-01	5.5E-03	4.4E-12	8.1E+00	1.2E-06
1.9E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12	7.2E+00	6.0E-07	1.0E-03	4.5E-09	1.6E-01	5.5E-03	3.9E-12	7.2E+00	1.2E-06
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1.9E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.7E-13	5.8E+00	6.0E-07	1.0E-03	3.6E-09	1.6E-01	5.5E-03	3.1E-12	5.8E+00	1.2E-06
1.9E-07	1.0E-03	1.0E-09	1.6E-01	5.5E-03	8.7E-13	5.2E+00	6.0E-07	1.0E-03	3.3E-09	1.6E-01	5.5E-03	2.8E-12	5.2E+00	1.2E-06
1.9E-07	1.0E-03	9.1E-10	1.6E-01	5.5E-03	7.8E-13	4.7E+00	6.0E-07	1.0E-03	2.9E-09	1.6E-01	5.5E-03	2.5E-12	4.7E+00	1.2E-06
1.9E-07	1.0E-03	8.2E-10	1.6E-01	5.5E-03	7.1E-13	4.2E+00	6.0E-07	1.0E-03	2.7E-09	1.6E-01	5.5E-03	2.3E-12	4.2E+00	1.2E-06
1.9E-07	1.0E-03	7.4E-10	1.6E-01	5.5E-03	6.4E-13	3.9E+00	6.0E-07	1.0E-03	2.4E-09	1.6E-01	5.5E-03	2.1E-12	3.9E+00	1.2E-06
1.9E-07	1.0E-03	4.8E-09	1.6E-01	5.5E-03	4.1E-12	7.8E+00	6.0E-07	1.0E-03	4.9E-09	1.6E-01	5.5E-03	4.2E-12	7.8E+00	1.2E-06
1.9E-07	1.0E-03	6.7E-09	1.6E-01	5.5E-03	5.8E-12	9.0E+00	6.0E-07	1.0E-03	5.6E-09	1.6E-01	5.5E-03	4.9E-12	9.0E+00	1.2E-06
1.9E-07	1.0E-03	9.8E-09	1.6E-01	5.5E-03	8.5E-12	1.0E+01	6.0E-07	1.0E-03	6.5E-09	1.6E-01	5.5E-03	5.6E-12	1.0E+01	1.2E-06

1.9E-07	1.0E-03	5.1E-09	1.6E-01	5.5E-03	4.4E-12	1.2E+01	6.0E-07	1.0E-03	7.5E-09	1.6E-01	5.5E-03	6.5E-12	1.2E+01	1.2E-06
1.9E-07	1.0E-03	6.1E-09	1.6E-01	5.5E-03	5.2E-12	1.4E+01	6.0E-07	1.0E-03	8.6E-09	1.6E-01	5.5E-03	7.4E-12	1.4E+01	1.2E-06
1.9E-07	1.0E-03	2.0E-09	1.6E-01	5.5E-03	1.7E-12	9.1E+00	6.0E-07	1.0E-03	5.7E-09	1.6E-01	5.5E-03	4.9E-12	9.1E+00	1.2E-06
1.9E-07	1.0E-03	1.7E-09	1.6E-01	5.5E-03	1.5E-12	8.1E+00	6.0E-07	1.0E-03	5.1E-09	1.6E-01	5.5E-03	4.4E-12	8.1E+00	1.2E-06
1.9E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12	7.3E+00	6.0E-07	1.0E-03	4.6E-09	1.6E-01	5.5E-03	3.9E-12	7.3E+00	1.2E-06
1.9E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.2E-12	6.6E+00	6.0E-07	1.0E-03	4.1E-09	1.6E-01	5.5E-03	3.5E-12	6.6E+00	1.2E-06
1.9E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.0E-12	5.9E+00	6.0E-07	1.0E-03	3.7E-09	1.6E-01	5.5E-03	3.2E-12	5.9E+00	1.2E-06
1.9E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.1E-13	5.3E+00	6.0E-07	1.0E-03	3.4E-09	1.6E-01	5.5E-03	2.9E-12	5.3E+00	1.2E-06
1.9E-07	1.0E-03	9.5E-10	1.6E-01	5.5E-03	8.2E-13	4.8E+00	6.0E-07	1.0E-03	3.0E-09	1.6E-01	5.5E-03	2.6E-12	4.8E+00	1.2E-06
1.9E-07	1.0E-03	8.6E-10	1.6E-01	5.5E-03	7.4E-13	4.4E+00	6.0E-07	1.0E-03	2.8E-09	1.6E-01	5.5E-03	2.4E-12	4.4E+00	1.2E-06
1.9E-07	1.0E-03	7.8E-10	1.6E-01	5.5E-03	6.7E-13	4.0E+00	6.0E-07	1.0E-03	2.5E-09	1.6E-01	5.5E-03	2.2E-12	4.0E+00	1.2E-06
1.9E-07	1.0E-03	7.1E-10	1.6E-01	5.5E-03	6.1E-13	3.6E+00	6.0E-07	1.0E-03	2.3E-09	1.6E-01	5.5E-03	2.0E-12	3.6E+00	1.2E-06
1.9E-07	1.0E-03	4.1E-09	1.6E-01	5.5E-03	3.5E-12	6.7E+00	6.0E-07	1.0E-03	4.2E-09	1.6E-01	5.5E-03	3.6E-12	6.7E+00	1.2E-06
1.9E-07	1.0E-03	5.4E-09	1.6E-01	5.5E-03	4.7E-12	7.7E+00	6.0E-07	1.0E-03	4.8E-09	1.6E-01	5.5E-03	4.2E-12	7.7E+00	1.2E-06
1.9E-07	1.0E-03	7.5E-09	1.6E-01	5.5E-03	6.5E-12	8.8E+00	6.0E-07	1.0E-03	5.5E-09	1.6E-01	5.5E-03	4.7E-12	8.8E+00	1.2E-06
1.9E-07	1.0E-03	1.1E-08	1.6E-01	5.5E-03	9.1E-12	1.0E+01	6.0E-07	1.0E-03	6.3E-09	1.6E-01	5.5E-03	5.4E-12	1.0E+01	1.2E-06
1.9E-07	1.0E-03	4.1E-09	1.6E-01	5.5E-03	3.5E-12	1.1E+01	6.0E-07	1.0E-03	7.0E-09	1.6E-01	5.5E-03	6.0E-12	1.1E+01	1.2E-06
1.9E-07	1.0E-03	1.8E-09	1.6E-01	5.5E-03	1.6E-12	8.0E+00	6.0E-07	1.0E-03	5.0E-09	1.6E-01	5.5E-03	4.3E-12	8.0E+00	1.2E-06
1.9E-07	1.0E-03	1.6E-09	1.6E-01	5.5E-03	1.4E-12	7.3E+00	6.0E-07	1.0E-03	4.6E-09	1.6E-01	5.5E-03	3.9E-12	7.3E+00	1.2E-06
1.9E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12	6.6E+00	6.0E-07	1.0E-03	4.1E-09	1.6E-01	5.5E-03	3.6E-12	6.6E+00	1.2E-06
1.9E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.1E-12	6.0E+00	6.0E-07	1.0E-03	3.8E-09	1.6E-01	5.5E-03	3.2E-12	6.0E+00	1.2E-06
1.9E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.6E-13	5.4E+00	6.0E-07	1.0E-03	3.4E-09	1.6E-01	5.5E-03	2.9E-12	5.4E+00	1.2E-06
1.9E-07	1.0E-03	1.0E-09	1.6E-01	5.5E-03	8.6E-13	4.9E+00	6.0E-07	1.0E-03	3.1E-09	1.6E-01	5.5E-03	2.7E-12	4.9E+00	1.2E-06
1.9E-07	1.0E-03	9.0E-10	1.6E-01	5.5E-03	7.8E-13	4.5E+00	6.0E-07	1.0E-03	2.8E-09	1.6E-01	5.5E-03	2.4E-12	4.5E+00	1.2E-06
1.9E-07	1.0E-03	8.2E-10	1.6E-01	5.5E-03	7.0E-13	4.1E+00	6.0E-07	1.0E-03	2.6E-09	1.6E-01	5.5E-03	2.2E-12	4.1E+00	1.2E-06
1.9E-07	1.0E-03	7.4E-10	1.6E-01	5.5E-03	6.4E-13	3.8E+00	6.0E-07	1.0E-03	2.4E-09	1.6E-01	5.5E-03	2.0E-12	3.8E+00	1.2E-06
1.9E-07	1.0E-03	6.8E-10	1.6E-01	5.5E-03	5.8E-13	3.4E+00	6.0E-07	1.0E-03	2.2E-09	1.6E-01	5.5E-03	1.9E-12	3.4E+00	1.2E-06
1.9E-07	1.0E-03	3.4E-09	1.6E-01	5.5E-03	2.9E-12	5.9E+00	6.0E-07	1.0E-03	3.7E-09	1.6E-01	5.5E-03	3.2E-12	5.9E+00	1.2E-06
1.9E-07	1.0E-03	4.3E-09	1.6E-01	5.5E-03	3.7E-12	6.6E+00	6.0E-07	1.0E-03	4.1E-09	1.6E-01	5.5E-03	3.6E-12	6.6E+00	1.2E-06
1.9E-07	1.0E-03	5.5E-09	1.6E-01	5.5E-03	4.7E-12	7.4E+00	6.0E-07	1.0E-03	4.6E-09	1.6E-01	5.5E-03	4.0E-12	7.4E+00	1.2E-06
1.9E-07	1.0E-03	7.1E-09	1.6E-01	5.5E-03	6.1E-12	8.3E+00	6.0E-07	1.0E-03	5.2E-09	1.6E-01	5.5E-03	4.5E-12	8.3E+00	1.2E-06
1.9E-07	1.0E-03	8.4E-09	1.6E-01	5.5E-03	7.3E-12	9.2E+00	6.0E-07	1.0E-03	5.8E-09	1.6E-01	5.5E-03	5.0E-12	9.2E+00	1.2E-06
1.9E-07	1.0E-03	1.7E-09	1.6E-01	5.5E-03	1.4E-12	7.1E+00	6.0E-07	1.0E-03	4.5E-09	1.6E-01	5.5E-03	3.9E-12	7.1E+00	1.2E-06
1.9E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12	6.6E+00	6.0E-07	1.0E-03	4.1E-09	1.6E-01	5.5E-03	3.5E-12	6.6E+00	1.2E-06
1.9E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12	6.0E+00	6.0E-07	1.0E-03	3.8E-09	1.6E-01	5.5E-03	3.2E-12	6.0E+00	1.2E-06
1.9E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.0E-12	5.5E+00	6.0E-07	1.0E-03	3.4E-09	1.6E-01	5.5E-03	3.0E-12	5.5E+00	1.2E-06
1.9E-07	1.0E-03	1.0E-09	1.6E-01	5.5E-03	9.0E-13	5.0E+00	6.0E-07	1.0E-03	3.1E-09	1.6E-01	5.5E-03	2.7E-12	5.0E+00	1.2E-06
1.9E-07	1.0E-03	9.4E-10	1.6E-01	5.5E-03	8.1E-13	4.6E+00	6.0E-07	1.0E-03	2.9E-09	1.6E-01	5.5E-03	2.5E-12	4.6E+00	1.2E-06
1.9E-07	1.0E-03	8.5E-10	1.6E-01	5.5E-03	7.3E-13	4.2E+00	6.0E-07	1.0E-03	2.6E-09	1.6E-01	5.5E-03	2.3E-12	4.2E+00	1.2E-06
1.9E-07	1.0E-03	7.7E-10	1.6E-01	5.5E-03	6.6E-13	3.8E+00	6.0E-07	1.0E-03	2.4E-09	1.6E-01	5.5E-03	2.1E-12	3.8E+00	1.2E-06
1.9E-07	1.0E-03	7.0E-10	1.6E-01	5.5E-03	6.1E-13	3.5E+00	6.0E-07	1.0E-03	2.2E-09	1.6E-01	5.5E-03	1.9E-12	3.5E+00	1.2E-06
1.9E-07	1.0E-03	6.4E-10	1.6E-01	5.5E-03	5.5E-13	3.2E+00	6.0E-07	1.0E-03	2.0E-09	1.6E-01	5.5E-03	1.7E-12	3.2E+00	1.2E-06
1.9E-07	1.0E-03	2.8E-09	1.6E-01	5.5E-03	2.4E-12	5.2E+00	6.0E-07	1.0E-03	3.2E-09	1.6E-01	5.5E-03	2.8E-12	5.2E+00	1.2E-06
1.9E-07	1.0E-03	3.4E-09	1.6E-01	5.5E-03	2.9E-12	5.8E+00	6.0E-07	1.0E-03	3.6E-09	1.6E-01	5.5E-03	3.1E-12	5.8E+00	1.2E-06
1.9E-07	1.0E-03	4.2E-09	1.6E-01	5.5E-03	3.6E-12	6.4E+00	6.0E-07	1.0E-03	4.0E-09	1.6E-01	5.5E-03	3.5E-12	6.4E+00	1.2E-06
1.9E-07	1.0E-03	5.0E-09	1.6E-01	5.5E-03	4.3E-12	7.1E+00	6.0E-07	1.0E-03	4.4E-09	1.6E-01	5.5E-03	3.8E-12	7.1E+00	1.2E-06
1.9E-07	1.0E-03	5.6E-09	1.6E-01	5.5E-03	4.8E-12	7.8E+00	6.0E-07	1.0E-03	4.9E-09	1.6E-01	5.5E-03	4.2E-12	7.8E+00	1.2E-06
1.9E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12	6.4E+00	6.0E-07	1.0E-03	4.0E-09	1.6E-01	5.5E-03	3.5E-12	6.4E+00	1.2E-06
1.9E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.2E-12	5.9E+00	6.0E-07	1.0E-03	3.7E-09	1.6E-01	5.5E-03	3.2E-12	5.9E+00	1.2E-06

1.9E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.0E-12	5.4E+00	6.0E-07	1.0E-03	3.4E-09	1.6E-01	5.5E-03	2.9E-12	5.4E+00	1.2E-06
1.9E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.2E-13	5.0E+00	6.0E-07	1.0E-03	3.1E-09	1.6E-01	5.5E-03	2.7E-12	5.0E+00	1.2E-06
1.9E-07	1.0E-03	9.6E-10	1.6E-01	5.5E-03	8.3E-13	4.6E+00	6.0E-07	1.0E-03	2.9E-09	1.6E-01	5.5E-03	2.5E-12	4.6E+00	1.2E-06
1.9E-07	1.0E-03	8.7E-10	1.6E-01	5.5E-03	7.5E-13	4.2E+00	6.0E-07	1.0E-03	2.6E-09	1.6E-01	5.5E-03	2.3E-12	4.2E+00	1.2E-06
1.9E-07	1.0E-03	7.9E-10	1.6E-01	5.5E-03	6.8E-13	3.9E+00	6.0E-07	1.0E-03	2.4E-09	1.6E-01	5.5E-03	2.1E-12	3.9E+00	1.2E-06
1.9E-07	1.0E-03	7.3E-10	1.6E-01	5.5E-03	6.3E-13	3.6E+00	6.0E-07	1.0E-03	2.3E-09	1.6E-01	5.5E-03	1.9E-12	3.6E+00	1.2E-06
1.9E-07	1.0E-03	6.6E-10	1.6E-01	5.5E-03	5.7E-13	3.3E+00	6.0E-07	1.0E-03	2.1E-09	1.6E-01	5.5E-03	1.8E-12	3.3E+00	1.2E-06
1.9E-07	1.0E-03	6.1E-10	1.6E-01	5.5E-03	5.2E-13	3.0E+00	6.0E-07	1.0E-03	1.9E-09	1.6E-01	5.5E-03	1.6E-12	3.0E+00	1.2E-06
1.9E-07	1.0E-03	2.3E-09	1.6E-01	5.5E-03	2.0E-12	4.6E+00	6.0E-07	1.0E-03	2.9E-09	1.6E-01	5.5E-03	2.5E-12	4.6E+00	1.2E-06
1.9E-07	1.0E-03	2.7E-09	1.6E-01	5.5E-03	2.3E-12	5.1E+00	6.0E-07	1.0E-03	3.2E-09	1.6E-01	5.5E-03	2.7E-12	5.1E+00	1.2E-06
1.9E-07	1.0E-03	3.2E-09	1.6E-01	5.5E-03	2.8E-12	5.6E+00	6.0E-07	1.0E-03	3.5E-09	1.6E-01	5.5E-03	3.0E-12	5.6E+00	1.2E-06
1.9E-07	1.0E-03	3.6E-09	1.6E-01	5.5E-03	3.1E-12	6.1E+00	6.0E-07	1.0E-03	3.8E-09	1.6E-01	5.5E-03	3.3E-12	6.1E+00	1.2E-06
1.9E-07	1.0E-03	4.0E-09	1.6E-01	5.5E-03	3.4E-12	6.6E+00	6.0E-07	1.0E-03	4.1E-09	1.6E-01	5.5E-03	3.6E-12	6.6E+00	1.2E-06
1.9E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12	5.7E+00	6.0E-07	1.0E-03	3.6E-09	1.6E-01	5.5E-03	3.1E-12	5.7E+00	1.2E-06
1.9E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.1E-12	5.3E+00	6.0E-07	1.0E-03	3.3E-09	1.6E-01	5.5E-03	2.9E-12	5.3E+00	1.2E-06
1.9E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.5E-13	4.9E+00	6.0E-07	1.0E-03	3.1E-09	1.6E-01	5.5E-03	2.7E-12	4.9E+00	1.2E-06
1.9E-07	1.0E-03	9.9E-10	1.6E-01	5.5E-03	8.5E-13	4.6E+00	6.0E-07	1.0E-03	2.9E-09	1.6E-01	5.5E-03	2.5E-12	4.6E+00	1.2E-06
1.9E-07	1.0E-03	8.9E-10	1.6E-01	5.5E-03	7.6E-13	4.2E+00	6.0E-07	1.0E-03	2.6E-09	1.6E-01	5.5E-03	2.3E-12	4.2E+00	1.2E-06
1.9E-07	1.0E-03	8.0E-10	1.6E-01	5.5E-03	6.9E-13	3.8E+00	6.0E-07	1.0E-03	2.4E-09	1.6E-01	5.5E-03	2.1E-12	3.8E+00	1.2E-06
1.9E-07	1.0E-03	7.3E-10	1.6E-01	5.5E-03	6.3E-13	3.6E+00	6.0E-07	1.0E-03	2.2E-09	1.6E-01	5.5E-03	1.9E-12	3.6E+00	1.2E-06
1.9E-07	1.0E-03	6.7E-10	1.6E-01	5.5E-03	5.8E-13	3.3E+00	6.0E-07	1.0E-03	2.1E-09	1.6E-01	5.5E-03	1.8E-12	3.3E+00	1.2E-06
1.9E-07	1.0E-03	6.2E-10	1.6E-01	5.5E-03	5.3E-13	3.1E+00	6.0E-07	1.0E-03	1.9E-09	1.6E-01	5.5E-03	1.7E-12	3.1E+00	1.2E-06
1.9E-07	1.0E-03	5.7E-10	1.6E-01	5.5E-03	4.9E-13	2.8E+00	6.0E-07	1.0E-03	1.8E-09	1.6E-01	5.5E-03	1.5E-12	2.8E+00	1.2E-06
1.9E-07	1.0E-03	1.9E-09	1.6E-01	5.5E-03	1.6E-12	4.1E+00	6.0E-07	1.0E-03	2.6E-09	1.6E-01	5.5E-03	2.2E-12	4.1E+00	1.2E-06
1.9E-07	1.0E-03	2.2E-09	1.6E-01	5.5E-03	1.9E-12	4.5E+00	6.0E-07	1.0E-03	2.8E-09	1.6E-01	5.5E-03	2.4E-12	4.5E+00	1.2E-06
1.9E-07	1.0E-03	2.5E-09	1.6E-01	5.5E-03	2.2E-12	4.9E+00	6.0E-07	1.0E-03	3.1E-09	1.6E-01	5.5E-03	2.7E-12	4.9E+00	1.2E-06
1.9E-07	1.0E-03	2.8E-09	1.6E-01	5.5E-03	2.4E-12	5.3E+00	6.0E-07	1.0E-03	3.3E-09	1.6E-01	5.5E-03	2.9E-12	5.3E+00	1.2E-06
1.9E-07	1.0E-03	3.0E-09	1.6E-01	5.5E-03	2.6E-12	5.7E+00	6.0E-07	1.0E-03	3.6E-09	1.6E-01	5.5E-03	3.1E-12	5.7E+00	1.2E-06
1.9E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.7E-13	4.9E+00	6.0E-07	1.0E-03	3.0E-09	1.6E-01	5.5E-03	2.6E-12	4.9E+00	1.2E-06
1.9E-07	1.0E-03	1.0E-09	1.6E-01	5.5E-03	8.8E-13	4.5E+00	6.0E-07	1.0E-03	2.8E-09	1.6E-01	5.5E-03	2.4E-12	4.5E+00	1.2E-06
1.9E-07	1.0E-03	9.2E-10	1.6E-01	5.5E-03	7.9E-13	4.2E+00	6.0E-07	1.0E-03	2.6E-09	1.6E-01	5.5E-03	2.3E-12	4.2E+00	1.2E-06
1.9E-07	1.0E-03	8.1E-10	1.6E-01	5.5E-03	6.9E-13	3.8E+00	6.0E-07	1.0E-03	2.4E-09	1.6E-01	5.5E-03	2.0E-12	3.8E+00	1.2E-06
1.9E-07	1.0E-03	7.3E-10	1.6E-01	5.5E-03	6.3E-13	3.5E+00	6.0E-07	1.0E-03	2.2E-09	1.6E-01	5.5E-03	1.9E-12	3.5E+00	1.2E-06
1.9E-07	1.0E-03	6.7E-10	1.6E-01	5.5E-03	5.8E-13	3.2E+00	6.0E-07	1.0E-03	2.0E-09	1.6E-01	5.5E-03	1.7E-12	3.2E+00	1.2E-06
1.9E-07	1.0E-03	6.2E-10	1.6E-01	5.5E-03	5.3E-13	3.0E+00	6.0E-07	1.0E-03	1.9E-09	1.6E-01	5.5E-03	1.6E-12	3.0E+00	1.2E-06
1.9E-07	1.0E-03	5.7E-10	1.6E-01	5.5E-03	4.9E-13	2.8E+00	6.0E-07	1.0E-03	1.8E-09	1.6E-01	5.5E-03	1.5E-12	2.8E+00	1.2E-06
1.9E-07	1.0E-03	5.3E-10	1.6E-01	5.5E-03	4.6E-13	2.6E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	5.5E-03	1.4E-12	2.6E+00	1.2E-06
1.9E-07	1.0E-03	1.6E-09	1.6E-01	5.5E-03	1.4E-12	3.7E+00	6.0E-07	1.0E-03	2.3E-09	1.6E-01	5.5E-03	2.0E-12	3.7E+00	1.2E-06
1.9E-07	1.0E-03	1.8E-09	1.6E-01	5.5E-03	1.6E-12	4.0E+00	6.0E-07	1.0E-03	2.5E-09	1.6E-01	5.5E-03	2.2E-12	4.0E+00	1.2E-06
1.9E-07	1.0E-03	2.0E-09	1.6E-01	5.5E-03	1.8E-12	4.3E+00	6.0E-07	1.0E-03	2.7E-09	1.6E-01	5.5E-03	2.3E-12	4.3E+00	1.2E-06
1.9E-07	1.0E-03	2.2E-09	1.6E-01	5.5E-03	1.9E-12	4.7E+00	6.0E-07	1.0E-03	2.9E-09	1.6E-01	5.5E-03	2.5E-12	4.7E+00	1.2E-06
1.9E-07	1.0E-03	2.4E-09	1.6E-01	5.5E-03	2.0E-12	5.0E+00	6.0E-07	1.0E-03	3.1E-09	1.6E-01	5.5E-03	2.7E-12	5.0E+00	1.2E-06
1.9E-07	1.0E-03	9.5E-10	1.6E-01	5.5E-03	8.2E-13	4.2E+00	6.0E-07	1.0E-03	2.6E-09	1.6E-01	5.5E-03	2.3E-12	4.2E+00	1.2E-06
1.9E-07	1.0E-03	8.6E-10	1.6E-01	5.5E-03	7.4E-13	3.9E+00	6.0E-07	1.0E-03	2.4E-09	1.6E-01	5.5E-03	2.1E-12	3.9E+00	1.2E-06
1.9E-07	1.0E-03	7.8E-10	1.6E-01	5.5E-03	6.7E-13	3.6E+00	6.0E-07	1.0E-03	2.2E-09	1.6E-01	5.5E-03	1.9E-12	3.6E+00	1.2E-06
1.9E-07	1.0E-03	7.1E-10	1.6E-01	5.5E-03	6.1E-13	3.3E+00	6.0E-07	1.0E-03	2.1E-09	1.6E-01	5.5E-03	1.8E-12	3.3E+00	1.2E-06
1.9E-07	1.0E-03	6.5E-10	1.6E-01	5.5E-03	5.6E-13	3.1E+00	6.0E-07	1.0E-03	1.9E-09	1.6E-01	5.5E-03	1.7E-12	3.1E+00	1.2E-06
1.9E-07	1.0E-03	5.9E-10	1.6E-01	5.5E-03	5.1E-13	2.9E+00	6.0E-07	1.0E-03	1.8E-09	1.6E-01	5.5E-03	1.6E-12	2.9E+00	1.2E-06
1.9E-07	1.0E-03	5.4E-10	1.6E-01	5.5E-03	4.7E-13	2.7E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	5.5E-03	1.4E-12	2.7E+00	1.2E-06

1.9E-07	1.0E-03	5.0E-10	1.6E-01	5.5E-03	4.3E-13	2.5E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12	2.5E+00	1.2E-06
1.9E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12	3.3E+00	6.0E-07	1.0E-03	2.1E-09	1.6E-01	5.5E-03	1.8E-12	3.3E+00	1.2E-06
1.9E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12	3.6E+00	6.0E-07	1.0E-03	2.3E-09	1.6E-01	5.5E-03	1.9E-12	3.6E+00	1.2E-06
1.9E-07	1.0E-03	1.7E-09	1.6E-01	5.5E-03	1.5E-12	3.9E+00	6.0E-07	1.0E-03	2.4E-09	1.6E-01	5.5E-03	2.1E-12	3.9E+00	1.2E-06
1.9E-07	1.0E-03	1.8E-09	1.6E-01	5.5E-03	1.6E-12	4.1E+00	6.0E-07	1.0E-03	2.6E-09	1.6E-01	5.5E-03	2.2E-12	4.1E+00	1.2E-06
1.9E-07	1.0E-03	1.9E-09	1.6E-01	5.5E-03	1.7E-12	4.4E+00	6.0E-07	1.0E-03	2.8E-09	1.6E-01	5.5E-03	2.4E-12	4.4E+00	1.2E-06
1.9E-07	1.0E-03	8.1E-10	1.6E-01	5.5E-03	7.0E-13	3.6E+00	6.0E-07	1.0E-03	2.3E-09	1.6E-01	5.5E-03	2.0E-12	3.6E+00	1.2E-06
1.9E-07	1.0E-03	7.5E-10	1.6E-01	5.5E-03	6.5E-13	3.4E+00	6.0E-07	1.0E-03	2.1E-09	1.6E-01	5.5E-03	1.9E-12	3.4E+00	1.2E-06
1.9E-07	1.0E-03	6.9E-10	1.6E-01	5.5E-03	6.0E-13	3.2E+00	6.0E-07	1.0E-03	2.0E-09	1.6E-01	5.5E-03	1.7E-12	3.2E+00	1.2E-06
1.9E-07	1.0E-03	6.3E-10	1.6E-01	5.5E-03	5.4E-13	3.0E+00	6.0E-07	1.0E-03	1.9E-09	1.6E-01	5.5E-03	1.6E-12	3.0E+00	1.2E-06
1.9E-07	1.0E-03	5.8E-10	1.6E-01	5.5E-03	5.0E-13	2.8E+00	6.0E-07	1.0E-03	1.8E-09	1.6E-01	5.5E-03	1.5E-12	2.8E+00	1.2E-06
1.9E-07	1.0E-03	5.3E-10	1.6E-01	5.5E-03	4.6E-13	2.6E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	5.5E-03	1.4E-12	2.6E+00	1.2E-06
1.9E-07	1.0E-03	4.8E-10	1.6E-01	5.5E-03	4.2E-13	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12	2.4E+00	1.2E-06
1.9E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.0E-12	3.0E+00	6.0E-07	1.0E-03	1.9E-09	1.6E-01	5.5E-03	1.6E-12	3.0E+00	1.2E-06
1.9E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12	3.3E+00	6.0E-07	1.0E-03	2.0E-09	1.6E-01	5.5E-03	1.8E-12	3.3E+00	1.2E-06
1.9E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12	3.5E+00	6.0E-07	1.0E-03	2.2E-09	1.6E-01	5.5E-03	1.9E-12	3.5E+00	1.2E-06
1.9E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12	3.7E+00	6.0E-07	1.0E-03	2.3E-09	1.6E-01	5.5E-03	2.0E-12	3.7E+00	1.2E-06
1.9E-07	1.0E-03	1.6E-09	1.6E-01	5.5E-03	1.4E-12	3.9E+00	6.0E-07	1.0E-03	2.4E-09	1.6E-01	5.5E-03	2.1E-12	3.9E+00	1.2E-06
1.9E-07	1.0E-03	7.1E-10	1.6E-01	5.5E-03	6.1E-13	3.2E+00	6.0E-07	1.0E-03	2.0E-09	1.6E-01	5.5E-03	1.7E-12	3.2E+00	1.2E-06
1.9E-07	1.0E-03	6.5E-10	1.6E-01	5.5E-03	5.6E-13	3.0E+00	6.0E-07	1.0E-03	1.9E-09	1.6E-01	5.5E-03	1.6E-12	3.0E+00	1.2E-06
1.9E-07	1.0E-03	6.0E-10	1.6E-01	5.5E-03	5.2E-13	2.8E+00	6.0E-07	1.0E-03	1.8E-09	1.6E-01	5.5E-03	1.5E-12	2.8E+00	1.2E-06
1.9E-07	1.0E-03	5.6E-10	1.6E-01	5.5E-03	4.8E-13	2.7E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	5.5E-03	1.4E-12	2.7E+00	1.2E-06
1.9E-07	1.0E-03	5.1E-10	1.6E-01	5.5E-03	4.4E-13	2.5E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	5.5E-03	1.3E-12	2.5E+00	1.2E-06
1.9E-07	1.0E-03	4.7E-10	1.6E-01	5.5E-03	4.1E-13	2.3E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.2E-12	2.3E+00	1.2E-06
1.9E-07	1.0E-03	1.0E-09	1.6E-01	5.5E-03	8.9E-13	2.7E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	5.5E-03	1.5E-12	2.7E+00	1.2E-06
1.9E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.7E-13	2.9E+00	6.0E-07	1.0E-03	1.8E-09	1.6E-01	5.5E-03	1.6E-12	2.9E+00	1.2E-06
1.9E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.0E-12	3.1E+00	6.0E-07	1.0E-03	2.0E-09	1.6E-01	5.5E-03	1.7E-12	3.1E+00	1.2E-06
1.9E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12	3.3E+00	6.0E-07	1.0E-03	2.1E-09	1.6E-01	5.5E-03	1.8E-12	3.3E+00	1.2E-06
1.9E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.2E-12	3.5E+00	6.0E-07	1.0E-03	2.2E-09	1.6E-01	5.5E-03	1.9E-12	3.5E+00	1.2E-06
1.9E-07	1.0E-03	6.6E-10	1.6E-01	5.5E-03	5.7E-13	3.0E+00	6.0E-07	1.0E-03	1.9E-09	1.6E-01	5.5E-03	1.6E-12	3.0E+00	1.2E-06
1.9E-07	1.0E-03	6.2E-10	1.6E-01	5.5E-03	5.3E-13	2.8E+00	6.0E-07	1.0E-03	1.8E-09	1.6E-01	5.5E-03	1.5E-12	2.8E+00	1.2E-06
1.9E-07	1.0E-03	5.7E-10	1.6E-01	5.5E-03	4.9E-13	2.7E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	5.5E-03	1.4E-12	2.7E+00	1.2E-06
1.9E-07	1.0E-03	5.3E-10	1.6E-01	5.5E-03	4.6E-13	2.5E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	5.5E-03	1.4E-12	2.5E+00	1.2E-06
1.9E-07	1.0E-03	4.9E-10	1.6E-01	5.5E-03	4.2E-13	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12	2.4E+00	1.2E-06
1.9E-07	1.0E-03	4.5E-10	1.6E-01	5.5E-03	3.9E-13	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12	2.2E+00	1.2E-06
1.9E-07	1.0E-03	9.1E-10	1.6E-01	5.5E-03	7.8E-13	2.5E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	5.5E-03	1.4E-12	2.5E+00	1.2E-06
1.9E-07	1.0E-03	9.8E-10	1.6E-01	5.5E-03	8.4E-13	2.7E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	5.5E-03	1.4E-12	2.7E+00	1.2E-06
1.9E-07	1.0E-03	1.0E-09	1.6E-01	5.5E-03	9.0E-13	2.8E+00	6.0E-07	1.0E-03	1.8E-09	1.6E-01	5.5E-03	1.5E-12	2.8E+00	1.2E-06
1.9E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.5E-13	3.0E+00	6.0E-07	1.0E-03	1.9E-09	1.6E-01	5.5E-03	1.6E-12	3.0E+00	1.2E-06
1.9E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	9.9E-13	3.1E+00	6.0E-07	1.0E-03	2.0E-09	1.6E-01	5.5E-03	1.7E-12	3.1E+00	1.2E-06
1.9E-07	1.0E-03	6.2E-10	1.6E-01	5.5E-03	5.4E-13	2.8E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	5.5E-03	1.5E-12	2.8E+00	1.2E-06
1.9E-07	1.0E-03	5.8E-10	1.6E-01	5.5E-03	5.0E-13	2.6E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	5.5E-03	1.4E-12	2.6E+00	1.2E-06
1.9E-07	1.0E-03	5.4E-10	1.6E-01	5.5E-03	4.7E-13	2.5E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	5.5E-03	1.4E-12	2.5E+00	1.2E-06
1.9E-07	1.0E-03	5.0E-10	1.6E-01	5.5E-03	4.3E-13	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12	2.4E+00	1.2E-06
1.9E-07	1.0E-03	4.7E-10	1.6E-01	5.5E-03	4.1E-13	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12	2.2E+00	1.2E-06
1.9E-07	1.0E-03	4.4E-10	1.6E-01	5.5E-03	3.8E-13	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12	2.1E+00	1.2E-06
1.9E-07	1.0E-03	8.1E-10	1.6E-01	5.5E-03	6.9E-13	2.3E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12	2.3E+00	1.2E-06
1.9E-07	1.0E-03	8.6E-10	1.6E-01	5.5E-03	7.4E-13	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12	2.4E+00	1.2E-06
1.9E-07	1.0E-03	9.1E-10	1.6E-01	5.5E-03	7.9E-13	2.6E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	5.5E-03	1.4E-12	2.6E+00	1.2E-06

1.9E-07	1.0E-03	9.6E-10	1.6E-01	5.5E-03	8.3E-13	2.7E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	5.5E-03	1.5E-12	2.7E+00	1.2E-06
1.9E-07	1.0E-03	1.0E-09	1.6E-01	5.5E-03	8.6E-13	2.8E+00	6.0E-07	1.0E-03	1.8E-09	1.6E-01	5.5E-03	1.5E-12	2.8E+00	1.2E-06
1.9E-07	1.0E-03	5.9E-10	1.6E-01	5.5E-03	5.1E-13	2.6E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	5.5E-03	1.4E-12	2.6E+00	1.2E-06
1.9E-07	1.0E-03	5.5E-10	1.6E-01	5.5E-03	4.7E-13	2.5E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	5.5E-03	1.3E-12	2.5E+00	1.2E-06
1.9E-07	1.0E-03	5.1E-10	1.6E-01	5.5E-03	4.4E-13	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12	2.4E+00	1.2E-06
1.9E-07	1.0E-03	4.8E-10	1.6E-01	5.5E-03	4.1E-13	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12	2.2E+00	1.2E-06
1.9E-07	1.0E-03	4.5E-10	1.6E-01	5.5E-03	3.9E-13	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.2E-12	2.1E+00	1.2E-06
1.9E-07	1.0E-03	4.2E-10	1.6E-01	5.5E-03	3.6E-13	2.0E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12	2.0E+00	1.2E-06
1.9E-07	1.0E-03	7.2E-10	1.6E-01	5.5E-03	6.2E-13	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12	2.1E+00	1.2E-06
1.9E-07	1.0E-03	7.6E-10	1.6E-01	5.5E-03	6.6E-13	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12	2.2E+00	1.2E-06
1.9E-07	1.0E-03	8.1E-10	1.6E-01	5.5E-03	6.9E-13	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12	2.4E+00	1.2E-06
1.9E-07	1.0E-03	8.5E-10	1.6E-01	5.5E-03	7.3E-13	2.5E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	5.5E-03	1.3E-12	2.5E+00	1.2E-06
1.9E-07	1.0E-03	8.8E-10	1.6E-01	5.5E-03	7.6E-13	2.6E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	5.5E-03	1.4E-12	2.6E+00	1.2E-06
1.9E-07	1.0E-03	5.5E-10	1.6E-01	5.5E-03	4.8E-13	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12	2.4E+00	1.2E-06
1.9E-07	1.0E-03	5.2E-10	1.6E-01	5.5E-03	4.5E-13	2.3E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12	2.3E+00	1.2E-06
1.9E-07	1.0E-03	4.9E-10	1.6E-01	5.5E-03	4.2E-13	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12	2.2E+00	1.2E-06
1.9E-07	1.0E-03	4.6E-10	1.6E-01	5.5E-03	3.9E-13	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12	2.1E+00	1.2E-06
1.9E-07	1.0E-03	4.3E-10	1.6E-01	5.5E-03	3.7E-13	2.0E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12	2.0E+00	1.2E-06
1.9E-07	1.0E-03	4.0E-10	1.6E-01	5.5E-03	3.5E-13	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.0E-12	1.9E+00	1.2E-06
1.9E-07	1.0E-03	6.4E-10	1.6E-01	5.5E-03	5.5E-13	2.0E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.1E-12	2.0E+00	1.2E-06
1.9E-07	1.0E-03	6.8E-10	1.6E-01	5.5E-03	5.9E-13	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12	2.1E+00	1.2E-06
1.9E-07	1.0E-03	7.2E-10	1.6E-01	5.5E-03	6.2E-13	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12	2.2E+00	1.2E-06
1.9E-07	1.0E-03	7.5E-10	1.6E-01	5.5E-03	6.5E-13	2.3E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12	2.3E+00	1.2E-06
1.9E-07	1.0E-03	7.8E-10	1.6E-01	5.5E-03	6.7E-13	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12	2.4E+00	1.2E-06
1.9E-07	1.0E-03	8.0E-10	1.6E-01	5.5E-03	6.9E-13	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12	2.4E+00	1.2E-06
1.9E-07	1.0E-03	8.1E-10	1.6E-01	5.5E-03	7.0E-13	2.5E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	5.5E-03	1.4E-12	2.5E+00	1.2E-06
1.9E-07	1.0E-03	8.2E-10	1.6E-01	5.5E-03	7.1E-13	2.6E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	5.5E-03	1.4E-12	2.6E+00	1.2E-06
1.9E-07	1.0E-03	8.2E-10	1.6E-01	5.5E-03	7.1E-13	2.6E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	5.5E-03	1.4E-12	2.6E+00	1.2E-06
1.9E-07	1.0E-03	8.2E-10	1.6E-01	5.5E-03	7.0E-13	2.7E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	5.5E-03	1.4E-12	2.7E+00	1.2E-06
1.9E-07	1.0E-03	8.0E-10	1.6E-01	5.5E-03	6.9E-13	2.7E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	5.5E-03	1.5E-12	2.7E+00	1.2E-06
1.9E-07	1.0E-03	7.8E-10	1.6E-01	5.5E-03	6.8E-13	2.7E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	5.5E-03	1.5E-12	2.7E+00	1.2E-06
1.9E-07	1.0E-03	7.6E-10	1.6E-01	5.5E-03	6.6E-13	2.7E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	5.5E-03	1.5E-12	2.7E+00	1.2E-06
1.9E-07	1.0E-03	7.4E-10	1.6E-01	5.5E-03	6.3E-13	2.7E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	5.5E-03	1.5E-12	2.7E+00	1.2E-06
1.9E-07	1.0E-03	7.1E-10	1.6E-01	5.5E-03	6.1E-13	2.7E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	5.5E-03	1.4E-12	2.7E+00	1.2E-06
1.9E-07	1.0E-03	6.8E-10	1.6E-01	5.5E-03	5.8E-13	2.6E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	5.5E-03	1.4E-12	2.6E+00	1.2E-06
1.9E-07	1.0E-03	6.5E-10	1.6E-01	5.5E-03	5.6E-13	2.6E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	5.5E-03	1.4E-12	2.6E+00	1.2E-06
1.9E-07	1.0E-03	6.1E-10	1.6E-01	5.5E-03	5.3E-13	2.5E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	5.5E-03	1.3E-12	2.5E+00	1.2E-06
1.9E-07	1.0E-03	5.8E-10	1.6E-01	5.5E-03	5.0E-13	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12	2.4E+00	1.2E-06
1.9E-07	1.0E-03	5.5E-10	1.6E-01	5.5E-03	4.7E-13	2.3E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12	2.3E+00	1.2E-06
1.9E-07	1.0E-03	5.2E-10	1.6E-01	5.5E-03	4.5E-13	2.3E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12	2.3E+00	1.2E-06
1.9E-07	1.0E-03	4.9E-10	1.6E-01	5.5E-03	4.2E-13	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12	2.2E+00	1.2E-06
1.9E-07	1.0E-03	4.6E-10	1.6E-01	5.5E-03	4.0E-13	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12	2.1E+00	1.2E-06
1.9E-07	1.0E-03	4.4E-10	1.6E-01	5.5E-03	3.8E-13	2.0E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12	2.0E+00	1.2E-06
1.9E-07	1.0E-03	4.1E-10	1.6E-01	5.5E-03	3.5E-13	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.0E-12	1.9E+00	1.2E-06
1.9E-07	1.0E-03	3.9E-10	1.6E-01	5.5E-03	3.3E-13	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.9E-13	1.8E+00	1.2E-06
1.9E-07	1.0E-03	5.8E-10	1.6E-01	5.5E-03	5.0E-13	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.8E-13	1.8E+00	1.2E-06
1.9E-07	1.0E-03	6.1E-10	1.6E-01	5.5E-03	5.3E-13	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.0E-12	1.9E+00	1.2E-06
1.9E-07	1.0E-03	6.4E-10	1.6E-01	5.5E-03	5.5E-13	2.0E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12	2.0E+00	1.2E-06
1.9E-07	1.0E-03	6.7E-10	1.6E-01	5.5E-03	5.8E-13	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12	2.1E+00	1.2E-06

1.9E-07	1.0E-03	6.9E-10	1.6E-01	5.5E-03	6.0E-13	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12	2.2E+00	1.2E-06
1.9E-07	1.0E-03	7.1E-10	1.6E-01	5.5E-03	6.1E-13	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12	2.2E+00	1.2E-06
1.9E-07	1.0E-03	7.3E-10	1.6E-01	5.5E-03	6.3E-13	2.3E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12	2.3E+00	1.2E-06
1.9E-07	1.0E-03	7.4E-10	1.6E-01	5.5E-03	6.3E-13	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12	2.4E+00	1.2E-06
1.9E-07	1.0E-03	7.4E-10	1.6E-01	5.5E-03	6.3E-13	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12	2.4E+00	1.2E-06
1.9E-07	1.0E-03	7.3E-10	1.6E-01	5.5E-03	6.3E-13	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12	2.4E+00	1.2E-06
1.9E-07	1.0E-03	7.2E-10	1.6E-01	5.5E-03	6.2E-13	2.5E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	5.5E-03	1.3E-12	2.5E+00	1.2E-06
1.9E-07	1.0E-03	7.1E-10	1.6E-01	5.5E-03	6.1E-13	2.5E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	5.5E-03	1.3E-12	2.5E+00	1.2E-06
1.9E-07	1.0E-03	6.9E-10	1.6E-01	5.5E-03	6.0E-13	2.5E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	5.5E-03	1.3E-12	2.5E+00	1.2E-06
1.9E-07	1.0E-03	6.7E-10	1.6E-01	5.5E-03	5.8E-13	2.5E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12	2.5E+00	1.2E-06
1.9E-07	1.0E-03	6.5E-10	1.6E-01	5.5E-03	5.6E-13	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12	2.4E+00	1.2E-06
1.9E-07	1.0E-03	6.3E-10	1.6E-01	5.5E-03	5.4E-13	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12	2.4E+00	1.2E-06
1.9E-07	1.0E-03	6.0E-10	1.6E-01	5.5E-03	5.2E-13	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12	2.4E+00	1.2E-06
1.9E-07	1.0E-03	5.7E-10	1.6E-01	5.5E-03	4.9E-13	2.3E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12	2.3E+00	1.2E-06
1.9E-07	1.0E-03	5.5E-10	1.6E-01	5.5E-03	4.7E-13	2.3E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12	2.3E+00	1.2E-06
1.9E-07	1.0E-03	5.2E-10	1.6E-01	5.5E-03	4.5E-13	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12	2.2E+00	1.2E-06
1.9E-07	1.0E-03	4.9E-10	1.6E-01	5.5E-03	4.2E-13	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12	2.1E+00	1.2E-06
1.9E-07	1.0E-03	4.6E-10	1.6E-01	5.5E-03	4.0E-13	2.0E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12	2.0E+00	1.2E-06
1.9E-07	1.0E-03	4.4E-10	1.6E-01	5.5E-03	3.8E-13	2.0E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.1E-12	2.0E+00	1.2E-06
1.9E-07	1.0E-03	4.2E-10	1.6E-01	5.5E-03	3.6E-13	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.0E-12	1.9E+00	1.2E-06
1.9E-07	1.0E-03	3.9E-10	1.6E-01	5.5E-03	3.4E-13	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.8E-13	1.8E+00	1.2E-06
1.9E-07	1.0E-03	3.7E-10	1.6E-01	5.5E-03	3.2E-13	1.7E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.4E-13	1.7E+00	1.2E-06
1.9E-07	1.0E-03	5.3E-10	1.6E-01	5.5E-03	4.5E-13	1.7E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.1E-13	1.7E+00	1.2E-06
1.9E-07	1.0E-03	5.5E-10	1.6E-01	5.5E-03	4.8E-13	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.5E-13	1.8E+00	1.2E-06
1.9E-07	1.0E-03	5.8E-10	1.6E-01	5.5E-03	5.0E-13	1.8E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.0E-12	1.8E+00	1.2E-06
1.9E-07	1.0E-03	6.0E-10	1.6E-01	5.5E-03	5.2E-13	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.0E-12	1.9E+00	1.2E-06
1.9E-07	1.0E-03	6.2E-10	1.6E-01	5.5E-03	5.4E-13	2.0E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.1E-12	2.0E+00	1.2E-06
1.9E-07	1.0E-03	6.4E-10	1.6E-01	5.5E-03	5.5E-13	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12	2.1E+00	1.2E-06
1.9E-07	1.0E-03	6.5E-10	1.6E-01	5.5E-03	5.6E-13	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12	2.1E+00	1.2E-06
1.9E-07	1.0E-03	6.6E-10	1.6E-01	5.5E-03	5.7E-13	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12	2.2E+00	1.2E-06
1.9E-07	1.0E-03	6.6E-10	1.6E-01	5.5E-03	5.7E-13	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12	2.2E+00	1.2E-06
1.9E-07	1.0E-03	6.6E-10	1.6E-01	5.5E-03	5.7E-13	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12	2.2E+00	1.2E-06
1.9E-07	1.0E-03	6.6E-10	1.6E-01	5.5E-03	5.7E-13	2.3E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12	2.3E+00	1.2E-06
1.9E-07	1.0E-03	6.5E-10	1.6E-01	5.5E-03	5.6E-13	2.3E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12	2.3E+00	1.2E-06
1.9E-07	1.0E-03	6.3E-10	1.6E-01	5.5E-03	5.4E-13	2.3E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12	2.3E+00	1.2E-06
1.9E-07	1.0E-03	6.2E-10	1.6E-01	5.5E-03	5.3E-13	2.3E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12	2.3E+00	1.2E-06
1.9E-07	1.0E-03	6.0E-10	1.6E-01	5.5E-03	5.2E-13	2.3E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12	2.3E+00	1.2E-06
1.9E-07	1.0E-03	5.8E-10	1.6E-01	5.5E-03	5.0E-13	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12	2.2E+00	1.2E-06
1.9E-07	1.0E-03	5.6E-10	1.6E-01	5.5E-03	4.8E-13	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12	2.2E+00	1.2E-06
1.9E-07	1.0E-03	5.3E-10	1.6E-01	5.5E-03	4.6E-13	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12	2.2E+00	1.2E-06
1.9E-07	1.0E-03	5.1E-10	1.6E-01	5.5E-03	4.4E-13	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12	2.1E+00	1.2E-06
1.9E-07	1.0E-03	4.9E-10	1.6E-01	5.5E-03	4.2E-13	2.0E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12	2.0E+00	1.2E-06
1.9E-07	1.0E-03	4.6E-10	1.6E-01	5.5E-03	4.0E-13	2.0E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.1E-12	2.0E+00	1.2E-06
1.9E-07	1.0E-03	4.4E-10	1.6E-01	5.5E-03	3.8E-13	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.0E-12	1.9E+00	1.2E-06
1.9E-07	1.0E-03	4.2E-10	1.6E-01	5.5E-03	3.6E-13	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.0E-12	1.9E+00	1.2E-06
1.9E-07	1.0E-03	4.0E-10	1.6E-01	5.5E-03	3.4E-13	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.7E-13	1.8E+00	1.2E-06
1.9E-07	1.0E-03	3.7E-10	1.6E-01	5.5E-03	3.2E-13	1.7E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.3E-13	1.7E+00	1.2E-06
1.9E-07	1.0E-03	3.5E-10	1.6E-01	5.5E-03	3.1E-13	1.7E+00	6.0E-07	1.0E-03	1.0E-09	1.6E-01	5.5E-03	8.9E-13	1.7E+00	1.2E-06
1.9E-07	1.0E-03	4.8E-10	1.6E-01	5.5E-03	4.1E-13	1.6E+00	6.0E-07	1.0E-03	9.8E-10	1.6E-01	5.5E-03	8.5E-13	1.6E+00	1.2E-06

1.9E-07	1.0E-03	5.0E-10	1.6E-01	5.5E-03	4.3E-13	1.6E+00	6.0E-07	1.0E-03	1.0E-09	1.6E-01	5.5E-03	8.9E-13	1.6E+00	1.2E-06
1.9E-07	1.0E-03	5.3E-10	1.6E-01	5.5E-03	4.5E-13	1.7E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.2E-13	1.7E+00	1.2E-06
1.9E-07	1.0E-03	5.5E-10	1.6E-01	5.5E-03	4.7E-13	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.6E-13	1.8E+00	1.2E-06
1.9E-07	1.0E-03	5.6E-10	1.6E-01	5.5E-03	4.9E-13	1.8E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	9.9E-13	1.8E+00	1.2E-06
1.9E-07	1.0E-03	5.8E-10	1.6E-01	5.5E-03	5.0E-13	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.0E-12	1.9E+00	1.2E-06
1.9E-07	1.0E-03	5.9E-10	1.6E-01	5.5E-03	5.1E-13	2.0E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.1E-12	2.0E+00	1.2E-06
1.9E-07	1.0E-03	6.0E-10	1.6E-01	5.5E-03	5.1E-13	2.0E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12	2.0E+00	1.2E-06
1.9E-07	1.0E-03	6.0E-10	1.6E-01	5.5E-03	5.2E-13	2.0E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12	2.0E+00	1.2E-06
1.9E-07	1.0E-03	6.0E-10	1.6E-01	5.5E-03	5.2E-13	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12	2.1E+00	1.2E-06
1.9E-07	1.0E-03	6.0E-10	1.6E-01	5.5E-03	5.1E-13	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12	2.1E+00	1.2E-06
1.9E-07	1.0E-03	5.9E-10	1.6E-01	5.5E-03	5.1E-13	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12	2.1E+00	1.2E-06
1.9E-07	1.0E-03	5.8E-10	1.6E-01	5.5E-03	5.0E-13	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12	2.1E+00	1.2E-06
1.9E-07	1.0E-03	5.7E-10	1.6E-01	5.5E-03	4.9E-13	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12	2.1E+00	1.2E-06
1.9E-07	1.0E-03	5.5E-10	1.6E-01	5.5E-03	4.8E-13	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12	2.1E+00	1.2E-06
1.9E-07	1.0E-03	5.3E-10	1.6E-01	5.5E-03	4.6E-13	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12	2.1E+00	1.2E-06
1.9E-07	1.0E-03	5.2E-10	1.6E-01	5.5E-03	4.4E-13	2.0E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12	2.0E+00	1.2E-06
1.9E-07	1.0E-03	5.0E-10	1.6E-01	5.5E-03	4.3E-13	2.0E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12	2.0E+00	1.2E-06
1.9E-07	1.0E-03	4.8E-10	1.6E-01	5.5E-03	4.1E-13	2.0E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.1E-12	2.0E+00	1.2E-06
1.9E-07	1.0E-03	4.6E-10	1.6E-01	5.5E-03	3.9E-13	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.0E-12	1.9E+00	1.2E-06
1.9E-07	1.0E-03	4.3E-10	1.6E-01	5.5E-03	3.7E-13	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.0E-12	1.9E+00	1.2E-06
1.9E-07	1.0E-03	4.1E-10	1.6E-01	5.5E-03	3.6E-13	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.8E-13	1.8E+00	1.2E-06
1.9E-07	1.0E-03	4.0E-10	1.6E-01	5.5E-03	3.4E-13	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.5E-13	1.8E+00	1.2E-06
1.9E-07	1.0E-03	3.8E-10	1.6E-01	5.5E-03	3.2E-13	1.7E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.2E-13	1.7E+00	1.2E-06
1.9E-07	1.0E-03	3.6E-10	1.6E-01	5.5E-03	3.1E-13	1.6E+00	6.0E-07	1.0E-03	1.0E-09	1.6E-01	5.5E-03	8.8E-13	1.6E+00	1.2E-06
1.9E-07	1.0E-03	3.4E-10	1.6E-01	5.5E-03	2.9E-13	1.6E+00	6.0E-07	1.0E-03	9.9E-10	1.6E-01	5.5E-03	8.5E-13	1.6E+00	1.2E-06
1.9E-07	1.0E-03	4.4E-10	1.6E-01	5.5E-03	3.8E-13	1.5E+00	6.0E-07	1.0E-03	9.2E-10	1.6E-01	5.5E-03	7.9E-13	1.5E+00	1.2E-06
1.9E-07	1.0E-03	4.6E-10	1.6E-01	5.5E-03	4.0E-13	1.5E+00	6.0E-07	1.0E-03	9.6E-10	1.6E-01	5.5E-03	8.3E-13	1.5E+00	1.2E-06
1.9E-07	1.0E-03	4.8E-10	1.6E-01	5.5E-03	4.1E-13	1.6E+00	6.0E-07	1.0E-03	1.0E-09	1.6E-01	5.5E-03	8.6E-13	1.6E+00	1.2E-06
1.9E-07	1.0E-03	5.0E-10	1.6E-01	5.5E-03	4.3E-13	1.6E+00	6.0E-07	1.0E-03	1.0E-09	1.6E-01	5.5E-03	8.9E-13	1.6E+00	1.2E-06
1.9E-07	1.0E-03	5.1E-10	1.6E-01	5.5E-03	4.4E-13	1.7E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.2E-13	1.7E+00	1.2E-06
1.9E-07	1.0E-03	5.3E-10	1.6E-01	5.5E-03	4.5E-13	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.5E-13	1.8E+00	1.2E-06
1.9E-07	1.0E-03	5.4E-10	1.6E-01	5.5E-03	4.6E-13	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.8E-13	1.8E+00	1.2E-06
1.9E-07	1.0E-03	5.4E-10	1.6E-01	5.5E-03	4.7E-13	1.8E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.0E-12	1.8E+00	1.2E-06
1.9E-07	1.0E-03	5.5E-10	1.6E-01	5.5E-03	4.7E-13	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.0E-12	1.9E+00	1.2E-06
1.9E-07	1.0E-03	5.5E-10	1.6E-01	5.5E-03	4.7E-13	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.0E-12	1.9E+00	1.2E-06
1.9E-07	1.0E-03	5.5E-10	1.6E-01	5.5E-03	4.7E-13	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.0E-12	1.9E+00	1.2E-06
1.9E-07	1.0E-03	5.4E-10	1.6E-01	5.5E-03	4.6E-13	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.1E-12	1.9E+00	1.2E-06
1.9E-07	1.0E-03	5.3E-10	1.6E-01	5.5E-03	4.6E-13	2.0E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.1E-12	2.0E+00	1.2E-06
1.9E-07	1.0E-03	5.2E-10	1.6E-01	5.5E-03	4.5E-13	2.0E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.1E-12	2.0E+00	1.2E-06
1.9E-07	1.0E-03	5.1E-10	1.6E-01	5.5E-03	4.4E-13	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.1E-12	1.9E+00	1.2E-06
1.9E-07	1.0E-03	5.0E-10	1.6E-01	5.5E-03	4.3E-13	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.0E-12	1.9E+00	1.2E-06
1.9E-07	1.0E-03	4.8E-10	1.6E-01	5.5E-03	4.1E-13	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.0E-12	1.9E+00	1.2E-06
1.9E-07	1.0E-03	4.6E-10	1.6E-01	5.5E-03	4.0E-13	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.0E-12	1.9E+00	1.2E-06
1.9E-07	1.0E-03	4.5E-10	1.6E-01	5.5E-03	3.8E-13	1.8E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	9.9E-13	1.8E+00	1.2E-06
1.9E-07	1.0E-03	4.3E-10	1.6E-01	5.5E-03	3.7E-13	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.7E-13	1.8E+00	1.2E-06
1.9E-07	1.0E-03	4.1E-10	1.6E-01	5.5E-03	3.5E-13	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.5E-13	1.8E+00	1.2E-06
1.9E-07	1.0E-03	3.9E-10	1.6E-01	5.5E-03	3.4E-13	1.7E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.2E-13	1.7E+00	1.2E-06
1.9E-07	1.0E-03	3.7E-10	1.6E-01	5.5E-03	3.2E-13	1.7E+00	6.0E-07	1.0E-03	1.0E-09	1.6E-01	5.5E-03	8.9E-13	1.7E+00	1.2E-06
1.9E-07	1.0E-03	3.6E-10	1.6E-01	5.5E-03	3.1E-13	1.6E+00	6.0E-07	1.0E-03	1.0E-09	1.6E-01	5.5E-03	8.7E-13	1.6E+00	1.2E-06

1.9E-07	1.0E-03	3.4E-10	1.6E-01	5.5E-03	2.9E-13	1.6E+00	6.0E-07	1.0E-03	9.7E-10	1.6E-01	5.5E-03	8.4E-13	1.6E+00	1.2E-06
1.9E-07	1.0E-03	3.2E-10	1.6E-01	5.5E-03	2.8E-13	1.5E+00	6.0E-07	1.0E-03	9.4E-10	1.6E-01	5.5E-03	8.1E-13	1.5E+00	1.2E-06
1.9E-07	1.0E-03	4.0E-10	1.6E-01	5.5E-03	3.5E-13	1.4E+00	6.0E-07	1.0E-03	8.6E-10	1.6E-01	5.5E-03	7.4E-13	1.4E+00	1.2E-06
1.9E-07	1.0E-03	4.2E-10	1.6E-01	5.5E-03	3.6E-13	1.4E+00	6.0E-07	1.0E-03	9.0E-10	1.6E-01	5.5E-03	7.7E-13	1.4E+00	1.2E-06
1.9E-07	1.0E-03	4.4E-10	1.6E-01	5.5E-03	3.8E-13	1.5E+00	6.0E-07	1.0E-03	9.3E-10	1.6E-01	5.5E-03	8.0E-13	1.5E+00	1.2E-06
1.9E-07	1.0E-03	4.5E-10	1.6E-01	5.5E-03	3.9E-13	1.5E+00	6.0E-07	1.0E-03	9.6E-10	1.6E-01	5.5E-03	8.3E-13	1.5E+00	1.2E-06
1.9E-07	1.0E-03	4.7E-10	1.6E-01	5.5E-03	4.0E-13	1.6E+00	6.0E-07	1.0E-03	9.9E-10	1.6E-01	5.5E-03	8.6E-13	1.6E+00	1.2E-06
1.9E-07	1.0E-03	4.8E-10	1.6E-01	5.5E-03	4.1E-13	1.6E+00	6.0E-07	1.0E-03	1.0E-09	1.6E-01	5.5E-03	8.8E-13	1.6E+00	1.2E-06
1.9E-07	1.0E-03	4.9E-10	1.6E-01	5.5E-03	4.2E-13	1.7E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.0E-13	1.7E+00	1.2E-06
1.9E-07	1.0E-03	5.0E-10	1.6E-01	5.5E-03	4.3E-13	1.7E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.3E-13	1.7E+00	1.2E-06
1.9E-07	1.0E-03	5.0E-10	1.6E-01	5.5E-03	4.3E-13	1.7E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.4E-13	1.7E+00	1.2E-06
1.9E-07	1.0E-03	5.0E-10	1.6E-01	5.5E-03	4.3E-13	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.6E-13	1.8E+00	1.2E-06
1.9E-07	1.0E-03	5.0E-10	1.6E-01	5.5E-03	4.3E-13	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.7E-13	1.8E+00	1.2E-06
1.9E-07	1.0E-03	5.0E-10	1.6E-01	5.5E-03	4.3E-13	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.8E-13	1.8E+00	1.2E-06
1.9E-07	1.0E-03	4.9E-10	1.6E-01	5.5E-03	4.2E-13	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.8E-13	1.8E+00	1.2E-06
1.9E-07	1.0E-03	4.8E-10	1.6E-01	5.5E-03	4.2E-13	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.8E-13	1.8E+00	1.2E-06
1.9E-07	1.0E-03	4.7E-10	1.6E-01	5.5E-03	4.1E-13	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.8E-13	1.8E+00	1.2E-06
1.9E-07	1.0E-03	4.6E-10	1.6E-01	5.5E-03	4.0E-13	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.7E-13	1.8E+00	1.2E-06
1.9E-07	1.0E-03	4.5E-10	1.6E-01	5.5E-03	3.9E-13	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.6E-13	1.8E+00	1.2E-06
1.9E-07	1.0E-03	4.3E-10	1.6E-01	5.5E-03	3.7E-13	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.5E-13	1.8E+00	1.2E-06
1.9E-07	1.0E-03	4.2E-10	1.6E-01	5.5E-03	3.6E-13	1.7E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.3E-13	1.7E+00	1.2E-06
1.9E-07	1.0E-03	4.0E-10	1.6E-01	5.5E-03	3.5E-13	1.7E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.1E-13	1.7E+00	1.2E-06
1.9E-07	1.0E-03	3.9E-10	1.6E-01	5.5E-03	3.3E-13	1.6E+00	6.0E-07	1.0E-03	1.0E-09	1.6E-01	5.5E-03	8.9E-13	1.6E+00	1.2E-06
1.9E-07	1.0E-03	3.7E-10	1.6E-01	5.5E-03	3.2E-13	1.6E+00	6.0E-07	1.0E-03	1.0E-09	1.6E-01	5.5E-03	8.7E-13	1.6E+00	1.2E-06
1.9E-07	1.0E-03	3.6E-10	1.6E-01	5.5E-03	3.1E-13	1.6E+00	6.0E-07	1.0E-03	9.8E-10	1.6E-01	5.5E-03	8.5E-13	1.6E+00	1.2E-06
1.9E-07	1.0E-03	3.4E-10	1.6E-01	5.5E-03	2.9E-13	1.5E+00	6.0E-07	1.0E-03	9.5E-10	1.6E-01	5.5E-03	8.2E-13	1.5E+00	1.2E-06
1.9E-07	1.0E-03	3.3E-10	1.6E-01	5.5E-03	2.8E-13	1.5E+00	6.0E-07	1.0E-03	9.2E-10	1.6E-01	5.5E-03	8.0E-13	1.5E+00	1.2E-06
1.9E-07	1.0E-03	3.1E-10	1.6E-01	5.5E-03	2.7E-13	1.4E+00	6.0E-07	1.0E-03	8.9E-10	1.6E-01	5.5E-03	7.7E-13	1.4E+00	1.2E-06

Franklin School Project

Risk From New Building Demo (Port. 2) - Unmitigated Residential

Haul Route 1A							Haul Route 2A					
D1	Dose	R1	ED	Risk	Conc	g/sec	D1	Dose	R1	ED	Risk	
1.0E-03	4.4E-10	1.6E-01	5.5E-03	3.7E-13	3.9E+00	1.3E-07	1.0E-03	5.4E-10	1.6E-01	5.5E-03	4.6E-13	0.001695588
1.0E-03	5.0E-10	1.6E-01	5.5E-03	4.3E-13	4.4E+00	1.3E-07	1.0E-03	6.0E-10	1.6E-01	5.5E-03	5.2E-13	0.001868857
1.0E-03	5.8E-10	1.6E-01	5.5E-03	5.0E-13	4.7E+00	1.3E-07	1.0E-03	6.5E-10	1.6E-01	5.5E-03	5.6E-13	0.002055163
1.0E-03	6.6E-10	1.6E-01	5.5E-03	5.7E-13	4.8E+00	1.3E-07	1.0E-03	6.7E-10	1.6E-01	5.5E-03	5.8E-13	0.002251157
1.0E-03	7.5E-10	1.6E-01	5.5E-03	6.5E-13	4.8E+00	1.3E-07	1.0E-03	6.7E-10	1.6E-01	5.5E-03	5.8E-13	0.002449795
1.0E-03	8.3E-10	1.6E-01	5.5E-03	7.2E-13	4.7E+00	1.3E-07	1.0E-03	6.5E-10	1.6E-01	5.5E-03	5.6E-13	0.002641452
1.0E-03	9.1E-10	1.6E-01	5.5E-03	7.8E-13	4.3E+00	1.3E-07	1.0E-03	5.9E-10	1.6E-01	5.5E-03	5.1E-13	0.002836076
1.0E-03	9.9E-10	1.6E-01	5.5E-03	8.5E-13	3.6E+00	1.3E-07	1.0E-03	5.0E-10	1.6E-01	5.5E-03	4.3E-13	0.002997713
1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.3E-13	2.8E+00	1.3E-07	1.0E-03	3.9E-10	1.6E-01	5.5E-03	3.4E-13	0.003187159
1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.0E-12	2.2E+00	1.3E-07	1.0E-03	3.0E-10	1.6E-01	5.5E-03	2.6E-13	0.003356634
1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12	1.6E+00	1.3E-07	1.0E-03	2.3E-10	1.6E-01	5.5E-03	2.0E-13	0.003625503
1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12	1.3E+00	1.3E-07	1.0E-03	1.8E-10	1.6E-01	5.5E-03	1.5E-13	0.003897001
1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.2E-12	1.0E+00	1.3E-07	1.0E-03	1.4E-10	1.6E-01	5.5E-03	1.2E-13	0.004133599
1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12	8.0E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.5E-14	0.004329027
1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.1E-12	6.5E-01	1.3E-07	1.0E-03	9.0E-11	1.6E-01	5.5E-03	7.8E-14	0.004468194
1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.7E-13	5.4E-01	1.3E-07	1.0E-03	7.5E-11	1.6E-01	5.5E-03	6.5E-14	0.004521766
1.0E-03	5.1E-10	1.6E-01	5.5E-03	4.3E-13	8.3E+00	1.3E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.9E-13	0.001904228
1.0E-03	6.0E-10	1.6E-01	5.5E-03	5.2E-13	8.9E+00	1.3E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.1E-12	0.002128794
1.0E-03	7.1E-10	1.6E-01	5.5E-03	6.1E-13	9.3E+00	1.3E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12	0.002373436
1.0E-03	8.4E-10	1.6E-01	5.5E-03	7.3E-13	9.5E+00	1.3E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12	0.002639961
1.0E-03	9.8E-10	1.6E-01	5.5E-03	8.5E-13	9.4E+00	1.3E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12	0.002915739
1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.7E-13	9.0E+00	1.3E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.1E-12	0.00319078
1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12	7.7E+00	1.3E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.2E-13	0.003467586
1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12	5.3E+00	1.3E-07	1.0E-03	7.3E-10	1.6E-01	5.5E-03	6.3E-13	0.003704598
1.0E-03	1.6E-09	1.6E-01	5.5E-03	1.3E-12	3.4E+00	1.3E-07	1.0E-03	4.8E-10	1.6E-01	5.5E-03	4.1E-13	0.003974418
1.0E-03	1.7E-09	1.6E-01	5.5E-03	1.5E-12	2.3E+00	1.3E-07	1.0E-03	3.2E-10	1.6E-01	5.5E-03	2.8E-13	0.004242276
1.0E-03	1.8E-09	1.6E-01	5.5E-03	1.6E-12	1.7E+00	1.3E-07	1.0E-03	2.3E-10	1.6E-01	5.5E-03	2.0E-13	0.004648469
1.0E-03	1.8E-09	1.6E-01	5.5E-03	1.6E-12	1.2E+00	1.3E-07	1.0E-03	1.7E-10	1.6E-01	5.5E-03	1.5E-13	0.005033112
1.0E-03	1.8E-09	1.6E-01	5.5E-03	1.5E-12	9.4E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-03	1.1E-13	0.005346071
1.0E-03	1.6E-09	1.6E-01	5.5E-03	1.4E-12	7.5E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	5.5E-03	8.9E-14	0.00556377
1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12	6.1E-01	1.3E-07	1.0E-03	8.4E-11	1.6E-01	5.5E-03	7.2E-14	0.005661958
1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12	5.0E-01	1.3E-07	1.0E-03	6.9E-11	1.6E-01	5.5E-03	6.0E-14	0.005620932
1.0E-03	5.9E-10	1.6E-01	5.5E-03	5.0E-13	6.9E+00	1.3E-07	1.0E-03	9.5E-10	1.6E-01	5.5E-03	8.2E-13	0.002140088
1.0E-03	7.2E-10	1.6E-01	5.5E-03	6.2E-13	1.1E+01	1.3E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12	0.002427218
1.0E-03	8.8E-10	1.6E-01	5.5E-03	7.6E-13	6.2E+00	1.3E-07	1.0E-03	8.5E-10	1.6E-01	5.5E-03	7.4E-13	0.002758107
1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.4E-13	6.1E+00	1.3E-07	1.0E-03	8.5E-10	1.6E-01	5.5E-03	7.3E-13	0.003127107
1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.2E-12	6.0E+00	1.3E-07	1.0E-03	8.3E-10	1.6E-01	5.5E-03	7.2E-13	0.003523781
1.0E-03	1.6E-09	1.6E-01	5.5E-03	1.4E-12	5.4E+00	1.3E-07	1.0E-03	7.4E-10	1.6E-01	5.5E-03	6.4E-13	0.003926496
1.0E-03	1.9E-09	1.6E-01	5.5E-03	1.6E-12	6.2E+00	1.3E-07	1.0E-03	8.6E-10	1.6E-01	5.5E-03	7.4E-13	0.004346225
1.0E-03	2.1E-09	1.6E-01	5.5E-03	1.8E-12	7.1E+00	1.3E-07	1.0E-03	9.9E-10	1.6E-01	5.5E-03	8.5E-13	0.004719215
1.0E-03	2.4E-09	1.6E-01	5.5E-03	2.1E-12	3.6E+00	1.3E-07	1.0E-03	5.0E-10	1.6E-01	5.5E-03	4.3E-13	0.005109418
1.0E-03	2.6E-09	1.6E-01	5.5E-03	2.3E-12	2.2E+00	1.3E-07	1.0E-03	3.1E-10	1.6E-01	5.5E-03	2.7E-13	0.005555171
1.0E-03	2.7E-09	1.6E-01	5.5E-03	2.3E-12	1.5E+00	1.3E-07	1.0E-03	2.1E-10	1.6E-01	5.5E-03	1.8E-13	0.006198419

1.0E-03	2.6E-09	1.6E-01	5.5E-03	2.2E-12	1.1E+00	1.3E-07	1.0E-03	1.5E-10	1.6E-01	5.5E-03	1.3E-13	0.006726092
1.0E-03	2.3E-09	1.6E-01	5.5E-03	2.0E-12	8.5E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	5.5E-03	1.0E-13	0.007106683
1.0E-03	2.0E-09	1.6E-01	5.5E-03	1.7E-12	6.7E-01	1.3E-07	1.0E-03	9.3E-11	1.6E-01	5.5E-03	8.0E-14	0.007286215
1.0E-03	1.7E-09	1.6E-01	5.5E-03	1.5E-12	5.4E-01	1.3E-07	1.0E-03	7.5E-11	1.6E-01	5.5E-03	6.5E-14	0.007236774
1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12	4.5E-01	1.3E-07	1.0E-03	6.3E-11	1.6E-01	5.5E-03	5.4E-14	0.006988606
1.0E-03	6.7E-10	1.6E-01	5.5E-03	5.8E-13	6.3E+00	1.3E-07	1.0E-03	8.8E-10	1.6E-01	5.5E-03	7.5E-13	0.002405942
1.0E-03	8.5E-10	1.6E-01	5.5E-03	7.3E-13	1.0E+01	1.3E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12	0.002777991
1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.5E-13	5.6E+00	1.3E-07	1.0E-03	7.8E-10	1.6E-01	5.5E-03	6.7E-13	0.003225498
1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12	5.5E+00	1.3E-07	1.0E-03	7.6E-10	1.6E-01	5.5E-03	6.5E-13	0.00374771
1.0E-03	1.9E-09	1.6E-01	5.5E-03	1.6E-12	5.3E+00	1.3E-07	1.0E-03	7.3E-10	1.6E-01	5.5E-03	6.3E-13	0.004336153
1.0E-03	2.5E-09	1.6E-01	5.5E-03	2.1E-12	4.5E+00	1.3E-07	1.0E-03	6.3E-10	1.6E-01	5.5E-03	5.4E-13	0.004966789
1.0E-03	3.0E-09	1.6E-01	5.5E-03	2.6E-12	5.2E+00	1.3E-07	1.0E-03	7.2E-10	1.6E-01	5.5E-03	6.2E-13	0.005609987
1.0E-03	3.6E-09	1.6E-01	5.5E-03	3.1E-12	6.0E+00	1.3E-07	1.0E-03	8.3E-10	1.6E-01	5.5E-03	7.2E-13	0.006174691
1.0E-03	4.1E-09	1.6E-01	5.5E-03	3.6E-12	3.0E+00	1.3E-07	1.0E-03	4.2E-10	1.6E-01	5.5E-03	3.6E-13	0.006816554
1.0E-03	4.3E-09	1.6E-01	5.5E-03	3.7E-12	1.9E+00	1.3E-07	1.0E-03	2.6E-10	1.6E-01	5.5E-03	2.2E-13	0.007610802
1.0E-03	4.0E-09	1.6E-01	5.5E-03	3.5E-12	1.3E+00	1.3E-07	1.0E-03	1.8E-10	1.6E-01	5.5E-03	1.5E-13	0.008679275
1.0E-03	3.5E-09	1.6E-01	5.5E-03	3.0E-12	9.5E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-03	1.1E-13	0.009368155
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1.0E-03	2.4E-09	1.6E-01	5.5E-03	2.0E-12	5.9E-01	1.3E-07	1.0E-03	8.2E-11	1.6E-01	5.5E-03	7.0E-14	0.009657106
1.0E-03	1.9E-09	1.6E-01	5.5E-03	1.7E-12	4.8E-01	1.3E-07	1.0E-03	6.7E-11	1.6E-01	5.5E-03	5.8E-14	0.009253591
1.0E-03	1.6E-09	1.6E-01	5.5E-03	1.3E-12	4.0E-01	1.3E-07	1.0E-03	5.6E-11	1.6E-01	5.5E-03	4.8E-14	0.008614786
1.0E-03	7.6E-10	1.6E-01	5.5E-03	6.5E-13	7.0E+00	1.3E-07	1.0E-03	9.7E-10	1.6E-01	5.5E-03	8.4E-13	0.00269779
1.0E-03	1.0E-09	1.6E-01	5.5E-03	8.6E-13	7.3E+00	1.3E-07	1.0E-03	1.0E-09	1.6E-01	5.5E-03	8.7E-13	0.003180678
1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12	7.4E+00	1.3E-07	1.0E-03	1.0E-09	1.6E-01	5.5E-03	8.8E-13	0.00378904
1.0E-03	2.0E-09	1.6E-01	5.5E-03	1.7E-12	7.3E+00	1.3E-07	1.0E-03	1.0E-09	1.6E-01	5.5E-03	8.7E-13	0.004539297
1.0E-03	2.9E-09	1.6E-01	5.5E-03	2.5E-12	7.0E+00	1.3E-07	1.0E-03	9.7E-10	1.6E-01	5.5E-03	8.4E-13	0.005433758
1.0E-03	4.2E-09	1.6E-01	5.5E-03	3.6E-12	6.4E+00	1.3E-07	1.0E-03	8.9E-10	1.6E-01	5.5E-03	7.7E-13	0.006466245
1.0E-03	5.7E-09	1.6E-01	5.5E-03	4.9E-12	5.2E+00	1.3E-07	1.0E-03	7.1E-10	1.6E-01	5.5E-03	6.1E-13	0.007568015
1.0E-03	7.3E-09	1.6E-01	5.5E-03	6.3E-12	3.4E+00	1.3E-07	1.0E-03	4.7E-10	1.6E-01	5.5E-03	4.1E-13	0.008578585
1.0E-03	8.0E-09	1.6E-01	5.5E-03	6.9E-12	2.2E+00	1.3E-07	1.0E-03	3.1E-10	1.6E-01	5.5E-03	2.6E-13	0.009772332
1.0E-03	7.2E-09	1.6E-01	5.5E-03	6.2E-12	1.5E+00	1.3E-07	1.0E-03	2.1E-10	1.6E-01	5.5E-03	1.8E-13	0.011463725
1.0E-03	5.8E-09	1.6E-01	5.5E-03	5.0E-12	1.1E+00	1.3E-07	1.0E-03	1.5E-10	1.6E-01	5.5E-03	1.3E-13	0.01285646
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1.0E-03	3.4E-09	1.6E-01	5.5E-03	2.9E-12	6.4E-01	1.3E-07	1.0E-03	8.9E-11	1.6E-01	5.5E-03	7.7E-14	0.013531153
1.0E-03	2.6E-09	1.6E-01	5.5E-03	2.2E-12	5.2E-01	1.3E-07	1.0E-03	7.2E-11	1.6E-01	5.5E-03	6.2E-14	0.01281285
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1.0E-03	1.6E-09	1.6E-01	5.5E-03	1.4E-12	3.6E-01	1.3E-07	1.0E-03	5.0E-11	1.6E-01	5.5E-03	4.3E-14	0.010408717
1.0E-03	8.3E-10	1.6E-01	5.5E-03	7.2E-13	3.5E+00	1.3E-07	1.0E-03	4.9E-10	1.6E-01	5.5E-03	4.2E-13	0.003005034
1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.8E-13	3.8E+00	1.3E-07	1.0E-03	5.2E-10	1.6E-01	5.5E-03	4.5E-13	0.003624551
1.0E-03	1.7E-09	1.6E-01	5.5E-03	1.4E-12	3.8E+00	1.3E-07	1.0E-03	5.3E-10	1.6E-01	5.5E-03	4.6E-13	0.004449574
1.0E-03	2.6E-09	1.6E-01	5.5E-03	2.2E-12	3.8E+00	1.3E-07	1.0E-03	5.3E-10	1.6E-01	5.5E-03	4.6E-13	0.005529226
1.0E-03	4.5E-09	1.6E-01	5.5E-03	3.8E-12	3.7E+00	1.3E-07	1.0E-03	5.1E-10	1.6E-01	5.5E-03	4.4E-13	0.006922672
1.0E-03	8.3E-09	1.6E-01	5.5E-03	7.2E-12	3.4E+00	1.3E-07	1.0E-03	4.7E-10	1.6E-01	5.5E-03	4.0E-13	0.008700847
1.0E-03	1.4E-08	1.6E-01	5.5E-03	1.2E-11	2.9E+00	1.3E-07	1.0E-03	4.0E-10	1.6E-01	5.5E-03	3.4E-13	0.010768422
1.0E-03	1.9E-08	1.6E-01	5.5E-03	1.7E-11	2.2E+00	1.3E-07	1.0E-03	3.1E-10	1.6E-01	5.5E-03	2.7E-13	0.012989355
1.0E-03	1.7E-08	1.6E-01	5.5E-03	1.4E-11	1.6E+00	1.3E-07	1.0E-03	2.3E-10	1.6E-01	5.5E-03	2.0E-13	0.015395415
1.0E-03	1.1E-08	1.6E-01	5.5E-03	9.7E-12	1.2E+00	1.3E-07	1.0E-03	1.7E-10	1.6E-01	5.5E-03	1.4E-13	0.018693695
1.0E-03	7.4E-09	1.6E-01	5.5E-03	6.4E-12	9.1E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-03	1.1E-13	0.020340469
1.0E-03	5.0E-09	1.6E-01	5.5E-03	4.3E-12	7.1E-01	1.3E-07	1.0E-03	9.8E-11	1.6E-01	5.5E-03	8.5E-14	0.020330184

1.0E-03	3.5E-09	1.6E-01	5.5E-03	3.0E-12	5.7E-01	1.3E-07	1.0E-03	7.9E-11	1.6E-01	5.5E-03	6.8E-14	0.018870557
1.0E-03	2.6E-09	1.6E-01	5.5E-03	2.2E-12	4.7E-01	1.3E-07	1.0E-03	6.5E-11	1.6E-01	5.5E-03	5.6E-14	0.016691364
1.0E-03	1.9E-09	1.6E-01	5.5E-03	1.7E-12	3.9E-01	1.3E-07	1.0E-03	5.4E-11	1.6E-01	5.5E-03	4.7E-14	0.014340632
1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12	3.3E-01	1.3E-07	1.0E-03	4.6E-11	1.6E-01	5.5E-03	4.0E-14	0.012147162
1.0E-03	8.7E-10	1.6E-01	5.5E-03	7.5E-13	2.2E+00	1.3E-07	1.0E-03	3.0E-10	1.6E-01	5.5E-03	2.6E-13	0.003300755
1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.1E-12	2.4E+00	1.3E-07	1.0E-03	3.3E-10	1.6E-01	5.5E-03	2.8E-13	0.004078675
1.0E-03	1.9E-09	1.6E-01	5.5E-03	1.6E-12	2.4E+00	1.3E-07	1.0E-03	3.4E-10	1.6E-01	5.5E-03	2.9E-13	0.005175764
1.0E-03	3.2E-09	1.6E-01	5.5E-03	2.7E-12	2.4E+00	1.3E-07	1.0E-03	3.4E-10	1.6E-01	5.5E-03	2.9E-13	0.006716303
1.0E-03	6.4E-09	1.6E-01	5.5E-03	5.6E-12	2.4E+00	1.3E-07	1.0E-03	3.3E-10	1.6E-01	5.5E-03	2.8E-13	0.008910029
1.0E-03	1.8E-08	1.6E-01	5.5E-03	1.6E-11	2.2E+00	1.3E-07	1.0E-03	3.0E-10	1.6E-01	5.5E-03	2.6E-13	0.012130256
1.0E-03	6.9E-08	1.6E-01	5.5E-03	6.0E-11	1.9E+00	1.3E-07	1.0E-03	2.7E-10	1.6E-01	5.5E-03	2.3E-13	0.016571175
1.0E-03	7.8E-08	1.6E-01	5.5E-03	6.7E-11	1.6E+00	1.3E-07	1.0E-03	2.2E-10	1.6E-01	5.5E-03	1.9E-13	0.022012623
1.0E-03	3.1E-08	1.6E-01	5.5E-03	2.6E-11	1.3E+00	1.3E-07	1.0E-03	1.8E-10	1.6E-01	5.5E-03	1.5E-13	0.02828201
1.0E-03	1.4E-08	1.6E-01	5.5E-03	1.2E-11	1.0E+00	1.3E-07	1.0E-03	1.4E-10	1.6E-01	5.5E-03	1.2E-13	0.034302858
1.0E-03	7.8E-09	1.6E-01	5.5E-03	6.7E-12	7.9E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.4E-14	0.03411968
1.0E-03	4.8E-09	1.6E-01	5.5E-03	4.2E-12	6.3E-01	1.3E-07	1.0E-03	8.7E-11	1.6E-01	5.5E-03	7.5E-14	0.030485427
1.0E-03	3.3E-09	1.6E-01	5.5E-03	2.8E-12	5.1E-01	1.3E-07	1.0E-03	7.1E-11	1.6E-01	5.5E-03	6.1E-14	0.025540296
1.0E-03	2.3E-09	1.6E-01	5.5E-03	2.0E-12	4.3E-01	1.3E-07	1.0E-03	5.9E-11	1.6E-01	5.5E-03	5.1E-14	0.020762422
1.0E-03	1.7E-09	1.6E-01	5.5E-03	1.5E-12	3.6E-01	1.3E-07	1.0E-03	5.0E-11	1.6E-01	5.5E-03	4.3E-14	0.016682624
1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.2E-12	3.1E-01	1.3E-07	1.0E-03	4.2E-11	1.6E-01	5.5E-03	3.7E-14	0.01348548
1.0E-03	8.8E-10	1.6E-01	5.5E-03	7.6E-13	1.5E+00	1.3E-07	1.0E-03	2.1E-10	1.6E-01	5.5E-03	1.8E-13	0.003570253
1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.1E-12	1.6E+00	1.3E-07	1.0E-03	2.2E-10	1.6E-01	5.5E-03	1.9E-13	0.004519071
1.0E-03	1.9E-09	1.6E-01	5.5E-03	1.6E-12	1.7E+00	1.3E-07	1.0E-03	2.3E-10	1.6E-01	5.5E-03	2.0E-13	0.005911349
1.0E-03	3.3E-09	1.6E-01	5.5E-03	2.8E-12	1.7E+00	1.3E-07	1.0E-03	2.4E-10	1.6E-01	5.5E-03	2.0E-13	0.008030474
1.0E-03	7.1E-09	1.6E-01	5.5E-03	6.1E-12	1.7E+00	1.3E-07	1.0E-03	2.3E-10	1.6E-01	5.5E-03	2.0E-13	0.011435182
1.0E-03	1.2E-08	1.6E-01	5.5E-03	1.1E-11	8.5E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	5.5E-03	1.0E-13	0.072148208
1.0E-03	6.6E-09	1.6E-01	5.5E-03	5.7E-12	6.9E-01	1.3E-07	1.0E-03	9.6E-11	1.6E-01	5.5E-03	8.2E-14	0.057341028
1.0E-03	4.1E-09	1.6E-01	5.5E-03	3.5E-12	5.7E-01	1.3E-07	1.0E-03	7.9E-11	1.6E-01	5.5E-03	6.8E-14	0.043399292
1.0E-03	2.8E-09	1.6E-01	5.5E-03	2.4E-12	4.7E-01	1.3E-07	1.0E-03	6.5E-11	1.6E-01	5.5E-03	5.6E-14	0.032227714
1.0E-03	2.0E-09	1.6E-01	5.5E-03	1.7E-12	3.9E-01	1.3E-07	1.0E-03	5.5E-11	1.6E-01	5.5E-03	4.7E-14	0.024015843
1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12	3.3E-01	1.3E-07	1.0E-03	4.6E-11	1.6E-01	5.5E-03	4.0E-14	0.018172474
1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.0E-12	2.9E-01	1.3E-07	1.0E-03	4.0E-11	1.6E-01	5.5E-03	3.4E-14	0.014047734
1.0E-03	8.5E-10	1.6E-01	5.5E-03	7.3E-13	1.1E+00	1.3E-07	1.0E-03	1.5E-10	1.6E-01	5.5E-03	1.3E-13	0.00375047
1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.0E-12	1.2E+00	1.3E-07	1.0E-03	1.6E-10	1.6E-01	5.5E-03	1.4E-13	0.004847196
1.0E-03	1.7E-09	1.6E-01	5.5E-03	1.5E-12	1.2E+00	1.3E-07	1.0E-03	1.7E-10	1.6E-01	5.5E-03	1.5E-13	0.00648316
1.0E-03	2.9E-09	1.6E-01	5.5E-03	2.5E-12	1.3E+00	1.3E-07	1.0E-03	1.7E-10	1.6E-01	5.5E-03	1.5E-13	0.009146033
1.0E-03	5.3E-09	1.6E-01	5.5E-03	4.5E-12	1.2E+00	1.3E-07	1.0E-03	1.7E-10	1.6E-01	5.5E-03	1.5E-13	0.013727712
1.0E-03	8.3E-09	1.6E-01	5.5E-03	7.1E-12	7.2E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	5.5E-03	8.6E-14	0.14600384
1.0E-03	5.0E-09	1.6E-01	5.5E-03	4.3E-12	6.1E-01	1.3E-07	1.0E-03	8.4E-11	1.6E-01	5.5E-03	7.2E-14	0.086432103
1.0E-03	3.2E-09	1.6E-01	5.5E-03	2.8E-12	5.1E-01	1.3E-07	1.0E-03	7.0E-11	1.6E-01	5.5E-03	6.1E-14	0.054249388
1.0E-03	2.3E-09	1.6E-01	5.5E-03	2.0E-12	4.3E-01	1.3E-07	1.0E-03	6.0E-11	1.6E-01	5.5E-03	5.2E-14	0.036475814
1.0E-03	1.7E-09	1.6E-01	5.5E-03	1.4E-12	3.7E-01	1.3E-07	1.0E-03	5.1E-11	1.6E-01	5.5E-03	4.4E-14	0.025182447
1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12	3.1E-01	1.3E-07	1.0E-03	4.4E-11	1.6E-01	5.5E-03	3.7E-14	0.018212589
1.0E-03	1.0E-09	1.6E-01	5.5E-03	8.7E-13	2.7E-01	1.3E-07	1.0E-03	3.8E-11	1.6E-01	5.5E-03	3.2E-14	0.013603022
1.0E-03	7.8E-10	1.6E-01	5.5E-03	6.7E-13	8.3E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	5.5E-03	9.9E-14	0.003858226
1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.1E-13	9.0E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	5.5E-03	1.1E-13	0.005027477
1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12	9.4E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-03	1.1E-13	0.006791028
1.0E-03	2.2E-09	1.6E-01	5.5E-03	1.9E-12	9.6E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-03	1.1E-13	0.009782607
1.0E-03	3.5E-09	1.6E-01	5.5E-03	3.0E-12	9.6E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-03	1.1E-13	0.015032172

1.0E-03	5.4E-09	1.6E-01	5.5E-03	4.6E-12	6.1E-01	1.3E-07	1.0E-03	8.5E-11	1.6E-01	5.5E-03	7.3E-14	0.215813514
1.0E-03	3.7E-09	1.6E-01	5.5E-03	3.1E-12	5.3E-01	1.3E-07	1.0E-03	7.3E-11	1.6E-01	5.5E-03	6.3E-14	0.103978815
1.0E-03	2.6E-09	1.6E-01	5.5E-03	2.2E-12	4.6E-01	1.3E-07	1.0E-03	6.3E-11	1.6E-01	5.5E-03	5.4E-14	0.057111267
1.0E-03	1.9E-09	1.6E-01	5.5E-03	1.6E-12	4.0E-01	1.3E-07	1.0E-03	5.5E-11	1.6E-01	5.5E-03	4.7E-14	0.035911244
1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12	3.4E-01	1.3E-07	1.0E-03	4.7E-11	1.6E-01	5.5E-03	4.1E-14	0.023639908
1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.6E-13	3.0E-01	1.3E-07	1.0E-03	4.1E-11	1.6E-01	5.5E-03	3.5E-14	0.016705858
1.0E-03	8.9E-10	1.6E-01	5.5E-03	7.7E-13	2.6E-01	1.3E-07	1.0E-03	3.6E-11	1.6E-01	5.5E-03	3.1E-14	0.012308088
1.0E-03	7.0E-10	1.6E-01	5.5E-03	6.0E-13	6.5E-01	1.3E-07	1.0E-03	9.1E-11	1.6E-01	5.5E-03	7.8E-14	0.003833023
1.0E-03	9.0E-10	1.6E-01	5.5E-03	7.8E-13	7.0E-01	1.3E-07	1.0E-03	9.7E-11	1.6E-01	5.5E-03	8.4E-14	0.004897894
1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.0E-12	7.4E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	5.5E-03	8.8E-14	0.006719728
1.0E-03	1.7E-09	1.6E-01	5.5E-03	1.4E-12	7.6E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.0E-14	0.009612633
1.0E-03	2.4E-09	1.6E-01	5.5E-03	2.1E-12	7.6E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.1E-14	0.014844814
1.0E-03	3.8E-09	1.6E-01	5.5E-03	3.3E-12	5.3E-01	1.3E-07	1.0E-03	7.4E-11	1.6E-01	5.5E-03	6.4E-14	0.329189359
1.0E-03	2.8E-09	1.6E-01	5.5E-03	2.4E-12	4.7E-01	1.3E-07	1.0E-03	6.5E-11	1.6E-01	5.5E-03	5.6E-14	0.097476099
1.0E-03	2.1E-09	1.6E-01	5.5E-03	1.8E-12	4.1E-01	1.3E-07	1.0E-03	5.7E-11	1.6E-01	5.5E-03	4.9E-14	0.047727782
1.0E-03	1.6E-09	1.6E-01	5.5E-03	1.4E-12	3.6E-01	1.3E-07	1.0E-03	5.0E-11	1.6E-01	5.5E-03	4.3E-14	0.030544178
1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12	3.2E-01	1.3E-07	1.0E-03	4.4E-11	1.6E-01	5.5E-03	3.8E-14	0.020212731
1.0E-03	1.0E-09	1.6E-01	5.5E-03	8.6E-13	2.8E-01	1.3E-07	1.0E-03	3.9E-11	1.6E-01	5.5E-03	3.3E-14	0.014251162
1.0E-03	8.1E-10	1.6E-01	5.5E-03	6.9E-13	2.4E-01	1.3E-07	1.0E-03	3.4E-11	1.6E-01	5.5E-03	2.9E-14	0.010616599
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1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12	6.1E-01	1.3E-07	1.0E-03	8.5E-11	1.6E-01	5.5E-03	7.3E-14	0.008652613
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1.0E-03	2.9E-09	1.6E-01	5.5E-03	2.5E-12	5.8E-01	1.3E-07	1.0E-03	8.1E-11	1.6E-01	5.5E-03	6.9E-14	0.047122838
1.0E-03	3.2E-09	1.6E-01	5.5E-03	2.7E-12	5.5E-01	1.3E-07	1.0E-03	7.6E-11	1.6E-01	5.5E-03	6.5E-14	0.128535666
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1.0E-03	2.7E-09	1.6E-01	5.5E-03	2.4E-12	4.6E-01	1.3E-07	1.0E-03	6.4E-11	1.6E-01	5.5E-03	5.5E-14	0.136955359
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1.0E-03	1.7E-09	1.6E-01	5.5E-03	1.5E-12	3.7E-01	1.3E-07	1.0E-03	5.1E-11	1.6E-01	5.5E-03	4.4E-14	0.034545375
1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12	3.2E-01	1.3E-07	1.0E-03	4.5E-11	1.6E-01	5.5E-03	3.9E-14	0.022505003
1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.7E-13	2.9E-01	1.3E-07	1.0E-03	4.1E-11	1.6E-01	5.5E-03	3.5E-14	0.0165749
1.0E-03	9.1E-10	1.6E-01	5.5E-03	7.8E-13	2.6E-01	1.3E-07	1.0E-03	3.6E-11	1.6E-01	5.5E-03	3.1E-14	0.011966008
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1.0E-03	5.3E-10	1.6E-01	5.5E-03	4.6E-13	4.4E-01	1.3E-07	1.0E-03	6.0E-11	1.6E-01	5.5E-03	5.2E-14	0.003230946
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1.0E-03	8.0E-10	1.6E-01	5.5E-03	6.9E-13	4.9E-01	1.3E-07	1.0E-03	6.8E-11	1.6E-01	5.5E-03	5.8E-14	0.005267978
1.0E-03	1.0E-09	1.6E-01	5.5E-03	8.8E-13	5.0E-01	1.3E-07	1.0E-03	7.0E-11	1.6E-01	5.5E-03	6.0E-14	0.007757494
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1.0E-03	2.0E-09	1.6E-01	5.5E-03	1.7E-12	4.9E-01	1.3E-07	1.0E-03	6.7E-11	1.6E-01	5.5E-03	5.8E-14	0.029430459
1.0E-03	2.1E-09	1.6E-01	5.5E-03	1.8E-12	4.7E-01	1.3E-07	1.0E-03	6.4E-11	1.6E-01	5.5E-03	5.5E-14	0.049768721
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1.0E-03	1.7E-09	1.6E-01	5.5E-03	1.5E-12	3.7E-01	1.3E-07	1.0E-03	5.1E-11	1.6E-01	5.5E-03	4.4E-14	0.041452243
1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12	3.3E-01	1.3E-07	1.0E-03	4.6E-11	1.6E-01	5.5E-03	4.0E-14	0.027423732
1.0E-03	1.2E-09	1.6E-01	5.5E-03	9.9E-13	2.9E-01	1.3E-07	1.0E-03	4.1E-11	1.6E-01	5.5E-03	3.5E-14	0.01756365
1.0E-03	9.9E-10	1.6E-01	5.5E-03	8.5E-13	2.7E-01	1.3E-07	1.0E-03	3.7E-11	1.6E-01	5.5E-03	3.2E-14	0.013516817

1.0E-03	8.2E-10	1.6E-01	5.5E-03	7.1E-13	2.4E-01	1.3E-07	1.0E-03	3.4E-11	1.6E-01	5.5E-03	2.9E-14	0.010260361
1.0E-03	6.8E-10	1.6E-01	5.5E-03	5.9E-13	2.2E-01	1.3E-07	1.0E-03	3.0E-11	1.6E-01	5.5E-03	2.6E-14	0.007883392
1.0E-03	4.7E-10	1.6E-01	5.5E-03	4.0E-13	3.7E-01	1.3E-07	1.0E-03	5.1E-11	1.6E-01	5.5E-03	4.4E-14	0.002996624
1.0E-03	5.6E-10	1.6E-01	5.5E-03	4.8E-13	3.9E-01	1.3E-07	1.0E-03	5.4E-11	1.6E-01	5.5E-03	4.7E-14	0.003825401
1.0E-03	6.8E-10	1.6E-01	5.5E-03	5.8E-13	4.1E-01	1.3E-07	1.0E-03	5.7E-11	1.6E-01	5.5E-03	4.9E-14	0.005071591
1.0E-03	8.4E-10	1.6E-01	5.5E-03	7.2E-13	4.2E-01	1.3E-07	1.0E-03	5.8E-11	1.6E-01	5.5E-03	5.0E-14	0.006678816
1.0E-03	1.0E-09	1.6E-01	5.5E-03	8.9E-13	4.3E-01	1.3E-07	1.0E-03	5.9E-11	1.6E-01	5.5E-03	5.1E-14	0.009064269
1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.1E-12	4.2E-01	1.3E-07	1.0E-03	5.9E-11	1.6E-01	5.5E-03	5.0E-14	0.012957522
1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12	4.1E-01	1.3E-07	1.0E-03	5.7E-11	1.6E-01	5.5E-03	4.9E-14	0.019202881
1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12	4.0E-01	1.3E-07	1.0E-03	5.5E-11	1.6E-01	5.5E-03	4.7E-14	0.027093169
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1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12	3.2E-01	1.3E-07	1.0E-03	4.4E-11	1.6E-01	5.5E-03	3.8E-14	0.025134989
1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.0E-12	3.0E-01	1.3E-07	1.0E-03	4.1E-11	1.6E-01	5.5E-03	3.5E-14	0.019430028
1.0E-03	1.0E-09	1.6E-01	5.5E-03	8.6E-13	2.7E-01	1.3E-07	1.0E-03	3.7E-11	1.6E-01	5.5E-03	3.2E-14	0.014543997
1.0E-03	8.3E-10	1.6E-01	5.5E-03	7.1E-13	2.4E-01	1.3E-07	1.0E-03	3.3E-11	1.6E-01	5.5E-03	2.9E-14	0.010659544
1.0E-03	7.4E-10	1.6E-01	5.5E-03	6.4E-13	2.3E-01	1.3E-07	1.0E-03	3.1E-11	1.6E-01	5.5E-03	2.7E-14	0.008888059
1.0E-03	6.3E-10	1.6E-01	5.5E-03	5.4E-13	2.1E-01	1.3E-07	1.0E-03	2.8E-11	1.6E-01	5.5E-03	2.4E-14	0.007038789
1.0E-03	4.1E-10	1.6E-01	5.5E-03	3.5E-13	3.1E-01	1.3E-07	1.0E-03	4.3E-11	1.6E-01	5.5E-03	3.7E-14	0.002935258
1.0E-03	4.8E-10	1.6E-01	5.5E-03	4.2E-13	3.3E-01	1.3E-07	1.0E-03	4.6E-11	1.6E-01	5.5E-03	4.0E-14	0.003583261
1.0E-03	5.7E-10	1.6E-01	5.5E-03	4.9E-13	3.5E-01	1.3E-07	1.0E-03	4.8E-11	1.6E-01	5.5E-03	4.1E-14	0.004451433
1.0E-03	6.9E-10	1.6E-01	5.5E-03	5.9E-13	3.6E-01	1.3E-07	1.0E-03	4.9E-11	1.6E-01	5.5E-03	4.3E-14	0.005619425
1.0E-03	8.2E-10	1.6E-01	5.5E-03	7.1E-13	3.6E-01	1.3E-07	1.0E-03	5.0E-11	1.6E-01	5.5E-03	4.3E-14	0.007309605
1.0E-03	9.6E-10	1.6E-01	5.5E-03	8.2E-13	3.6E-01	1.3E-07	1.0E-03	5.0E-11	1.6E-01	5.5E-03	4.3E-14	0.009893919
1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.3E-13	3.5E-01	1.3E-07	1.0E-03	4.9E-11	1.6E-01	5.5E-03	4.2E-14	0.013450357
1.0E-03	1.2E-09	1.6E-01	5.5E-03	9.9E-13	3.4E-01	1.3E-07	1.0E-03	4.7E-11	1.6E-01	5.5E-03	4.1E-14	0.017121398
1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.0E-12	3.3E-01	1.3E-07	1.0E-03	4.5E-11	1.6E-01	5.5E-03	3.9E-14	0.019851633
1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.9E-13	3.1E-01	1.3E-07	1.0E-03	4.3E-11	1.6E-01	5.5E-03	3.7E-14	0.020027437
1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.3E-13	2.9E-01	1.3E-07	1.0E-03	4.0E-11	1.6E-01	5.5E-03	3.5E-14	0.018362243
1.0E-03	9.9E-10	1.6E-01	5.5E-03	8.6E-13	2.7E-01	1.3E-07	1.0E-03	3.8E-11	1.6E-01	5.5E-03	3.2E-14	0.015503862
1.0E-03	8.8E-10	1.6E-01	5.5E-03	7.6E-13	2.5E-01	1.3E-07	1.0E-03	3.5E-11	1.6E-01	5.5E-03	3.0E-14	0.012424792
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1.0E-03	6.3E-10	1.6E-01	5.5E-03	5.4E-13	2.0E-01	1.3E-07	1.0E-03	2.8E-11	1.6E-01	5.5E-03	2.4E-14	0.007222795
1.0E-03	5.7E-10	1.6E-01	5.5E-03	4.9E-13	1.9E-01	1.3E-07	1.0E-03	2.7E-11	1.6E-01	5.5E-03	2.3E-14	0.006315628
1.0E-03	3.6E-10	1.6E-01	5.5E-03	3.1E-13	2.7E-01	1.3E-07	1.0E-03	3.8E-11	1.6E-01	5.5E-03	3.2E-14	0.002694875
1.0E-03	4.2E-10	1.6E-01	5.5E-03	3.6E-13	2.9E-01	1.3E-07	1.0E-03	4.0E-11	1.6E-01	5.5E-03	3.4E-14	0.003204334
1.0E-03	4.9E-10	1.6E-01	5.5E-03	4.2E-13	3.0E-01	1.3E-07	1.0E-03	4.1E-11	1.6E-01	5.5E-03	3.6E-14	0.003866838
1.0E-03	5.8E-10	1.6E-01	5.5E-03	5.0E-13	3.1E-01	1.3E-07	1.0E-03	4.2E-11	1.6E-01	5.5E-03	3.7E-14	0.004764608
1.0E-03	6.7E-10	1.6E-01	5.5E-03	5.8E-13	3.1E-01	1.3E-07	1.0E-03	4.3E-11	1.6E-01	5.5E-03	3.7E-14	0.005999428
1.0E-03	7.6E-10	1.6E-01	5.5E-03	6.6E-13	3.1E-01	1.3E-07	1.0E-03	4.3E-11	1.6E-01	5.5E-03	3.7E-14	0.007694102
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1.0E-03	9.0E-10	1.6E-01	5.5E-03	7.8E-13	3.0E-01	1.3E-07	1.0E-03	4.1E-11	1.6E-01	5.5E-03	3.6E-14	0.011863363
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1.0E-03	9.2E-10	1.6E-01	5.5E-03	7.9E-13	2.7E-01	1.3E-07	1.0E-03	3.8E-11	1.6E-01	5.5E-03	3.3E-14	0.013869465
1.0E-03	8.8E-10	1.6E-01	5.5E-03	7.6E-13	2.6E-01	1.3E-07	1.0E-03	3.6E-11	1.6E-01	5.5E-03	3.1E-14	0.013263828
1.0E-03	8.2E-10	1.6E-01	5.5E-03	7.1E-13	2.4E-01	1.3E-07	1.0E-03	3.4E-11	1.6E-01	5.5E-03	2.9E-14	0.011817152
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1.0E-03	6.7E-10	1.6E-01	5.5E-03	5.8E-13	2.1E-01	1.3E-07	1.0E-03	2.9E-11	1.6E-01	5.5E-03	2.5E-14	0.008304774
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1.0E-03	4.9E-10	1.6E-01	5.5E-03	4.2E-13	1.7E-01	1.3E-07	1.0E-03	2.4E-11	1.6E-01	5.5E-03	2.1E-14	0.005244234
1.0E-03	3.2E-10	1.6E-01	5.5E-03	2.8E-13	2.4E-01	1.3E-07	1.0E-03	3.3E-11	1.6E-01	5.5E-03	2.8E-14	0.002390729
1.0E-03	3.7E-10	1.6E-01	5.5E-03	3.2E-13	2.5E-01	1.3E-07	1.0E-03	3.5E-11	1.6E-01	5.5E-03	3.0E-14	0.002823102
1.0E-03	4.2E-10	1.6E-01	5.5E-03	3.7E-13	2.6E-01	1.3E-07	1.0E-03	3.6E-11	1.6E-01	5.5E-03	3.1E-14	0.003346547
1.0E-03	4.9E-10	1.6E-01	5.5E-03	4.2E-13	2.7E-01	1.3E-07	1.0E-03	3.7E-11	1.6E-01	5.5E-03	3.2E-14	0.004010498
1.0E-03	5.6E-10	1.6E-01	5.5E-03	4.8E-13	2.7E-01	1.3E-07	1.0E-03	3.7E-11	1.6E-01	5.5E-03	3.2E-14	0.004931678
1.0E-03	6.2E-10	1.6E-01	5.5E-03	5.4E-13	2.7E-01	1.3E-07	1.0E-03	3.7E-11	1.6E-01	5.5E-03	3.2E-14	0.006047164
1.0E-03	6.8E-10	1.6E-01	5.5E-03	5.9E-13	2.7E-01	1.3E-07	1.0E-03	3.7E-11	1.6E-01	5.5E-03	3.2E-14	0.007393765
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1.0E-03	7.2E-10	1.6E-01	5.5E-03	6.2E-13	2.3E-01	1.3E-07	1.0E-03	3.2E-11	1.6E-01	5.5E-03	2.8E-14	0.009852291
1.0E-03	6.9E-10	1.6E-01	5.5E-03	5.9E-13	2.2E-01	1.3E-07	1.0E-03	3.1E-11	1.6E-01	5.5E-03	2.6E-14	0.009135851
1.0E-03	6.4E-10	1.6E-01	5.5E-03	5.5E-13	2.1E-01	1.3E-07	1.0E-03	2.9E-11	1.6E-01	5.5E-03	2.5E-14	0.008133339
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1.0E-03	5.2E-10	1.6E-01	5.5E-03	4.5E-13	1.8E-01	1.3E-07	1.0E-03	2.5E-11	1.6E-01	5.5E-03	2.1E-14	0.005883591
1.0E-03	4.4E-10	1.6E-01	5.5E-03	3.8E-13	1.6E-01	1.3E-07	1.0E-03	2.2E-11	1.6E-01	5.5E-03	1.9E-14	0.004656514
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1.0E-03	3.2E-10	1.6E-01	5.5E-03	2.8E-13	2.2E-01	1.3E-07	1.0E-03	3.0E-11	1.6E-01	5.5E-03	2.6E-14	0.002494323
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1.0E-03	4.2E-10	1.6E-01	5.5E-03	3.6E-13	2.3E-01	1.3E-07	1.0E-03	3.2E-11	1.6E-01	5.5E-03	2.8E-14	0.003449612
1.0E-03	4.7E-10	1.6E-01	5.5E-03	4.1E-13	2.4E-01	1.3E-07	1.0E-03	3.3E-11	1.6E-01	5.5E-03	2.8E-14	0.004117409
1.0E-03	5.2E-10	1.6E-01	5.5E-03	4.5E-13	2.4E-01	1.3E-07	1.0E-03	3.3E-11	1.6E-01	5.5E-03	2.8E-14	0.004914629
1.0E-03	5.6E-10	1.6E-01	5.5E-03	4.9E-13	2.4E-01	1.3E-07	1.0E-03	3.3E-11	1.6E-01	5.5E-03	2.8E-14	0.005812083
1.0E-03	6.0E-10	1.6E-01	5.5E-03	5.1E-13	2.3E-01	1.3E-07	1.0E-03	3.2E-11	1.6E-01	5.5E-03	2.8E-14	0.006661629
1.0E-03	6.1E-10	1.6E-01	5.5E-03	5.3E-13	2.3E-01	1.3E-07	1.0E-03	3.1E-11	1.6E-01	5.5E-03	2.7E-14	0.007296247
1.0E-03	6.2E-10	1.6E-01	5.5E-03	5.3E-13	2.2E-01	1.3E-07	1.0E-03	3.0E-11	1.6E-01	5.5E-03	2.6E-14	0.007611314
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1.0E-03	5.8E-10	1.6E-01	5.5E-03	5.0E-13	2.0E-01	1.3E-07	1.0E-03	2.8E-11	1.6E-01	5.5E-03	2.4E-14	0.007206422
1.0E-03	5.5E-10	1.6E-01	5.5E-03	4.7E-13	1.9E-01	1.3E-07	1.0E-03	2.6E-11	1.6E-01	5.5E-03	2.3E-14	0.006618127
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1.0E-03	4.6E-10	1.6E-01	5.5E-03	4.0E-13	1.7E-01	1.3E-07	1.0E-03	2.3E-11	1.6E-01	5.5E-03	2.0E-14	0.005150989
1.0E-03	4.0E-10	1.6E-01	5.5E-03	3.5E-13	1.5E-01	1.3E-07	1.0E-03	2.1E-11	1.6E-01	5.5E-03	1.8E-14	0.004195058
1.0E-03	1.8E-08	1.6E-01	5.5E-03	1.6E-11	2.2E+00	1.3E-07	1.0E-03	3.0E-10	1.6E-01	5.5E-03	2.6E-13	0.012130256
1.0E-03	2.4E-08	1.6E-01	5.5E-03	2.0E-11	2.2E+00	1.3E-07	1.0E-03	3.0E-10	1.6E-01	5.5E-03	2.6E-13	0.012847566
1.0E-03	3.1E-08	1.6E-01	5.5E-03	2.7E-11	2.1E+00	1.3E-07	1.0E-03	2.9E-10	1.6E-01	5.5E-03	2.5E-13	0.013647538
1.0E-03	4.1E-08	1.6E-01	5.5E-03	3.5E-11	2.1E+00	1.3E-07	1.0E-03	2.8E-10	1.6E-01	5.5E-03	2.4E-13	0.014516595
1.0E-03	5.5E-08	1.6E-01	5.5E-03	4.7E-11	2.0E+00	1.3E-07	1.0E-03	2.8E-10	1.6E-01	5.5E-03	2.4E-13	0.015536383
1.0E-03	6.9E-08	1.6E-01	5.5E-03	6.0E-11	1.9E+00	1.3E-07	1.0E-03	2.7E-10	1.6E-01	5.5E-03	2.3E-13	0.016571175
1.0E-03	8.1E-08	1.6E-01	5.5E-03	7.0E-11	1.9E+00	1.3E-07	1.0E-03	2.6E-10	1.6E-01	5.5E-03	2.2E-13	0.017526564
1.0E-03	8.8E-08	1.6E-01	5.5E-03	7.5E-11	1.8E+00	1.3E-07	1.0E-03	2.5E-10	1.6E-01	5.5E-03	2.2E-13	0.018495772
1.0E-03	9.0E-08	1.6E-01	5.5E-03	7.7E-11	1.7E+00	1.3E-07	1.0E-03	2.4E-10	1.6E-01	5.5E-03	2.1E-13	0.019530593
1.0E-03	8.7E-08	1.6E-01	5.5E-03	7.5E-11	1.7E+00	1.3E-07	1.0E-03	2.3E-10	1.6E-01	5.5E-03	2.0E-13	0.020701299
1.0E-03	7.8E-08	1.6E-01	5.5E-03	6.7E-11	1.6E+00	1.3E-07	1.0E-03	2.2E-10	1.6E-01	5.5E-03	1.9E-13	0.022012623
1.0E-03	6.6E-08	1.6E-01	5.5E-03	5.7E-11	1.5E+00	1.3E-07	1.0E-03	2.1E-10	1.6E-01	5.5E-03	1.8E-13	0.023047807
1.0E-03	5.4E-08	1.6E-01	5.5E-03	4.7E-11	1.5E+00	1.3E-07	1.0E-03	2.0E-10	1.6E-01	5.5E-03	1.8E-13	0.024233446
1.0E-03	4.5E-08	1.6E-01	5.5E-03	3.8E-11	1.4E+00	1.3E-07	1.0E-03	2.0E-10	1.6E-01	5.5E-03	1.7E-13	0.025539043
1.0E-03	3.7E-08	1.6E-01	5.5E-03	3.2E-11	1.3E+00	1.3E-07	1.0E-03	1.9E-10	1.6E-01	5.5E-03	1.6E-13	0.027070989
1.0E-03	3.1E-08	1.6E-01	5.5E-03	2.6E-11	1.3E+00	1.3E-07	1.0E-03	1.8E-10	1.6E-01	5.5E-03	1.5E-13	0.02828201

1.0E-03	2.6E-08	1.6E-01	5.5E-03	2.2E-11	1.2E+00	1.3E-07	1.0E-03	1.7E-10	1.6E-01	5.5E-03	1.5E-13	0.029878817
1.0E-03	2.2E-08	1.6E-01	5.5E-03	1.9E-11	1.2E+00	1.3E-07	1.0E-03	1.6E-10	1.6E-01	5.5E-03	1.4E-13	0.031549765
1.0E-03	1.9E-08	1.6E-01	5.5E-03	1.6E-11	1.1E+00	1.3E-07	1.0E-03	1.5E-10	1.6E-01	5.5E-03	1.3E-13	0.032852814
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1.0E-03	1.4E-08	1.6E-01	5.5E-03	1.2E-11	1.0E+00	1.3E-07	1.0E-03	1.4E-10	1.6E-01	5.5E-03	1.2E-13	0.034302858
1.0E-03	1.2E-08	1.6E-01	5.5E-03	1.1E-11	9.5E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-03	1.1E-13	0.034606381
1.0E-03	1.1E-08	1.6E-01	5.5E-03	9.4E-12	9.1E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-03	1.1E-13	0.034794615
1.0E-03	9.7E-09	1.6E-01	5.5E-03	8.3E-12	8.7E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	5.5E-03	1.0E-13	0.034763879
1.0E-03	8.6E-09	1.6E-01	5.5E-03	7.4E-12	8.3E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.9E-14	0.03451565
1.0E-03	7.8E-09	1.6E-01	5.5E-03	6.7E-12	7.9E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.4E-14	0.03411968
1.0E-03	2.1E-08	1.6E-01	5.5E-03	1.8E-11	2.0E+00	1.3E-07	1.0E-03	2.8E-10	1.6E-01	5.5E-03	2.4E-13	0.013008905
1.0E-03	2.8E-08	1.6E-01	5.5E-03	2.4E-11	2.0E+00	1.3E-07	1.0E-03	2.8E-10	1.6E-01	5.5E-03	2.4E-13	0.013827406
1.0E-03	3.9E-08	1.6E-01	5.5E-03	3.3E-11	2.0E+00	1.3E-07	1.0E-03	2.7E-10	1.6E-01	5.5E-03	2.3E-13	0.014751935
1.0E-03	5.5E-08	1.6E-01	5.5E-03	4.8E-11	1.9E+00	1.3E-07	1.0E-03	2.7E-10	1.6E-01	5.5E-03	2.3E-13	0.015779619
1.0E-03	2.0E-08	1.6E-01	5.5E-03	1.7E-11	1.9E+00	1.3E-07	1.0E-03	2.6E-10	1.6E-01	5.5E-03	2.2E-13	0.016936763
1.0E-03	2.8E-08	1.6E-01	5.5E-03	2.4E-11	1.8E+00	1.3E-07	1.0E-03	2.5E-10	1.6E-01	5.5E-03	2.2E-13	0.018160126
1.0E-03	4.1E-08	1.6E-01	5.5E-03	3.5E-11	1.8E+00	1.3E-07	1.0E-03	2.4E-10	1.6E-01	5.5E-03	2.1E-13	0.019294306
1.0E-03	6.0E-08	1.6E-01	5.5E-03	5.1E-11	1.7E+00	1.3E-07	1.0E-03	2.4E-10	1.6E-01	5.5E-03	2.0E-13	0.020502669
1.0E-03	6.1E-08	1.6E-01	5.5E-03	5.2E-11	1.6E+00	1.3E-07	1.0E-03	2.3E-10	1.6E-01	5.5E-03	2.0E-13	0.021811596
1.0E-03	4.5E-08	1.6E-01	5.5E-03	3.9E-11	1.6E+00	1.3E-07	1.0E-03	2.2E-10	1.6E-01	5.5E-03	1.9E-13	0.023260218
1.0E-03	3.4E-08	1.6E-01	5.5E-03	2.9E-11	1.5E+00	1.3E-07	1.0E-03	2.1E-10	1.6E-01	5.5E-03	1.8E-13	0.024867226
1.0E-03	8.8E-08	1.6E-01	5.5E-03	7.6E-11	1.5E+00	1.3E-07	1.0E-03	2.0E-10	1.6E-01	5.5E-03	1.7E-13	0.02621762
1.0E-03	6.7E-08	1.6E-01	5.5E-03	5.7E-11	1.4E+00	1.3E-07	1.0E-03	1.9E-10	1.6E-01	5.5E-03	1.7E-13	0.02765012
1.0E-03	5.2E-08	1.6E-01	5.5E-03	4.4E-11	1.3E+00	1.3E-07	1.0E-03	1.9E-10	1.6E-01	5.5E-03	1.6E-13	0.029280259
1.0E-03	4.1E-08	1.6E-01	5.5E-03	3.5E-11	1.3E+00	1.3E-07	1.0E-03	1.8E-10	1.6E-01	5.5E-03	1.5E-13	0.031336184
1.0E-03	3.3E-08	1.6E-01	5.5E-03	2.8E-11	1.2E+00	1.3E-07	1.0E-03	1.7E-10	1.6E-01	5.5E-03	1.5E-13	0.032901064
1.0E-03	2.7E-08	1.6E-01	5.5E-03	2.3E-11	1.2E+00	1.3E-07	1.0E-03	1.6E-10	1.6E-01	5.5E-03	1.4E-13	0.034745078
1.0E-03	2.3E-08	1.6E-01	5.5E-03	2.0E-11	1.1E+00	1.3E-07	1.0E-03	1.6E-10	1.6E-01	5.5E-03	1.3E-13	0.036620168
1.0E-03	1.9E-08	1.6E-01	5.5E-03	1.7E-11	1.1E+00	1.3E-07	1.0E-03	1.5E-10	1.6E-01	5.5E-03	1.3E-13	0.038096164
1.0E-03	1.6E-08	1.6E-01	5.5E-03	1.4E-11	1.0E+00	1.3E-07	1.0E-03	1.4E-10	1.6E-01	5.5E-03	1.2E-13	0.038968205
1.0E-03	1.4E-08	1.6E-01	5.5E-03	1.2E-11	9.7E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-03	1.2E-13	0.039424573
1.0E-03	1.2E-08	1.6E-01	5.5E-03	1.1E-11	9.2E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-03	1.1E-13	0.039557027
1.0E-03	1.1E-08	1.6E-01	5.5E-03	9.3E-12	8.8E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	5.5E-03	1.1E-13	0.039528914
1.0E-03	9.6E-09	1.6E-01	5.5E-03	8.2E-12	8.4E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	5.5E-03	1.0E-13	0.039210695
1.0E-03	8.5E-09	1.6E-01	5.5E-03	7.3E-12	8.0E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.6E-14	0.038665571
1.0E-03	7.6E-09	1.6E-01	5.5E-03	6.6E-12	7.7E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.2E-14	0.037968428
1.0E-03	2.3E-08	1.6E-01	5.5E-03	2.0E-11	1.9E+00	1.3E-07	1.0E-03	2.6E-10	1.6E-01	5.5E-03	2.3E-13	0.013970061
1.0E-03	3.2E-08	1.6E-01	5.5E-03	2.8E-11	1.9E+00	1.3E-07	1.0E-03	2.6E-10	1.6E-01	5.5E-03	2.2E-13	0.014929713
1.0E-03	4.7E-08	1.6E-01	5.5E-03	4.0E-11	1.8E+00	1.3E-07	1.0E-03	2.5E-10	1.6E-01	5.5E-03	2.2E-13	0.016026237
1.0E-03	7.3E-08	1.6E-01	5.5E-03	6.3E-11	1.8E+00	1.3E-07	1.0E-03	2.5E-10	1.6E-01	5.5E-03	2.1E-13	0.01724994
1.0E-03	2.3E-08	1.6E-01	5.5E-03	2.0E-11	1.7E+00	1.3E-07	1.0E-03	2.4E-10	1.6E-01	5.5E-03	2.1E-13	0.01857954
1.0E-03	3.5E-08	1.6E-01	5.5E-03	3.0E-11	1.7E+00	1.3E-07	1.0E-03	2.4E-10	1.6E-01	5.5E-03	2.0E-13	0.020061238
1.0E-03	5.6E-08	1.6E-01	5.5E-03	4.8E-11	1.7E+00	1.3E-07	1.0E-03	2.3E-10	1.6E-01	5.5E-03	2.0E-13	0.02144088
1.0E-03	0.0E+00	1.6E-01	5.5E-03	0.0E+00	1.6E+00	1.3E-07	1.0E-03	2.2E-10	1.6E-01	5.5E-03	1.9E-13	0.022883791
1.0E-03	0.0E+00	1.6E-01	5.5E-03	0.0E+00	1.6E+00	1.3E-07	1.0E-03	2.1E-10	1.6E-01	5.5E-03	1.8E-13	0.024538705
1.0E-03	5.6E-08	1.6E-01	5.5E-03	4.8E-11	1.5E+00	1.3E-07	1.0E-03	2.1E-10	1.6E-01	5.5E-03	1.8E-13	0.026456555
1.0E-03	3.9E-08	1.6E-01	5.5E-03	3.3E-11	1.4E+00	1.3E-07	1.0E-03	2.0E-10	1.6E-01	5.5E-03	1.7E-13	0.02848069
1.0E-03	2.9E-08	1.6E-01	5.5E-03	2.5E-11	1.4E+00	1.3E-07	1.0E-03	1.9E-10	1.6E-01	5.5E-03	1.7E-13	0.030115125
1.0E-03	7.9E-08	1.6E-01	5.5E-03	6.8E-11	1.3E+00	1.3E-07	1.0E-03	1.8E-10	1.6E-01	5.5E-03	1.6E-13	0.032077824

1.0E-03	5.7E-08	1.6E-01	5.5E-03	4.9E-11	1.3E+00	1.3E-07	1.0E-03	1.8E-10	1.6E-01	5.5E-03	1.5E-13	0.034108904
1.0E-03	4.3E-08	1.6E-01	5.5E-03	3.7E-11	1.2E+00	1.3E-07	1.0E-03	1.7E-10	1.6E-01	5.5E-03	1.5E-13	0.03672807
1.0E-03	3.4E-08	1.6E-01	5.5E-03	3.0E-11	1.2E+00	1.3E-07	1.0E-03	1.6E-10	1.6E-01	5.5E-03	1.4E-13	0.038788499
1.0E-03	2.8E-08	1.6E-01	5.5E-03	2.4E-11	1.1E+00	1.3E-07	1.0E-03	1.6E-10	1.6E-01	5.5E-03	1.3E-13	0.040942267
1.0E-03	2.3E-08	1.6E-01	5.5E-03	2.0E-11	1.1E+00	1.3E-07	1.0E-03	1.5E-10	1.6E-01	5.5E-03	1.3E-13	0.043087297
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1.0E-03	1.6E-08	1.6E-01	5.5E-03	1.4E-11	9.8E-01	1.3E-07	1.0E-03	1.4E-10	1.6E-01	5.5E-03	1.2E-13	0.045352011
1.0E-03	1.4E-08	1.6E-01	5.5E-03	1.2E-11	9.4E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-03	1.1E-13	0.045555189
1.0E-03	1.2E-08	1.6E-01	5.5E-03	1.0E-11	9.0E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	5.5E-03	1.1E-13	0.045403973
1.0E-03	1.1E-08	1.6E-01	5.5E-03	9.1E-12	8.6E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	5.5E-03	1.0E-13	0.044996742
1.0E-03	9.4E-09	1.6E-01	5.5E-03	8.1E-12	8.2E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.7E-14	0.044282522
1.0E-03	8.3E-09	1.6E-01	5.5E-03	7.2E-12	7.8E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.3E-14	0.043341925
1.0E-03	7.4E-09	1.6E-01	5.5E-03	6.4E-12	7.5E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	5.5E-03	8.9E-14	0.042252057
1.0E-03	2.4E-08	1.6E-01	5.5E-03	2.1E-11	1.8E+00	1.3E-07	1.0E-03	2.5E-10	1.6E-01	5.5E-03	2.1E-13	0.014980658
1.0E-03	3.5E-08	1.6E-01	5.5E-03	3.0E-11	1.8E+00	1.3E-07	1.0E-03	2.4E-10	1.6E-01	5.5E-03	2.1E-13	0.016153575
1.0E-03	5.3E-08	1.6E-01	5.5E-03	4.6E-11	1.7E+00	1.3E-07	1.0E-03	2.4E-10	1.6E-01	5.5E-03	2.0E-13	0.017466802
1.0E-03	1.7E-08	1.6E-01	5.5E-03	1.5E-11	1.7E+00	1.3E-07	1.0E-03	2.3E-10	1.6E-01	5.5E-03	2.0E-13	0.018836735
1.0E-03	2.5E-08	1.6E-01	5.5E-03	2.2E-11	1.6E+00	1.3E-07	1.0E-03	2.3E-10	1.6E-01	5.5E-03	2.0E-13	0.020452427
1.0E-03	4.0E-08	1.6E-01	5.5E-03	3.5E-11	1.6E+00	1.3E-07	1.0E-03	2.2E-10	1.6E-01	5.5E-03	1.9E-13	0.022243865
1.0E-03	0.0E+00	1.6E-01	5.5E-03	0.0E+00	1.6E+00	1.3E-07	1.0E-03	2.2E-10	1.6E-01	5.5E-03	1.9E-13	0.0239676
1.0E-03	0.0E+00	1.6E-01	5.5E-03	0.0E+00	1.5E+00	1.3E-07	1.0E-03	2.1E-10	1.6E-01	5.5E-03	1.8E-13	0.025953465
1.0E-03	0.0E+00	1.6E-01	5.5E-03	0.0E+00	1.5E+00	1.3E-07	1.0E-03	2.0E-10	1.6E-01	5.5E-03	1.7E-13	0.028082892
1.0E-03	6.4E-08	1.6E-01	5.5E-03	5.5E-11	1.4E+00	1.3E-07	1.0E-03	2.0E-10	1.6E-01	5.5E-03	1.7E-13	0.030467112
1.0E-03	4.1E-08	1.6E-01	5.5E-03	3.6E-11	1.4E+00	1.3E-07	1.0E-03	1.9E-10	1.6E-01	5.5E-03	1.6E-13	0.032920971
1.0E-03	3.0E-08	1.6E-01	5.5E-03	2.6E-11	1.3E+00	1.3E-07	1.0E-03	1.8E-10	1.6E-01	5.5E-03	1.6E-13	0.035209875
1.0E-03	8.8E-08	1.6E-01	5.5E-03	7.6E-11	1.3E+00	1.3E-07	1.0E-03	1.8E-10	1.6E-01	5.5E-03	1.5E-13	0.03779864
1.0E-03	6.0E-08	1.6E-01	5.5E-03	5.2E-11	1.2E+00	1.3E-07	1.0E-03	1.7E-10	1.6E-01	5.5E-03	1.5E-13	0.040504155
1.0E-03	4.4E-08	1.6E-01	5.5E-03	3.8E-11	1.2E+00	1.3E-07	1.0E-03	1.6E-10	1.6E-01	5.5E-03	1.4E-13	0.043591169
1.0E-03	3.4E-08	1.6E-01	5.5E-03	3.0E-11	1.1E+00	1.3E-07	1.0E-03	1.6E-10	1.6E-01	5.5E-03	1.3E-13	0.046393522
1.0E-03	2.8E-08	1.6E-01	5.5E-03	2.4E-11	1.1E+00	1.3E-07	1.0E-03	1.5E-10	1.6E-01	5.5E-03	1.3E-13	0.049014264
1.0E-03	2.3E-08	1.6E-01	5.5E-03	1.9E-11	1.0E+00	1.3E-07	1.0E-03	1.4E-10	1.6E-01	5.5E-03	1.2E-13	0.051367315
1.0E-03	1.9E-08	1.6E-01	5.5E-03	1.6E-11	9.9E-01	1.3E-07	1.0E-03	1.4E-10	1.6E-01	5.5E-03	1.2E-13	0.052760121
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1.0E-03	1.4E-08	1.6E-01	5.5E-03	1.2E-11	9.1E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-03	1.1E-13	0.052939603
1.0E-03	1.2E-08	1.6E-01	5.5E-03	1.0E-11	8.7E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	5.5E-03	1.0E-13	0.052297261
1.0E-03	1.0E-08	1.6E-01	5.5E-03	8.9E-12	8.3E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.9E-14	0.05129485
1.0E-03	9.1E-09	1.6E-01	5.5E-03	7.8E-12	7.9E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.5E-14	0.050014819
1.0E-03	8.1E-09	1.6E-01	5.5E-03	6.9E-12	7.6E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.1E-14	0.048544462
1.0E-03	7.2E-09	1.6E-01	5.5E-03	6.2E-12	7.3E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	5.5E-03	8.7E-14	0.046942593
1.0E-03	2.4E-08	1.6E-01	5.5E-03	2.1E-11	1.7E+00	1.3E-07	1.0E-03	2.3E-10	1.6E-01	5.5E-03	2.0E-13	0.016030895
1.0E-03	3.5E-08	1.6E-01	5.5E-03	3.0E-11	1.6E+00	1.3E-07	1.0E-03	2.3E-10	1.6E-01	5.5E-03	2.0E-13	0.017425682
1.0E-03	5.4E-08	1.6E-01	5.5E-03	4.6E-11	1.6E+00	1.3E-07	1.0E-03	2.2E-10	1.6E-01	5.5E-03	1.9E-13	0.018980389
1.0E-03	1.7E-08	1.6E-01	5.5E-03	1.5E-11	1.6E+00	1.3E-07	1.0E-03	2.2E-10	1.6E-01	5.5E-03	1.9E-13	0.02063155
1.0E-03	2.6E-08	1.6E-01	5.5E-03	2.2E-11	1.5E+00	1.3E-07	1.0E-03	2.1E-10	1.6E-01	5.5E-03	1.8E-13	0.022603941
1.0E-03	2.6E-08	1.6E-01	5.5E-03	2.3E-11	1.0E+00	1.3E-07	1.0E-03	1.4E-10	1.6E-01	5.5E-03	1.2E-13	0.059714479
1.0E-03	2.2E-08	1.6E-01	5.5E-03	1.9E-11	1.0E+00	1.3E-07	1.0E-03	1.4E-10	1.6E-01	5.5E-03	1.2E-13	0.061981832
1.0E-03	1.8E-08	1.6E-01	5.5E-03	1.6E-11	9.5E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-03	1.1E-13	0.063005198
1.0E-03	1.5E-08	1.6E-01	5.5E-03	1.3E-11	9.2E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-03	1.1E-13	0.062781759
1.0E-03	1.3E-08	1.6E-01	5.5E-03	1.1E-11	8.8E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	5.5E-03	1.0E-13	0.061782881

1.0E-03	1.1E-08	1.6E-01	5.5E-03	9.7E-12	8.4E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	5.5E-03	1.0E-13	0.060283839
1.0E-03	9.9E-09	1.6E-01	5.5E-03	8.5E-12	8.1E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.6E-14	0.058449004
1.0E-03	8.7E-09	1.6E-01	5.5E-03	7.5E-12	7.7E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.2E-14	0.05641267
1.0E-03	7.7E-09	1.6E-01	5.5E-03	6.7E-12	7.4E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	5.5E-03	8.8E-14	0.054249509
1.0E-03	6.9E-09	1.6E-01	5.5E-03	6.0E-12	7.1E-01	1.3E-07	1.0E-03	9.8E-11	1.6E-01	5.5E-03	8.5E-14	0.052000482
1.0E-03	2.3E-08	1.6E-01	5.5E-03	2.0E-11	1.6E+00	1.3E-07	1.0E-03	2.2E-10	1.6E-01	5.5E-03	1.9E-13	0.017215196
1.0E-03	3.3E-08	1.6E-01	5.5E-03	2.8E-11	1.5E+00	1.3E-07	1.0E-03	2.1E-10	1.6E-01	5.5E-03	1.8E-13	0.018770041
1.0E-03	4.9E-08	1.6E-01	5.5E-03	4.2E-11	1.5E+00	1.3E-07	1.0E-03	2.1E-10	1.6E-01	5.5E-03	1.8E-13	0.02056719
1.0E-03	1.6E-08	1.6E-01	5.5E-03	1.4E-11	1.5E+00	1.3E-07	1.0E-03	2.1E-10	1.6E-01	5.5E-03	1.8E-13	0.022525839
1.0E-03	2.4E-08	1.6E-01	5.5E-03	2.0E-11	1.5E+00	1.3E-07	1.0E-03	2.0E-10	1.6E-01	5.5E-03	1.7E-13	0.024941244
1.0E-03	2.5E-08	1.6E-01	5.5E-03	2.1E-11	1.0E+00	1.3E-07	1.0E-03	1.4E-10	1.6E-01	5.5E-03	1.2E-13	0.073985526
1.0E-03	2.0E-08	1.6E-01	5.5E-03	1.7E-11	9.6E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-03	1.1E-13	0.075851541
1.0E-03	1.7E-08	1.6E-01	5.5E-03	1.5E-11	9.2E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-03	1.1E-13	0.075917799
1.0E-03	1.4E-08	1.6E-01	5.5E-03	1.2E-11	8.8E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	5.5E-03	1.1E-13	0.074454669
1.0E-03	1.2E-08	1.6E-01	5.5E-03	1.1E-11	8.5E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	5.5E-03	1.0E-13	0.072148208
1.0E-03	1.1E-08	1.6E-01	5.5E-03	9.2E-12	8.1E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.7E-14	0.069444871
1.0E-03	9.4E-09	1.6E-01	5.5E-03	8.1E-12	7.8E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.3E-14	0.066452716
1.0E-03	8.3E-09	1.6E-01	5.5E-03	7.1E-12	7.5E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	5.5E-03	8.9E-14	0.063394558
1.0E-03	7.4E-09	1.6E-01	5.5E-03	6.3E-12	7.2E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	5.5E-03	8.6E-14	0.060371857
1.0E-03	6.6E-09	1.6E-01	5.5E-03	5.7E-12	6.9E-01	1.3E-07	1.0E-03	9.6E-11	1.6E-01	5.5E-03	8.2E-14	0.057341028
1.0E-03	2.1E-08	1.6E-01	5.5E-03	1.8E-11	1.5E+00	1.3E-07	1.0E-03	2.0E-10	1.6E-01	5.5E-03	1.8E-13	0.018321994
1.0E-03	2.8E-08	1.6E-01	5.5E-03	2.5E-11	1.5E+00	1.3E-07	1.0E-03	2.0E-10	1.6E-01	5.5E-03	1.7E-13	0.020011435
1.0E-03	4.0E-08	1.6E-01	5.5E-03	3.4E-11	1.4E+00	1.3E-07	1.0E-03	2.0E-10	1.6E-01	5.5E-03	1.7E-13	0.022062142
1.0E-03	5.8E-08	1.6E-01	5.5E-03	5.0E-11	1.4E+00	1.3E-07	1.0E-03	1.9E-10	1.6E-01	5.5E-03	1.7E-13	0.024425194
1.0E-03	2.0E-08	1.6E-01	5.5E-03	1.7E-11	1.4E+00	1.3E-07	1.0E-03	1.9E-10	1.6E-01	5.5E-03	1.6E-13	0.027164157
1.0E-03	2.2E-08	1.6E-01	5.5E-03	1.9E-11	9.6E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-03	1.1E-13	0.093541496
1.0E-03	1.9E-08	1.6E-01	5.5E-03	1.6E-11	9.2E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-03	1.1E-13	0.093988946
1.0E-03	1.6E-08	1.6E-01	5.5E-03	1.3E-11	8.9E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	5.5E-03	1.1E-13	0.092141971
1.0E-03	1.3E-08	1.6E-01	5.5E-03	1.2E-11	8.5E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	5.5E-03	1.0E-13	0.088558153
1.0E-03	1.2E-08	1.6E-01	5.5E-03	9.9E-12	8.2E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.8E-14	0.084272328
1.0E-03	1.0E-08	1.6E-01	5.5E-03	8.7E-12	7.9E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.4E-14	0.07990042
1.0E-03	8.8E-09	1.6E-01	5.5E-03	7.6E-12	7.6E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.0E-14	0.075396431
1.0E-03	7.8E-09	1.6E-01	5.5E-03	6.7E-12	7.3E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	5.5E-03	8.7E-14	0.070898728
1.0E-03	7.0E-09	1.6E-01	5.5E-03	6.0E-12	7.0E-01	1.3E-07	1.0E-03	9.7E-11	1.6E-01	5.5E-03	8.4E-14	0.066839098
1.0E-03	6.2E-09	1.6E-01	5.5E-03	5.4E-12	6.7E-01	1.3E-07	1.0E-03	9.3E-11	1.6E-01	5.5E-03	8.0E-14	0.062933362
1.0E-03	1.9E-08	1.6E-01	5.5E-03	1.6E-11	1.4E+00	1.3E-07	1.0E-03	1.9E-10	1.6E-01	5.5E-03	1.7E-13	0.01950416
1.0E-03	2.4E-08	1.6E-01	5.5E-03	2.1E-11	1.4E+00	1.3E-07	1.0E-03	1.9E-10	1.6E-01	5.5E-03	1.6E-13	0.021475485
1.0E-03	3.2E-08	1.6E-01	5.5E-03	2.7E-11	1.4E+00	1.3E-07	1.0E-03	1.9E-10	1.6E-01	5.5E-03	1.6E-13	0.023824985
1.0E-03	4.2E-08	1.6E-01	5.5E-03	3.6E-11	1.3E+00	1.3E-07	1.0E-03	1.8E-10	1.6E-01	5.5E-03	1.6E-13	0.026556089
1.0E-03	5.6E-08	1.6E-01	5.5E-03	4.8E-11	1.3E+00	1.3E-07	1.0E-03	1.8E-10	1.6E-01	5.5E-03	1.6E-13	0.029934449
1.0E-03	2.0E-08	1.6E-01	5.5E-03	1.7E-11	9.2E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-03	1.1E-13	0.121421761
1.0E-03	1.7E-08	1.6E-01	5.5E-03	1.4E-11	8.9E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	5.5E-03	1.1E-13	0.11795956
1.0E-03	1.4E-08	1.6E-01	5.5E-03	1.2E-11	8.6E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	5.5E-03	1.0E-13	0.112169452
1.0E-03	1.2E-08	1.6E-01	5.5E-03	1.1E-11	8.3E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.8E-14	0.105157438
1.0E-03	1.1E-08	1.6E-01	5.5E-03	9.2E-12	8.0E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.5E-14	0.098141577
1.0E-03	9.4E-09	1.6E-01	5.5E-03	8.1E-12	7.7E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.1E-14	0.091408651
1.0E-03	8.3E-09	1.6E-01	5.5E-03	7.1E-12	7.4E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	5.5E-03	8.8E-14	0.085110147
1.0E-03	7.3E-09	1.6E-01	5.5E-03	6.3E-12	7.1E-01	1.3E-07	1.0E-03	9.8E-11	1.6E-01	5.5E-03	8.4E-14	0.078992181
1.0E-03	6.6E-09	1.6E-01	5.5E-03	5.6E-12	6.8E-01	1.3E-07	1.0E-03	9.4E-11	1.6E-01	5.5E-03	8.1E-14	0.073613075

1.0E-03	5.9E-09	1.6E-01	5.5E-03	5.1E-12	6.6E-01	1.3E-07	1.0E-03	9.1E-11	1.6E-01	5.5E-03	7.8E-14	0.068709875
1.0E-03	1.6E-08	1.6E-01	5.5E-03	1.4E-11	1.3E+00	1.3E-07	1.0E-03	1.8E-10	1.6E-01	5.5E-03	1.6E-13	0.020701919
1.0E-03	2.0E-08	1.6E-01	5.5E-03	1.7E-11	1.3E+00	1.3E-07	1.0E-03	1.8E-10	1.6E-01	5.5E-03	1.5E-13	0.022961241
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1.0E-03	3.1E-08	1.6E-01	5.5E-03	2.7E-11	1.3E+00	1.3E-07	1.0E-03	1.7E-10	1.6E-01	5.5E-03	1.5E-13	0.028779382
1.0E-03	3.9E-08	1.6E-01	5.5E-03	3.4E-11	1.2E+00	1.3E-07	1.0E-03	1.7E-10	1.6E-01	5.5E-03	1.5E-13	0.03285698
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1.0E-03	1.3E-08	1.6E-01	5.5E-03	1.1E-11	8.3E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.9E-14	0.136099277
1.0E-03	1.1E-08	1.6E-01	5.5E-03	9.7E-12	8.0E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.5E-14	0.124116426
1.0E-03	9.9E-09	1.6E-01	5.5E-03	8.5E-12	7.7E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.2E-14	0.11336935
1.0E-03	8.7E-09	1.6E-01	5.5E-03	7.5E-12	7.4E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	5.5E-03	8.9E-14	0.103805953
1.0E-03	7.7E-09	1.6E-01	5.5E-03	6.7E-12	7.2E-01	1.3E-07	1.0E-03	9.9E-11	1.6E-01	5.5E-03	8.5E-14	0.095449367
1.0E-03	6.9E-09	1.6E-01	5.5E-03	5.9E-12	6.9E-01	1.3E-07	1.0E-03	9.5E-11	1.6E-01	5.5E-03	8.2E-14	0.087688249
1.0E-03	6.2E-09	1.6E-01	5.5E-03	5.3E-12	6.6E-01	1.3E-07	1.0E-03	9.2E-11	1.6E-01	5.5E-03	7.9E-14	0.080685662
1.0E-03	5.6E-09	1.6E-01	5.5E-03	4.8E-12	6.4E-01	1.3E-07	1.0E-03	8.9E-11	1.6E-01	5.5E-03	7.6E-14	0.074552053
1.0E-03	1.4E-08	1.6E-01	5.5E-03	1.2E-11	1.2E+00	1.3E-07	1.0E-03	1.7E-10	1.6E-01	5.5E-03	1.5E-13	0.021885069
1.0E-03	1.7E-08	1.6E-01	5.5E-03	1.4E-11	1.2E+00	1.3E-07	1.0E-03	1.7E-10	1.6E-01	5.5E-03	1.5E-13	0.024450207
1.0E-03	2.0E-08	1.6E-01	5.5E-03	1.7E-11	1.2E+00	1.3E-07	1.0E-03	1.7E-10	1.6E-01	5.5E-03	1.4E-13	0.027597291
1.0E-03	2.4E-08	1.6E-01	5.5E-03	2.1E-11	1.2E+00	1.3E-07	1.0E-03	1.7E-10	1.6E-01	5.5E-03	1.4E-13	0.031239827
1.0E-03	2.9E-08	1.6E-01	5.5E-03	2.5E-11	1.2E+00	1.3E-07	1.0E-03	1.6E-10	1.6E-01	5.5E-03	1.4E-13	0.036017264
1.0E-03	1.5E-08	1.6E-01	5.5E-03	1.3E-11	8.5E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	5.5E-03	1.0E-13	0.21106929
1.0E-03	1.3E-08	1.6E-01	5.5E-03	1.1E-11	8.3E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.9E-14	0.185502858
1.0E-03	1.2E-08	1.6E-01	5.5E-03	1.0E-11	8.0E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.5E-14	0.163017573
1.0E-03	1.0E-08	1.6E-01	5.5E-03	8.8E-12	7.7E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.2E-14	0.144634845
1.0E-03	9.0E-09	1.6E-01	5.5E-03	7.8E-12	7.5E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	5.5E-03	8.9E-14	0.129456796
1.0E-03	8.0E-09	1.6E-01	5.5E-03	6.9E-12	7.2E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	5.5E-03	8.6E-14	0.116859523
1.0E-03	7.2E-09	1.6E-01	5.5E-03	6.2E-12	7.0E-01	1.3E-07	1.0E-03	9.6E-11	1.6E-01	5.5E-03	8.3E-14	0.106128825
1.0E-03	6.5E-09	1.6E-01	5.5E-03	5.6E-12	6.7E-01	1.3E-07	1.0E-03	9.3E-11	1.6E-01	5.5E-03	8.0E-14	0.096651858
1.0E-03	5.8E-09	1.6E-01	5.5E-03	5.0E-12	6.5E-01	1.3E-07	1.0E-03	8.9E-11	1.6E-01	5.5E-03	7.7E-14	0.087977137
1.0E-03	5.3E-09	1.6E-01	5.5E-03	4.5E-12	6.2E-01	1.3E-07	1.0E-03	8.6E-11	1.6E-01	5.5E-03	7.4E-14	0.080462149
1.0E-03	1.2E-08	1.6E-01	5.5E-03	1.0E-11	1.2E+00	1.3E-07	1.0E-03	1.6E-10	1.6E-01	5.5E-03	1.4E-13	0.023003186
1.0E-03	1.4E-08	1.6E-01	5.5E-03	1.2E-11	1.2E+00	1.3E-07	1.0E-03	1.6E-10	1.6E-01	5.5E-03	1.4E-13	0.025869507
1.0E-03	1.6E-08	1.6E-01	5.5E-03	1.4E-11	1.2E+00	1.3E-07	1.0E-03	1.6E-10	1.6E-01	5.5E-03	1.4E-13	0.029303865
1.0E-03	1.9E-08	1.6E-01	5.5E-03	1.6E-11	1.1E+00	1.3E-07	1.0E-03	1.6E-10	1.6E-01	5.5E-03	1.4E-13	0.033624415
1.0E-03	2.2E-08	1.6E-01	5.5E-03	1.9E-11	1.1E+00	1.3E-07	1.0E-03	1.5E-10	1.6E-01	5.5E-03	1.3E-13	0.039337711
1.0E-03	1.3E-08	1.6E-01	5.5E-03	1.1E-11	8.2E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.8E-14	0.270011693
1.0E-03	1.2E-08	1.6E-01	5.5E-03	1.0E-11	8.0E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.5E-14	0.224598574
1.0E-03	1.0E-08	1.6E-01	5.5E-03	9.0E-12	7.7E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.2E-14	0.190767078
1.0E-03	9.3E-09	1.6E-01	5.5E-03	8.0E-12	7.5E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	5.5E-03	8.9E-14	0.165651079
1.0E-03	8.3E-09	1.6E-01	5.5E-03	7.1E-12	7.2E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	5.5E-03	8.6E-14	0.14600384
1.0E-03	7.4E-09	1.6E-01	5.5E-03	6.4E-12	7.0E-01	1.3E-07	1.0E-03	9.7E-11	1.6E-01	5.5E-03	8.3E-14	0.130197063
1.0E-03	6.7E-09	1.6E-01	5.5E-03	5.8E-12	6.8E-01	1.3E-07	1.0E-03	9.3E-11	1.6E-01	5.5E-03	8.0E-14	0.116894921
1.0E-03	6.0E-09	1.6E-01	5.5E-03	5.2E-12	6.5E-01	1.3E-07	1.0E-03	9.0E-11	1.6E-01	5.5E-03	7.8E-14	0.105528631
1.0E-03	5.5E-09	1.6E-01	5.5E-03	4.7E-12	6.3E-01	1.3E-07	1.0E-03	8.7E-11	1.6E-01	5.5E-03	7.5E-14	0.095518583
1.0E-03	5.0E-09	1.6E-01	5.5E-03	4.3E-12	6.1E-01	1.3E-07	1.0E-03	8.4E-11	1.6E-01	5.5E-03	7.2E-14	0.086432103
1.0E-03	1.0E-08	1.6E-01	5.5E-03	8.6E-12	1.1E+00	1.3E-07	1.0E-03	1.6E-10	1.6E-01	5.5E-03	1.3E-13	0.024057542
1.0E-03	1.2E-08	1.6E-01	5.5E-03	1.0E-11	1.1E+00	1.3E-07	1.0E-03	1.5E-10	1.6E-01	5.5E-03	1.3E-13	0.027247422
1.0E-03	1.3E-08	1.6E-01	5.5E-03	1.2E-11	1.1E+00	1.3E-07	1.0E-03	1.5E-10	1.6E-01	5.5E-03	1.3E-13	0.031087939

1.0E-03	1.5E-08	1.6E-01	5.5E-03	1.3E-11	1.1E+00	1.3E-07	1.0E-03	1.5E-10	1.6E-01	5.5E-03	1.3E-13	0.036092727
1.0E-03	1.8E-08	1.6E-01	5.5E-03	1.5E-11	1.1E+00	1.3E-07	1.0E-03	1.5E-10	1.6E-01	5.5E-03	1.3E-13	0.042726408
1.0E-03	1.2E-08	1.6E-01	5.5E-03	1.0E-11	7.9E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.5E-14	0.323362956
1.0E-03	1.0E-08	1.6E-01	5.5E-03	9.0E-12	7.7E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.2E-14	0.260829542
1.0E-03	9.4E-09	1.6E-01	5.5E-03	8.1E-12	7.5E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	5.5E-03	8.9E-14	0.21729325
1.0E-03	8.5E-09	1.6E-01	5.5E-03	7.3E-12	7.2E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	5.5E-03	8.6E-14	0.186131719
1.0E-03	7.6E-09	1.6E-01	5.5E-03	6.6E-12	7.0E-01	1.3E-07	1.0E-03	9.7E-11	1.6E-01	5.5E-03	8.3E-14	0.162373402
1.0E-03	6.9E-09	1.6E-01	5.5E-03	5.9E-12	6.8E-01	1.3E-07	1.0E-03	9.4E-11	1.6E-01	5.5E-03	8.1E-14	0.143483603
1.0E-03	6.2E-09	1.6E-01	5.5E-03	5.4E-12	6.6E-01	1.3E-07	1.0E-03	9.1E-11	1.6E-01	5.5E-03	7.8E-14	0.127379379
1.0E-03	5.6E-09	1.6E-01	5.5E-03	4.9E-12	6.3E-01	1.3E-07	1.0E-03	8.8E-11	1.6E-01	5.5E-03	7.6E-14	0.114136371
1.0E-03	5.1E-09	1.6E-01	5.5E-03	4.4E-12	6.1E-01	1.3E-07	1.0E-03	8.5E-11	1.6E-01	5.5E-03	7.3E-14	0.102676573
1.0E-03	4.7E-09	1.6E-01	5.5E-03	4.0E-12	5.9E-01	1.3E-07	1.0E-03	8.2E-11	1.6E-01	5.5E-03	7.1E-14	0.092235755
1.0E-03	8.7E-09	1.6E-01	5.5E-03	7.5E-12	1.1E+00	1.3E-07	1.0E-03	1.5E-10	1.6E-01	5.5E-03	1.3E-13	0.025098523
1.0E-03	9.9E-09	1.6E-01	5.5E-03	8.5E-12	1.1E+00	1.3E-07	1.0E-03	1.5E-10	1.6E-01	5.5E-03	1.3E-13	0.028598677
1.0E-03	1.1E-08	1.6E-01	5.5E-03	9.7E-12	1.0E+00	1.3E-07	1.0E-03	1.4E-10	1.6E-01	5.5E-03	1.2E-13	0.032989065
1.0E-03	1.3E-08	1.6E-01	5.5E-03	1.1E-11	1.0E+00	1.3E-07	1.0E-03	1.4E-10	1.6E-01	5.5E-03	1.2E-13	0.038663638
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1.0E-03	1.0E-08	1.6E-01	5.5E-03	8.9E-12	7.7E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.1E-14	0.36428207
1.0E-03	9.4E-09	1.6E-01	5.5E-03	8.1E-12	7.4E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	5.5E-03	8.9E-14	0.291022846
1.0E-03	8.5E-09	1.6E-01	5.5E-03	7.3E-12	7.2E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	5.5E-03	8.6E-14	0.24172237
1.0E-03	7.7E-09	1.6E-01	5.5E-03	6.6E-12	7.0E-01	1.3E-07	1.0E-03	9.7E-11	1.6E-01	5.5E-03	8.3E-14	0.205925629
1.0E-03	7.0E-09	1.6E-01	5.5E-03	6.0E-12	6.8E-01	1.3E-07	1.0E-03	9.4E-11	1.6E-01	5.5E-03	8.1E-14	0.178451507
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1.0E-03	5.8E-09	1.6E-01	5.5E-03	5.0E-12	6.4E-01	1.3E-07	1.0E-03	8.8E-11	1.6E-01	5.5E-03	7.6E-14	0.13803161
1.0E-03	5.3E-09	1.6E-01	5.5E-03	4.6E-12	6.2E-01	1.3E-07	1.0E-03	8.5E-11	1.6E-01	5.5E-03	7.4E-14	0.122507019
1.0E-03	4.8E-09	1.6E-01	5.5E-03	4.2E-12	6.0E-01	1.3E-07	1.0E-03	8.3E-11	1.6E-01	5.5E-03	7.1E-14	0.10922659
1.0E-03	4.4E-09	1.6E-01	5.5E-03	3.8E-12	5.8E-01	1.3E-07	1.0E-03	8.0E-11	1.6E-01	5.5E-03	6.9E-14	0.097389374
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1.0E-03	8.5E-09	1.6E-01	5.5E-03	7.3E-12	1.0E+00	1.3E-07	1.0E-03	1.4E-10	1.6E-01	5.5E-03	1.2E-13	0.029715656
1.0E-03	9.5E-09	1.6E-01	5.5E-03	8.2E-12	9.9E-01	1.3E-07	1.0E-03	1.4E-10	1.6E-01	5.5E-03	1.2E-13	0.034373251
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1.0E-03	1.2E-08	1.6E-01	5.5E-03	1.0E-11	9.7E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-03	1.2E-13	0.049021656
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1.0E-03	7.7E-09	1.6E-01	5.5E-03	6.6E-12	7.0E-01	1.3E-07	1.0E-03	9.7E-11	1.6E-01	5.5E-03	8.3E-14	0.266388884
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1.0E-03	5.9E-09	1.6E-01	5.5E-03	5.1E-12	6.4E-01	1.3E-07	1.0E-03	8.8E-11	1.6E-01	5.5E-03	7.6E-14	0.169681911
1.0E-03	5.4E-09	1.6E-01	5.5E-03	4.6E-12	6.2E-01	1.3E-07	1.0E-03	8.6E-11	1.6E-01	5.5E-03	7.4E-14	0.148506833
1.0E-03	5.0E-09	1.6E-01	5.5E-03	4.3E-12	6.0E-01	1.3E-07	1.0E-03	8.3E-11	1.6E-01	5.5E-03	7.2E-14	0.130630877
1.0E-03	4.5E-09	1.6E-01	5.5E-03	3.9E-12	5.8E-01	1.3E-07	1.0E-03	8.1E-11	1.6E-01	5.5E-03	6.9E-14	0.115250187
1.0E-03	4.2E-09	1.6E-01	5.5E-03	3.6E-12	5.6E-01	1.3E-07	1.0E-03	7.8E-11	1.6E-01	5.5E-03	6.7E-14	0.101576264
1.0E-03	6.7E-09	1.6E-01	5.5E-03	5.7E-12	9.7E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-03	1.2E-13	0.02673267
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1.0E-03	8.3E-09	1.6E-01	5.5E-03	7.1E-12	9.5E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-03	1.1E-13	0.035834384
1.0E-03	9.1E-09	1.6E-01	5.5E-03	7.9E-12	9.4E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-03	1.1E-13	0.042559725
1.0E-03	1.0E-08	1.6E-01	5.5E-03	8.6E-12	9.2E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-03	1.1E-13	0.051796396
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1.0E-03	7.6E-09	1.6E-01	5.5E-03	6.6E-12	6.9E-01	1.3E-07	1.0E-03	9.6E-11	1.6E-01	5.5E-03	8.3E-14	0.35166878

1.0E-03	7.0E-09	1.6E-01	5.5E-03	6.0E-12	6.7E-01	1.3E-07	1.0E-03	9.3E-11	1.6E-01	5.5E-03	8.0E-14	0.289765363
1.0E-03	6.4E-09	1.6E-01	5.5E-03	5.5E-12	6.6E-01	1.3E-07	1.0E-03	9.1E-11	1.6E-01	5.5E-03	7.8E-14	0.242869024
1.0E-03	5.9E-09	1.6E-01	5.5E-03	5.1E-12	6.4E-01	1.3E-07	1.0E-03	8.8E-11	1.6E-01	5.5E-03	7.6E-14	0.207628908
1.0E-03	5.4E-09	1.6E-01	5.5E-03	4.7E-12	6.2E-01	1.3E-07	1.0E-03	8.6E-11	1.6E-01	5.5E-03	7.4E-14	0.179887193
1.0E-03	5.0E-09	1.6E-01	5.5E-03	4.3E-12	6.0E-01	1.3E-07	1.0E-03	8.3E-11	1.6E-01	5.5E-03	7.2E-14	0.156536025
1.0E-03	4.6E-09	1.6E-01	5.5E-03	4.0E-12	5.8E-01	1.3E-07	1.0E-03	8.1E-11	1.6E-01	5.5E-03	6.9E-14	0.1371238
1.0E-03	4.3E-09	1.6E-01	5.5E-03	3.7E-12	5.7E-01	1.3E-07	1.0E-03	7.8E-11	1.6E-01	5.5E-03	6.7E-14	0.119512473
1.0E-03	3.9E-09	1.6E-01	5.5E-03	3.4E-12	5.5E-01	1.3E-07	1.0E-03	7.6E-11	1.6E-01	5.5E-03	6.5E-14	0.104214695
1.0E-03	5.9E-09	1.6E-01	5.5E-03	5.1E-12	9.2E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-03	1.1E-13	0.027299576
1.0E-03	6.5E-09	1.6E-01	5.5E-03	5.6E-12	9.2E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-03	1.1E-13	0.031521107
1.0E-03	7.2E-09	1.6E-01	5.5E-03	6.2E-12	9.0E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-03	1.1E-13	0.0370635
1.0E-03	7.9E-09	1.6E-01	5.5E-03	6.8E-12	8.9E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	5.5E-03	1.1E-13	0.044185751
1.0E-03	8.5E-09	1.6E-01	5.5E-03	7.3E-12	8.8E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	5.5E-03	1.1E-13	0.053845114
1.0E-03	7.4E-09	1.6E-01	5.5E-03	6.4E-12	6.9E-01	1.3E-07	1.0E-03	9.5E-11	1.6E-01	5.5E-03	8.2E-14	0.479020099
1.0E-03	6.9E-09	1.6E-01	5.5E-03	5.9E-12	6.7E-01	1.3E-07	1.0E-03	9.3E-11	1.6E-01	5.5E-03	8.0E-14	0.386805303
1.0E-03	6.4E-09	1.6E-01	5.5E-03	5.5E-12	6.5E-01	1.3E-07	1.0E-03	9.0E-11	1.6E-01	5.5E-03	7.8E-14	0.316464959
1.0E-03	5.9E-09	1.6E-01	5.5E-03	5.1E-12	6.3E-01	1.3E-07	1.0E-03	8.8E-11	1.6E-01	5.5E-03	7.6E-14	0.262933148
1.0E-03	5.4E-09	1.6E-01	5.5E-03	4.6E-12	6.1E-01	1.3E-07	1.0E-03	8.5E-11	1.6E-01	5.5E-03	7.3E-14	0.215813514
1.0E-03	5.0E-09	1.6E-01	5.5E-03	4.3E-12	6.0E-01	1.3E-07	1.0E-03	8.3E-11	1.6E-01	5.5E-03	7.1E-14	0.182980344
1.0E-03	4.6E-09	1.6E-01	5.5E-03	4.0E-12	5.8E-01	1.3E-07	1.0E-03	8.0E-11	1.6E-01	5.5E-03	6.9E-14	0.158863629
1.0E-03	4.3E-09	1.6E-01	5.5E-03	3.7E-12	5.6E-01	1.3E-07	1.0E-03	7.8E-11	1.6E-01	5.5E-03	6.7E-14	0.13784825
1.0E-03	4.0E-09	1.6E-01	5.5E-03	3.4E-12	5.5E-01	1.3E-07	1.0E-03	7.6E-11	1.6E-01	5.5E-03	6.5E-14	0.119973349
1.0E-03	3.7E-09	1.6E-01	5.5E-03	3.1E-12	5.3E-01	1.3E-07	1.0E-03	7.3E-11	1.6E-01	5.5E-03	6.3E-14	0.103978815
1.0E-03	5.3E-09	1.6E-01	5.5E-03	4.5E-12	8.8E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	5.5E-03	1.1E-13	0.027683337
1.0E-03	5.8E-09	1.6E-01	5.5E-03	5.0E-12	8.7E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	5.5E-03	1.0E-13	0.032061343
1.0E-03	6.3E-09	1.6E-01	5.5E-03	5.4E-12	8.6E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	5.5E-03	1.0E-13	0.037737163
1.0E-03	6.9E-09	1.6E-01	5.5E-03	5.9E-12	8.5E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	5.5E-03	1.0E-13	0.045326547
1.0E-03	7.4E-09	1.6E-01	5.5E-03	6.3E-12	8.4E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	5.5E-03	1.0E-13	0.055194092
1.0E-03	6.2E-09	1.6E-01	5.5E-03	5.4E-12	6.5E-01	1.3E-07	1.0E-03	9.0E-11	1.6E-01	5.5E-03	7.7E-14	0.438717807
1.0E-03	5.8E-09	1.6E-01	5.5E-03	5.0E-12	6.3E-01	1.3E-07	1.0E-03	8.7E-11	1.6E-01	5.5E-03	7.5E-14	0.355404632
1.0E-03	5.4E-09	1.6E-01	5.5E-03	4.6E-12	6.1E-01	1.3E-07	1.0E-03	8.5E-11	1.6E-01	5.5E-03	7.3E-14	0.285778538
1.0E-03	4.8E-09	1.6E-01	5.5E-03	4.2E-12	5.9E-01	1.3E-07	1.0E-03	8.2E-11	1.6E-01	5.5E-03	7.0E-14	0.217258835
1.0E-03	4.5E-09	1.6E-01	5.5E-03	3.9E-12	5.7E-01	1.3E-07	1.0E-03	7.9E-11	1.6E-01	5.5E-03	6.8E-14	0.181504674
1.0E-03	4.2E-09	1.6E-01	5.5E-03	3.6E-12	5.6E-01	1.3E-07	1.0E-03	7.7E-11	1.6E-01	5.5E-03	6.6E-14	0.154159943
1.0E-03	3.9E-09	1.6E-01	5.5E-03	3.3E-12	5.4E-01	1.3E-07	1.0E-03	7.5E-11	1.6E-01	5.5E-03	6.5E-14	0.132392716
1.0E-03	3.6E-09	1.6E-01	5.5E-03	3.1E-12	5.3E-01	1.3E-07	1.0E-03	7.3E-11	1.6E-01	5.5E-03	6.3E-14	0.114402186
1.0E-03	3.4E-09	1.6E-01	5.5E-03	2.9E-12	5.1E-01	1.3E-07	1.0E-03	7.1E-11	1.6E-01	5.5E-03	6.1E-14	0.100661364
1.0E-03	4.7E-09	1.6E-01	5.5E-03	4.1E-12	8.4E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	5.5E-03	1.0E-13	0.027933538
1.0E-03	5.2E-09	1.6E-01	5.5E-03	4.5E-12	8.4E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	5.5E-03	1.0E-13	0.032488749
1.0E-03	5.6E-09	1.6E-01	5.5E-03	4.8E-12	8.3E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.9E-14	0.038170581
1.0E-03	6.0E-09	1.6E-01	5.5E-03	5.2E-12	8.2E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.7E-14	0.045974287
1.0E-03	6.4E-09	1.6E-01	5.5E-03	5.5E-12	8.1E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.6E-14	0.055878328
1.0E-03	5.4E-09	1.6E-01	5.5E-03	4.6E-12	6.1E-01	1.3E-07	1.0E-03	8.5E-11	1.6E-01	5.5E-03	7.3E-14	0.406512481
1.0E-03	5.0E-09	1.6E-01	5.5E-03	4.3E-12	6.0E-01	1.3E-07	1.0E-03	8.3E-11	1.6E-01	5.5E-03	7.1E-14	0.323459609
1.0E-03	4.6E-09	1.6E-01	5.5E-03	4.0E-12	5.8E-01	1.3E-07	1.0E-03	8.0E-11	1.6E-01	5.5E-03	6.9E-14	0.250066867
1.0E-03	4.3E-09	1.6E-01	5.5E-03	3.7E-12	5.6E-01	1.3E-07	1.0E-03	7.8E-11	1.6E-01	5.5E-03	6.7E-14	0.204957798
1.0E-03	4.0E-09	1.6E-01	5.5E-03	3.4E-12	5.5E-01	1.3E-07	1.0E-03	7.6E-11	1.6E-01	5.5E-03	6.5E-14	0.168493778
1.0E-03	3.7E-09	1.6E-01	5.5E-03	3.2E-12	5.3E-01	1.3E-07	1.0E-03	7.3E-11	1.6E-01	5.5E-03	6.3E-14	0.138191515
1.0E-03	3.4E-09	1.6E-01	5.5E-03	3.0E-12	5.1E-01	1.3E-07	1.0E-03	7.1E-11	1.6E-01	5.5E-03	6.1E-14	0.11568887

1.0E-03	3.2E-09	1.6E-01	5.5E-03	2.7E-12	5.0E-01	1.3E-07	1.0E-03	6.9E-11	1.6E-01	5.5E-03	5.9E-14	0.097856192
1.0E-03	4.3E-09	1.6E-01	5.5E-03	3.7E-12	8.1E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.6E-14	0.02794284
1.0E-03	4.6E-09	1.6E-01	5.5E-03	4.0E-12	8.0E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.5E-14	0.032526271
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1.0E-03	5.3E-09	1.6E-01	5.5E-03	4.6E-12	7.8E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.3E-14	0.045965831
1.0E-03	5.7E-09	1.6E-01	5.5E-03	4.9E-12	7.7E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.2E-14	0.055999107
1.0E-03	4.7E-09	1.6E-01	5.5E-03	4.0E-12	5.8E-01	1.3E-07	1.0E-03	8.0E-11	1.6E-01	5.5E-03	6.9E-14	0.381832444
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1.0E-03	4.1E-09	1.6E-01	5.5E-03	3.6E-12	5.5E-01	1.3E-07	1.0E-03	7.6E-11	1.6E-01	5.5E-03	6.6E-14	0.239735807
1.0E-03	3.9E-09	1.6E-01	5.5E-03	3.3E-12	5.4E-01	1.3E-07	1.0E-03	7.4E-11	1.6E-01	5.5E-03	6.4E-14	0.187532691
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1.0E-03	3.3E-09	1.6E-01	5.5E-03	2.9E-12	5.1E-01	1.3E-07	1.0E-03	7.0E-11	1.6E-01	5.5E-03	6.0E-14	0.123329112
1.0E-03	3.1E-09	1.6E-01	5.5E-03	2.7E-12	4.9E-01	1.3E-07	1.0E-03	6.8E-11	1.6E-01	5.5E-03	5.8E-14	0.100532009
1.0E-03	3.9E-09	1.6E-01	5.5E-03	3.3E-12	7.7E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.2E-14	0.027749084
1.0E-03	4.2E-09	1.6E-01	5.5E-03	3.6E-12	7.7E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.1E-14	0.032336895
1.0E-03	4.5E-09	1.6E-01	5.5E-03	3.9E-12	7.6E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.0E-14	0.037938021
1.0E-03	4.8E-09	1.6E-01	5.5E-03	4.1E-12	7.5E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	5.5E-03	9.0E-14	0.045364907
1.0E-03	5.0E-09	1.6E-01	5.5E-03	4.3E-12	7.4E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	5.5E-03	8.9E-14	0.055171873
1.0E-03	4.1E-09	1.6E-01	5.5E-03	3.5E-12	5.5E-01	1.3E-07	1.0E-03	7.6E-11	1.6E-01	5.5E-03	6.6E-14	0.323503212
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1.0E-03	3.0E-09	1.6E-01	5.5E-03	2.6E-12	4.8E-01	1.3E-07	1.0E-03	6.6E-11	1.6E-01	5.5E-03	5.7E-14	0.101567175
1.0E-03	3.5E-09	1.6E-01	5.5E-03	3.0E-12	7.4E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	5.5E-03	8.8E-14	0.027326928
1.0E-03	3.8E-09	1.6E-01	5.5E-03	3.3E-12	7.3E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	5.5E-03	8.8E-14	0.031786529
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1.0E-03	4.5E-09	1.6E-01	5.5E-03	3.9E-12	7.1E-01	1.3E-07	1.0E-03	9.9E-11	1.6E-01	5.5E-03	8.5E-14	0.053594327
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1.0E-03	3.2E-09	1.6E-01	5.5E-03	2.8E-12	7.1E-01	1.3E-07	1.0E-03	9.8E-11	1.6E-01	5.5E-03	8.5E-14	0.026695761
1.0E-03	3.4E-09	1.6E-01	5.5E-03	3.0E-12	7.0E-01	1.3E-07	1.0E-03	9.8E-11	1.6E-01	5.5E-03	8.4E-14	0.030832251
1.0E-03	3.7E-09	1.6E-01	5.5E-03	3.1E-12	7.0E-01	1.3E-07	1.0E-03	9.7E-11	1.6E-01	5.5E-03	8.3E-14	0.036182914
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1.0E-03	4.0E-09	1.6E-01	5.5E-03	3.5E-12	6.9E-01	1.3E-07	1.0E-03	9.5E-11	1.6E-01	5.5E-03	8.2E-14	0.051412083
1.0E-03	3.6E-09	1.6E-01	5.5E-03	3.1E-12	5.2E-01	1.3E-07	1.0E-03	7.2E-11	1.6E-01	5.5E-03	6.2E-14	0.309693891
1.0E-03	3.4E-09	1.6E-01	5.5E-03	2.9E-12	5.1E-01	1.3E-07	1.0E-03	7.0E-11	1.6E-01	5.5E-03	6.0E-14	0.227013166
1.0E-03	3.2E-09	1.6E-01	5.5E-03	2.8E-12	5.0E-01	1.3E-07	1.0E-03	6.9E-11	1.6E-01	5.5E-03	5.9E-14	0.173848788
1.0E-03	3.1E-09	1.6E-01	5.5E-03	2.6E-12	4.8E-01	1.3E-07	1.0E-03	6.7E-11	1.6E-01	5.5E-03	5.8E-14	0.138676975
1.0E-03	2.9E-09	1.6E-01	5.5E-03	2.5E-12	4.7E-01	1.3E-07	1.0E-03	6.5E-11	1.6E-01	5.5E-03	5.6E-14	0.113820028
1.0E-03	2.7E-09	1.6E-01	5.5E-03	2.3E-12	4.6E-01	1.3E-07	1.0E-03	6.4E-11	1.6E-01	5.5E-03	5.5E-14	0.093445132
1.0E-03	3.0E-09	1.6E-01	5.5E-03	2.6E-12	6.8E-01	1.3E-07	1.0E-03	9.4E-11	1.6E-01	5.5E-03	8.1E-14	0.025918142
1.0E-03	3.1E-09	1.6E-01	5.5E-03	2.7E-12	6.8E-01	1.3E-07	1.0E-03	9.4E-11	1.6E-01	5.5E-03	8.1E-14	0.029724157
1.0E-03	3.3E-09	1.6E-01	5.5E-03	2.9E-12	6.7E-01	1.3E-07	1.0E-03	9.3E-11	1.6E-01	5.5E-03	8.0E-14	0.034594754

1.0E-03	3.5E-09	1.6E-01	5.5E-03	3.0E-12	6.7E-01	1.3E-07	1.0E-03	9.2E-11	1.6E-01	5.5E-03	7.9E-14	0.040724224
1.0E-03	3.7E-09	1.6E-01	5.5E-03	3.1E-12	6.6E-01	1.3E-07	1.0E-03	9.1E-11	1.6E-01	5.5E-03	7.9E-14	0.048823121
1.0E-03	3.3E-09	1.6E-01	5.5E-03	2.9E-12	5.0E-01	1.3E-07	1.0E-03	7.0E-11	1.6E-01	5.5E-03	6.0E-14	0.266367096
1.0E-03	3.2E-09	1.6E-01	5.5E-03	2.7E-12	4.9E-01	1.3E-07	1.0E-03	6.8E-11	1.6E-01	5.5E-03	5.9E-14	0.199907348
1.0E-03	3.0E-09	1.6E-01	5.5E-03	2.6E-12	4.8E-01	1.3E-07	1.0E-03	6.7E-11	1.6E-01	5.5E-03	5.7E-14	0.156171285
1.0E-03	2.9E-09	1.6E-01	5.5E-03	2.5E-12	4.7E-01	1.3E-07	1.0E-03	6.5E-11	1.6E-01	5.5E-03	5.6E-14	0.126343602
1.0E-03	2.7E-09	1.6E-01	5.5E-03	2.4E-12	4.6E-01	1.3E-07	1.0E-03	6.4E-11	1.6E-01	5.5E-03	5.5E-14	0.104464998
1.0E-03	2.6E-09	1.6E-01	5.5E-03	2.2E-12	4.5E-01	1.3E-07	1.0E-03	6.2E-11	1.6E-01	5.5E-03	5.3E-14	0.087862868
1.0E-03	2.7E-09	1.6E-01	5.5E-03	2.4E-12	6.5E-01	1.3E-07	1.0E-03	9.1E-11	1.6E-01	5.5E-03	7.8E-14	0.024956468
1.0E-03	2.9E-09	1.6E-01	5.5E-03	2.5E-12	6.5E-01	1.3E-07	1.0E-03	9.0E-11	1.6E-01	5.5E-03	7.7E-14	0.028595695
1.0E-03	3.0E-09	1.6E-01	5.5E-03	2.6E-12	6.5E-01	1.3E-07	1.0E-03	8.9E-11	1.6E-01	5.5E-03	7.7E-14	0.033112308
1.0E-03	3.2E-09	1.6E-01	5.5E-03	2.7E-12	6.4E-01	1.3E-07	1.0E-03	8.9E-11	1.6E-01	5.5E-03	7.6E-14	0.038808927
1.0E-03	3.3E-09	1.6E-01	5.5E-03	2.9E-12	6.3E-01	1.3E-07	1.0E-03	8.8E-11	1.6E-01	5.5E-03	7.6E-14	0.046123519
1.0E-03	3.1E-09	1.6E-01	5.5E-03	2.7E-12	4.9E-01	1.3E-07	1.0E-03	6.8E-11	1.6E-01	5.5E-03	5.8E-14	0.214072154
1.0E-03	3.0E-09	1.6E-01	5.5E-03	2.6E-12	4.8E-01	1.3E-07	1.0E-03	6.6E-11	1.6E-01	5.5E-03	5.7E-14	0.16941213
1.0E-03	2.9E-09	1.6E-01	5.5E-03	2.5E-12	4.7E-01	1.3E-07	1.0E-03	6.5E-11	1.6E-01	5.5E-03	5.6E-14	0.136788877
1.0E-03	2.7E-09	1.6E-01	5.5E-03	2.4E-12	4.6E-01	1.3E-07	1.0E-03	6.4E-11	1.6E-01	5.5E-03	5.5E-14	0.113014754
1.0E-03	2.6E-09	1.6E-01	5.5E-03	2.2E-12	4.5E-01	1.3E-07	1.0E-03	6.2E-11	1.6E-01	5.5E-03	5.3E-14	0.094903917
1.0E-03	2.5E-09	1.6E-01	5.5E-03	2.1E-12	4.4E-01	1.3E-07	1.0E-03	6.1E-11	1.6E-01	5.5E-03	5.2E-14	0.080665616
1.0E-03	2.5E-09	1.6E-01	5.5E-03	2.2E-12	6.3E-01	1.3E-07	1.0E-03	8.7E-11	1.6E-01	5.5E-03	7.5E-14	0.024036465
1.0E-03	2.7E-09	1.6E-01	5.5E-03	2.3E-12	6.3E-01	1.3E-07	1.0E-03	8.7E-11	1.6E-01	5.5E-03	7.4E-14	0.027437749
1.0E-03	2.8E-09	1.6E-01	5.5E-03	2.4E-12	6.2E-01	1.3E-07	1.0E-03	8.6E-11	1.6E-01	5.5E-03	7.4E-14	0.031613433
1.0E-03	2.9E-09	1.6E-01	5.5E-03	2.5E-12	6.2E-01	1.3E-07	1.0E-03	8.5E-11	1.6E-01	5.5E-03	7.3E-14	0.036821078
1.0E-03	3.0E-09	1.6E-01	5.5E-03	2.6E-12	6.1E-01	1.3E-07	1.0E-03	8.4E-11	1.6E-01	5.5E-03	7.3E-14	0.043371711
1.0E-03	3.1E-09	1.6E-01	5.5E-03	2.7E-12	6.0E-01	1.3E-07	1.0E-03	8.4E-11	1.6E-01	5.5E-03	7.2E-14	0.051677893
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1.0E-03	3.3E-09	1.6E-01	5.5E-03	2.9E-12	5.9E-01	1.3E-07	1.0E-03	8.2E-11	1.6E-01	5.5E-03	7.0E-14	0.078182198
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1.0E-03	3.4E-09	1.6E-01	5.5E-03	3.0E-12	5.8E-01	1.3E-07	1.0E-03	8.0E-11	1.6E-01	5.5E-03	6.9E-14	0.129061811
1.0E-03	3.5E-09	1.6E-01	5.5E-03	3.0E-12	5.7E-01	1.3E-07	1.0E-03	7.9E-11	1.6E-01	5.5E-03	6.8E-14	0.166872389
1.0E-03	3.5E-09	1.6E-01	5.5E-03	3.0E-12	5.6E-01	1.3E-07	1.0E-03	7.7E-11	1.6E-01	5.5E-03	6.7E-14	0.209903535
1.0E-03	3.5E-09	1.6E-01	5.5E-03	3.0E-12	5.5E-01	1.3E-07	1.0E-03	7.6E-11	1.6E-01	5.5E-03	6.6E-14	0.247942439
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1.0E-03	3.4E-09	1.6E-01	5.5E-03	2.9E-12	5.3E-01	1.3E-07	1.0E-03	7.4E-11	1.6E-01	5.5E-03	6.4E-14	0.293392648
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1.0E-03	3.3E-09	1.6E-01	5.5E-03	2.8E-12	5.1E-01	1.3E-07	1.0E-03	7.1E-11	1.6E-01	5.5E-03	6.1E-14	0.292041317
1.0E-03	3.2E-09	1.6E-01	5.5E-03	2.8E-12	5.1E-01	1.3E-07	1.0E-03	7.0E-11	1.6E-01	5.5E-03	6.0E-14	0.274885877
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1.0E-03	3.0E-09	1.6E-01	5.5E-03	2.6E-12	4.9E-01	1.3E-07	1.0E-03	6.7E-11	1.6E-01	5.5E-03	5.8E-14	0.206245841
1.0E-03	2.9E-09	1.6E-01	5.5E-03	2.5E-12	4.8E-01	1.3E-07	1.0E-03	6.6E-11	1.6E-01	5.5E-03	5.7E-14	0.169904658
1.0E-03	2.8E-09	1.6E-01	5.5E-03	2.4E-12	4.7E-01	1.3E-07	1.0E-03	6.5E-11	1.6E-01	5.5E-03	5.6E-14	0.141048836
1.0E-03	2.7E-09	1.6E-01	5.5E-03	2.3E-12	4.6E-01	1.3E-07	1.0E-03	6.3E-11	1.6E-01	5.5E-03	5.5E-14	0.117784971
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1.0E-03	2.5E-09	1.6E-01	5.5E-03	2.1E-12	4.4E-01	1.3E-07	1.0E-03	6.1E-11	1.6E-01	5.5E-03	5.2E-14	0.085092231
1.0E-03	2.4E-09	1.6E-01	5.5E-03	2.0E-12	4.3E-01	1.3E-07	1.0E-03	5.9E-11	1.6E-01	5.5E-03	5.1E-14	0.073517121
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1.0E-03	2.5E-09	1.6E-01	5.5E-03	2.1E-12	6.0E-01	1.3E-07	1.0E-03	8.3E-11	1.6E-01	5.5E-03	7.2E-14	0.025854489
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1.0E-03	2.7E-09	1.6E-01	5.5E-03	2.3E-12	5.9E-01	1.3E-07	1.0E-03	8.2E-11	1.6E-01	5.5E-03	7.1E-14	0.034145643

1.0E-03	2.8E-09	1.6E-01	5.5E-03	2.4E-12	5.9E-01	1.3E-07	1.0E-03	8.1E-11	1.6E-01	5.5E-03	7.0E-14	0.039986649
1.0E-03	2.9E-09	1.6E-01	5.5E-03	2.5E-12	5.8E-01	1.3E-07	1.0E-03	8.1E-11	1.6E-01	5.5E-03	6.9E-14	0.047122838
1.0E-03	3.0E-09	1.6E-01	5.5E-03	2.6E-12	5.8E-01	1.3E-07	1.0E-03	8.0E-11	1.6E-01	5.5E-03	6.9E-14	0.056130868
1.0E-03	3.0E-09	1.6E-01	5.5E-03	2.6E-12	5.7E-01	1.3E-07	1.0E-03	7.9E-11	1.6E-01	5.5E-03	6.8E-14	0.068514485
1.0E-03	3.1E-09	1.6E-01	5.5E-03	2.7E-12	5.6E-01	1.3E-07	1.0E-03	7.8E-11	1.6E-01	5.5E-03	6.7E-14	0.084441734
1.0E-03	3.2E-09	1.6E-01	5.5E-03	2.7E-12	5.6E-01	1.3E-07	1.0E-03	7.7E-11	1.6E-01	5.5E-03	6.6E-14	0.104099371
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1.0E-03	3.2E-09	1.6E-01	5.5E-03	2.7E-12	5.3E-01	1.3E-07	1.0E-03	7.4E-11	1.6E-01	5.5E-03	6.4E-14	0.177307168
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1.0E-03	3.2E-09	1.6E-01	5.5E-03	2.7E-12	5.2E-01	1.3E-07	1.0E-03	7.2E-11	1.6E-01	5.5E-03	6.2E-14	0.206439478
1.0E-03	3.1E-09	1.6E-01	5.5E-03	2.7E-12	5.1E-01	1.3E-07	1.0E-03	7.0E-11	1.6E-01	5.5E-03	6.1E-14	0.210596976
1.0E-03	3.1E-09	1.6E-01	5.5E-03	2.6E-12	5.0E-01	1.3E-07	1.0E-03	6.9E-11	1.6E-01	5.5E-03	6.0E-14	0.207375863
1.0E-03	3.0E-09	1.6E-01	5.5E-03	2.6E-12	4.9E-01	1.3E-07	1.0E-03	6.8E-11	1.6E-01	5.5E-03	5.8E-14	0.19712811
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1.0E-03	2.8E-09	1.6E-01	5.5E-03	2.4E-12	4.7E-01	1.3E-07	1.0E-03	6.5E-11	1.6E-01	5.5E-03	5.6E-14	0.158823156
1.0E-03	2.7E-09	1.6E-01	5.5E-03	2.4E-12	4.6E-01	1.3E-07	1.0E-03	6.4E-11	1.6E-01	5.5E-03	5.5E-14	0.136955359
1.0E-03	2.6E-09	1.6E-01	5.5E-03	2.3E-12	4.5E-01	1.3E-07	1.0E-03	6.3E-11	1.6E-01	5.5E-03	5.4E-14	0.117905557
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1.0E-03	2.4E-09	1.6E-01	5.5E-03	2.1E-12	4.4E-01	1.3E-07	1.0E-03	6.0E-11	1.6E-01	5.5E-03	5.2E-14	0.08758242
1.0E-03	2.3E-09	1.6E-01	5.5E-03	2.0E-12	4.3E-01	1.3E-07	1.0E-03	5.9E-11	1.6E-01	5.5E-03	5.1E-14	0.076074527
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1.0E-03	2.2E-09	1.6E-01	5.5E-03	1.9E-12	5.8E-01	1.3E-07	1.0E-03	8.1E-11	1.6E-01	5.5E-03	6.9E-14	0.02164322
1.0E-03	2.3E-09	1.6E-01	5.5E-03	2.0E-12	5.8E-01	1.3E-07	1.0E-03	8.0E-11	1.6E-01	5.5E-03	6.9E-14	0.024465227
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1.0E-03	2.7E-09	1.6E-01	5.5E-03	2.3E-12	5.6E-01	1.3E-07	1.0E-03	7.7E-11	1.6E-01	5.5E-03	6.6E-14	0.050572887
1.0E-03	2.8E-09	1.6E-01	5.5E-03	2.4E-12	5.5E-01	1.3E-07	1.0E-03	7.6E-11	1.6E-01	5.5E-03	6.6E-14	0.06056565
1.0E-03	2.8E-09	1.6E-01	5.5E-03	2.5E-12	5.4E-01	1.3E-07	1.0E-03	7.5E-11	1.6E-01	5.5E-03	6.5E-14	0.072059143
1.0E-03	2.9E-09	1.6E-01	5.5E-03	2.5E-12	5.4E-01	1.3E-07	1.0E-03	7.4E-11	1.6E-01	5.5E-03	6.4E-14	0.086302212
1.0E-03	2.9E-09	1.6E-01	5.5E-03	2.5E-12	5.3E-01	1.3E-07	1.0E-03	7.3E-11	1.6E-01	5.5E-03	6.3E-14	0.101771625
1.0E-03	2.9E-09	1.6E-01	5.5E-03	2.5E-12	5.2E-01	1.3E-07	1.0E-03	7.2E-11	1.6E-01	5.5E-03	6.2E-14	0.118742362
1.0E-03	2.9E-09	1.6E-01	5.5E-03	2.5E-12	5.2E-01	1.3E-07	1.0E-03	7.1E-11	1.6E-01	5.5E-03	6.1E-14	0.133716692
1.0E-03	2.9E-09	1.6E-01	5.5E-03	2.5E-12	5.1E-01	1.3E-07	1.0E-03	7.0E-11	1.6E-01	5.5E-03	6.1E-14	0.145364753
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1.0E-03	2.9E-09	1.6E-01	5.5E-03	2.5E-12	4.9E-01	1.3E-07	1.0E-03	6.8E-11	1.6E-01	5.5E-03	5.9E-14	0.156407934
1.0E-03	2.8E-09	1.6E-01	5.5E-03	2.4E-12	4.8E-01	1.3E-07	1.0E-03	6.7E-11	1.6E-01	5.5E-03	5.8E-14	0.155186571
1.0E-03	2.8E-09	1.6E-01	5.5E-03	2.4E-12	4.8E-01	1.3E-07	1.0E-03	6.6E-11	1.6E-01	5.5E-03	5.7E-14	0.149448366
1.0E-03	2.7E-09	1.6E-01	5.5E-03	2.3E-12	4.7E-01	1.3E-07	1.0E-03	6.5E-11	1.6E-01	5.5E-03	5.6E-14	0.13953319
1.0E-03	2.6E-09	1.6E-01	5.5E-03	2.3E-12	4.6E-01	1.3E-07	1.0E-03	6.4E-11	1.6E-01	5.5E-03	5.5E-14	0.126423143
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1.0E-03	2.5E-09	1.6E-01	5.5E-03	2.1E-12	4.4E-01	1.3E-07	1.0E-03	6.1E-11	1.6E-01	5.5E-03	5.3E-14	0.099771508
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1.0E-03	2.3E-09	1.6E-01	5.5E-03	2.0E-12	4.2E-01	1.3E-07	1.0E-03	5.9E-11	1.6E-01	5.5E-03	5.1E-14	0.077247631
1.0E-03	2.2E-09	1.6E-01	5.5E-03	1.9E-12	4.2E-01	1.3E-07	1.0E-03	5.8E-11	1.6E-01	5.5E-03	5.0E-14	0.0680779
1.0E-03	2.1E-09	1.6E-01	5.5E-03	1.8E-12	4.1E-01	1.3E-07	1.0E-03	5.6E-11	1.6E-01	5.5E-03	4.9E-14	0.060341887
1.0E-03	2.0E-09	1.6E-01	5.5E-03	1.7E-12	5.6E-01	1.3E-07	1.0E-03	7.8E-11	1.6E-01	5.5E-03	6.7E-14	0.020564694

1.0E-03	2.1E-09	1.6E-01	5.5E-03	1.8E-12	5.6E-01	1.3E-07	1.0E-03	7.7E-11	1.6E-01	5.5E-03	6.6E-14	0.023081229
1.0E-03	2.2E-09	1.6E-01	5.5E-03	1.9E-12	5.5E-01	1.3E-07	1.0E-03	7.7E-11	1.6E-01	5.5E-03	6.6E-14	0.026019078
1.0E-03	2.3E-09	1.6E-01	5.5E-03	2.0E-12	5.5E-01	1.3E-07	1.0E-03	7.6E-11	1.6E-01	5.5E-03	6.6E-14	0.029618381
1.0E-03	2.4E-09	1.6E-01	5.5E-03	2.0E-12	5.5E-01	1.3E-07	1.0E-03	7.6E-11	1.6E-01	5.5E-03	6.5E-14	0.033800862
1.0E-03	2.4E-09	1.6E-01	5.5E-03	2.1E-12	5.4E-01	1.3E-07	1.0E-03	7.5E-11	1.6E-01	5.5E-03	6.5E-14	0.039079498
1.0E-03	2.5E-09	1.6E-01	5.5E-03	2.2E-12	5.4E-01	1.3E-07	1.0E-03	7.4E-11	1.6E-01	5.5E-03	6.4E-14	0.04544047
1.0E-03	2.6E-09	1.6E-01	5.5E-03	2.2E-12	5.3E-01	1.3E-07	1.0E-03	7.3E-11	1.6E-01	5.5E-03	6.3E-14	0.053265098
1.0E-03	2.6E-09	1.6E-01	5.5E-03	2.3E-12	5.3E-01	1.3E-07	1.0E-03	7.3E-11	1.6E-01	5.5E-03	6.3E-14	0.061727055
1.0E-03	2.7E-09	1.6E-01	5.5E-03	2.3E-12	5.2E-01	1.3E-07	1.0E-03	7.2E-11	1.6E-01	5.5E-03	6.2E-14	0.072139295
1.0E-03	2.7E-09	1.6E-01	5.5E-03	2.3E-12	5.1E-01	1.3E-07	1.0E-03	7.1E-11	1.6E-01	5.5E-03	6.1E-14	0.082803762
1.0E-03	2.7E-09	1.6E-01	5.5E-03	2.3E-12	5.1E-01	1.3E-07	1.0E-03	7.0E-11	1.6E-01	5.5E-03	6.0E-14	0.094242444
1.0E-03	2.7E-09	1.6E-01	5.5E-03	2.3E-12	5.0E-01	1.3E-07	1.0E-03	6.9E-11	1.6E-01	5.5E-03	6.0E-14	0.104686648
1.0E-03	2.7E-09	1.6E-01	5.5E-03	2.3E-12	4.9E-01	1.3E-07	1.0E-03	6.8E-11	1.6E-01	5.5E-03	5.9E-14	0.112532214
1.0E-03	2.7E-09	1.6E-01	5.5E-03	2.3E-12	4.9E-01	1.3E-07	1.0E-03	6.7E-11	1.6E-01	5.5E-03	5.8E-14	0.118020392
1.0E-03	2.7E-09	1.6E-01	5.5E-03	2.3E-12	4.8E-01	1.3E-07	1.0E-03	6.6E-11	1.6E-01	5.5E-03	5.7E-14	0.121107585
1.0E-03	2.6E-09	1.6E-01	5.5E-03	2.3E-12	4.7E-01	1.3E-07	1.0E-03	6.5E-11	1.6E-01	5.5E-03	5.6E-14	0.121132163
1.0E-03	2.6E-09	1.6E-01	5.5E-03	2.2E-12	4.6E-01	1.3E-07	1.0E-03	6.4E-11	1.6E-01	5.5E-03	5.5E-14	0.118040146
1.0E-03	2.5E-09	1.6E-01	5.5E-03	2.2E-12	4.5E-01	1.3E-07	1.0E-03	6.3E-11	1.6E-01	5.5E-03	5.4E-14	0.111932635
1.0E-03	2.5E-09	1.6E-01	5.5E-03	2.1E-12	4.5E-01	1.3E-07	1.0E-03	6.2E-11	1.6E-01	5.5E-03	5.3E-14	0.103284846
1.0E-03	2.4E-09	1.6E-01	5.5E-03	2.1E-12	4.4E-01	1.3E-07	1.0E-03	6.1E-11	1.6E-01	5.5E-03	5.2E-14	0.093984433
1.0E-03	2.3E-09	1.6E-01	5.5E-03	2.0E-12	4.3E-01	1.3E-07	1.0E-03	6.0E-11	1.6E-01	5.5E-03	5.1E-14	0.084907937
1.0E-03	2.3E-09	1.6E-01	5.5E-03	1.9E-12	4.2E-01	1.3E-07	1.0E-03	5.8E-11	1.6E-01	5.5E-03	5.0E-14	0.076169674
1.0E-03	2.2E-09	1.6E-01	5.5E-03	1.9E-12	4.1E-01	1.3E-07	1.0E-03	5.7E-11	1.6E-01	5.5E-03	4.9E-14	0.068174743
1.0E-03	2.1E-09	1.6E-01	5.5E-03	1.8E-12	4.1E-01	1.3E-07	1.0E-03	5.6E-11	1.6E-01	5.5E-03	4.8E-14	0.061005279
1.0E-03	2.0E-09	1.6E-01	5.5E-03	1.7E-12	4.0E-01	1.3E-07	1.0E-03	5.5E-11	1.6E-01	5.5E-03	4.7E-14	0.054727028
1.0E-03	1.9E-09	1.6E-01	5.5E-03	1.6E-12	5.4E-01	1.3E-07	1.0E-03	7.5E-11	1.6E-01	5.5E-03	6.4E-14	0.019454003
1.0E-03	2.0E-09	1.6E-01	5.5E-03	1.7E-12	5.4E-01	1.3E-07	1.0E-03	7.4E-11	1.6E-01	5.5E-03	6.4E-14	0.021642669
1.0E-03	2.0E-09	1.6E-01	5.5E-03	1.8E-12	5.3E-01	1.3E-07	1.0E-03	7.4E-11	1.6E-01	5.5E-03	6.4E-14	0.024254711
1.0E-03	2.1E-09	1.6E-01	5.5E-03	1.8E-12	5.3E-01	1.3E-07	1.0E-03	7.3E-11	1.6E-01	5.5E-03	6.3E-14	0.027333726
1.0E-03	2.2E-09	1.6E-01	5.5E-03	1.9E-12	5.3E-01	1.3E-07	1.0E-03	7.3E-11	1.6E-01	5.5E-03	6.3E-14	0.031125258
1.0E-03	2.3E-09	1.6E-01	5.5E-03	1.9E-12	5.2E-01	1.3E-07	1.0E-03	7.2E-11	1.6E-01	5.5E-03	6.2E-14	0.035493188
1.0E-03	2.3E-09	1.6E-01	5.5E-03	2.0E-12	5.2E-01	1.3E-07	1.0E-03	7.2E-11	1.6E-01	5.5E-03	6.2E-14	0.040681258
1.0E-03	2.4E-09	1.6E-01	5.5E-03	2.0E-12	5.1E-01	1.3E-07	1.0E-03	7.1E-11	1.6E-01	5.5E-03	6.1E-14	0.046829962
1.0E-03	2.4E-09	1.6E-01	5.5E-03	2.1E-12	5.1E-01	1.3E-07	1.0E-03	7.0E-11	1.6E-01	5.5E-03	6.1E-14	0.053499102
1.0E-03	2.5E-09	1.6E-01	5.5E-03	2.1E-12	5.0E-01	1.3E-07	1.0E-03	6.9E-11	1.6E-01	5.5E-03	6.0E-14	0.06099593
1.0E-03	2.5E-09	1.6E-01	5.5E-03	2.1E-12	5.0E-01	1.3E-07	1.0E-03	6.9E-11	1.6E-01	5.5E-03	5.9E-14	0.068732027
1.0E-03	2.5E-09	1.6E-01	5.5E-03	2.2E-12	4.9E-01	1.3E-07	1.0E-03	6.8E-11	1.6E-01	5.5E-03	5.8E-14	0.07675305
1.0E-03	2.5E-09	1.6E-01	5.5E-03	2.2E-12	4.8E-01	1.3E-07	1.0E-03	6.7E-11	1.6E-01	5.5E-03	5.8E-14	0.084314549
1.0E-03	2.5E-09	1.6E-01	5.5E-03	2.2E-12	4.8E-01	1.3E-07	1.0E-03	6.6E-11	1.6E-01	5.5E-03	5.7E-14	0.090035421
1.0E-03	2.5E-09	1.6E-01	5.5E-03	2.2E-12	4.7E-01	1.3E-07	1.0E-03	6.5E-11	1.6E-01	5.5E-03	5.6E-14	0.094316471
1.0E-03	2.5E-09	1.6E-01	5.5E-03	2.1E-12	4.6E-01	1.3E-07	1.0E-03	6.4E-11	1.6E-01	5.5E-03	5.5E-14	0.097092638
1.0E-03	2.5E-09	1.6E-01	5.5E-03	2.1E-12	4.6E-01	1.3E-07	1.0E-03	6.3E-11	1.6E-01	5.5E-03	5.4E-14	0.097855671
1.0E-03	2.4E-09	1.6E-01	5.5E-03	2.1E-12	4.5E-01	1.3E-07	1.0E-03	6.2E-11	1.6E-01	5.5E-03	5.4E-14	0.096308525
1.0E-03	2.4E-09	1.6E-01	5.5E-03	2.0E-12	4.4E-01	1.3E-07	1.0E-03	6.1E-11	1.6E-01	5.5E-03	5.3E-14	0.092426827
1.0E-03	2.3E-09	1.6E-01	5.5E-03	2.0E-12	4.3E-01	1.3E-07	1.0E-03	6.0E-11	1.6E-01	5.5E-03	5.2E-14	0.086105866
1.0E-03	2.3E-09	1.6E-01	5.5E-03	1.9E-12	4.3E-01	1.3E-07	1.0E-03	5.9E-11	1.6E-01	5.5E-03	5.1E-14	0.079706199
1.0E-03	2.2E-09	1.6E-01	5.5E-03	1.9E-12	4.2E-01	1.3E-07	1.0E-03	5.8E-11	1.6E-01	5.5E-03	5.0E-14	0.073234779
1.0E-03	2.1E-09	1.6E-01	5.5E-03	1.8E-12	4.1E-01	1.3E-07	1.0E-03	5.7E-11	1.6E-01	5.5E-03	4.9E-14	0.066756832
1.0E-03	2.1E-09	1.6E-01	5.5E-03	1.8E-12	4.0E-01	1.3E-07	1.0E-03	5.6E-11	1.6E-01	5.5E-03	4.8E-14	0.060611798

1.0E-03	2.0E-09	1.6E-01	5.5E-03	1.7E-12	4.0E-01	1.3E-07	1.0E-03	5.5E-11	1.6E-01	5.5E-03	4.7E-14	0.054930478
1.0E-03	1.9E-09	1.6E-01	5.5E-03	1.7E-12	3.9E-01	1.3E-07	1.0E-03	5.4E-11	1.6E-01	5.5E-03	4.6E-14	0.049784021
1.0E-03	1.8E-09	1.6E-01	5.5E-03	1.5E-12	5.2E-01	1.3E-07	1.0E-03	7.2E-11	1.6E-01	5.5E-03	6.2E-14	0.018381436
1.0E-03	1.8E-09	1.6E-01	5.5E-03	1.6E-12	5.2E-01	1.3E-07	1.0E-03	7.2E-11	1.6E-01	5.5E-03	6.2E-14	0.02035012
1.0E-03	1.9E-09	1.6E-01	5.5E-03	1.6E-12	5.2E-01	1.3E-07	1.0E-03	7.1E-11	1.6E-01	5.5E-03	6.1E-14	0.022646312
1.0E-03	2.0E-09	1.6E-01	5.5E-03	1.7E-12	5.1E-01	1.3E-07	1.0E-03	7.1E-11	1.6E-01	5.5E-03	6.1E-14	0.02535987
1.0E-03	2.0E-09	1.6E-01	5.5E-03	1.8E-12	5.1E-01	1.3E-07	1.0E-03	7.0E-11	1.6E-01	5.5E-03	6.1E-14	0.028634635
1.0E-03	2.1E-09	1.6E-01	5.5E-03	1.8E-12	5.0E-01	1.3E-07	1.0E-03	7.0E-11	1.6E-01	5.5E-03	6.0E-14	0.032310286
1.0E-03	2.2E-09	1.6E-01	5.5E-03	1.9E-12	5.0E-01	1.3E-07	1.0E-03	6.9E-11	1.6E-01	5.5E-03	6.0E-14	0.036567311
1.0E-03	2.2E-09	1.6E-01	5.5E-03	1.9E-12	5.0E-01	1.3E-07	1.0E-03	6.9E-11	1.6E-01	5.5E-03	5.9E-14	0.041516939
1.0E-03	2.2E-09	1.6E-01	5.5E-03	1.9E-12	4.9E-01	1.3E-07	1.0E-03	6.8E-11	1.6E-01	5.5E-03	5.9E-14	0.046654774
1.0E-03	2.3E-09	1.6E-01	5.5E-03	2.0E-12	4.9E-01	1.3E-07	1.0E-03	6.7E-11	1.6E-01	5.5E-03	5.8E-14	0.052210826
1.0E-03	2.3E-09	1.6E-01	5.5E-03	2.0E-12	4.8E-01	1.3E-07	1.0E-03	6.6E-11	1.6E-01	5.5E-03	5.7E-14	0.058083819
1.0E-03	2.3E-09	1.6E-01	5.5E-03	2.0E-12	4.7E-01	1.3E-07	1.0E-03	6.6E-11	1.6E-01	5.5E-03	5.7E-14	0.064037305
1.0E-03	2.3E-09	1.6E-01	5.5E-03	2.0E-12	4.7E-01	1.3E-07	1.0E-03	6.5E-11	1.6E-01	5.5E-03	5.6E-14	0.069597095
1.0E-03	2.3E-09	1.6E-01	5.5E-03	2.0E-12	4.6E-01	1.3E-07	1.0E-03	6.4E-11	1.6E-01	5.5E-03	5.5E-14	0.073876102
1.0E-03	2.3E-09	1.6E-01	5.5E-03	2.0E-12	4.6E-01	1.3E-07	1.0E-03	6.3E-11	1.6E-01	5.5E-03	5.4E-14	0.077468406
1.0E-03	2.3E-09	1.6E-01	5.5E-03	2.0E-12	4.5E-01	1.3E-07	1.0E-03	6.2E-11	1.6E-01	5.5E-03	5.4E-14	0.079859654
1.0E-03	2.3E-09	1.6E-01	5.5E-03	2.0E-12	4.4E-01	1.3E-07	1.0E-03	6.1E-11	1.6E-01	5.5E-03	5.3E-14	0.08087897
1.0E-03	2.3E-09	1.6E-01	5.5E-03	1.9E-12	4.4E-01	1.3E-07	1.0E-03	6.0E-11	1.6E-01	5.5E-03	5.2E-14	0.080092075
1.0E-03	2.2E-09	1.6E-01	5.5E-03	1.9E-12	4.3E-01	1.3E-07	1.0E-03	5.9E-11	1.6E-01	5.5E-03	5.1E-14	0.077485497
1.0E-03	2.2E-09	1.6E-01	5.5E-03	1.9E-12	4.2E-01	1.3E-07	1.0E-03	5.8E-11	1.6E-01	5.5E-03	5.0E-14	0.072923114
1.0E-03	2.1E-09	1.6E-01	5.5E-03	1.8E-12	4.1E-01	1.3E-07	1.0E-03	5.7E-11	1.6E-01	5.5E-03	4.9E-14	0.068403466
1.0E-03	2.1E-09	1.6E-01	5.5E-03	1.8E-12	4.1E-01	1.3E-07	1.0E-03	5.6E-11	1.6E-01	5.5E-03	4.9E-14	0.063831981
1.0E-03	2.0E-09	1.6E-01	5.5E-03	1.7E-12	4.0E-01	1.3E-07	1.0E-03	5.5E-11	1.6E-01	5.5E-03	4.8E-14	0.05899546
1.0E-03	2.0E-09	1.6E-01	5.5E-03	1.7E-12	3.9E-01	1.3E-07	1.0E-03	5.4E-11	1.6E-01	5.5E-03	4.7E-14	0.054233689
1.0E-03	1.9E-09	1.6E-01	5.5E-03	1.6E-12	3.9E-01	1.3E-07	1.0E-03	5.3E-11	1.6E-01	5.5E-03	4.6E-14	0.049653263
1.0E-03	1.8E-09	1.6E-01	5.5E-03	1.6E-12	3.8E-01	1.3E-07	1.0E-03	5.2E-11	1.6E-01	5.5E-03	4.5E-14	0.045399145

Risk From New Building Demo (Port. 1,3,4) - Unmitigated Residential

Franklin School Project

Risk From New Building Demo (Port. 1,3,4) - Unmitigated Residential

	1.08	Max								
								Onsite		
Receptor #	**Total/ Million**	**Total**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**
1	0.00	3.8E-09	2.0E-01	8.6E-03	1.0E-03	1.8E-06	1.6E-01	1.4E-02	3.8E-09	3.2E-01
2	0.00	4.2E-09	2.2E-01	8.6E-03	1.0E-03	2.0E-06	1.6E-01	1.4E-02	4.2E-09	3.6E-01
3	0.00	4.6E-09	2.4E-01	8.6E-03	1.0E-03	2.1E-06	1.6E-01	1.4E-02	4.6E-09	4.1E-01
4	0.01	5.1E-09	2.6E-01	8.6E-03	1.0E-03	2.4E-06	1.6E-01	1.4E-02	5.1E-09	4.6E-01
5	0.01	5.5E-09	2.9E-01	8.6E-03	1.0E-03	2.6E-06	1.6E-01	1.4E-02	5.5E-09	5.1E-01
6	0.01	5.9E-09	3.1E-01	8.6E-03	1.0E-03	2.8E-06	1.6E-01	1.4E-02	5.9E-09	5.5E-01
7	0.01	6.4E-09	3.3E-01	8.6E-03	1.0E-03	3.0E-06	1.6E-01	1.4E-02	6.4E-09	6.0E-01
8	0.01	6.7E-09	3.5E-01	8.6E-03	1.0E-03	3.1E-06	1.6E-01	1.4E-02	6.7E-09	6.4E-01
9	0.01	7.2E-09	3.7E-01	8.6E-03	1.0E-03	3.3E-06	1.6E-01	1.4E-02	7.2E-09	6.9E-01
10	0.01	7.6E-09	3.9E-01	8.6E-03	1.0E-03	3.5E-06	1.6E-01	1.4E-02	7.5E-09	7.5E-01
11	0.01	8.2E-09	4.2E-01	8.6E-03	1.0E-03	3.8E-06	1.6E-01	1.4E-02	8.2E-09	8.0E-01
12	0.01	8.8E-09	4.5E-01	8.6E-03	1.0E-03	4.1E-06	1.6E-01	1.4E-02	8.8E-09	8.4E-01
13	0.01	9.3E-09	4.8E-01	8.6E-03	1.0E-03	4.3E-06	1.6E-01	1.4E-02	9.3E-09	8.5E-01
14	0.01	9.7E-09	5.0E-01	8.6E-03	1.0E-03	4.5E-06	1.6E-01	1.4E-02	9.7E-09	8.3E-01
15	0.01	1.0E-08	5.2E-01	8.6E-03	1.0E-03	4.7E-06	1.6E-01	1.4E-02	1.0E-08	7.9E-01
16	0.01	1.0E-08	5.3E-01	8.6E-03	1.0E-03	4.7E-06	1.6E-01	1.4E-02	1.0E-08	7.4E-01
17	0.00	4.3E-09	2.2E-01	8.6E-03	1.0E-03	2.0E-06	1.6E-01	1.4E-02	4.3E-09	3.8E-01
18	0.00	4.8E-09	2.5E-01	8.6E-03	1.0E-03	2.2E-06	1.6E-01	1.4E-02	4.8E-09	4.4E-01
19	0.01	5.3E-09	2.8E-01	8.6E-03	1.0E-03	2.5E-06	1.6E-01	1.4E-02	5.3E-09	5.1E-01
20	0.01	5.9E-09	3.1E-01	8.6E-03	1.0E-03	2.8E-06	1.6E-01	1.4E-02	5.9E-09	5.8E-01
21	0.01	6.6E-09	3.4E-01	8.6E-03	1.0E-03	3.0E-06	1.6E-01	1.4E-02	6.6E-09	6.6E-01
22	0.01	7.2E-09	3.7E-01	8.6E-03	1.0E-03	3.3E-06	1.6E-01	1.4E-02	7.2E-09	7.3E-01
23	0.01	7.8E-09	4.0E-01	8.6E-03	1.0E-03	3.6E-06	1.6E-01	1.4E-02	7.8E-09	8.0E-01
24	0.01	8.3E-09	4.3E-01	8.6E-03	1.0E-03	3.9E-06	1.6E-01	1.4E-02	8.3E-09	8.7E-01
25	0.01	8.9E-09	4.6E-01	8.6E-03	1.0E-03	4.2E-06	1.6E-01	1.4E-02	8.9E-09	9.6E-01
26	0.01	9.5E-09	4.9E-01	8.6E-03	1.0E-03	4.4E-06	1.6E-01	1.4E-02	9.5E-09	1.1E+00
27	0.01	1.0E-08	5.4E-01	8.6E-03	1.0E-03	4.9E-06	1.6E-01	1.4E-02	1.0E-08	1.1E+00
28	0.01	1.1E-08	5.9E-01	8.6E-03	1.0E-03	5.3E-06	1.6E-01	1.4E-02	1.1E-08	1.1E+00
29	0.01	1.2E-08	6.2E-01	8.6E-03	1.0E-03	5.6E-06	1.6E-01	1.4E-02	1.2E-08	1.1E+00
30	0.01	1.3E-08	6.5E-01	8.6E-03	1.0E-03	5.8E-06	1.6E-01	1.4E-02	1.3E-08	1.0E+00
31	0.01	1.3E-08	6.6E-01	8.6E-03	1.0E-03	5.9E-06	1.6E-01	1.4E-02	1.3E-08	9.6E-01
32	0.01	1.3E-08	6.5E-01	8.6E-03	1.0E-03	5.9E-06	1.6E-01	1.4E-02	1.3E-08	8.7E-01
33	0.00	4.8E-09	2.5E-01	8.6E-03	1.0E-03	2.2E-06	1.6E-01	1.4E-02	4.8E-09	4.4E-01
34	0.01	5.5E-09	2.8E-01	8.6E-03	1.0E-03	2.5E-06	1.6E-01	1.4E-02	5.5E-09	5.3E-01
35	0.01	6.2E-09	3.2E-01	8.6E-03	1.0E-03	2.9E-06	1.6E-01	1.4E-02	6.2E-09	6.3E-01
36	0.01	7.0E-09	3.6E-01	8.6E-03	1.0E-03	3.3E-06	1.6E-01	1.4E-02	7.0E-09	7.6E-01
37	0.01	7.9E-09	4.1E-01	8.6E-03	1.0E-03	3.7E-06	1.6E-01	1.4E-02	7.9E-09	8.9E-01
38	0.01	8.8E-09	4.6E-01	8.6E-03	1.0E-03	4.1E-06	1.6E-01	1.4E-02	8.8E-09	1.0E+00
39	0.01	9.8E-09	5.1E-01	8.6E-03	1.0E-03	4.5E-06	1.6E-01	1.4E-02	9.8E-09	1.1E+00
40	0.01	1.1E-08	5.5E-01	8.6E-03	1.0E-03	4.9E-06	1.6E-01	1.4E-02	1.1E-08	1.3E+00
41	0.01	1.1E-08	5.9E-01	8.6E-03	1.0E-03	5.3E-06	1.6E-01	1.4E-02	1.1E-08	1.4E+00
42	0.01	1.2E-08	6.5E-01	8.6E-03	1.0E-03	5.8E-06	1.6E-01	1.4E-02	1.2E-08	1.5E+00
43	0.01	1.4E-08	7.2E-01	8.6E-03	1.0E-03	6.5E-06	1.6E-01	1.4E-02	1.4E-08	1.6E+00

44	0.02	1.5E-08	7.8E-01	8.6E-03	1.0E-03	7.0E-06	1.6E-01	1.4E-02	1.5E-08	1.5E+00
45	0.02	1.6E-08	8.3E-01	8.6E-03	1.0E-03	7.4E-06	1.6E-01	1.4E-02	1.6E-08	1.4E+00
46	0.02	1.6E-08	8.5E-01	8.6E-03	1.0E-03	7.6E-06	1.6E-01	1.4E-02	1.6E-08	1.3E+00
47	0.02	1.6E-08	8.4E-01	8.6E-03	1.0E-03	7.6E-06	1.6E-01	1.4E-02	1.6E-08	1.1E+00
48	0.02	1.6E-08	8.1E-01	8.6E-03	1.0E-03	7.3E-06	1.6E-01	1.4E-02	1.6E-08	9.8E-01
49	0.01	5.4E-09	2.8E-01	8.6E-03	1.0E-03	2.5E-06	1.6E-01	1.4E-02	5.4E-09	5.2E-01
50	0.01	6.3E-09	3.2E-01	8.6E-03	1.0E-03	2.9E-06	1.6E-01	1.4E-02	6.2E-09	6.4E-01
51	0.01	7.3E-09	3.8E-01	8.6E-03	1.0E-03	3.4E-06	1.6E-01	1.4E-02	7.3E-09	8.1E-01
52	0.01	8.4E-09	4.4E-01	8.6E-03	1.0E-03	3.9E-06	1.6E-01	1.4E-02	8.4E-09	1.0E+00
53	0.01	9.8E-09	5.0E-01	8.6E-03	1.0E-03	4.5E-06	1.6E-01	1.4E-02	9.7E-09	1.3E+00
54	0.01	1.1E-08	5.8E-01	8.6E-03	1.0E-03	5.2E-06	1.6E-01	1.4E-02	1.1E-08	1.5E+00
55	0.01	1.3E-08	6.5E-01	8.6E-03	1.0E-03	5.9E-06	1.6E-01	1.4E-02	1.3E-08	1.7E+00
56	0.01	1.4E-08	7.2E-01	8.6E-03	1.0E-03	6.4E-06	1.6E-01	1.4E-02	1.4E-08	2.0E+00
57	0.02	1.5E-08	7.9E-01	8.6E-03	1.0E-03	7.1E-06	1.6E-01	1.4E-02	1.5E-08	2.3E+00
58	0.02	1.7E-08	8.9E-01	8.6E-03	1.0E-03	7.9E-06	1.6E-01	1.4E-02	1.7E-08	2.4E+00
59	0.02	2.0E-08	1.0E+00	8.6E-03	1.0E-03	9.1E-06	1.6E-01	1.4E-02	2.0E-08	2.3E+00
60	0.02	2.1E-08	1.1E+00	8.6E-03	1.0E-03	9.8E-06	1.6E-01	1.4E-02	2.1E-08	2.1E+00
61	0.02	2.2E-08	1.1E+00	8.6E-03	1.0E-03	1.0E-05	1.6E-01	1.4E-02	2.2E-08	1.8E+00
62	0.02	2.2E-08	1.1E+00	8.6E-03	1.0E-03	1.0E-05	1.6E-01	1.4E-02	2.2E-08	1.5E+00
63	0.02	2.1E-08	1.1E+00	8.6E-03	1.0E-03	9.7E-06	1.6E-01	1.4E-02	2.1E-08	1.3E+00
64	0.02	1.9E-08	1.0E+00	8.6E-03	1.0E-03	9.0E-06	1.6E-01	1.4E-02	1.9E-08	1.1E+00
65	0.01	6.1E-09	3.1E-01	8.6E-03	1.0E-03	2.8E-06	1.6E-01	1.4E-02	6.1E-09	6.0E-01
66	0.01	7.2E-09	3.7E-01	8.6E-03	1.0E-03	3.3E-06	1.6E-01	1.4E-02	7.2E-09	7.8E-01
67	0.01	8.5E-09	4.4E-01	8.6E-03	1.0E-03	4.0E-06	1.6E-01	1.4E-02	8.5E-09	1.0E+00
68	0.01	1.0E-08	5.3E-01	8.6E-03	1.0E-03	4.7E-06	1.6E-01	1.4E-02	1.0E-08	1.4E+00
69	0.01	1.2E-08	6.3E-01	8.6E-03	1.0E-03	5.7E-06	1.6E-01	1.4E-02	1.2E-08	1.9E+00
70	0.01	1.5E-08	7.5E-01	8.6E-03	1.0E-03	6.8E-06	1.6E-01	1.4E-02	1.5E-08	2.5E+00
71	0.02	1.7E-08	8.8E-01	8.6E-03	1.0E-03	7.9E-06	1.6E-01	1.4E-02	1.7E-08	3.0E+00
72	0.02	1.9E-08	1.0E+00	8.6E-03	1.0E-03	9.0E-06	1.6E-01	1.4E-02	1.9E-08	3.6E+00
73	0.02	2.2E-08	1.1E+00	8.6E-03	1.0E-03	1.0E-05	1.6E-01	1.4E-02	2.2E-08	3.9E+00
74	0.03	2.6E-08	1.3E+00	8.6E-03	1.0E-03	1.2E-05	1.6E-01	1.4E-02	2.6E-08	3.7E+00
75	0.03	2.9E-08	1.5E+00	8.6E-03	1.0E-03	1.3E-05	1.6E-01	1.4E-02	2.9E-08	3.2E+00
76	0.03	3.1E-08	1.6E+00	8.6E-03	1.0E-03	1.4E-05	1.6E-01	1.4E-02	3.1E-08	2.6E+00
77	0.03	3.0E-08	1.6E+00	8.6E-03	1.0E-03	1.4E-05	1.6E-01	1.4E-02	3.0E-08	2.1E+00
78	0.03	2.9E-08	1.5E+00	8.6E-03	1.0E-03	1.3E-05	1.6E-01	1.4E-02	2.9E-08	1.7E+00
79	0.03	2.6E-08	1.4E+00	8.6E-03	1.0E-03	1.2E-05	1.6E-01	1.4E-02	2.6E-08	1.4E+00
80	0.02	2.3E-08	1.2E+00	8.6E-03	1.0E-03	1.1E-05	1.6E-01	1.4E-02	2.3E-08	1.1E+00
81	0.01	6.8E-09	3.5E-01	8.6E-03	1.0E-03	3.1E-06	1.6E-01	1.4E-02	6.8E-09	6.8E-01
82	0.01	8.2E-09	4.2E-01	8.6E-03	1.0E-03	3.8E-06	1.6E-01	1.4E-02	8.2E-09	9.3E-01
83	0.01	1.0E-08	5.2E-01	8.6E-03	1.0E-03	4.6E-06	1.6E-01	1.4E-02	1.0E-08	1.3E+00
84	0.01	1.2E-08	6.4E-01	8.6E-03	1.0E-03	5.8E-06	1.6E-01	1.4E-02	1.2E-08	2.0E+00
85	0.02	1.6E-08	8.1E-01	8.6E-03	1.0E-03	7.2E-06	1.6E-01	1.4E-02	1.6E-08	3.1E+00
86	0.02	2.0E-08	1.0E+00	8.6E-03	1.0E-03	9.1E-06	1.6E-01	1.4E-02	2.0E-08	4.8E+00
87	0.02	2.4E-08	1.3E+00	8.6E-03	1.0E-03	1.1E-05	1.6E-01	1.4E-02	2.4E-08	6.6E+00
88	0.03	2.9E-08	1.5E+00	8.6E-03	1.0E-03	1.4E-05	1.6E-01	1.4E-02	2.9E-08	7.9E+00
89	0.03	3.5E-08	1.8E+00	8.6E-03	1.0E-03	1.6E-05	1.6E-01	1.4E-02	3.5E-08	7.2E+00
90	0.04	4.2E-08	2.2E+00	8.6E-03	1.0E-03	2.0E-05	1.6E-01	1.4E-02	4.2E-08	5.6E+00
91	0.05	4.6E-08	2.4E+00	8.6E-03	1.0E-03	2.1E-05	1.6E-01	1.4E-02	4.6E-08	4.2E+00
92	0.05	4.6E-08	2.4E+00	8.6E-03	1.0E-03	2.1E-05	1.6E-01	1.4E-02	4.6E-08	3.1E+00

93	0.04	4.2E-08	2.2E+00	8.6E-03	1.0E-03	2.0E-05	1.6E-01	1.4E-02	4.2E-08	2.3E+00
94	0.04	3.8E-08	1.9E+00	8.6E-03	1.0E-03	1.7E-05	1.6E-01	1.4E-02	3.8E-08	1.8E+00
95	0.03	3.2E-08	1.7E+00	8.6E-03	1.0E-03	1.5E-05	1.6E-01	1.4E-02	3.2E-08	1.4E+00
96	0.03	2.7E-08	1.4E+00	8.6E-03	1.0E-03	1.3E-05	1.6E-01	1.4E-02	2.7E-08	1.1E+00
97	0.01	7.4E-09	3.8E-01	8.6E-03	1.0E-03	3.4E-06	1.6E-01	1.4E-02	7.4E-09	7.5E-01
98	0.01	9.2E-09	4.7E-01	8.6E-03	1.0E-03	4.3E-06	1.6E-01	1.4E-02	9.2E-09	1.1E+00
99	0.01	1.2E-08	6.0E-01	8.6E-03	1.0E-03	5.4E-06	1.6E-01	1.4E-02	1.2E-08	1.6E+00
100	0.02	1.5E-08	7.8E-01	8.6E-03	1.0E-03	7.0E-06	1.6E-01	1.4E-02	1.5E-08	2.7E+00
101	0.02	2.0E-08	1.0E+00	8.6E-03	1.0E-03	9.3E-06	1.6E-01	1.4E-02	2.0E-08	5.2E+00
102	0.03	2.7E-08	1.4E+00	8.6E-03	1.0E-03	1.3E-05	1.6E-01	1.4E-02	2.7E-08	1.2E+01
103	0.04	3.7E-08	1.9E+00	8.6E-03	1.0E-03	1.7E-05	1.6E-01	1.4E-02	3.7E-08	2.3E+01
104	0.05	5.0E-08	2.6E+00	8.6E-03	1.0E-03	2.3E-05	1.6E-01	1.4E-02	4.9E-08	2.0E+01
105	0.06	6.4E-08	3.3E+00	8.6E-03	1.0E-03	3.0E-05	1.6E-01	1.4E-02	6.4E-08	1.2E+01
106	0.08	7.7E-08	4.0E+00	8.6E-03	1.0E-03	3.6E-05	1.6E-01	1.4E-02	7.7E-08	7.4E+00
107	0.08	7.7E-08	4.0E+00	8.6E-03	1.0E-03	3.6E-05	1.6E-01	1.4E-02	7.7E-08	4.7E+00
108	0.07	6.9E-08	3.6E+00	8.6E-03	1.0E-03	3.2E-05	1.6E-01	1.4E-02	6.9E-08	3.2E+00
109	0.06	5.7E-08	3.0E+00	8.6E-03	1.0E-03	2.7E-05	1.6E-01	1.4E-02	5.7E-08	2.3E+00
110	0.05	4.7E-08	2.4E+00	8.6E-03	1.0E-03	2.2E-05	1.6E-01	1.4E-02	4.7E-08	1.7E+00
111	0.04	3.8E-08	1.9E+00	8.6E-03	1.0E-03	1.7E-05	1.6E-01	1.4E-02	3.8E-08	1.3E+00
112	0.03	3.0E-08	1.6E+00	8.6E-03	1.0E-03	1.4E-05	1.6E-01	1.4E-02	3.0E-08	1.0E+00
113	0.01	8.0E-09	4.2E-01	8.6E-03	1.0E-03	3.7E-06	1.6E-01	1.4E-02	8.0E-09	7.9E-01
114	0.01	1.0E-08	5.3E-01	8.6E-03	1.0E-03	4.7E-06	1.6E-01	1.4E-02	1.0E-08	1.1E+00
115	0.01	1.3E-08	6.9E-01	8.6E-03	1.0E-03	6.2E-06	1.6E-01	1.4E-02	1.3E-08	1.8E+00
116	0.02	1.8E-08	9.4E-01	8.6E-03	1.0E-03	8.4E-06	1.6E-01	1.4E-02	1.8E-08	3.3E+00
117	0.03	2.6E-08	1.3E+00	8.6E-03	1.0E-03	1.2E-05	1.6E-01	1.4E-02	2.6E-08	7.6E+00
118	0.16	1.6E-07	8.4E+00	8.6E-03	1.0E-03	7.5E-05	1.6E-01	1.4E-02	1.6E-07	7.7E+00
119	0.13	1.3E-07	6.7E+00	8.6E-03	1.0E-03	6.0E-05	1.6E-01	1.4E-02	1.3E-07	4.5E+00
120	0.10	9.8E-08	5.1E+00	8.6E-03	1.0E-03	4.5E-05	1.6E-01	1.4E-02	9.8E-08	3.0E+00
121	0.07	7.3E-08	3.8E+00	8.6E-03	1.0E-03	3.4E-05	1.6E-01	1.4E-02	7.3E-08	2.1E+00
122	0.05	5.4E-08	2.8E+00	8.6E-03	1.0E-03	2.5E-05	1.6E-01	1.4E-02	5.4E-08	1.5E+00
123	0.04	4.1E-08	2.1E+00	8.6E-03	1.0E-03	1.9E-05	1.6E-01	1.4E-02	4.1E-08	1.1E+00
124	0.03	3.2E-08	1.6E+00	8.6E-03	1.0E-03	1.5E-05	1.6E-01	1.4E-02	3.2E-08	9.0E-01
125	0.01	8.4E-09	4.4E-01	8.6E-03	1.0E-03	3.9E-06	1.6E-01	1.4E-02	8.4E-09	7.8E-01
126	0.01	1.1E-08	5.6E-01	8.6E-03	1.0E-03	5.1E-06	1.6E-01	1.4E-02	1.1E-08	1.1E+00
127	0.01	1.5E-08	7.6E-01	8.6E-03	1.0E-03	6.8E-06	1.6E-01	1.4E-02	1.5E-08	1.8E+00
128	0.02	2.1E-08	1.1E+00	8.6E-03	1.0E-03	9.6E-06	1.6E-01	1.4E-02	2.1E-08	3.3E+00
129	0.03	3.1E-08	1.6E+00	8.6E-03	1.0E-03	1.4E-05	1.6E-01	1.4E-02	3.1E-08	7.4E+00
130	0.33	3.3E-07	1.7E+01	8.6E-03	1.0E-03	1.5E-04	1.6E-01	1.4E-02	3.3E-07	6.3E+00
131	0.19	1.9E-07	1.0E+01	8.6E-03	1.0E-03	9.0E-05	1.6E-01	1.4E-02	1.9E-07	3.7E+00
132	0.12	1.2E-07	6.3E+00	8.6E-03	1.0E-03	5.7E-05	1.6E-01	1.4E-02	1.2E-07	2.4E+00
133	0.08	8.2E-08	4.2E+00	8.6E-03	1.0E-03	3.8E-05	1.6E-01	1.4E-02	8.2E-08	1.7E+00
134	0.06	5.7E-08	2.9E+00	8.6E-03	1.0E-03	2.6E-05	1.6E-01	1.4E-02	5.7E-08	1.3E+00
135	0.04	4.1E-08	2.1E+00	8.6E-03	1.0E-03	1.9E-05	1.6E-01	1.4E-02	4.1E-08	9.9E-01
136	0.03	3.1E-08	1.6E+00	8.6E-03	1.0E-03	1.4E-05	1.6E-01	1.4E-02	3.1E-08	7.8E-01
137	0.01	8.7E-09	4.5E-01	8.6E-03	1.0E-03	4.0E-06	1.6E-01	1.4E-02	8.7E-09	7.4E-01
138	0.01	1.1E-08	5.9E-01	8.6E-03	1.0E-03	5.3E-06	1.6E-01	1.4E-02	1.1E-08	1.0E+00
139	0.02	1.5E-08	7.9E-01	8.6E-03	1.0E-03	7.1E-06	1.6E-01	1.4E-02	1.5E-08	1.6E+00
140	0.02	2.2E-08	1.1E+00	8.6E-03	1.0E-03	1.0E-05	1.6E-01	1.4E-02	2.2E-08	2.7E+00
141	0.03	3.4E-08	1.8E+00	8.6E-03	1.0E-03	1.6E-05	1.6E-01	1.4E-02	3.4E-08	5.0E+00

142	0.49	4.9E-07	2.5E+01	8.6E-03	1.0E-03	2.3E-04	1.6E-01	1.4E-02	4.9E-07	4.5E+00
143	0.23	2.3E-07	1.2E+01	8.6E-03	1.0E-03	1.1E-04	1.6E-01	1.4E-02	2.3E-07	2.9E+00
144	0.13	1.3E-07	6.7E+00	8.6E-03	1.0E-03	6.0E-05	1.6E-01	1.4E-02	1.3E-07	2.0E+00
145	0.08	8.1E-08	4.2E+00	8.6E-03	1.0E-03	3.8E-05	1.6E-01	1.4E-02	8.1E-08	1.5E+00
146	0.05	5.3E-08	2.8E+00	8.6E-03	1.0E-03	2.5E-05	1.6E-01	1.4E-02	5.3E-08	1.1E+00
147	0.04	3.8E-08	1.9E+00	8.6E-03	1.0E-03	1.7E-05	1.6E-01	1.4E-02	3.8E-08	8.6E-01
148	0.03	2.8E-08	1.4E+00	8.6E-03	1.0E-03	1.3E-05	1.6E-01	1.4E-02	2.8E-08	6.9E-01
149	0.01	8.6E-09	4.5E-01	8.6E-03	1.0E-03	4.0E-06	1.6E-01	1.4E-02	8.6E-09	6.7E-01
150	0.01	1.1E-08	5.7E-01	8.6E-03	1.0E-03	5.1E-06	1.6E-01	1.4E-02	1.1E-08	9.0E-01
151	0.02	1.5E-08	7.8E-01	8.6E-03	1.0E-03	7.0E-06	1.6E-01	1.4E-02	1.5E-08	1.3E+00
152	0.02	2.2E-08	1.1E+00	8.6E-03	1.0E-03	1.0E-05	1.6E-01	1.4E-02	2.2E-08	2.0E+00
153	0.03	3.3E-08	1.7E+00	8.6E-03	1.0E-03	1.6E-05	1.6E-01	1.4E-02	3.3E-08	3.1E+00
154	0.74	7.4E-07	3.8E+01	8.6E-03	1.0E-03	3.4E-04	1.6E-01	1.4E-02	7.4E-07	3.3E+00
155	0.22	2.2E-07	1.1E+01	8.6E-03	1.0E-03	1.0E-04	1.6E-01	1.4E-02	2.2E-07	2.3E+00
156	0.11	1.1E-07	5.6E+00	8.6E-03	1.0E-03	5.0E-05	1.6E-01	1.4E-02	1.1E-07	1.6E+00
157	0.07	6.9E-08	3.6E+00	8.6E-03	1.0E-03	3.2E-05	1.6E-01	1.4E-02	6.9E-08	1.2E+00
158	0.05	4.5E-08	2.4E+00	8.6E-03	1.0E-03	2.1E-05	1.6E-01	1.4E-02	4.5E-08	9.6E-01
159	0.03	3.2E-08	1.7E+00	8.6E-03	1.0E-03	1.5E-05	1.6E-01	1.4E-02	3.2E-08	7.6E-01
160	0.02	2.4E-08	1.2E+00	8.6E-03	1.0E-03	1.1E-05	1.6E-01	1.4E-02	2.4E-08	6.1E-01
161	0.01	7.8E-09	4.0E-01	8.6E-03	1.0E-03	3.6E-06	1.6E-01	1.4E-02	7.8E-09	5.9E-01
162	0.01	1.0E-08	5.2E-01	8.6E-03	1.0E-03	4.6E-06	1.6E-01	1.4E-02	1.0E-08	7.6E-01
163	0.01	1.3E-08	6.9E-01	8.6E-03	1.0E-03	6.2E-06	1.6E-01	1.4E-02	1.3E-08	1.0E+00
164	0.02	1.9E-08	1.0E+00	8.6E-03	1.0E-03	9.0E-06	1.6E-01	1.4E-02	1.9E-08	1.4E+00
165	0.03	3.0E-08	1.6E+00	8.6E-03	1.0E-03	1.4E-05	1.6E-01	1.4E-02	3.0E-08	2.1E+00
166	0.05	5.1E-08	2.7E+00	8.6E-03	1.0E-03	2.4E-05	1.6E-01	1.4E-02	5.1E-08	2.9E+00
167	0.11	1.1E-07	5.5E+00	8.6E-03	1.0E-03	4.9E-05	1.6E-01	1.4E-02	1.1E-07	3.6E+00
168	0.29	2.9E-07	1.5E+01	8.6E-03	1.0E-03	1.3E-04	1.6E-01	1.4E-02	2.9E-07	3.6E+00
169	0.47	4.7E-07	2.5E+01	8.6E-03	1.0E-03	2.2E-04	1.6E-01	1.4E-02	4.7E-07	3.1E+00
170	0.31	3.1E-07	1.6E+01	8.6E-03	1.0E-03	1.4E-04	1.6E-01	1.4E-02	3.1E-07	2.5E+00
171	0.15	1.5E-07	7.8E+00	8.6E-03	1.0E-03	7.0E-05	1.6E-01	1.4E-02	1.5E-07	1.9E+00
172	0.08	7.8E-08	4.0E+00	8.6E-03	1.0E-03	3.6E-05	1.6E-01	1.4E-02	7.8E-08	1.3E+00
173	0.05	5.1E-08	2.6E+00	8.6E-03	1.0E-03	2.4E-05	1.6E-01	1.4E-02	5.1E-08	1.0E+00
174	0.04	3.7E-08	1.9E+00	8.6E-03	1.0E-03	1.7E-05	1.6E-01	1.4E-02	3.7E-08	8.5E-01
175	0.03	2.7E-08	1.4E+00	8.6E-03	1.0E-03	1.3E-05	1.6E-01	1.4E-02	2.7E-08	6.8E-01
176	0.02	2.0E-08	1.1E+00	8.6E-03	1.0E-03	9.5E-06	1.6E-01	1.4E-02	2.0E-08	5.6E-01
177	0.01	7.3E-09	3.8E-01	8.6E-03	1.0E-03	3.4E-06	1.6E-01	1.4E-02	7.3E-09	5.1E-01
178	0.01	9.2E-09	4.8E-01	8.6E-03	1.0E-03	4.3E-06	1.6E-01	1.4E-02	9.2E-09	6.4E-01
179	0.01	1.2E-08	6.1E-01	8.6E-03	1.0E-03	5.5E-06	1.6E-01	1.4E-02	1.2E-08	8.2E-01
180	0.02	1.7E-08	9.0E-01	8.6E-03	1.0E-03	8.1E-06	1.6E-01	1.4E-02	1.7E-08	1.1E+00
181	0.03	2.5E-08	1.3E+00	8.6E-03	1.0E-03	1.2E-05	1.6E-01	1.4E-02	2.5E-08	1.5E+00
182	0.04	3.9E-08	2.0E+00	8.6E-03	1.0E-03	1.8E-05	1.6E-01	1.4E-02	3.9E-08	1.9E+00
183	0.07	6.6E-08	3.4E+00	8.6E-03	1.0E-03	3.1E-05	1.6E-01	1.4E-02	6.6E-08	2.2E+00
184	0.11	1.1E-07	5.8E+00	8.6E-03	1.0E-03	5.2E-05	1.6E-01	1.4E-02	1.1E-07	2.3E+00
185	0.15	1.5E-07	7.8E+00	8.6E-03	1.0E-03	7.0E-05	1.6E-01	1.4E-02	1.5E-07	2.2E+00
186	0.13	1.3E-07	6.9E+00	8.6E-03	1.0E-03	6.2E-05	1.6E-01	1.4E-02	1.3E-07	1.8E+00
187	0.09	9.3E-08	4.8E+00	8.6E-03	1.0E-03	4.3E-05	1.6E-01	1.4E-02	9.3E-08	1.5E+00
188	0.06	6.2E-08	3.2E+00	8.6E-03	1.0E-03	2.9E-05	1.6E-01	1.4E-02	6.2E-08	1.2E+00
189	0.04	4.0E-08	2.0E+00	8.6E-03	1.0E-03	1.8E-05	1.6E-01	1.4E-02	4.0E-08	9.0E-01
190	0.03	3.0E-08	1.6E+00	8.6E-03	1.0E-03	1.4E-05	1.6E-01	1.4E-02	3.0E-08	7.6E-01

191	0.02	2.3E-08	1.2E+00	8.6E-03	1.0E-03	1.1E-05	1.6E-01	1.4E-02	2.3E-08	6.3E-01
192	0.02	1.8E-08	9.2E-01	8.6E-03	1.0E-03	8.2E-06	1.6E-01	1.4E-02	1.8E-08	5.2E-01
193	0.01	6.7E-09	3.5E-01	8.6E-03	1.0E-03	3.1E-06	1.6E-01	1.4E-02	6.7E-09	4.4E-01
194	0.01	8.6E-09	4.5E-01	8.6E-03	1.0E-03	4.0E-06	1.6E-01	1.4E-02	8.6E-09	5.4E-01
195	0.01	1.1E-08	5.9E-01	8.6E-03	1.0E-03	5.3E-06	1.6E-01	1.4E-02	1.1E-08	6.7E-01
196	0.02	1.5E-08	7.8E-01	8.6E-03	1.0E-03	7.0E-06	1.6E-01	1.4E-02	1.5E-08	8.6E-01
197	0.02	2.0E-08	1.1E+00	8.6E-03	1.0E-03	9.5E-06	1.6E-01	1.4E-02	2.0E-08	1.1E+00
198	0.03	2.9E-08	1.5E+00	8.6E-03	1.0E-03	1.4E-05	1.6E-01	1.4E-02	2.9E-08	1.3E+00
199	0.04	4.3E-08	2.2E+00	8.6E-03	1.0E-03	2.0E-05	1.6E-01	1.4E-02	4.3E-08	1.5E+00
200	0.06	6.1E-08	3.2E+00	8.6E-03	1.0E-03	2.8E-05	1.6E-01	1.4E-02	6.1E-08	1.6E+00
201	0.07	7.5E-08	3.9E+00	8.6E-03	1.0E-03	3.5E-05	1.6E-01	1.4E-02	7.5E-08	1.5E+00
202	0.07	7.2E-08	3.7E+00	8.6E-03	1.0E-03	3.4E-05	1.6E-01	1.4E-02	7.2E-08	1.4E+00
203	0.06	5.7E-08	2.9E+00	8.6E-03	1.0E-03	2.6E-05	1.6E-01	1.4E-02	5.7E-08	1.1E+00
204	0.04	4.4E-08	2.3E+00	8.6E-03	1.0E-03	2.0E-05	1.6E-01	1.4E-02	4.4E-08	9.7E-01
205	0.03	3.3E-08	1.7E+00	8.6E-03	1.0E-03	1.5E-05	1.6E-01	1.4E-02	3.3E-08	8.0E-01
206	0.02	2.4E-08	1.2E+00	8.6E-03	1.0E-03	1.1E-05	1.6E-01	1.4E-02	2.4E-08	6.5E-01
207	0.02	2.0E-08	1.0E+00	8.6E-03	1.0E-03	9.3E-06	1.6E-01	1.4E-02	2.0E-08	5.7E-01
208	0.02	1.6E-08	8.2E-01	8.6E-03	1.0E-03	7.4E-06	1.6E-01	1.4E-02	1.6E-08	4.8E-01
209	0.01	6.6E-09	3.4E-01	8.6E-03	1.0E-03	3.1E-06	1.6E-01	1.4E-02	6.6E-09	3.8E-01
210	0.01	8.1E-09	4.2E-01	8.6E-03	1.0E-03	3.7E-06	1.6E-01	1.4E-02	8.1E-09	4.6E-01
211	0.01	1.0E-08	5.2E-01	8.6E-03	1.0E-03	4.7E-06	1.6E-01	1.4E-02	1.0E-08	5.6E-01
212	0.01	1.3E-08	6.5E-01	8.6E-03	1.0E-03	5.9E-06	1.6E-01	1.4E-02	1.3E-08	6.8E-01
213	0.02	1.6E-08	8.5E-01	8.6E-03	1.0E-03	7.6E-06	1.6E-01	1.4E-02	1.6E-08	8.3E-01
214	0.02	2.2E-08	1.2E+00	8.6E-03	1.0E-03	1.0E-05	1.6E-01	1.4E-02	2.2E-08	9.7E-01
215	0.03	3.0E-08	1.6E+00	8.6E-03	1.0E-03	1.4E-05	1.6E-01	1.4E-02	3.0E-08	1.1E+00
216	0.04	3.9E-08	2.0E+00	8.6E-03	1.0E-03	1.8E-05	1.6E-01	1.4E-02	3.9E-08	1.1E+00
217	0.04	4.5E-08	2.3E+00	8.6E-03	1.0E-03	2.1E-05	1.6E-01	1.4E-02	4.5E-08	1.1E+00
218	0.05	4.5E-08	2.3E+00	8.6E-03	1.0E-03	2.1E-05	1.6E-01	1.4E-02	4.5E-08	1.1E+00
219	0.04	4.1E-08	2.1E+00	8.6E-03	1.0E-03	1.9E-05	1.6E-01	1.4E-02	4.1E-08	9.6E-01
220	0.03	3.5E-08	1.8E+00	8.6E-03	1.0E-03	1.6E-05	1.6E-01	1.4E-02	3.5E-08	8.4E-01
221	0.03	2.8E-08	1.4E+00	8.6E-03	1.0E-03	1.3E-05	1.6E-01	1.4E-02	2.8E-08	7.2E-01
222	0.02	2.0E-08	1.1E+00	8.6E-03	1.0E-03	9.5E-06	1.6E-01	1.4E-02	2.0E-08	5.8E-01
223	0.02	1.6E-08	8.4E-01	8.6E-03	1.0E-03	7.5E-06	1.6E-01	1.4E-02	1.6E-08	4.9E-01
224	0.01	1.4E-08	7.4E-01	8.6E-03	1.0E-03	6.6E-06	1.6E-01	1.4E-02	1.4E-08	4.4E-01
225	0.01	6.1E-09	3.1E-01	8.6E-03	1.0E-03	2.8E-06	1.6E-01	1.4E-02	6.1E-09	3.4E-01
226	0.01	7.2E-09	3.7E-01	8.6E-03	1.0E-03	3.3E-06	1.6E-01	1.4E-02	7.2E-09	4.0E-01
227	0.01	8.7E-09	4.5E-01	8.6E-03	1.0E-03	4.0E-06	1.6E-01	1.4E-02	8.7E-09	4.7E-01
228	0.01	1.1E-08	5.6E-01	8.6E-03	1.0E-03	5.0E-06	1.6E-01	1.4E-02	1.1E-08	5.6E-01
229	0.01	1.3E-08	7.0E-01	8.6E-03	1.0E-03	6.3E-06	1.6E-01	1.4E-02	1.3E-08	6.5E-01
230	0.02	1.7E-08	9.0E-01	8.6E-03	1.0E-03	8.0E-06	1.6E-01	1.4E-02	1.7E-08	7.5E-01
231	0.02	2.2E-08	1.1E+00	8.6E-03	1.0E-03	1.0E-05	1.6E-01	1.4E-02	2.2E-08	8.3E-01
232	0.03	2.7E-08	1.4E+00	8.6E-03	1.0E-03	1.2E-05	1.6E-01	1.4E-02	2.7E-08	8.7E-01
233	0.03	3.0E-08	1.6E+00	8.6E-03	1.0E-03	1.4E-05	1.6E-01	1.4E-02	3.0E-08	8.7E-01
234	0.03	3.1E-08	1.6E+00	8.6E-03	1.0E-03	1.4E-05	1.6E-01	1.4E-02	3.1E-08	8.4E-01
235	0.03	3.0E-08	1.5E+00	8.6E-03	1.0E-03	1.4E-05	1.6E-01	1.4E-02	3.0E-08	7.8E-01
236	0.03	2.7E-08	1.4E+00	8.6E-03	1.0E-03	1.2E-05	1.6E-01	1.4E-02	2.7E-08	7.1E-01
237	0.02	2.3E-08	1.2E+00	8.6E-03	1.0E-03	1.0E-05	1.6E-01	1.4E-02	2.3E-08	6.2E-01
238	0.02	1.9E-08	9.7E-01	8.6E-03	1.0E-03	8.7E-06	1.6E-01	1.4E-02	1.9E-08	5.4E-01
239	0.01	1.4E-08	7.4E-01	8.6E-03	1.0E-03	6.6E-06	1.6E-01	1.4E-02	1.4E-08	4.4E-01

240	0.01	1.2E-08	6.1E-01	8.6E-03	1.0E-03	5.5E-06	1.6E-01	1.4E-02	1.2E-08	3.8E-01
241	0.01	5.4E-09	2.8E-01	8.6E-03	1.0E-03	2.5E-06	1.6E-01	1.4E-02	5.4E-09	2.9E-01
242	0.01	6.4E-09	3.3E-01	8.6E-03	1.0E-03	3.0E-06	1.6E-01	1.4E-02	6.4E-09	3.4E-01
243	0.01	7.5E-09	3.9E-01	8.6E-03	1.0E-03	3.5E-06	1.6E-01	1.4E-02	7.5E-09	4.0E-01
244	0.01	9.0E-09	4.7E-01	8.6E-03	1.0E-03	4.2E-06	1.6E-01	1.4E-02	9.0E-09	4.6E-01
245	0.01	1.1E-08	5.7E-01	8.6E-03	1.0E-03	5.2E-06	1.6E-01	1.4E-02	1.1E-08	5.3E-01
246	0.01	1.4E-08	7.0E-01	8.6E-03	1.0E-03	6.3E-06	1.6E-01	1.4E-02	1.4E-08	6.0E-01
247	0.02	1.7E-08	8.6E-01	8.6E-03	1.0E-03	7.7E-06	1.6E-01	1.4E-02	1.7E-08	6.5E-01
248	0.02	2.0E-08	1.0E+00	8.6E-03	1.0E-03	9.1E-06	1.6E-01	1.4E-02	2.0E-08	6.8E-01
249	0.02	2.2E-08	1.1E+00	8.6E-03	1.0E-03	1.0E-05	1.6E-01	1.4E-02	2.2E-08	6.9E-01
250	0.02	2.3E-08	1.2E+00	8.6E-03	1.0E-03	1.1E-05	1.6E-01	1.4E-02	2.3E-08	6.7E-01
251	0.02	2.2E-08	1.1E+00	8.6E-03	1.0E-03	1.0E-05	1.6E-01	1.4E-02	2.2E-08	6.4E-01
252	0.02	2.1E-08	1.1E+00	8.6E-03	1.0E-03	9.5E-06	1.6E-01	1.4E-02	2.1E-08	5.9E-01
253	0.02	1.8E-08	9.5E-01	8.6E-03	1.0E-03	8.5E-06	1.6E-01	1.4E-02	1.8E-08	5.4E-01
254	0.02	1.6E-08	8.2E-01	8.6E-03	1.0E-03	7.4E-06	1.6E-01	1.4E-02	1.6E-08	4.8E-01
255	0.01	1.3E-08	6.9E-01	8.6E-03	1.0E-03	6.1E-06	1.6E-01	1.4E-02	1.3E-08	4.2E-01
256	0.01	1.0E-08	5.4E-01	8.6E-03	1.0E-03	4.9E-06	1.6E-01	1.4E-02	1.0E-08	3.5E-01
257	0.00	4.9E-09	2.5E-01	8.6E-03	1.0E-03	2.3E-06	1.6E-01	1.4E-02	4.9E-09	2.6E-01
258	0.01	5.6E-09	2.9E-01	8.6E-03	1.0E-03	2.6E-06	1.6E-01	1.4E-02	5.6E-09	3.0E-01
259	0.01	6.6E-09	3.4E-01	8.6E-03	1.0E-03	3.0E-06	1.6E-01	1.4E-02	6.6E-09	3.4E-01
260	0.01	7.8E-09	4.0E-01	8.6E-03	1.0E-03	3.6E-06	1.6E-01	1.4E-02	7.8E-09	3.9E-01
261	0.01	9.3E-09	4.8E-01	8.6E-03	1.0E-03	4.3E-06	1.6E-01	1.4E-02	9.3E-09	4.4E-01
262	0.01	1.1E-08	5.7E-01	8.6E-03	1.0E-03	5.1E-06	1.6E-01	1.4E-02	1.1E-08	4.9E-01
263	0.01	1.3E-08	6.8E-01	8.6E-03	1.0E-03	6.1E-06	1.6E-01	1.4E-02	1.3E-08	5.3E-01
264	0.01	1.5E-08	7.8E-01	8.6E-03	1.0E-03	7.0E-06	1.6E-01	1.4E-02	1.5E-08	5.5E-01
265	0.02	1.6E-08	8.5E-01	8.6E-03	1.0E-03	7.6E-06	1.6E-01	1.4E-02	1.6E-08	5.6E-01
266	0.02	1.7E-08	8.9E-01	8.6E-03	1.0E-03	8.0E-06	1.6E-01	1.4E-02	1.7E-08	5.5E-01
267	0.02	1.7E-08	8.8E-01	8.6E-03	1.0E-03	7.9E-06	1.6E-01	1.4E-02	1.7E-08	5.3E-01
268	0.02	1.6E-08	8.4E-01	8.6E-03	1.0E-03	7.5E-06	1.6E-01	1.4E-02	1.6E-08	5.0E-01
269	0.01	1.5E-08	7.7E-01	8.6E-03	1.0E-03	6.9E-06	1.6E-01	1.4E-02	1.5E-08	4.6E-01
270	0.01	1.3E-08	6.9E-01	8.6E-03	1.0E-03	6.2E-06	1.6E-01	1.4E-02	1.3E-08	4.2E-01
271	0.01	1.2E-08	6.0E-01	8.6E-03	1.0E-03	5.4E-06	1.6E-01	1.4E-02	1.2E-08	3.8E-01
272	0.01	9.4E-09	4.9E-01	8.6E-03	1.0E-03	4.4E-06	1.6E-01	1.4E-02	9.4E-09	3.2E-01
273	0.03	2.7E-08	1.4E+00	8.6E-03	1.0E-03	1.3E-05	1.6E-01	1.4E-02	2.7E-08	1.2E+01
274	0.03	2.9E-08	1.5E+00	8.6E-03	1.0E-03	1.3E-05	1.6E-01	1.4E-02	2.9E-08	1.4E+01
275	0.03	3.1E-08	1.6E+00	8.6E-03	1.0E-03	1.4E-05	1.6E-01	1.4E-02	3.1E-08	1.6E+01
276	0.03	3.3E-08	1.7E+00	8.6E-03	1.0E-03	1.5E-05	1.6E-01	1.4E-02	3.3E-08	1.9E+01
277	0.03	3.5E-08	1.8E+00	8.6E-03	1.0E-03	1.6E-05	1.6E-01	1.4E-02	3.5E-08	2.1E+01
278	0.04	3.7E-08	1.9E+00	8.6E-03	1.0E-03	1.7E-05	1.6E-01	1.4E-02	3.7E-08	2.3E+01
279	0.04	3.9E-08	2.0E+00	8.6E-03	1.0E-03	1.8E-05	1.6E-01	1.4E-02	3.9E-08	2.5E+01
280	0.04	4.2E-08	2.1E+00	8.6E-03	1.0E-03	1.9E-05	1.6E-01	1.4E-02	4.1E-08	2.4E+01
281	0.04	4.4E-08	2.3E+00	8.6E-03	1.0E-03	2.0E-05	1.6E-01	1.4E-02	4.4E-08	2.3E+01
282	0.05	4.7E-08	2.4E+00	8.6E-03	1.0E-03	2.2E-05	1.6E-01	1.4E-02	4.6E-08	2.2E+01
283	0.05	5.0E-08	2.6E+00	8.6E-03	1.0E-03	2.3E-05	1.6E-01	1.4E-02	4.9E-08	2.0E+01
284	0.05	5.2E-08	2.7E+00	8.6E-03	1.0E-03	2.4E-05	1.6E-01	1.4E-02	5.2E-08	1.8E+01
285	0.05	5.5E-08	2.8E+00	8.6E-03	1.0E-03	2.5E-05	1.6E-01	1.4E-02	5.4E-08	1.7E+01
286	0.06	5.7E-08	3.0E+00	8.6E-03	1.0E-03	2.7E-05	1.6E-01	1.4E-02	5.7E-08	1.5E+01
287	0.06	6.1E-08	3.1E+00	8.6E-03	1.0E-03	2.8E-05	1.6E-01	1.4E-02	6.1E-08	1.3E+01
288	0.06	6.4E-08	3.3E+00	8.6E-03	1.0E-03	3.0E-05	1.6E-01	1.4E-02	6.4E-08	1.2E+01

289	0.07	6.7E-08	3.5E+00	8.6E-03	1.0E-03	3.1E-05	1.6E-01	1.4E-02	6.7E-08	1.1E+01
290	0.07	7.1E-08	3.7E+00	8.6E-03	1.0E-03	3.3E-05	1.6E-01	1.4E-02	7.1E-08	9.9E+00
291	0.07	7.4E-08	3.8E+00	8.6E-03	1.0E-03	3.4E-05	1.6E-01	1.4E-02	7.4E-08	9.0E+00
292	0.08	7.6E-08	3.9E+00	8.6E-03	1.0E-03	3.5E-05	1.6E-01	1.4E-02	7.6E-08	8.1E+00
293	0.08	7.7E-08	4.0E+00	8.6E-03	1.0E-03	3.6E-05	1.6E-01	1.4E-02	7.7E-08	7.4E+00
294	0.08	7.8E-08	4.0E+00	8.6E-03	1.0E-03	3.6E-05	1.6E-01	1.4E-02	7.8E-08	6.7E+00
295	0.08	7.8E-08	4.1E+00	8.6E-03	1.0E-03	3.6E-05	1.6E-01	1.4E-02	7.8E-08	6.1E+00
296	0.08	7.8E-08	4.0E+00	8.6E-03	1.0E-03	3.6E-05	1.6E-01	1.4E-02	7.8E-08	5.6E+00
297	0.08	7.8E-08	4.0E+00	8.6E-03	1.0E-03	3.6E-05	1.6E-01	1.4E-02	7.8E-08	5.1E+00
298	0.08	7.7E-08	4.0E+00	8.6E-03	1.0E-03	3.6E-05	1.6E-01	1.4E-02	7.7E-08	4.7E+00
299	0.03	2.9E-08	1.5E+00	8.6E-03	1.0E-03	1.4E-05	1.6E-01	1.4E-02	2.9E-08	1.4E+01
300	0.03	3.1E-08	1.6E+00	8.6E-03	1.0E-03	1.4E-05	1.6E-01	1.4E-02	3.1E-08	1.8E+01
301	0.03	3.3E-08	1.7E+00	8.6E-03	1.0E-03	1.5E-05	1.6E-01	1.4E-02	3.3E-08	2.2E+01
302	0.04	3.6E-08	1.8E+00	8.6E-03	1.0E-03	1.6E-05	1.6E-01	1.4E-02	3.5E-08	2.6E+01
303	0.04	3.8E-08	2.0E+00	8.6E-03	1.0E-03	1.8E-05	1.6E-01	1.4E-02	3.8E-08	3.1E+01
304	0.04	4.1E-08	2.1E+00	8.6E-03	1.0E-03	1.9E-05	1.6E-01	1.4E-02	4.1E-08	3.4E+01
305	0.04	4.3E-08	2.2E+00	8.6E-03	1.0E-03	2.0E-05	1.6E-01	1.4E-02	4.3E-08	3.5E+01
306	0.05	4.6E-08	2.4E+00	8.6E-03	1.0E-03	2.1E-05	1.6E-01	1.4E-02	4.6E-08	3.3E+01
307	0.05	4.9E-08	2.5E+00	8.6E-03	1.0E-03	2.3E-05	1.6E-01	1.4E-02	4.9E-08	3.0E+01
308	0.05	5.2E-08	2.7E+00	8.6E-03	1.0E-03	2.4E-05	1.6E-01	1.4E-02	5.2E-08	2.7E+01
309	0.06	5.6E-08	2.9E+00	8.6E-03	1.0E-03	2.6E-05	1.6E-01	1.4E-02	5.6E-08	2.4E+01
310	0.06	5.9E-08	3.0E+00	8.6E-03	1.0E-03	2.7E-05	1.6E-01	1.4E-02	5.9E-08	2.1E+01
311	0.06	6.2E-08	3.2E+00	8.6E-03	1.0E-03	2.9E-05	1.6E-01	1.4E-02	6.2E-08	1.9E+01
312	0.07	6.6E-08	3.4E+00	8.6E-03	1.0E-03	3.1E-05	1.6E-01	1.4E-02	6.6E-08	1.7E+01
313	0.07	7.1E-08	3.6E+00	8.6E-03	1.0E-03	3.3E-05	1.6E-01	1.4E-02	7.0E-08	1.5E+01
314	0.07	7.4E-08	3.8E+00	8.6E-03	1.0E-03	3.4E-05	1.6E-01	1.4E-02	7.4E-08	1.3E+01
315	0.08	7.8E-08	4.0E+00	8.6E-03	1.0E-03	3.6E-05	1.6E-01	1.4E-02	7.8E-08	1.2E+01
316	0.08	8.2E-08	4.3E+00	8.6E-03	1.0E-03	3.8E-05	1.6E-01	1.4E-02	8.2E-08	1.0E+01
317	0.09	8.6E-08	4.4E+00	8.6E-03	1.0E-03	4.0E-05	1.6E-01	1.4E-02	8.6E-08	9.4E+00
318	0.09	8.8E-08	4.5E+00	8.6E-03	1.0E-03	4.1E-05	1.6E-01	1.4E-02	8.8E-08	8.4E+00
319	0.09	8.9E-08	4.6E+00	8.6E-03	1.0E-03	4.1E-05	1.6E-01	1.4E-02	8.9E-08	7.6E+00
320	0.09	8.9E-08	4.6E+00	8.6E-03	1.0E-03	4.1E-05	1.6E-01	1.4E-02	8.9E-08	6.9E+00
321	0.09	8.9E-08	4.6E+00	8.6E-03	1.0E-03	4.1E-05	1.6E-01	1.4E-02	8.9E-08	6.2E+00
322	0.09	8.8E-08	4.6E+00	8.6E-03	1.0E-03	4.1E-05	1.6E-01	1.4E-02	8.8E-08	5.7E+00
323	0.09	8.7E-08	4.5E+00	8.6E-03	1.0E-03	4.0E-05	1.6E-01	1.4E-02	8.7E-08	5.2E+00
324	0.09	8.5E-08	4.4E+00	8.6E-03	1.0E-03	4.0E-05	1.6E-01	1.4E-02	8.5E-08	4.8E+00
325	0.03	3.1E-08	1.6E+00	8.6E-03	1.0E-03	1.5E-05	1.6E-01	1.4E-02	3.1E-08	1.8E+01
326	0.03	3.4E-08	1.7E+00	8.6E-03	1.0E-03	1.6E-05	1.6E-01	1.4E-02	3.3E-08	2.3E+01
327	0.04	3.6E-08	1.9E+00	8.6E-03	1.0E-03	1.7E-05	1.6E-01	1.4E-02	3.6E-08	2.9E+01
328	0.04	3.9E-08	2.0E+00	8.6E-03	1.0E-03	1.8E-05	1.6E-01	1.4E-02	3.9E-08	3.8E+01
329	0.04	4.2E-08	2.2E+00	8.6E-03	1.0E-03	1.9E-05	1.6E-01	1.4E-02	4.2E-08	4.8E+01
330	0.05	4.5E-08	2.3E+00	8.6E-03	1.0E-03	2.1E-05	1.6E-01	1.4E-02	4.5E-08	5.4E+01
331	0.05	4.8E-08	2.5E+00	8.6E-03	1.0E-03	2.2E-05	1.6E-01	1.4E-02	4.8E-08	5.3E+01
332	0.05	5.1E-08	2.7E+00	8.6E-03	1.0E-03	2.4E-05	1.6E-01	1.4E-02	5.1E-08	4.7E+01
333	0.06	5.5E-08	2.9E+00	8.6E-03	1.0E-03	2.6E-05	1.6E-01	1.4E-02	5.5E-08	4.0E+01
334	0.06	6.0E-08	3.1E+00	8.6E-03	1.0E-03	2.8E-05	1.6E-01	1.4E-02	5.9E-08	3.4E+01
335	0.06	6.4E-08	3.3E+00	8.6E-03	1.0E-03	3.0E-05	1.6E-01	1.4E-02	6.4E-08	2.9E+01
336	0.07	6.8E-08	3.5E+00	8.6E-03	1.0E-03	3.1E-05	1.6E-01	1.4E-02	6.8E-08	2.4E+01
337	0.07	7.2E-08	3.7E+00	8.6E-03	1.0E-03	3.3E-05	1.6E-01	1.4E-02	7.2E-08	2.1E+01

338	0.08	7.7E-08	4.0E+00	8.6E-03	1.0E-03	3.6E-05	1.6E-01	1.4E-02	7.7E-08	1.8E+01
339	0.08	8.3E-08	4.3E+00	8.6E-03	1.0E-03	3.8E-05	1.6E-01	1.4E-02	8.2E-08	1.6E+01
340	0.09	8.7E-08	4.5E+00	8.6E-03	1.0E-03	4.0E-05	1.6E-01	1.4E-02	8.7E-08	1.4E+01
341	0.09	9.2E-08	4.8E+00	8.6E-03	1.0E-03	4.3E-05	1.6E-01	1.4E-02	9.2E-08	1.2E+01
342	0.10	9.7E-08	5.0E+00	8.6E-03	1.0E-03	4.5E-05	1.6E-01	1.4E-02	9.7E-08	1.1E+01
343	0.10	1.0E-07	5.2E+00	8.6E-03	1.0E-03	4.7E-05	1.6E-01	1.4E-02	1.0E-07	9.7E+00
344	0.10	1.0E-07	5.3E+00	8.6E-03	1.0E-03	4.7E-05	1.6E-01	1.4E-02	1.0E-07	8.7E+00
345	0.10	1.0E-07	5.3E+00	8.6E-03	1.0E-03	4.8E-05	1.6E-01	1.4E-02	1.0E-07	7.8E+00
346	0.10	1.0E-07	5.3E+00	8.6E-03	1.0E-03	4.7E-05	1.6E-01	1.4E-02	1.0E-07	7.0E+00
347	0.10	1.0E-07	5.2E+00	8.6E-03	1.0E-03	4.7E-05	1.6E-01	1.4E-02	1.0E-07	6.3E+00
348	0.10	1.0E-07	5.2E+00	8.6E-03	1.0E-03	4.6E-05	1.6E-01	1.4E-02	1.0E-07	5.7E+00
349	0.10	9.8E-08	5.0E+00	8.6E-03	1.0E-03	4.5E-05	1.6E-01	1.4E-02	9.7E-08	5.2E+00
350	0.10	9.5E-08	4.9E+00	8.6E-03	1.0E-03	4.4E-05	1.6E-01	1.4E-02	9.5E-08	4.8E+00
351	0.03	3.4E-08	1.7E+00	8.6E-03	1.0E-03	1.6E-05	1.6E-01	1.4E-02	3.4E-08	2.1E+01
352	0.04	3.6E-08	1.9E+00	8.6E-03	1.0E-03	1.7E-05	1.6E-01	1.4E-02	3.6E-08	2.9E+01
353	0.04	3.9E-08	2.0E+00	8.6E-03	1.0E-03	1.8E-05	1.6E-01	1.4E-02	3.9E-08	4.0E+01
354	0.04	4.2E-08	2.2E+00	8.6E-03	1.0E-03	2.0E-05	1.6E-01	1.4E-02	4.2E-08	5.7E+01
355	0.05	4.6E-08	2.4E+00	8.6E-03	1.0E-03	2.1E-05	1.6E-01	1.4E-02	4.6E-08	2.2E+01
356	0.05	5.0E-08	2.6E+00	8.6E-03	1.0E-03	2.3E-05	1.6E-01	1.4E-02	5.0E-08	2.5E+01
357	0.05	5.4E-08	2.8E+00	8.6E-03	1.0E-03	2.5E-05	1.6E-01	1.4E-02	5.4E-08	2.6E+01
358	0.06	5.8E-08	3.0E+00	8.6E-03	1.0E-03	2.7E-05	1.6E-01	1.4E-02	5.8E-08	6.8E+01
359	0.06	6.3E-08	3.3E+00	8.6E-03	1.0E-03	2.9E-05	1.6E-01	1.4E-02	6.3E-08	5.2E+01
360	0.07	6.9E-08	3.5E+00	8.6E-03	1.0E-03	3.2E-05	1.6E-01	1.4E-02	6.8E-08	4.1E+01
361	0.07	7.4E-08	3.8E+00	8.6E-03	1.0E-03	3.4E-05	1.6E-01	1.4E-02	7.4E-08	3.3E+01
362	0.08	7.9E-08	4.1E+00	8.6E-03	1.0E-03	3.7E-05	1.6E-01	1.4E-02	7.9E-08	2.8E+01
363	0.09	8.5E-08	4.4E+00	8.6E-03	1.0E-03	3.9E-05	1.6E-01	1.4E-02	8.5E-08	2.3E+01
364	0.09	9.1E-08	4.7E+00	8.6E-03	1.0E-03	4.2E-05	1.6E-01	1.4E-02	9.1E-08	2.0E+01
365	0.10	9.8E-08	5.1E+00	8.6E-03	1.0E-03	4.5E-05	1.6E-01	1.4E-02	9.8E-08	1.7E+01
366	0.10	1.0E-07	5.4E+00	8.6E-03	1.0E-03	4.8E-05	1.6E-01	1.4E-02	1.0E-07	1.5E+01
367	0.11	1.1E-07	5.7E+00	8.6E-03	1.0E-03	5.1E-05	1.6E-01	1.4E-02	1.1E-07	1.3E+01
368	0.12	1.2E-07	6.0E+00	8.6E-03	1.0E-03	5.4E-05	1.6E-01	1.4E-02	1.2E-07	1.1E+01
369	0.12	1.2E-07	6.1E+00	8.6E-03	1.0E-03	5.5E-05	1.6E-01	1.4E-02	1.2E-07	9.9E+00
370	0.12	1.2E-07	6.2E+00	8.6E-03	1.0E-03	5.6E-05	1.6E-01	1.4E-02	1.2E-07	8.8E+00
371	0.12	1.2E-07	6.2E+00	8.6E-03	1.0E-03	5.5E-05	1.6E-01	1.4E-02	1.2E-07	7.8E+00
372	0.12	1.2E-07	6.1E+00	8.6E-03	1.0E-03	5.5E-05	1.6E-01	1.4E-02	1.2E-07	7.0E+00
373	0.12	1.2E-07	6.0E+00	8.6E-03	1.0E-03	5.4E-05	1.6E-01	1.4E-02	1.2E-07	6.3E+00
374	0.11	1.1E-07	5.8E+00	8.6E-03	1.0E-03	5.2E-05	1.6E-01	1.4E-02	1.1E-07	5.7E+00
375	0.11	1.1E-07	5.7E+00	8.6E-03	1.0E-03	5.1E-05	1.6E-01	1.4E-02	1.1E-07	5.2E+00
376	0.11	1.1E-07	5.5E+00	8.6E-03	1.0E-03	4.9E-05	1.6E-01	1.4E-02	1.1E-07	4.7E+00
377	0.04	3.6E-08	1.9E+00	8.6E-03	1.0E-03	1.7E-05	1.6E-01	1.4E-02	3.6E-08	2.5E+01
378	0.04	3.9E-08	2.0E+00	8.6E-03	1.0E-03	1.8E-05	1.6E-01	1.4E-02	3.9E-08	3.6E+01
379	0.04	4.3E-08	2.2E+00	8.6E-03	1.0E-03	2.0E-05	1.6E-01	1.4E-02	4.3E-08	5.3E+01
380	0.05	4.6E-08	2.4E+00	8.6E-03	1.0E-03	2.2E-05	1.6E-01	1.4E-02	4.6E-08	2.8E+01
381	0.05	5.1E-08	2.6E+00	8.6E-03	1.0E-03	2.4E-05	1.6E-01	1.4E-02	5.1E-08	3.4E+01
382	0.13	1.3E-07	7.0E+00	8.6E-03	1.0E-03	6.2E-05	1.6E-01	1.4E-02	1.3E-07	1.3E+01
383	0.14	1.4E-07	7.2E+00	8.6E-03	1.0E-03	6.5E-05	1.6E-01	1.4E-02	1.4E-07	1.1E+01
384	0.14	1.4E-07	7.3E+00	8.6E-03	1.0E-03	6.6E-05	1.6E-01	1.4E-02	1.4E-07	1.0E+01
385	0.14	1.4E-07	7.3E+00	8.6E-03	1.0E-03	6.6E-05	1.6E-01	1.4E-02	1.4E-07	8.8E+00
386	0.14	1.4E-07	7.2E+00	8.6E-03	1.0E-03	6.5E-05	1.6E-01	1.4E-02	1.4E-07	7.8E+00

387	0.14	1.4E-07	7.0E+00	8.6E-03	1.0E-03	6.3E-05	1.6E-01	1.4E-02	1.4E-07	7.0E+00
388	0.13	1.3E-07	6.8E+00	8.6E-03	1.0E-03	6.1E-05	1.6E-01	1.4E-02	1.3E-07	6.3E+00
389	0.13	1.3E-07	6.6E+00	8.6E-03	1.0E-03	5.9E-05	1.6E-01	1.4E-02	1.3E-07	5.6E+00
390	0.12	1.2E-07	6.3E+00	8.6E-03	1.0E-03	5.7E-05	1.6E-01	1.4E-02	1.2E-07	5.1E+00
391	0.12	1.2E-07	6.1E+00	8.6E-03	1.0E-03	5.4E-05	1.6E-01	1.4E-02	1.2E-07	4.6E+00
392	0.04	3.9E-08	2.0E+00	8.6E-03	1.0E-03	1.8E-05	1.6E-01	1.4E-02	3.9E-08	2.9E+01
393	0.04	4.2E-08	2.2E+00	8.6E-03	1.0E-03	2.0E-05	1.6E-01	1.4E-02	4.2E-08	4.2E+01
394	0.05	4.6E-08	2.4E+00	8.6E-03	1.0E-03	2.1E-05	1.6E-01	1.4E-02	4.6E-08	6.4E+01
395	0.05	5.1E-08	2.6E+00	8.6E-03	1.0E-03	2.4E-05	1.6E-01	1.4E-02	5.1E-08	4.2E+01
396	0.06	5.6E-08	2.9E+00	8.6E-03	1.0E-03	2.6E-05	1.6E-01	1.4E-02	5.6E-08	5.7E+01
397	0.17	1.7E-07	8.6E+00	8.6E-03	1.0E-03	7.7E-05	1.6E-01	1.4E-02	1.7E-07	1.3E+01
398	0.17	1.7E-07	8.8E+00	8.6E-03	1.0E-03	7.9E-05	1.6E-01	1.4E-02	1.7E-07	1.1E+01
399	0.17	1.7E-07	8.8E+00	8.6E-03	1.0E-03	7.9E-05	1.6E-01	1.4E-02	1.7E-07	1.0E+01
400	0.17	1.7E-07	8.7E+00	8.6E-03	1.0E-03	7.8E-05	1.6E-01	1.4E-02	1.7E-07	8.8E+00
401	0.16	1.6E-07	8.4E+00	8.6E-03	1.0E-03	7.5E-05	1.6E-01	1.4E-02	1.6E-07	7.7E+00
402	0.16	1.6E-07	8.1E+00	8.6E-03	1.0E-03	7.3E-05	1.6E-01	1.4E-02	1.6E-07	6.9E+00
403	0.15	1.5E-07	7.7E+00	8.6E-03	1.0E-03	6.9E-05	1.6E-01	1.4E-02	1.5E-07	6.1E+00
404	0.14	1.4E-07	7.4E+00	8.6E-03	1.0E-03	6.6E-05	1.6E-01	1.4E-02	1.4E-07	5.5E+00
405	0.14	1.4E-07	7.0E+00	8.6E-03	1.0E-03	6.3E-05	1.6E-01	1.4E-02	1.4E-07	5.0E+00
406	0.13	1.3E-07	6.7E+00	8.6E-03	1.0E-03	6.0E-05	1.6E-01	1.4E-02	1.3E-07	4.5E+00
407	0.04	4.1E-08	2.1E+00	8.6E-03	1.0E-03	1.9E-05	1.6E-01	1.4E-02	4.1E-08	3.1E+01
408	0.05	4.5E-08	2.3E+00	8.6E-03	1.0E-03	2.1E-05	1.6E-01	1.4E-02	4.5E-08	4.5E+01
409	0.05	5.0E-08	2.6E+00	8.6E-03	1.0E-03	2.3E-05	1.6E-01	1.4E-02	5.0E-08	7.1E+01
410	0.05	5.5E-08	2.8E+00	8.6E-03	1.0E-03	2.5E-05	1.6E-01	1.4E-02	5.5E-08	1.7E+01
411	0.06	6.1E-08	3.2E+00	8.6E-03	1.0E-03	2.8E-05	1.6E-01	1.4E-02	6.1E-08	2.0E+01
412	0.21	2.1E-07	1.1E+01	8.6E-03	1.0E-03	9.8E-05	1.6E-01	1.4E-02	2.1E-07	1.3E+01
413	0.21	2.1E-07	1.1E+01	8.6E-03	1.0E-03	9.8E-05	1.6E-01	1.4E-02	2.1E-07	1.1E+01
414	0.21	2.1E-07	1.1E+01	8.6E-03	1.0E-03	9.6E-05	1.6E-01	1.4E-02	2.1E-07	9.8E+00
415	0.20	2.0E-07	1.0E+01	8.6E-03	1.0E-03	9.3E-05	1.6E-01	1.4E-02	2.0E-07	8.6E+00
416	0.19	1.9E-07	9.8E+00	8.6E-03	1.0E-03	8.8E-05	1.6E-01	1.4E-02	1.9E-07	7.6E+00
417	0.18	1.8E-07	9.3E+00	8.6E-03	1.0E-03	8.3E-05	1.6E-01	1.4E-02	1.8E-07	6.7E+00
418	0.17	1.7E-07	8.8E+00	8.6E-03	1.0E-03	7.9E-05	1.6E-01	1.4E-02	1.7E-07	6.0E+00
419	0.16	1.6E-07	8.3E+00	8.6E-03	1.0E-03	7.4E-05	1.6E-01	1.4E-02	1.6E-07	5.4E+00
420	0.15	1.5E-07	7.8E+00	8.6E-03	1.0E-03	7.0E-05	1.6E-01	1.4E-02	1.5E-07	4.9E+00
421	0.14	1.4E-07	7.3E+00	8.6E-03	1.0E-03	6.6E-05	1.6E-01	1.4E-02	1.4E-07	4.4E+00
422	0.04	4.4E-08	2.3E+00	8.6E-03	1.0E-03	2.0E-05	1.6E-01	1.4E-02	4.4E-08	3.2E+01
423	0.05	4.8E-08	2.5E+00	8.6E-03	1.0E-03	2.2E-05	1.6E-01	1.4E-02	4.8E-08	4.7E+01
424	0.05	5.4E-08	2.8E+00	8.6E-03	1.0E-03	2.5E-05	1.6E-01	1.4E-02	5.4E-08	7.5E+01
425	0.06	6.0E-08	3.1E+00	8.6E-03	1.0E-03	2.8E-05	1.6E-01	1.4E-02	6.0E-08	6.2E+01
426	0.07	6.7E-08	3.5E+00	8.6E-03	1.0E-03	3.1E-05	1.6E-01	1.4E-02	6.7E-08	3.4E+01
427	0.27	2.7E-07	1.4E+01	8.6E-03	1.0E-03	1.3E-04	1.6E-01	1.4E-02	2.7E-07	1.3E+01
428	0.27	2.7E-07	1.4E+01	8.6E-03	1.0E-03	1.2E-04	1.6E-01	1.4E-02	2.7E-07	1.1E+01
429	0.25	2.5E-07	1.3E+01	8.6E-03	1.0E-03	1.2E-04	1.6E-01	1.4E-02	2.5E-07	9.5E+00
430	0.24	2.4E-07	1.2E+01	8.6E-03	1.0E-03	1.1E-04	1.6E-01	1.4E-02	2.4E-07	8.3E+00
431	0.22	2.2E-07	1.1E+01	8.6E-03	1.0E-03	1.0E-04	1.6E-01	1.4E-02	2.2E-07	7.3E+00
432	0.21	2.1E-07	1.1E+01	8.6E-03	1.0E-03	9.6E-05	1.6E-01	1.4E-02	2.1E-07	6.5E+00
433	0.19	1.9E-07	9.9E+00	8.6E-03	1.0E-03	8.9E-05	1.6E-01	1.4E-02	1.9E-07	5.8E+00
434	0.18	1.8E-07	9.2E+00	8.6E-03	1.0E-03	8.3E-05	1.6E-01	1.4E-02	1.8E-07	5.2E+00
435	0.17	1.7E-07	8.6E+00	8.6E-03	1.0E-03	7.7E-05	1.6E-01	1.4E-02	1.7E-07	4.7E+00

436	0.15	1.5E-07	8.0E+00	8.6E-03	1.0E-03	7.2E-05	1.6E-01	1.4E-02	1.5E-07	4.3E+00
437	0.05	4.7E-08	2.4E+00	8.6E-03	1.0E-03	2.2E-05	1.6E-01	1.4E-02	4.7E-08	3.2E+01
438	0.05	5.2E-08	2.7E+00	8.6E-03	1.0E-03	2.4E-05	1.6E-01	1.4E-02	5.2E-08	4.7E+01
439	0.06	5.8E-08	3.0E+00	8.6E-03	1.0E-03	2.7E-05	1.6E-01	1.4E-02	5.8E-08	7.4E+01
440	0.06	6.5E-08	3.3E+00	8.6E-03	1.0E-03	3.0E-05	1.6E-01	1.4E-02	6.5E-08	6.2E+01
441	0.07	7.4E-08	3.8E+00	8.6E-03	1.0E-03	3.4E-05	1.6E-01	1.4E-02	7.4E-08	3.0E+01
442	0.36	3.6E-07	1.9E+01	8.6E-03	1.0E-03	1.7E-04	1.6E-01	1.4E-02	3.6E-07	1.2E+01
443	0.33	3.3E-07	1.7E+01	8.6E-03	1.0E-03	1.6E-04	1.6E-01	1.4E-02	3.3E-07	1.1E+01
444	0.31	3.1E-07	1.6E+01	8.6E-03	1.0E-03	1.4E-04	1.6E-01	1.4E-02	3.1E-07	9.1E+00
445	0.28	2.8E-07	1.4E+01	8.6E-03	1.0E-03	1.3E-04	1.6E-01	1.4E-02	2.8E-07	8.0E+00
446	0.26	2.6E-07	1.3E+01	8.6E-03	1.0E-03	1.2E-04	1.6E-01	1.4E-02	2.6E-07	7.0E+00
447	0.23	2.3E-07	1.2E+01	8.6E-03	1.0E-03	1.1E-04	1.6E-01	1.4E-02	2.3E-07	6.2E+00
448	0.21	2.1E-07	1.1E+01	8.6E-03	1.0E-03	1.0E-04	1.6E-01	1.4E-02	2.1E-07	5.6E+00
449	0.20	2.0E-07	1.0E+01	8.6E-03	1.0E-03	9.2E-05	1.6E-01	1.4E-02	2.0E-07	5.0E+00
450	0.18	1.8E-07	9.4E+00	8.6E-03	1.0E-03	8.4E-05	1.6E-01	1.4E-02	1.8E-07	4.5E+00
451	0.17	1.7E-07	8.7E+00	8.6E-03	1.0E-03	7.8E-05	1.6E-01	1.4E-02	1.7E-07	4.1E+00
452	0.05	4.9E-08	2.5E+00	8.6E-03	1.0E-03	2.3E-05	1.6E-01	1.4E-02	4.9E-08	3.0E+01
453	0.06	5.5E-08	2.8E+00	8.6E-03	1.0E-03	2.6E-05	1.6E-01	1.4E-02	5.5E-08	4.5E+01
454	0.06	6.2E-08	3.2E+00	8.6E-03	1.0E-03	2.9E-05	1.6E-01	1.4E-02	6.2E-08	7.0E+01
455	0.07	7.0E-08	3.6E+00	8.6E-03	1.0E-03	3.3E-05	1.6E-01	1.4E-02	7.0E-08	1.5E+01
456	0.08	8.1E-08	4.2E+00	8.6E-03	1.0E-03	3.8E-05	1.6E-01	1.4E-02	8.1E-08	1.8E+01
457	0.47	4.7E-07	2.5E+01	8.6E-03	1.0E-03	2.2E-04	1.6E-01	1.4E-02	4.7E-07	1.2E+01
458	0.42	4.2E-07	2.2E+01	8.6E-03	1.0E-03	1.9E-04	1.6E-01	1.4E-02	4.2E-07	1.0E+01
459	0.37	3.7E-07	1.9E+01	8.6E-03	1.0E-03	1.7E-04	1.6E-01	1.4E-02	3.7E-07	8.7E+00
460	0.33	3.3E-07	1.7E+01	8.6E-03	1.0E-03	1.5E-04	1.6E-01	1.4E-02	3.3E-07	7.6E+00
461	0.29	2.9E-07	1.5E+01	8.6E-03	1.0E-03	1.4E-04	1.6E-01	1.4E-02	2.9E-07	6.7E+00
462	0.26	2.6E-07	1.4E+01	8.6E-03	1.0E-03	1.2E-04	1.6E-01	1.4E-02	2.6E-07	6.0E+00
463	0.24	2.4E-07	1.2E+01	8.6E-03	1.0E-03	1.1E-04	1.6E-01	1.4E-02	2.4E-07	5.3E+00
464	0.22	2.2E-07	1.1E+01	8.6E-03	1.0E-03	1.0E-04	1.6E-01	1.4E-02	2.2E-07	4.8E+00
465	0.20	2.0E-07	1.0E+01	8.6E-03	1.0E-03	9.2E-05	1.6E-01	1.4E-02	2.0E-07	4.3E+00
466	0.18	1.8E-07	9.4E+00	8.6E-03	1.0E-03	8.4E-05	1.6E-01	1.4E-02	1.8E-07	3.9E+00
467	0.05	5.2E-08	2.7E+00	8.6E-03	1.0E-03	2.4E-05	1.6E-01	1.4E-02	5.2E-08	2.8E+01
468	0.06	5.8E-08	3.0E+00	8.6E-03	1.0E-03	2.7E-05	1.6E-01	1.4E-02	5.8E-08	4.0E+01
469	0.07	6.6E-08	3.4E+00	8.6E-03	1.0E-03	3.1E-05	1.6E-01	1.4E-02	6.6E-08	6.1E+01
470	0.08	7.6E-08	3.9E+00	8.6E-03	1.0E-03	3.5E-05	1.6E-01	1.4E-02	7.6E-08	3.9E+01
471	0.09	8.9E-08	4.6E+00	8.6E-03	1.0E-03	4.1E-05	1.6E-01	1.4E-02	8.8E-08	5.0E+01
472	0.61	6.1E-07	3.1E+01	8.6E-03	1.0E-03	2.8E-04	1.6E-01	1.4E-02	6.1E-07	1.1E+01
473	0.51	5.1E-07	2.6E+01	8.6E-03	1.0E-03	2.3E-04	1.6E-01	1.4E-02	5.1E-07	9.3E+00
474	0.43	4.3E-07	2.2E+01	8.6E-03	1.0E-03	2.0E-04	1.6E-01	1.4E-02	4.3E-07	8.2E+00
475	0.37	3.7E-07	1.9E+01	8.6E-03	1.0E-03	1.7E-04	1.6E-01	1.4E-02	3.7E-07	7.2E+00
476	0.33	3.3E-07	1.7E+01	8.6E-03	1.0E-03	1.5E-04	1.6E-01	1.4E-02	3.3E-07	6.3E+00
477	0.29	2.9E-07	1.5E+01	8.6E-03	1.0E-03	1.4E-04	1.6E-01	1.4E-02	2.9E-07	5.7E+00
478	0.26	2.6E-07	1.4E+01	8.6E-03	1.0E-03	1.2E-04	1.6E-01	1.4E-02	2.6E-07	5.1E+00
479	0.24	2.4E-07	1.2E+01	8.6E-03	1.0E-03	1.1E-04	1.6E-01	1.4E-02	2.4E-07	4.6E+00
480	0.21	2.1E-07	1.1E+01	8.6E-03	1.0E-03	1.0E-04	1.6E-01	1.4E-02	2.1E-07	4.1E+00
481	0.19	1.9E-07	1.0E+01	8.6E-03	1.0E-03	9.0E-05	1.6E-01	1.4E-02	1.9E-07	3.7E+00
482	0.05	5.4E-08	2.8E+00	8.6E-03	1.0E-03	2.5E-05	1.6E-01	1.4E-02	5.4E-08	2.4E+01
483	0.06	6.1E-08	3.2E+00	8.6E-03	1.0E-03	2.8E-05	1.6E-01	1.4E-02	6.1E-08	3.4E+01
484	0.07	7.0E-08	3.6E+00	8.6E-03	1.0E-03	3.2E-05	1.6E-01	1.4E-02	7.0E-08	5.0E+01

485	0.08	8.1E-08	4.2E+00	8.6E-03	1.0E-03	3.8E-05	1.6E-01	1.4E-02	8.1E-08	2.6E+01
486	0.10	9.6E-08	5.0E+00	8.6E-03	1.0E-03	4.5E-05	1.6E-01	1.4E-02	9.6E-08	3.1E+01
487	0.73	7.3E-07	3.8E+01	8.6E-03	1.0E-03	3.4E-04	1.6E-01	1.4E-02	7.3E-07	9.9E+00
488	0.59	5.9E-07	3.0E+01	8.6E-03	1.0E-03	2.7E-04	1.6E-01	1.4E-02	5.9E-07	8.7E+00
489	0.49	4.9E-07	2.5E+01	8.6E-03	1.0E-03	2.3E-04	1.6E-01	1.4E-02	4.9E-07	7.6E+00
490	0.42	4.2E-07	2.2E+01	8.6E-03	1.0E-03	1.9E-04	1.6E-01	1.4E-02	4.2E-07	6.7E+00
491	0.37	3.7E-07	1.9E+01	8.6E-03	1.0E-03	1.7E-04	1.6E-01	1.4E-02	3.7E-07	6.0E+00
492	0.32	3.2E-07	1.7E+01	8.6E-03	1.0E-03	1.5E-04	1.6E-01	1.4E-02	3.2E-07	5.3E+00
493	0.29	2.9E-07	1.5E+01	8.6E-03	1.0E-03	1.3E-04	1.6E-01	1.4E-02	2.9E-07	4.8E+00
494	0.26	2.6E-07	1.3E+01	8.6E-03	1.0E-03	1.2E-04	1.6E-01	1.4E-02	2.6E-07	4.3E+00
495	0.23	2.3E-07	1.2E+01	8.6E-03	1.0E-03	1.1E-04	1.6E-01	1.4E-02	2.3E-07	3.9E+00
496	0.21	2.1E-07	1.1E+01	8.6E-03	1.0E-03	9.6E-05	1.6E-01	1.4E-02	2.1E-07	3.6E+00
497	0.06	5.6E-08	2.9E+00	8.6E-03	1.0E-03	2.6E-05	1.6E-01	1.4E-02	5.6E-08	2.0E+01
498	0.06	6.4E-08	3.3E+00	8.6E-03	1.0E-03	3.0E-05	1.6E-01	1.4E-02	6.4E-08	2.7E+01
499	0.07	7.4E-08	3.8E+00	8.6E-03	1.0E-03	3.4E-05	1.6E-01	1.4E-02	7.4E-08	3.8E+01
500	0.09	8.7E-08	4.5E+00	8.6E-03	1.0E-03	4.0E-05	1.6E-01	1.4E-02	8.7E-08	5.3E+01
501	0.10	1.0E-07	5.4E+00	8.6E-03	1.0E-03	4.8E-05	1.6E-01	1.4E-02	1.0E-07	2.0E+01
502	0.82	8.2E-07	4.2E+01	8.6E-03	1.0E-03	3.8E-04	1.6E-01	1.4E-02	8.2E-07	9.1E+00
503	0.65	6.5E-07	3.4E+01	8.6E-03	1.0E-03	3.0E-04	1.6E-01	1.4E-02	6.5E-07	8.0E+00
504	0.54	5.4E-07	2.8E+01	8.6E-03	1.0E-03	2.5E-04	1.6E-01	1.4E-02	5.4E-07	7.1E+00
505	0.46	4.6E-07	2.4E+01	8.6E-03	1.0E-03	2.2E-04	1.6E-01	1.4E-02	4.6E-07	6.3E+00
506	0.40	4.0E-07	2.1E+01	8.6E-03	1.0E-03	1.9E-04	1.6E-01	1.4E-02	4.0E-07	5.6E+00
507	0.35	3.5E-07	1.8E+01	8.6E-03	1.0E-03	1.6E-04	1.6E-01	1.4E-02	3.5E-07	5.0E+00
508	0.31	3.1E-07	1.6E+01	8.6E-03	1.0E-03	1.4E-04	1.6E-01	1.4E-02	3.1E-07	4.5E+00
509	0.28	2.8E-07	1.4E+01	8.6E-03	1.0E-03	1.3E-04	1.6E-01	1.4E-02	2.8E-07	4.1E+00
510	0.25	2.5E-07	1.3E+01	8.6E-03	1.0E-03	1.1E-04	1.6E-01	1.4E-02	2.5E-07	3.7E+00
511	0.22	2.2E-07	1.1E+01	8.6E-03	1.0E-03	1.0E-04	1.6E-01	1.4E-02	2.2E-07	3.4E+00
512	0.06	5.8E-08	3.0E+00	8.6E-03	1.0E-03	2.7E-05	1.6E-01	1.4E-02	5.8E-08	1.7E+01
513	0.07	6.7E-08	3.5E+00	8.6E-03	1.0E-03	3.1E-05	1.6E-01	1.4E-02	6.7E-08	2.2E+01
514	0.08	7.7E-08	4.0E+00	8.6E-03	1.0E-03	3.6E-05	1.6E-01	1.4E-02	7.7E-08	2.8E+01
515	0.09	9.1E-08	4.7E+00	8.6E-03	1.0E-03	4.2E-05	1.6E-01	1.4E-02	9.1E-08	3.6E+01
516	0.11	1.1E-07	5.7E+00	8.6E-03	1.0E-03	5.1E-05	1.6E-01	1.4E-02	1.1E-07	4.3E+01
517	0.89	8.9E-07	4.6E+01	8.6E-03	1.0E-03	4.1E-04	1.6E-01	1.4E-02	8.9E-07	8.3E+00
518	0.72	7.2E-07	3.7E+01	8.6E-03	1.0E-03	3.4E-04	1.6E-01	1.4E-02	7.2E-07	7.4E+00
519	0.60	6.0E-07	3.1E+01	8.6E-03	1.0E-03	2.8E-04	1.6E-01	1.4E-02	6.0E-07	6.5E+00
520	0.51	5.1E-07	2.6E+01	8.6E-03	1.0E-03	2.4E-04	1.6E-01	1.4E-02	5.1E-07	5.8E+00
521	0.44	4.4E-07	2.3E+01	8.6E-03	1.0E-03	2.0E-04	1.6E-01	1.4E-02	4.4E-07	5.2E+00
522	0.38	3.8E-07	2.0E+01	8.6E-03	1.0E-03	1.8E-04	1.6E-01	1.4E-02	3.8E-07	4.7E+00
523	0.33	3.3E-07	1.7E+01	8.6E-03	1.0E-03	1.6E-04	1.6E-01	1.4E-02	3.3E-07	4.3E+00
524	0.29	2.9E-07	1.5E+01	8.6E-03	1.0E-03	1.4E-04	1.6E-01	1.4E-02	2.9E-07	3.9E+00
525	0.26	2.6E-07	1.3E+01	8.6E-03	1.0E-03	1.2E-04	1.6E-01	1.4E-02	2.6E-07	3.5E+00
526	0.23	2.3E-07	1.2E+01	8.6E-03	1.0E-03	1.1E-04	1.6E-01	1.4E-02	2.3E-07	3.2E+00
527	0.06	6.0E-08	3.1E+00	8.6E-03	1.0E-03	2.8E-05	1.6E-01	1.4E-02	6.0E-08	1.4E+01
528	0.07	6.9E-08	3.6E+00	8.6E-03	1.0E-03	3.2E-05	1.6E-01	1.4E-02	6.9E-08	1.7E+01
529	0.08	8.1E-08	4.2E+00	8.6E-03	1.0E-03	3.7E-05	1.6E-01	1.4E-02	8.1E-08	2.1E+01
530	0.10	9.6E-08	5.0E+00	8.6E-03	1.0E-03	4.4E-05	1.6E-01	1.4E-02	9.6E-08	2.5E+01
531	0.12	1.2E-07	6.0E+00	8.6E-03	1.0E-03	5.4E-05	1.6E-01	1.4E-02	1.2E-07	2.8E+01
532	0.97	9.7E-07	5.0E+01	8.6E-03	1.0E-03	4.5E-04	1.6E-01	1.4E-02	9.7E-07	7.6E+00
533	0.79	7.9E-07	4.1E+01	8.6E-03	1.0E-03	3.7E-04	1.6E-01	1.4E-02	7.9E-07	6.8E+00

534	0.65	6.5E-07	3.4E+01	8.6E-03	1.0E-03	3.0E-04	1.6E-01	1.4E-02	6.5E-07	6.0E+00
535	0.55	5.5E-07	2.8E+01	8.6E-03	1.0E-03	2.5E-04	1.6E-01	1.4E-02	5.5E-07	5.4E+00
536	0.47	4.7E-07	2.4E+01	8.6E-03	1.0E-03	2.2E-04	1.6E-01	1.4E-02	4.7E-07	4.9E+00
537	0.40	4.0E-07	2.1E+01	8.6E-03	1.0E-03	1.9E-04	1.6E-01	1.4E-02	4.0E-07	4.4E+00
538	0.35	3.5E-07	1.8E+01	8.6E-03	1.0E-03	1.6E-04	1.6E-01	1.4E-02	3.5E-07	4.0E+00
539	0.31	3.1E-07	1.6E+01	8.6E-03	1.0E-03	1.4E-04	1.6E-01	1.4E-02	3.1E-07	3.7E+00
540	0.27	2.7E-07	1.4E+01	8.6E-03	1.0E-03	1.2E-04	1.6E-01	1.4E-02	2.7E-07	3.3E+00
541	0.23	2.3E-07	1.2E+01	8.6E-03	1.0E-03	1.1E-04	1.6E-01	1.4E-02	2.3E-07	3.0E+00
542	0.06	6.1E-08	3.2E+00	8.6E-03	1.0E-03	2.9E-05	1.6E-01	1.4E-02	6.1E-08	1.2E+01
543	0.07	7.1E-08	3.7E+00	8.6E-03	1.0E-03	3.3E-05	1.6E-01	1.4E-02	7.1E-08	1.4E+01
544	0.08	8.3E-08	4.3E+00	8.6E-03	1.0E-03	3.9E-05	1.6E-01	1.4E-02	8.3E-08	1.6E+01
545	0.10	9.9E-08	5.1E+00	8.6E-03	1.0E-03	4.6E-05	1.6E-01	1.4E-02	9.9E-08	1.8E+01
546	0.12	1.2E-07	6.3E+00	8.6E-03	1.0E-03	5.6E-05	1.6E-01	1.4E-02	1.2E-07	2.0E+01
547	1.08	1.1E-06	5.6E+01	8.6E-03	1.0E-03	5.0E-04	1.6E-01	1.4E-02	1.1E-06	6.9E+00
548	0.87	8.7E-07	4.5E+01	8.6E-03	1.0E-03	4.0E-04	1.6E-01	1.4E-02	8.7E-07	6.2E+00
549	0.71	7.1E-07	3.7E+01	8.6E-03	1.0E-03	3.3E-04	1.6E-01	1.4E-02	7.1E-07	5.5E+00
550	0.59	5.9E-07	3.1E+01	8.6E-03	1.0E-03	2.7E-04	1.6E-01	1.4E-02	5.9E-07	5.0E+00
551	0.49	4.9E-07	2.5E+01	8.6E-03	1.0E-03	2.3E-04	1.6E-01	1.4E-02	4.9E-07	4.5E+00
552	0.41	4.1E-07	2.1E+01	8.6E-03	1.0E-03	1.9E-04	1.6E-01	1.4E-02	4.1E-07	4.0E+00
553	0.36	3.6E-07	1.9E+01	8.6E-03	1.0E-03	1.7E-04	1.6E-01	1.4E-02	3.6E-07	3.7E+00
554	0.31	3.1E-07	1.6E+01	8.6E-03	1.0E-03	1.4E-04	1.6E-01	1.4E-02	3.1E-07	3.4E+00
555	0.27	2.7E-07	1.4E+01	8.6E-03	1.0E-03	1.3E-04	1.6E-01	1.4E-02	2.7E-07	3.1E+00
556	0.23	2.3E-07	1.2E+01	8.6E-03	1.0E-03	1.1E-04	1.6E-01	1.4E-02	2.3E-07	2.9E+00
557	0.06	6.2E-08	3.2E+00	8.6E-03	1.0E-03	2.9E-05	1.6E-01	1.4E-02	6.2E-08	9.6E+00
558	0.07	7.2E-08	3.7E+00	8.6E-03	1.0E-03	3.4E-05	1.6E-01	1.4E-02	7.2E-08	1.1E+01
559	0.08	8.5E-08	4.4E+00	8.6E-03	1.0E-03	3.9E-05	1.6E-01	1.4E-02	8.5E-08	1.3E+01
560	0.10	1.0E-07	5.3E+00	8.6E-03	1.0E-03	4.7E-05	1.6E-01	1.4E-02	1.0E-07	1.4E+01
561	0.12	1.2E-07	6.4E+00	8.6E-03	1.0E-03	5.8E-05	1.6E-01	1.4E-02	1.2E-07	1.5E+01
562	0.99	9.9E-07	5.1E+01	8.6E-03	1.0E-03	4.6E-04	1.6E-01	1.4E-02	9.9E-07	5.7E+00
563	0.80	8.0E-07	4.1E+01	8.6E-03	1.0E-03	3.7E-04	1.6E-01	1.4E-02	8.0E-07	5.1E+00
564	0.64	6.4E-07	3.3E+01	8.6E-03	1.0E-03	3.0E-04	1.6E-01	1.4E-02	6.4E-07	4.6E+00
565	0.49	4.9E-07	2.5E+01	8.6E-03	1.0E-03	2.3E-04	1.6E-01	1.4E-02	4.9E-07	4.1E+00
566	0.41	4.1E-07	2.1E+01	8.6E-03	1.0E-03	1.9E-04	1.6E-01	1.4E-02	4.1E-07	3.7E+00
567	0.35	3.5E-07	1.8E+01	8.6E-03	1.0E-03	1.6E-04	1.6E-01	1.4E-02	3.5E-07	3.4E+00
568	0.30	3.0E-07	1.5E+01	8.6E-03	1.0E-03	1.4E-04	1.6E-01	1.4E-02	3.0E-07	3.1E+00
569	0.26	2.6E-07	1.3E+01	8.6E-03	1.0E-03	1.2E-04	1.6E-01	1.4E-02	2.6E-07	2.9E+00
570	0.23	2.3E-07	1.2E+01	8.6E-03	1.0E-03	1.1E-04	1.6E-01	1.4E-02	2.3E-07	2.7E+00
571	0.06	6.3E-08	3.3E+00	8.6E-03	1.0E-03	2.9E-05	1.6E-01	1.4E-02	6.3E-08	8.2E+00
572	0.07	7.3E-08	3.8E+00	8.6E-03	1.0E-03	3.4E-05	1.6E-01	1.4E-02	7.3E-08	9.3E+00
573	0.09	8.6E-08	4.4E+00	8.6E-03	1.0E-03	4.0E-05	1.6E-01	1.4E-02	8.6E-08	1.0E+01
574	0.10	1.0E-07	5.4E+00	8.6E-03	1.0E-03	4.8E-05	1.6E-01	1.4E-02	1.0E-07	1.1E+01
575	0.13	1.3E-07	6.5E+00	8.6E-03	1.0E-03	5.8E-05	1.6E-01	1.4E-02	1.3E-07	1.2E+01
576	0.91	9.1E-07	4.7E+01	8.6E-03	1.0E-03	4.2E-04	1.6E-01	1.4E-02	9.1E-07	4.8E+00
577	0.73	7.3E-07	3.8E+01	8.6E-03	1.0E-03	3.4E-04	1.6E-01	1.4E-02	7.3E-07	4.3E+00
578	0.56	5.6E-07	2.9E+01	8.6E-03	1.0E-03	2.6E-04	1.6E-01	1.4E-02	5.6E-07	3.9E+00
579	0.46	4.6E-07	2.4E+01	8.6E-03	1.0E-03	2.1E-04	1.6E-01	1.4E-02	4.6E-07	3.6E+00
580	0.38	3.8E-07	2.0E+01	8.6E-03	1.0E-03	1.8E-04	1.6E-01	1.4E-02	3.8E-07	3.3E+00
581	0.31	3.1E-07	1.6E+01	8.6E-03	1.0E-03	1.4E-04	1.6E-01	1.4E-02	3.1E-07	3.0E+00
582	0.26	2.6E-07	1.3E+01	8.6E-03	1.0E-03	1.2E-04	1.6E-01	1.4E-02	2.6E-07	2.7E+00

583	0.22	2.2E-07	1.1E+01	8.6E-03	1.0E-03	1.0E-04	1.6E-01	1.4E-02	2.2E-07	2.5E+00
584	0.06	6.3E-08	3.3E+00	8.6E-03	1.0E-03	2.9E-05	1.6E-01	1.4E-02	6.3E-08	7.0E+00
585	0.07	7.3E-08	3.8E+00	8.6E-03	1.0E-03	3.4E-05	1.6E-01	1.4E-02	7.3E-08	7.8E+00
586	0.09	8.6E-08	4.5E+00	8.6E-03	1.0E-03	4.0E-05	1.6E-01	1.4E-02	8.6E-08	8.5E+00
587	0.10	1.0E-07	5.4E+00	8.6E-03	1.0E-03	4.8E-05	1.6E-01	1.4E-02	1.0E-07	9.1E+00
588	0.13	1.3E-07	6.5E+00	8.6E-03	1.0E-03	5.9E-05	1.6E-01	1.4E-02	1.3E-07	9.7E+00
589	0.86	8.6E-07	4.4E+01	8.6E-03	1.0E-03	4.0E-04	1.6E-01	1.4E-02	8.6E-07	4.1E+00
590	0.68	6.8E-07	3.5E+01	8.6E-03	1.0E-03	3.2E-04	1.6E-01	1.4E-02	6.8E-07	3.8E+00
591	0.54	5.4E-07	2.8E+01	8.6E-03	1.0E-03	2.5E-04	1.6E-01	1.4E-02	5.4E-07	3.5E+00
592	0.42	4.2E-07	2.2E+01	8.6E-03	1.0E-03	2.0E-04	1.6E-01	1.4E-02	4.2E-07	3.2E+00
593	0.34	3.4E-07	1.8E+01	8.6E-03	1.0E-03	1.6E-04	1.6E-01	1.4E-02	3.4E-07	2.9E+00
594	0.28	2.8E-07	1.4E+01	8.6E-03	1.0E-03	1.3E-04	1.6E-01	1.4E-02	2.8E-07	2.7E+00
595	0.23	2.3E-07	1.2E+01	8.6E-03	1.0E-03	1.1E-04	1.6E-01	1.4E-02	2.3E-07	2.4E+00
596	0.06	6.2E-08	3.2E+00	8.6E-03	1.0E-03	2.9E-05	1.6E-01	1.4E-02	6.2E-08	6.0E+00
597	0.07	7.3E-08	3.8E+00	8.6E-03	1.0E-03	3.4E-05	1.6E-01	1.4E-02	7.3E-08	6.6E+00
598	0.09	8.5E-08	4.4E+00	8.6E-03	1.0E-03	4.0E-05	1.6E-01	1.4E-02	8.5E-08	7.1E+00
599	0.10	1.0E-07	5.3E+00	8.6E-03	1.0E-03	4.7E-05	1.6E-01	1.4E-02	1.0E-07	7.6E+00
600	0.12	1.2E-07	6.4E+00	8.6E-03	1.0E-03	5.8E-05	1.6E-01	1.4E-02	1.2E-07	8.0E+00
601	0.73	7.3E-07	3.8E+01	8.6E-03	1.0E-03	3.4E-04	1.6E-01	1.4E-02	7.3E-07	3.5E+00
602	0.56	5.6E-07	2.9E+01	8.6E-03	1.0E-03	2.6E-04	1.6E-01	1.4E-02	5.6E-07	3.3E+00
603	0.43	4.3E-07	2.2E+01	8.6E-03	1.0E-03	2.0E-04	1.6E-01	1.4E-02	4.3E-07	3.0E+00
604	0.34	3.4E-07	1.8E+01	8.6E-03	1.0E-03	1.6E-04	1.6E-01	1.4E-02	3.4E-07	2.8E+00
605	0.28	2.8E-07	1.5E+01	8.6E-03	1.0E-03	1.3E-04	1.6E-01	1.4E-02	2.8E-07	2.6E+00
606	0.23	2.3E-07	1.2E+01	8.6E-03	1.0E-03	1.1E-04	1.6E-01	1.4E-02	2.3E-07	2.4E+00
607	0.06	6.1E-08	3.2E+00	8.6E-03	1.0E-03	2.9E-05	1.6E-01	1.4E-02	6.1E-08	5.2E+00
608	0.07	7.2E-08	3.7E+00	8.6E-03	1.0E-03	3.3E-05	1.6E-01	1.4E-02	7.2E-08	5.7E+00
609	0.08	8.4E-08	4.3E+00	8.6E-03	1.0E-03	3.9E-05	1.6E-01	1.4E-02	8.4E-08	6.1E+00
610	0.10	1.0E-07	5.2E+00	8.6E-03	1.0E-03	4.6E-05	1.6E-01	1.4E-02	1.0E-07	6.5E+00
611	0.12	1.2E-07	6.2E+00	8.6E-03	1.0E-03	5.6E-05	1.6E-01	1.4E-02	1.2E-07	6.8E+00
612	0.74	7.4E-07	3.8E+01	8.6E-03	1.0E-03	3.4E-04	1.6E-01	1.4E-02	7.4E-07	3.3E+00
613	0.55	5.5E-07	2.8E+01	8.6E-03	1.0E-03	2.6E-04	1.6E-01	1.4E-02	5.5E-07	3.1E+00
614	0.42	4.2E-07	2.2E+01	8.6E-03	1.0E-03	1.9E-04	1.6E-01	1.4E-02	4.2E-07	2.9E+00
615	0.33	3.3E-07	1.7E+01	8.6E-03	1.0E-03	1.5E-04	1.6E-01	1.4E-02	3.3E-07	2.7E+00
616	0.27	2.7E-07	1.4E+01	8.6E-03	1.0E-03	1.3E-04	1.6E-01	1.4E-02	2.7E-07	2.5E+00
617	0.22	2.2E-07	1.1E+01	8.6E-03	1.0E-03	1.0E-04	1.6E-01	1.4E-02	2.2E-07	2.3E+00
618	0.06	6.0E-08	3.1E+00	8.6E-03	1.0E-03	2.8E-05	1.6E-01	1.4E-02	6.0E-08	4.6E+00
619	0.07	6.9E-08	3.6E+00	8.6E-03	1.0E-03	3.2E-05	1.6E-01	1.4E-02	6.9E-08	4.9E+00
620	0.08	8.1E-08	4.2E+00	8.6E-03	1.0E-03	3.8E-05	1.6E-01	1.4E-02	8.1E-08	5.3E+00
621	0.10	9.6E-08	5.0E+00	8.6E-03	1.0E-03	4.5E-05	1.6E-01	1.4E-02	9.6E-08	5.6E+00
622	0.12	1.2E-07	6.0E+00	8.6E-03	1.0E-03	5.4E-05	1.6E-01	1.4E-02	1.2E-07	5.8E+00
623	0.70	7.0E-07	3.6E+01	8.6E-03	1.0E-03	3.2E-04	1.6E-01	1.4E-02	7.0E-07	3.1E+00
624	0.51	5.1E-07	2.6E+01	8.6E-03	1.0E-03	2.4E-04	1.6E-01	1.4E-02	5.1E-07	2.9E+00
625	0.39	3.9E-07	2.0E+01	8.6E-03	1.0E-03	1.8E-04	1.6E-01	1.4E-02	3.9E-07	2.7E+00
626	0.31	3.1E-07	1.6E+01	8.6E-03	1.0E-03	1.4E-04	1.6E-01	1.4E-02	3.1E-07	2.5E+00
627	0.26	2.6E-07	1.3E+01	8.6E-03	1.0E-03	1.2E-04	1.6E-01	1.4E-02	2.6E-07	2.4E+00
628	0.21	2.1E-07	1.1E+01	8.6E-03	1.0E-03	9.8E-05	1.6E-01	1.4E-02	2.1E-07	2.2E+00
629	0.06	5.8E-08	3.0E+00	8.6E-03	1.0E-03	2.7E-05	1.6E-01	1.4E-02	5.8E-08	4.1E+00
630	0.07	6.7E-08	3.5E+00	8.6E-03	1.0E-03	3.1E-05	1.6E-01	1.4E-02	6.7E-08	4.3E+00
631	0.08	7.8E-08	4.0E+00	8.6E-03	1.0E-03	3.6E-05	1.6E-01	1.4E-02	7.8E-08	4.6E+00

632	0.09	9.2E-08	4.7E+00	8.6E-03	1.0E-03	4.3E-05	1.6E-01	1.4E-02	9.2E-08	4.8E+00
633	0.11	1.1E-07	5.7E+00	8.6E-03	1.0E-03	5.1E-05	1.6E-01	1.4E-02	1.1E-07	5.0E+00
634	0.60	6.0E-07	3.1E+01	8.6E-03	1.0E-03	2.8E-04	1.6E-01	1.4E-02	6.0E-07	3.0E+00
635	0.45	4.5E-07	2.3E+01	8.6E-03	1.0E-03	2.1E-04	1.6E-01	1.4E-02	4.5E-07	2.8E+00
636	0.35	3.5E-07	1.8E+01	8.6E-03	1.0E-03	1.6E-04	1.6E-01	1.4E-02	3.5E-07	2.6E+00
637	0.28	2.8E-07	1.5E+01	8.6E-03	1.0E-03	1.3E-04	1.6E-01	1.4E-02	2.8E-07	2.4E+00
638	0.24	2.4E-07	1.2E+01	8.6E-03	1.0E-03	1.1E-04	1.6E-01	1.4E-02	2.4E-07	2.3E+00
639	0.20	2.0E-07	1.0E+01	8.6E-03	1.0E-03	9.2E-05	1.6E-01	1.4E-02	2.0E-07	2.1E+00
640	0.06	5.6E-08	2.9E+00	8.6E-03	1.0E-03	2.6E-05	1.6E-01	1.4E-02	5.6E-08	3.6E+00
641	0.06	6.4E-08	3.3E+00	8.6E-03	1.0E-03	3.0E-05	1.6E-01	1.4E-02	6.4E-08	3.8E+00
642	0.07	7.5E-08	3.9E+00	8.6E-03	1.0E-03	3.5E-05	1.6E-01	1.4E-02	7.4E-08	4.1E+00
643	0.09	8.7E-08	4.5E+00	8.6E-03	1.0E-03	4.1E-05	1.6E-01	1.4E-02	8.7E-08	4.3E+00
644	0.10	1.0E-07	5.4E+00	8.6E-03	1.0E-03	4.8E-05	1.6E-01	1.4E-02	1.0E-07	4.4E+00
645	0.48	4.8E-07	2.5E+01	8.6E-03	1.0E-03	2.2E-04	1.6E-01	1.4E-02	4.8E-07	2.8E+00
646	0.38	3.8E-07	2.0E+01	8.6E-03	1.0E-03	1.8E-04	1.6E-01	1.4E-02	3.8E-07	2.6E+00
647	0.31	3.1E-07	1.6E+01	8.6E-03	1.0E-03	1.4E-04	1.6E-01	1.4E-02	3.1E-07	2.5E+00
648	0.25	2.5E-07	1.3E+01	8.6E-03	1.0E-03	1.2E-04	1.6E-01	1.4E-02	2.5E-07	2.3E+00
649	0.21	2.1E-07	1.1E+01	8.6E-03	1.0E-03	9.9E-05	1.6E-01	1.4E-02	2.1E-07	2.2E+00
650	0.18	1.8E-07	9.4E+00	8.6E-03	1.0E-03	8.4E-05	1.6E-01	1.4E-02	1.8E-07	2.0E+00
651	0.05	5.4E-08	2.8E+00	8.6E-03	1.0E-03	2.5E-05	1.6E-01	1.4E-02	5.4E-08	3.2E+00
652	0.06	6.2E-08	3.2E+00	8.6E-03	1.0E-03	2.9E-05	1.6E-01	1.4E-02	6.2E-08	3.4E+00
653	0.07	7.1E-08	3.7E+00	8.6E-03	1.0E-03	3.3E-05	1.6E-01	1.4E-02	7.1E-08	3.6E+00
654	0.08	8.3E-08	4.3E+00	8.6E-03	1.0E-03	3.8E-05	1.6E-01	1.4E-02	8.3E-08	3.8E+00
655	0.10	9.8E-08	5.1E+00	8.6E-03	1.0E-03	4.5E-05	1.6E-01	1.4E-02	9.8E-08	3.9E+00
656	0.12	1.2E-07	6.0E+00	8.6E-03	1.0E-03	5.4E-05	1.6E-01	1.4E-02	1.2E-07	4.0E+00
657	0.14	1.4E-07	7.3E+00	8.6E-03	1.0E-03	6.6E-05	1.6E-01	1.4E-02	1.4E-07	4.1E+00
658	0.18	1.8E-07	9.1E+00	8.6E-03	1.0E-03	8.2E-05	1.6E-01	1.4E-02	1.8E-07	4.1E+00
659	0.22	2.2E-07	1.2E+01	8.6E-03	1.0E-03	1.0E-04	1.6E-01	1.4E-02	2.2E-07	4.1E+00
660	0.29	2.9E-07	1.5E+01	8.6E-03	1.0E-03	1.3E-04	1.6E-01	1.4E-02	2.9E-07	4.1E+00
661	0.38	3.8E-07	1.9E+01	8.6E-03	1.0E-03	1.7E-04	1.6E-01	1.4E-02	3.8E-07	4.0E+00
662	0.47	4.7E-07	2.4E+01	8.6E-03	1.0E-03	2.2E-04	1.6E-01	1.4E-02	4.7E-07	3.9E+00
663	0.56	5.6E-07	2.9E+01	8.6E-03	1.0E-03	2.6E-04	1.6E-01	1.4E-02	5.6E-07	3.8E+00
664	0.62	6.2E-07	3.2E+01	8.6E-03	1.0E-03	2.9E-04	1.6E-01	1.4E-02	6.2E-07	3.7E+00
665	0.66	6.6E-07	3.4E+01	8.6E-03	1.0E-03	3.1E-04	1.6E-01	1.4E-02	6.6E-07	3.6E+00
666	0.67	6.7E-07	3.5E+01	8.6E-03	1.0E-03	3.1E-04	1.6E-01	1.4E-02	6.7E-07	3.4E+00
667	0.66	6.6E-07	3.4E+01	8.6E-03	1.0E-03	3.1E-04	1.6E-01	1.4E-02	6.6E-07	3.3E+00
668	0.62	6.2E-07	3.2E+01	8.6E-03	1.0E-03	2.9E-04	1.6E-01	1.4E-02	6.2E-07	3.1E+00
669	0.55	5.5E-07	2.9E+01	8.6E-03	1.0E-03	2.6E-04	1.6E-01	1.4E-02	5.5E-07	2.9E+00
670	0.46	4.6E-07	2.4E+01	8.6E-03	1.0E-03	2.2E-04	1.6E-01	1.4E-02	4.6E-07	2.8E+00
671	0.38	3.8E-07	2.0E+01	8.6E-03	1.0E-03	1.8E-04	1.6E-01	1.4E-02	3.8E-07	2.6E+00
672	0.32	3.2E-07	1.6E+01	8.6E-03	1.0E-03	1.5E-04	1.6E-01	1.4E-02	3.2E-07	2.5E+00
673	0.27	2.7E-07	1.4E+01	8.6E-03	1.0E-03	1.2E-04	1.6E-01	1.4E-02	2.7E-07	2.3E+00
674	0.22	2.2E-07	1.2E+01	8.6E-03	1.0E-03	1.0E-04	1.6E-01	1.4E-02	2.2E-07	2.2E+00
675	0.19	1.9E-07	9.9E+00	8.6E-03	1.0E-03	8.9E-05	1.6E-01	1.4E-02	1.9E-07	2.1E+00
676	0.17	1.7E-07	8.6E+00	8.6E-03	1.0E-03	7.7E-05	1.6E-01	1.4E-02	1.7E-07	1.9E+00
677	0.05	5.1E-08	2.7E+00	8.6E-03	1.0E-03	2.4E-05	1.6E-01	1.4E-02	5.1E-08	2.9E+00
678	0.06	5.8E-08	3.0E+00	8.6E-03	1.0E-03	2.7E-05	1.6E-01	1.4E-02	5.8E-08	3.1E+00
679	0.07	6.7E-08	3.5E+00	8.6E-03	1.0E-03	3.1E-05	1.6E-01	1.4E-02	6.7E-08	3.2E+00
680	0.08	7.7E-08	4.0E+00	8.6E-03	1.0E-03	3.6E-05	1.6E-01	1.4E-02	7.7E-08	3.4E+00

681	0.09	9.0E-08	4.7E+00	8.6E-03	1.0E-03	4.2E-05	1.6E-01	1.4E-02	9.0E-08	3.5E+00
682	0.11	1.1E-07	5.5E+00	8.6E-03	1.0E-03	4.9E-05	1.6E-01	1.4E-02	1.1E-07	3.6E+00
683	0.13	1.3E-07	6.5E+00	8.6E-03	1.0E-03	5.9E-05	1.6E-01	1.4E-02	1.3E-07	3.7E+00
684	0.15	1.5E-07	8.0E+00	8.6E-03	1.0E-03	7.2E-05	1.6E-01	1.4E-02	1.5E-07	3.7E+00
685	0.19	1.9E-07	9.8E+00	8.6E-03	1.0E-03	8.8E-05	1.6E-01	1.4E-02	1.9E-07	3.7E+00
686	0.23	2.3E-07	1.2E+01	8.6E-03	1.0E-03	1.1E-04	1.6E-01	1.4E-02	2.3E-07	3.7E+00
687	0.29	2.9E-07	1.5E+01	8.6E-03	1.0E-03	1.3E-04	1.6E-01	1.4E-02	2.9E-07	3.6E+00
688	0.35	3.5E-07	1.8E+01	8.6E-03	1.0E-03	1.6E-04	1.6E-01	1.4E-02	3.5E-07	3.6E+00
689	0.40	4.0E-07	2.1E+01	8.6E-03	1.0E-03	1.9E-04	1.6E-01	1.4E-02	4.0E-07	3.5E+00
690	0.44	4.4E-07	2.3E+01	8.6E-03	1.0E-03	2.0E-04	1.6E-01	1.4E-02	4.4E-07	3.4E+00
691	0.46	4.6E-07	2.4E+01	8.6E-03	1.0E-03	2.2E-04	1.6E-01	1.4E-02	4.6E-07	3.3E+00
692	0.47	4.7E-07	2.5E+01	8.6E-03	1.0E-03	2.2E-04	1.6E-01	1.4E-02	4.7E-07	3.1E+00
693	0.47	4.7E-07	2.4E+01	8.6E-03	1.0E-03	2.2E-04	1.6E-01	1.4E-02	4.7E-07	3.0E+00
694	0.44	4.4E-07	2.3E+01	8.6E-03	1.0E-03	2.1E-04	1.6E-01	1.4E-02	4.4E-07	2.9E+00
695	0.41	4.1E-07	2.1E+01	8.6E-03	1.0E-03	1.9E-04	1.6E-01	1.4E-02	4.1E-07	2.7E+00
696	0.36	3.6E-07	1.9E+01	8.6E-03	1.0E-03	1.7E-04	1.6E-01	1.4E-02	3.6E-07	2.6E+00
697	0.31	3.1E-07	1.6E+01	8.6E-03	1.0E-03	1.4E-04	1.6E-01	1.4E-02	3.1E-07	2.5E+00
698	0.27	2.7E-07	1.4E+01	8.6E-03	1.0E-03	1.2E-04	1.6E-01	1.4E-02	2.7E-07	2.3E+00
699	0.23	2.3E-07	1.2E+01	8.6E-03	1.0E-03	1.1E-04	1.6E-01	1.4E-02	2.3E-07	2.2E+00
700	0.20	2.0E-07	1.0E+01	8.6E-03	1.0E-03	9.2E-05	1.6E-01	1.4E-02	2.0E-07	2.1E+00
701	0.17	1.7E-07	8.9E+00	8.6E-03	1.0E-03	8.0E-05	1.6E-01	1.4E-02	1.7E-07	2.0E+00
702	0.15	1.5E-07	7.8E+00	8.6E-03	1.0E-03	7.0E-05	1.6E-01	1.4E-02	1.5E-07	1.9E+00
703	0.05	4.9E-08	2.5E+00	8.6E-03	1.0E-03	2.3E-05	1.6E-01	1.4E-02	4.9E-08	2.7E+00
704	0.06	5.5E-08	2.9E+00	8.6E-03	1.0E-03	2.6E-05	1.6E-01	1.4E-02	5.5E-08	2.8E+00
705	0.06	6.2E-08	3.2E+00	8.6E-03	1.0E-03	2.9E-05	1.6E-01	1.4E-02	6.2E-08	2.9E+00
706	0.07	7.1E-08	3.7E+00	8.6E-03	1.0E-03	3.3E-05	1.6E-01	1.4E-02	7.1E-08	3.0E+00
707	0.08	8.3E-08	4.3E+00	8.6E-03	1.0E-03	3.8E-05	1.6E-01	1.4E-02	8.3E-08	3.1E+00
708	0.10	9.7E-08	5.0E+00	8.6E-03	1.0E-03	4.5E-05	1.6E-01	1.4E-02	9.7E-08	3.2E+00
709	0.11	1.1E-07	5.9E+00	8.6E-03	1.0E-03	5.3E-05	1.6E-01	1.4E-02	1.1E-07	3.3E+00
710	0.14	1.4E-07	7.1E+00	8.6E-03	1.0E-03	6.3E-05	1.6E-01	1.4E-02	1.4E-07	3.3E+00
711	0.16	1.6E-07	8.4E+00	8.6E-03	1.0E-03	7.5E-05	1.6E-01	1.4E-02	1.6E-07	3.3E+00
712	0.19	1.9E-07	1.0E+01	8.6E-03	1.0E-03	9.0E-05	1.6E-01	1.4E-02	1.9E-07	3.3E+00
713	0.23	2.3E-07	1.2E+01	8.6E-03	1.0E-03	1.1E-04	1.6E-01	1.4E-02	2.3E-07	3.3E+00
714	0.27	2.7E-07	1.4E+01	8.6E-03	1.0E-03	1.2E-04	1.6E-01	1.4E-02	2.7E-07	3.3E+00
715	0.30	3.0E-07	1.6E+01	8.6E-03	1.0E-03	1.4E-04	1.6E-01	1.4E-02	3.0E-07	3.2E+00
716	0.33	3.3E-07	1.7E+01	8.6E-03	1.0E-03	1.5E-04	1.6E-01	1.4E-02	3.3E-07	3.1E+00
717	0.34	3.4E-07	1.8E+01	8.6E-03	1.0E-03	1.6E-04	1.6E-01	1.4E-02	3.4E-07	3.0E+00
718	0.35	3.5E-07	1.8E+01	8.6E-03	1.0E-03	1.6E-04	1.6E-01	1.4E-02	3.5E-07	2.9E+00
719	0.35	3.5E-07	1.8E+01	8.6E-03	1.0E-03	1.6E-04	1.6E-01	1.4E-02	3.5E-07	2.8E+00
720	0.34	3.4E-07	1.7E+01	8.6E-03	1.0E-03	1.6E-04	1.6E-01	1.4E-02	3.4E-07	2.7E+00
721	0.31	3.1E-07	1.6E+01	8.6E-03	1.0E-03	1.5E-04	1.6E-01	1.4E-02	3.1E-07	2.6E+00
722	0.28	2.8E-07	1.5E+01	8.6E-03	1.0E-03	1.3E-04	1.6E-01	1.4E-02	2.8E-07	2.4E+00
723	0.25	2.5E-07	1.3E+01	8.6E-03	1.0E-03	1.2E-04	1.6E-01	1.4E-02	2.5E-07	2.3E+00
724	0.22	2.2E-07	1.2E+01	8.6E-03	1.0E-03	1.0E-04	1.6E-01	1.4E-02	2.2E-07	2.2E+00
725	0.20	2.0E-07	1.0E+01	8.6E-03	1.0E-03	9.2E-05	1.6E-01	1.4E-02	2.0E-07	2.1E+00
726	0.17	1.7E-07	9.0E+00	8.6E-03	1.0E-03	8.1E-05	1.6E-01	1.4E-02	1.7E-07	2.0E+00
727	0.15	1.5E-07	7.9E+00	8.6E-03	1.0E-03	7.1E-05	1.6E-01	1.4E-02	1.5E-07	1.9E+00
728	0.14	1.4E-07	7.0E+00	8.6E-03	1.0E-03	6.3E-05	1.6E-01	1.4E-02	1.4E-07	1.8E+00
729	0.05	4.6E-08	2.4E+00	8.6E-03	1.0E-03	2.1E-05	1.6E-01	1.4E-02	4.6E-08	2.4E+00

730	0.05	5.2E-08	2.7E+00	8.6E-03	1.0E-03	2.4E-05	1.6E-01	1.4E-02	5.2E-08	2.5E+00
731	0.06	5.9E-08	3.0E+00	8.6E-03	1.0E-03	2.7E-05	1.6E-01	1.4E-02	5.9E-08	2.6E+00
732	0.07	6.7E-08	3.5E+00	8.6E-03	1.0E-03	3.1E-05	1.6E-01	1.4E-02	6.7E-08	2.7E+00
733	0.08	7.6E-08	3.9E+00	8.6E-03	1.0E-03	3.5E-05	1.6E-01	1.4E-02	7.6E-08	2.8E+00
734	0.09	8.8E-08	4.6E+00	8.6E-03	1.0E-03	4.1E-05	1.6E-01	1.4E-02	8.8E-08	2.9E+00
735	0.10	1.0E-07	5.3E+00	8.6E-03	1.0E-03	4.7E-05	1.6E-01	1.4E-02	1.0E-07	3.0E+00
736	0.12	1.2E-07	6.2E+00	8.6E-03	1.0E-03	5.6E-05	1.6E-01	1.4E-02	1.2E-07	3.0E+00
737	0.14	1.4E-07	7.2E+00	8.6E-03	1.0E-03	6.5E-05	1.6E-01	1.4E-02	1.4E-07	3.0E+00
738	0.16	1.6E-07	8.4E+00	8.6E-03	1.0E-03	7.5E-05	1.6E-01	1.4E-02	1.6E-07	3.0E+00
739	0.19	1.9E-07	9.6E+00	8.6E-03	1.0E-03	8.7E-05	1.6E-01	1.4E-02	1.9E-07	3.0E+00
740	0.21	2.1E-07	1.1E+01	8.6E-03	1.0E-03	9.8E-05	1.6E-01	1.4E-02	2.1E-07	3.0E+00
741	0.24	2.4E-07	1.2E+01	8.6E-03	1.0E-03	1.1E-04	1.6E-01	1.4E-02	2.4E-07	2.9E+00
742	0.25	2.5E-07	1.3E+01	8.6E-03	1.0E-03	1.2E-04	1.6E-01	1.4E-02	2.5E-07	2.9E+00
743	0.27	2.7E-07	1.4E+01	8.6E-03	1.0E-03	1.2E-04	1.6E-01	1.4E-02	2.7E-07	2.8E+00
744	0.27	2.7E-07	1.4E+01	8.6E-03	1.0E-03	1.3E-04	1.6E-01	1.4E-02	2.7E-07	2.7E+00
745	0.27	2.7E-07	1.4E+01	8.6E-03	1.0E-03	1.3E-04	1.6E-01	1.4E-02	2.7E-07	2.6E+00
746	0.27	2.7E-07	1.4E+01	8.6E-03	1.0E-03	1.2E-04	1.6E-01	1.4E-02	2.7E-07	2.5E+00
747	0.25	2.5E-07	1.3E+01	8.6E-03	1.0E-03	1.2E-04	1.6E-01	1.4E-02	2.5E-07	2.4E+00
748	0.23	2.3E-07	1.2E+01	8.6E-03	1.0E-03	1.1E-04	1.6E-01	1.4E-02	2.3E-07	2.3E+00
749	0.21	2.1E-07	1.1E+01	8.6E-03	1.0E-03	9.8E-05	1.6E-01	1.4E-02	2.1E-07	2.2E+00
750	0.19	1.9E-07	9.9E+00	8.6E-03	1.0E-03	8.9E-05	1.6E-01	1.4E-02	1.9E-07	2.1E+00
751	0.17	1.7E-07	8.9E+00	8.6E-03	1.0E-03	8.0E-05	1.6E-01	1.4E-02	1.7E-07	2.0E+00
752	0.15	1.5E-07	7.9E+00	8.6E-03	1.0E-03	7.1E-05	1.6E-01	1.4E-02	1.5E-07	1.9E+00
753	0.14	1.4E-07	7.1E+00	8.6E-03	1.0E-03	6.4E-05	1.6E-01	1.4E-02	1.4E-07	1.8E+00
754	0.12	1.2E-07	6.4E+00	8.6E-03	1.0E-03	5.7E-05	1.6E-01	1.4E-02	1.2E-07	1.7E+00
755	0.04	4.4E-08	2.3E+00	8.6E-03	1.0E-03	2.0E-05	1.6E-01	1.4E-02	4.4E-08	2.2E+00
756	0.05	4.9E-08	2.5E+00	8.6E-03	1.0E-03	2.3E-05	1.6E-01	1.4E-02	4.9E-08	2.3E+00
757	0.05	5.5E-08	2.8E+00	8.6E-03	1.0E-03	2.5E-05	1.6E-01	1.4E-02	5.5E-08	2.4E+00
758	0.06	6.1E-08	3.2E+00	8.6E-03	1.0E-03	2.9E-05	1.6E-01	1.4E-02	6.1E-08	2.5E+00
759	0.07	7.0E-08	3.6E+00	8.6E-03	1.0E-03	3.3E-05	1.6E-01	1.4E-02	7.0E-08	2.6E+00
760	0.08	8.0E-08	4.1E+00	8.6E-03	1.0E-03	3.7E-05	1.6E-01	1.4E-02	8.0E-08	2.6E+00
761	0.09	9.2E-08	4.7E+00	8.6E-03	1.0E-03	4.3E-05	1.6E-01	1.4E-02	9.2E-08	2.7E+00
762	0.11	1.1E-07	5.5E+00	8.6E-03	1.0E-03	4.9E-05	1.6E-01	1.4E-02	1.1E-07	2.7E+00
763	0.12	1.2E-07	6.2E+00	8.6E-03	1.0E-03	5.6E-05	1.6E-01	1.4E-02	1.2E-07	2.8E+00
764	0.14	1.4E-07	7.1E+00	8.6E-03	1.0E-03	6.4E-05	1.6E-01	1.4E-02	1.4E-07	2.8E+00
765	0.15	1.5E-07	8.0E+00	8.6E-03	1.0E-03	7.2E-05	1.6E-01	1.4E-02	1.5E-07	2.7E+00
766	0.17	1.7E-07	8.9E+00	8.6E-03	1.0E-03	8.0E-05	1.6E-01	1.4E-02	1.7E-07	2.7E+00
767	0.19	1.9E-07	9.8E+00	8.6E-03	1.0E-03	8.8E-05	1.6E-01	1.4E-02	1.9E-07	2.7E+00
768	0.20	2.0E-07	1.0E+01	8.6E-03	1.0E-03	9.4E-05	1.6E-01	1.4E-02	2.0E-07	2.6E+00
769	0.21	2.1E-07	1.1E+01	8.6E-03	1.0E-03	9.9E-05	1.6E-01	1.4E-02	2.1E-07	2.6E+00
770	0.22	2.2E-07	1.1E+01	8.6E-03	1.0E-03	1.0E-04	1.6E-01	1.4E-02	2.2E-07	2.5E+00
771	0.22	2.2E-07	1.1E+01	8.6E-03	1.0E-03	1.0E-04	1.6E-01	1.4E-02	2.2E-07	2.4E+00
772	0.22	2.2E-07	1.1E+01	8.6E-03	1.0E-03	1.0E-04	1.6E-01	1.4E-02	2.2E-07	2.3E+00
773	0.21	2.1E-07	1.1E+01	8.6E-03	1.0E-03	9.7E-05	1.6E-01	1.4E-02	2.1E-07	2.2E+00
774	0.19	1.9E-07	1.0E+01	8.6E-03	1.0E-03	9.0E-05	1.6E-01	1.4E-02	1.9E-07	2.2E+00
775	0.18	1.8E-07	9.3E+00	8.6E-03	1.0E-03	8.3E-05	1.6E-01	1.4E-02	1.8E-07	2.1E+00
776	0.16	1.6E-07	8.5E+00	8.6E-03	1.0E-03	7.7E-05	1.6E-01	1.4E-02	1.6E-07	2.0E+00
777	0.15	1.5E-07	7.8E+00	8.6E-03	1.0E-03	7.0E-05	1.6E-01	1.4E-02	1.5E-07	1.9E+00
778	0.14	1.4E-07	7.1E+00	8.6E-03	1.0E-03	6.3E-05	1.6E-01	1.4E-02	1.4E-07	1.8E+00

779	0.12	1.2E-07	6.4E+00	8.6E-03	1.0E-03	5.7E-05	1.6E-01	1.4E-02	1.2E-07	1.7E+00
780	0.11	1.1E-07	5.8E+00	8.6E-03	1.0E-03	5.2E-05	1.6E-01	1.4E-02	1.1E-07	1.6E+00
781	0.04	4.1E-08	2.1E+00	8.6E-03	1.0E-03	1.9E-05	1.6E-01	1.4E-02	4.1E-08	2.0E+00
782	0.05	4.6E-08	2.4E+00	8.6E-03	1.0E-03	2.1E-05	1.6E-01	1.4E-02	4.6E-08	2.1E+00
783	0.05	5.1E-08	2.6E+00	8.6E-03	1.0E-03	2.4E-05	1.6E-01	1.4E-02	5.1E-08	2.2E+00
784	0.06	5.7E-08	3.0E+00	8.6E-03	1.0E-03	2.7E-05	1.6E-01	1.4E-02	5.7E-08	2.3E+00
785	0.06	6.4E-08	3.3E+00	8.6E-03	1.0E-03	3.0E-05	1.6E-01	1.4E-02	6.4E-08	2.4E+00
786	0.07	7.3E-08	3.8E+00	8.6E-03	1.0E-03	3.4E-05	1.6E-01	1.4E-02	7.3E-08	2.4E+00
787	0.08	8.2E-08	4.3E+00	8.6E-03	1.0E-03	3.8E-05	1.6E-01	1.4E-02	8.2E-08	2.5E+00
788	0.09	9.3E-08	4.8E+00	8.6E-03	1.0E-03	4.3E-05	1.6E-01	1.4E-02	9.3E-08	2.5E+00
789	0.10	1.0E-07	5.4E+00	8.6E-03	1.0E-03	4.9E-05	1.6E-01	1.4E-02	1.0E-07	2.5E+00
790	0.12	1.2E-07	6.1E+00	8.6E-03	1.0E-03	5.5E-05	1.6E-01	1.4E-02	1.2E-07	2.5E+00
791	0.13	1.3E-07	6.8E+00	8.6E-03	1.0E-03	6.1E-05	1.6E-01	1.4E-02	1.3E-07	2.5E+00
792	0.14	1.4E-07	7.5E+00	8.6E-03	1.0E-03	6.7E-05	1.6E-01	1.4E-02	1.4E-07	2.5E+00
793	0.16	1.6E-07	8.1E+00	8.6E-03	1.0E-03	7.3E-05	1.6E-01	1.4E-02	1.6E-07	2.5E+00
794	0.17	1.7E-07	8.6E+00	8.6E-03	1.0E-03	7.7E-05	1.6E-01	1.4E-02	1.7E-07	2.4E+00
795	0.17	1.7E-07	9.0E+00	8.6E-03	1.0E-03	8.1E-05	1.6E-01	1.4E-02	1.7E-07	2.4E+00
796	0.18	1.8E-07	9.3E+00	8.6E-03	1.0E-03	8.3E-05	1.6E-01	1.4E-02	1.8E-07	2.3E+00
797	0.18	1.8E-07	9.4E+00	8.6E-03	1.0E-03	8.5E-05	1.6E-01	1.4E-02	1.8E-07	2.3E+00
798	0.18	1.8E-07	9.3E+00	8.6E-03	1.0E-03	8.4E-05	1.6E-01	1.4E-02	1.8E-07	2.2E+00
799	0.17	1.7E-07	9.0E+00	8.6E-03	1.0E-03	8.1E-05	1.6E-01	1.4E-02	1.7E-07	2.1E+00
800	0.16	1.6E-07	8.5E+00	8.6E-03	1.0E-03	7.6E-05	1.6E-01	1.4E-02	1.6E-07	2.0E+00
801	0.15	1.5E-07	8.0E+00	8.6E-03	1.0E-03	7.1E-05	1.6E-01	1.4E-02	1.5E-07	1.9E+00
802	0.14	1.4E-07	7.4E+00	8.6E-03	1.0E-03	6.7E-05	1.6E-01	1.4E-02	1.4E-07	1.9E+00
803	0.13	1.3E-07	6.9E+00	8.6E-03	1.0E-03	6.2E-05	1.6E-01	1.4E-02	1.3E-07	1.8E+00
804	0.12	1.2E-07	6.3E+00	8.6E-03	1.0E-03	5.7E-05	1.6E-01	1.4E-02	1.2E-07	1.7E+00
805	0.11	1.1E-07	5.8E+00	8.6E-03	1.0E-03	5.2E-05	1.6E-01	1.4E-02	1.1E-07	1.6E+00
806	0.10	1.0E-07	5.3E+00	8.6E-03	1.0E-03	4.7E-05	1.6E-01	1.4E-02	1.0E-07	1.6E+00

Franklin School Project

Risk From New Building Demo (Port. 1,3,4) - Unmitigated Residential

Haul Route 1A							Haul Route 2A							
g/sec	D1	Dose	R1	ED	Risk	Conc	g/sec	D1	Dose	R1	ED	Risk	Conc	g/sec
1.9E-07	1.0E-03	6.4E-11	1.6E-01	1.4E-02	1.4E-13	3.4E-01	6.0E-07	1.0E-03	2.1E-10	1.6E-01	1.4E-02	4.6E-13	3.4E-01	1.2E-06
1.9E-07	1.0E-03	7.2E-11	1.6E-01	1.4E-02	1.6E-13	3.9E-01	6.0E-07	1.0E-03	2.4E-10	1.6E-01	1.4E-02	5.3E-13	3.9E-01	1.2E-06
1.9E-07	1.0E-03	8.2E-11	1.6E-01	1.4E-02	1.8E-13	4.5E-01	6.0E-07	1.0E-03	2.8E-10	1.6E-01	1.4E-02	6.1E-13	4.5E-01	1.2E-06
1.9E-07	1.0E-03	9.2E-11	1.6E-01	1.4E-02	2.0E-13	5.2E-01	6.0E-07	1.0E-03	3.2E-10	1.6E-01	1.4E-02	7.0E-13	5.2E-01	1.2E-06
1.9E-07	1.0E-03	1.0E-10	1.6E-01	1.4E-02	2.2E-13	5.8E-01	6.0E-07	1.0E-03	3.7E-10	1.6E-01	1.4E-02	7.9E-13	5.8E-01	1.2E-06
1.9E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.4E-13	6.5E-01	6.0E-07	1.0E-03	4.1E-10	1.6E-01	1.4E-02	8.7E-13	6.5E-01	1.2E-06
1.9E-07	1.0E-03	1.2E-10	1.6E-01	1.4E-02	2.5E-13	7.1E-01	6.0E-07	1.0E-03	4.4E-10	1.6E-01	1.4E-02	9.5E-13	7.1E-01	1.2E-06
1.9E-07	1.0E-03	1.3E-10	1.6E-01	1.4E-02	2.7E-13	7.7E-01	6.0E-07	1.0E-03	4.8E-10	1.6E-01	1.4E-02	1.0E-12	7.7E-01	1.2E-06
1.9E-07	1.0E-03	1.4E-10	1.6E-01	1.4E-02	3.0E-13	8.4E-01	6.0E-07	1.0E-03	5.3E-10	1.6E-01	1.4E-02	1.1E-12	8.4E-01	1.2E-06
1.9E-07	1.0E-03	1.5E-10	1.6E-01	1.4E-02	3.2E-13	9.2E-01	6.0E-07	1.0E-03	5.8E-10	1.6E-01	1.4E-02	1.2E-12	9.2E-01	1.2E-06
1.9E-07	1.0E-03	1.6E-10	1.6E-01	1.4E-02	3.4E-13	9.9E-01	6.0E-07	1.0E-03	6.2E-10	1.6E-01	1.4E-02	1.3E-12	9.9E-01	1.2E-06
1.9E-07	1.0E-03	1.7E-10	1.6E-01	1.4E-02	3.6E-13	1.0E+00	6.0E-07	1.0E-03	6.5E-10	1.6E-01	1.4E-02	1.4E-12	1.0E+00	1.2E-06
1.9E-07	1.0E-03	1.7E-10	1.6E-01	1.4E-02	3.6E-13	1.0E+00	6.0E-07	1.0E-03	6.5E-10	1.6E-01	1.4E-02	1.4E-12	1.0E+00	1.2E-06
1.9E-07	1.0E-03	1.7E-10	1.6E-01	1.4E-02	3.6E-13	1.0E+00	6.0E-07	1.0E-03	6.3E-10	1.6E-01	1.4E-02	1.4E-12	1.0E+00	1.2E-06
1.9E-07	1.0E-03	1.6E-10	1.6E-01	1.4E-02	3.4E-13	9.5E-01	6.0E-07	1.0E-03	6.0E-10	1.6E-01	1.4E-02	1.3E-12	9.5E-01	1.2E-06
1.9E-07	1.0E-03	1.5E-10	1.6E-01	1.4E-02	3.2E-13	8.8E-01	6.0E-07	1.0E-03	5.5E-10	1.6E-01	1.4E-02	1.2E-12	8.8E-01	1.2E-06
1.9E-07	1.0E-03	7.5E-11	1.6E-01	1.4E-02	1.6E-13	3.9E-01	6.0E-07	1.0E-03	2.5E-10	1.6E-01	1.4E-02	5.3E-13	3.9E-01	1.2E-06
1.9E-07	1.0E-03	8.7E-11	1.6E-01	1.4E-02	1.9E-13	4.7E-01	6.0E-07	1.0E-03	2.9E-10	1.6E-01	1.4E-02	6.3E-13	4.7E-01	1.2E-06
1.9E-07	1.0E-03	1.0E-10	1.6E-01	1.4E-02	2.2E-13	5.5E-01	6.0E-07	1.0E-03	3.5E-10	1.6E-01	1.4E-02	7.5E-13	5.5E-01	1.2E-06
1.9E-07	1.0E-03	1.2E-10	1.6E-01	1.4E-02	2.5E-13	6.5E-01	6.0E-07	1.0E-03	4.1E-10	1.6E-01	1.4E-02	8.8E-13	6.5E-01	1.2E-06
1.9E-07	1.0E-03	1.3E-10	1.6E-01	1.4E-02	2.8E-13	7.6E-01	6.0E-07	1.0E-03	4.8E-10	1.6E-01	1.4E-02	1.0E-12	7.6E-01	1.2E-06
1.9E-07	1.0E-03	1.4E-10	1.6E-01	1.4E-02	3.1E-13	8.7E-01	6.0E-07	1.0E-03	5.5E-10	1.6E-01	1.4E-02	1.2E-12	8.7E-01	1.2E-06
1.9E-07	1.0E-03	1.6E-10	1.6E-01	1.4E-02	3.4E-13	9.7E-01	6.0E-07	1.0E-03	6.1E-10	1.6E-01	1.4E-02	1.3E-12	9.7E-01	1.2E-06
1.9E-07	1.0E-03	1.7E-10	1.6E-01	1.4E-02	3.7E-13	1.1E+00	6.0E-07	1.0E-03	6.8E-10	1.6E-01	1.4E-02	1.5E-12	1.1E+00	1.2E-06
1.9E-07	1.0E-03	1.9E-10	1.6E-01	1.4E-02	4.1E-13	1.2E+00	6.0E-07	1.0E-03	7.6E-10	1.6E-01	1.4E-02	1.6E-12	1.2E+00	1.2E-06
1.9E-07	1.0E-03	2.1E-10	1.6E-01	1.4E-02	4.5E-13	1.3E+00	6.0E-07	1.0E-03	8.4E-10	1.6E-01	1.4E-02	1.8E-12	1.3E+00	1.2E-06
1.9E-07	1.0E-03	2.2E-10	1.6E-01	1.4E-02	4.8E-13	1.4E+00	6.0E-07	1.0E-03	8.9E-10	1.6E-01	1.4E-02	1.9E-12	1.4E+00	1.2E-06
1.9E-07	1.0E-03	2.2E-10	1.6E-01	1.4E-02	4.8E-13	1.4E+00	6.0E-07	1.0E-03	9.0E-10	1.6E-01	1.4E-02	1.9E-12	1.4E+00	1.2E-06
1.9E-07	1.0E-03	2.2E-10	1.6E-01	1.4E-02	4.7E-13	1.4E+00	6.0E-07	1.0E-03	8.7E-10	1.6E-01	1.4E-02	1.9E-12	1.4E+00	1.2E-06
1.9E-07	1.0E-03	2.1E-10	1.6E-01	1.4E-02	4.5E-13	1.3E+00	6.0E-07	1.0E-03	8.0E-10	1.6E-01	1.4E-02	1.7E-12	1.3E+00	1.2E-06
1.9E-07	1.0E-03	1.9E-10	1.6E-01	1.4E-02	4.1E-13	1.2E+00	6.0E-07	1.0E-03	7.2E-10	1.6E-01	1.4E-02	1.6E-12	1.2E+00	1.2E-06
1.9E-07	1.0E-03	1.7E-10	1.6E-01	1.4E-02	3.7E-13	1.0E+00	6.0E-07	1.0E-03	6.4E-10	1.6E-01	1.4E-02	1.4E-12	1.0E+00	1.2E-06
1.9E-07	1.0E-03	8.8E-11	1.6E-01	1.4E-02	1.9E-13	4.5E-01	6.0E-07	1.0E-03	2.9E-10	1.6E-01	1.4E-02	6.1E-13	4.5E-01	1.2E-06
1.9E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.3E-13	5.6E-01	6.0E-07	1.0E-03	3.5E-10	1.6E-01	1.4E-02	7.5E-13	5.6E-01	1.2E-06
1.9E-07	1.0E-03	1.3E-10	1.6E-01	1.4E-02	2.7E-13	6.9E-01	6.0E-07	1.0E-03	4.3E-10	1.6E-01	1.4E-02	9.3E-13	6.9E-01	1.2E-06
1.9E-07	1.0E-03	1.5E-10	1.6E-01	1.4E-02	3.2E-13	8.5E-01	6.0E-07	1.0E-03	5.3E-10	1.6E-01	1.4E-02	1.1E-12	8.5E-01	1.2E-06
1.9E-07	1.0E-03	1.8E-10	1.6E-01	1.4E-02	3.8E-13	1.0E+00	6.0E-07	1.0E-03	6.5E-10	1.6E-01	1.4E-02	1.4E-12	1.0E+00	1.2E-06
1.9E-07	1.0E-03	2.0E-10	1.6E-01	1.4E-02	4.3E-13	1.2E+00	6.0E-07	1.0E-03	7.8E-10	1.6E-01	1.4E-02	1.7E-12	1.2E+00	1.2E-06
1.9E-07	1.0E-03	2.3E-10	1.6E-01	1.4E-02	4.8E-13	1.4E+00	6.0E-07	1.0E-03	9.0E-10	1.6E-01	1.4E-02	1.9E-12	1.4E+00	1.2E-06
1.9E-07	1.0E-03	2.5E-10	1.6E-01	1.4E-02	5.4E-13	1.6E+00	6.0E-07	1.0E-03	1.0E-09	1.6E-01	1.4E-02	2.2E-12	1.6E+00	1.2E-06
1.9E-07	1.0E-03	2.8E-10	1.6E-01	1.4E-02	6.1E-13	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.5E-12	1.9E+00	1.2E-06
1.9E-07	1.0E-03	3.1E-10	1.6E-01	1.4E-02	6.6E-13	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.8E-12	2.1E+00	1.2E-06
1.9E-07	1.0E-03	3.1E-10	1.6E-01	1.4E-02	6.8E-13	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.8E-12	2.1E+00	1.2E-06

1.9E-07	1.0E-03	3.1E-10	1.6E-01	1.4E-02	6.6E-13	2.0E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.7E-12	2.0E+00	1.2E-06
1.9E-07	1.0E-03	2.8E-10	1.6E-01	1.4E-02	6.1E-13	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.4E-12	1.8E+00	1.2E-06
1.9E-07	1.0E-03	2.5E-10	1.6E-01	1.4E-02	5.5E-13	1.6E+00	6.0E-07	1.0E-03	9.9E-10	1.6E-01	1.4E-02	2.1E-12	1.6E+00	1.2E-06
1.9E-07	1.0E-03	2.2E-10	1.6E-01	1.4E-02	4.8E-13	1.3E+00	6.0E-07	1.0E-03	8.4E-10	1.6E-01	1.4E-02	1.8E-12	1.3E+00	1.2E-06
1.9E-07	1.0E-03	1.9E-10	1.6E-01	1.4E-02	4.2E-13	1.1E+00	6.0E-07	1.0E-03	7.1E-10	1.6E-01	1.4E-02	1.5E-12	1.1E+00	1.2E-06
1.9E-07	1.0E-03	1.0E-10	1.6E-01	1.4E-02	2.2E-13	5.2E-01	6.0E-07	1.0E-03	3.3E-10	1.6E-01	1.4E-02	7.1E-13	5.2E-01	1.2E-06
1.9E-07	1.0E-03	1.3E-10	1.6E-01	1.4E-02	2.7E-13	6.6E-01	6.0E-07	1.0E-03	4.2E-10	1.6E-01	1.4E-02	8.9E-13	6.6E-01	1.2E-06
1.9E-07	1.0E-03	1.6E-10	1.6E-01	1.4E-02	3.5E-13	8.6E-01	6.0E-07	1.0E-03	5.4E-10	1.6E-01	1.4E-02	1.2E-12	8.6E-01	1.2E-06
1.9E-07	1.0E-03	2.0E-10	1.6E-01	1.4E-02	4.3E-13	1.1E+00	6.0E-07	1.0E-03	7.1E-10	1.6E-01	1.4E-02	1.5E-12	1.1E+00	1.2E-06
1.9E-07	1.0E-03	2.5E-10	1.6E-01	1.4E-02	5.4E-13	1.5E+00	6.0E-07	1.0E-03	9.3E-10	1.6E-01	1.4E-02	2.0E-12	1.5E+00	1.2E-06
1.9E-07	1.0E-03	3.0E-10	1.6E-01	1.4E-02	6.4E-13	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.6E-12	1.9E+00	1.2E-06
1.9E-07	1.0E-03	3.5E-10	1.6E-01	1.4E-02	7.5E-13	2.3E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.2E-12	2.3E+00	1.2E-06
1.9E-07	1.0E-03	4.0E-10	1.6E-01	1.4E-02	8.6E-13	2.8E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	1.4E-02	3.8E-12	2.8E+00	1.2E-06
1.9E-07	1.0E-03	4.5E-10	1.6E-01	1.4E-02	9.7E-13	3.2E+00	6.0E-07	1.0E-03	2.0E-09	1.6E-01	1.4E-02	4.3E-12	3.2E+00	1.2E-06
1.9E-07	1.0E-03	4.7E-10	1.6E-01	1.4E-02	1.0E-12	3.4E+00	6.0E-07	1.0E-03	2.1E-09	1.6E-01	1.4E-02	4.5E-12	3.4E+00	1.2E-06
1.9E-07	1.0E-03	4.5E-10	1.6E-01	1.4E-02	9.7E-13	3.1E+00	6.0E-07	1.0E-03	2.0E-09	1.6E-01	1.4E-02	4.2E-12	3.1E+00	1.2E-06
1.9E-07	1.0E-03	4.1E-10	1.6E-01	1.4E-02	8.8E-13	2.7E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	1.4E-02	3.7E-12	2.7E+00	1.2E-06
1.9E-07	1.0E-03	3.5E-10	1.6E-01	1.4E-02	7.6E-13	2.3E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	1.4E-02	3.0E-12	2.3E+00	1.2E-06
1.9E-07	1.0E-03	3.0E-10	1.6E-01	1.4E-02	6.5E-13	1.8E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.5E-12	1.8E+00	1.2E-06
1.9E-07	1.0E-03	2.5E-10	1.6E-01	1.4E-02	5.4E-13	1.5E+00	6.0E-07	1.0E-03	9.4E-10	1.6E-01	1.4E-02	2.0E-12	1.5E+00	1.2E-06
1.9E-07	1.0E-03	2.1E-10	1.6E-01	1.4E-02	4.6E-13	1.2E+00	6.0E-07	1.0E-03	7.6E-10	1.6E-01	1.4E-02	1.6E-12	1.2E+00	1.2E-06
1.9E-07	1.0E-03	1.2E-10	1.6E-01	1.4E-02	2.6E-13	5.9E-01	6.0E-07	1.0E-03	3.7E-10	1.6E-01	1.4E-02	8.0E-13	5.9E-01	1.2E-06
1.9E-07	1.0E-03	1.5E-10	1.6E-01	1.4E-02	3.3E-13	7.8E-01	6.0E-07	1.0E-03	4.9E-10	1.6E-01	1.4E-02	1.0E-12	7.8E-01	1.2E-06
1.9E-07	1.0E-03	2.1E-10	1.6E-01	1.4E-02	4.4E-13	1.1E+00	6.0E-07	1.0E-03	6.7E-10	1.6E-01	1.4E-02	1.4E-12	1.1E+00	1.2E-06
1.9E-07	1.0E-03	2.8E-10	1.6E-01	1.4E-02	6.0E-13	1.5E+00	6.0E-07	1.0E-03	9.6E-10	1.6E-01	1.4E-02	2.1E-12	1.5E+00	1.2E-06
1.9E-07	1.0E-03	3.8E-10	1.6E-01	1.4E-02	8.1E-13	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	1.4E-02	3.0E-12	2.2E+00	1.2E-06
1.9E-07	1.0E-03	4.9E-10	1.6E-01	1.4E-02	1.1E-12	3.3E+00	6.0E-07	1.0E-03	2.1E-09	1.6E-01	1.4E-02	4.4E-12	3.3E+00	1.2E-06
1.9E-07	1.0E-03	6.1E-10	1.6E-01	1.4E-02	1.3E-12	4.5E+00	6.0E-07	1.0E-03	2.8E-09	1.6E-01	1.4E-02	6.0E-12	4.5E+00	1.2E-06
1.9E-07	1.0E-03	7.3E-10	1.6E-01	1.4E-02	1.6E-12	5.6E+00	6.0E-07	1.0E-03	3.5E-09	1.6E-01	1.4E-02	7.6E-12	5.6E+00	1.2E-06
1.9E-07	1.0E-03	7.8E-10	1.6E-01	1.4E-02	1.7E-12	6.2E+00	6.0E-07	1.0E-03	3.9E-09	1.6E-01	1.4E-02	8.4E-12	6.2E+00	1.2E-06
1.9E-07	1.0E-03	7.4E-10	1.6E-01	1.4E-02	1.6E-12	5.6E+00	6.0E-07	1.0E-03	3.5E-09	1.6E-01	1.4E-02	7.6E-12	5.6E+00	1.2E-06
1.9E-07	1.0E-03	6.4E-10	1.6E-01	1.4E-02	1.4E-12	4.5E+00	6.0E-07	1.0E-03	2.8E-09	1.6E-01	1.4E-02	6.1E-12	4.5E+00	1.2E-06
1.9E-07	1.0E-03	5.2E-10	1.6E-01	1.4E-02	1.1E-12	3.4E+00	6.0E-07	1.0E-03	2.2E-09	1.6E-01	1.4E-02	4.7E-12	3.4E+00	1.2E-06
1.9E-07	1.0E-03	4.2E-10	1.6E-01	1.4E-02	9.0E-13	2.6E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	1.4E-02	3.5E-12	2.6E+00	1.2E-06
1.9E-07	1.0E-03	3.4E-10	1.6E-01	1.4E-02	7.2E-13	2.0E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.7E-12	2.0E+00	1.2E-06
1.9E-07	1.0E-03	2.7E-10	1.6E-01	1.4E-02	5.8E-13	1.5E+00	6.0E-07	1.0E-03	9.7E-10	1.6E-01	1.4E-02	2.1E-12	1.5E+00	1.2E-06
1.9E-07	1.0E-03	2.2E-10	1.6E-01	1.4E-02	4.7E-13	1.2E+00	6.0E-07	1.0E-03	7.7E-10	1.6E-01	1.4E-02	1.6E-12	1.2E+00	1.2E-06
1.9E-07	1.0E-03	1.4E-10	1.6E-01	1.4E-02	2.9E-13	6.5E-01	6.0E-07	1.0E-03	4.1E-10	1.6E-01	1.4E-02	8.7E-13	6.5E-01	1.2E-06
1.9E-07	1.0E-03	1.8E-10	1.6E-01	1.4E-02	4.0E-13	8.8E-01	6.0E-07	1.0E-03	5.5E-10	1.6E-01	1.4E-02	1.2E-12	8.8E-01	1.2E-06
1.9E-07	1.0E-03	2.6E-10	1.6E-01	1.4E-02	5.6E-13	1.3E+00	6.0E-07	1.0E-03	8.1E-10	1.6E-01	1.4E-02	1.7E-12	1.3E+00	1.2E-06
1.9E-07	1.0E-03	3.9E-10	1.6E-01	1.4E-02	8.5E-13	2.0E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.7E-12	2.0E+00	1.2E-06
1.9E-07	1.0E-03	6.1E-10	1.6E-01	1.4E-02	1.3E-12	3.5E+00	6.0E-07	1.0E-03	2.2E-09	1.6E-01	1.4E-02	4.7E-12	3.5E+00	1.2E-06
1.9E-07	1.0E-03	9.5E-10	1.6E-01	1.4E-02	2.0E-12	6.5E+00	6.0E-07	1.0E-03	4.1E-09	1.6E-01	1.4E-02	8.7E-12	6.5E+00	1.2E-06
1.9E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.8E-12	1.1E+01	6.0E-07	1.0E-03	7.1E-09	1.6E-01	1.4E-02	1.5E-11	1.1E+01	1.2E-06
1.9E-07	1.0E-03	1.6E-09	1.6E-01	1.4E-02	3.4E-12	1.5E+01	6.0E-07	1.0E-03	9.4E-09	1.6E-01	1.4E-02	2.0E-11	1.5E+01	1.2E-06
1.9E-07	1.0E-03	1.4E-09	1.6E-01	1.4E-02	3.1E-12	1.3E+01	6.0E-07	1.0E-03	8.1E-09	1.6E-01	1.4E-02	1.7E-11	1.3E+01	1.2E-06
1.9E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.4E-12	8.7E+00	6.0E-07	1.0E-03	5.5E-09	1.6E-01	1.4E-02	1.2E-11	8.7E+00	1.2E-06
1.9E-07	1.0E-03	8.3E-10	1.6E-01	1.4E-02	1.8E-12	5.7E+00	6.0E-07	1.0E-03	3.6E-09	1.6E-01	1.4E-02	7.7E-12	5.7E+00	1.2E-06
1.9E-07	1.0E-03	6.1E-10	1.6E-01	1.4E-02	1.3E-12	3.9E+00	6.0E-07	1.0E-03	2.4E-09	1.6E-01	1.4E-02	5.2E-12	3.9E+00	1.2E-06

1.9E-07	1.0E-03	4.6E-10	1.6E-01	1.4E-02	9.9E-13	2.7E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	1.4E-02	3.7E-12	2.7E+00	1.2E-06
1.9E-07	1.0E-03	3.5E-10	1.6E-01	1.4E-02	7.5E-13	2.0E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.7E-12	2.0E+00	1.2E-06
1.9E-07	1.0E-03	2.7E-10	1.6E-01	1.4E-02	5.8E-13	1.5E+00	6.0E-07	1.0E-03	9.4E-10	1.6E-01	1.4E-02	2.0E-12	1.5E+00	1.2E-06
1.9E-07	1.0E-03	2.1E-10	1.6E-01	1.4E-02	4.6E-13	1.2E+00	6.0E-07	1.0E-03	7.2E-10	1.6E-01	1.4E-02	1.6E-12	1.2E+00	1.2E-06
1.9E-07	1.0E-03	1.5E-10	1.6E-01	1.4E-02	3.2E-13	6.8E-01	6.0E-07	1.0E-03	4.3E-10	1.6E-01	1.4E-02	9.2E-13	6.8E-01	1.2E-06
1.9E-07	1.0E-03	2.1E-10	1.6E-01	1.4E-02	4.5E-13	9.5E-01	6.0E-07	1.0E-03	5.9E-10	1.6E-01	1.4E-02	1.3E-12	9.5E-01	1.2E-06
1.9E-07	1.0E-03	3.2E-10	1.6E-01	1.4E-02	6.9E-13	1.4E+00	6.0E-07	1.0E-03	9.1E-10	1.6E-01	1.4E-02	2.0E-12	1.4E+00	1.2E-06
1.9E-07	1.0E-03	5.4E-10	1.6E-01	1.4E-02	1.2E-12	2.5E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.3E-12	2.5E+00	1.2E-06
1.9E-07	1.0E-03	1.0E-09	1.6E-01	1.4E-02	2.2E-12	5.0E+00	6.0E-07	1.0E-03	3.1E-09	1.6E-01	1.4E-02	6.8E-12	5.0E+00	1.2E-06
1.9E-07	1.0E-03	2.3E-09	1.6E-01	1.4E-02	5.0E-12	1.4E+01	6.0E-07	1.0E-03	8.9E-09	1.6E-01	1.4E-02	1.9E-11	1.4E+01	1.2E-06
1.9E-07	1.0E-03	4.7E-09	1.6E-01	1.4E-02	1.0E-11	5.4E+01	6.0E-07	1.0E-03	3.4E-08	1.6E-01	1.4E-02	7.3E-11	5.4E+01	1.2E-06
1.9E-07	1.0E-03	4.0E-09	1.6E-01	1.4E-02	8.6E-12	6.1E+01	6.0E-07	1.0E-03	3.8E-08	1.6E-01	1.4E-02	8.2E-11	6.1E+01	1.2E-06
1.9E-07	1.0E-03	2.4E-09	1.6E-01	1.4E-02	5.2E-12	2.4E+01	6.0E-07	1.0E-03	1.5E-08	1.6E-01	1.4E-02	3.2E-11	2.4E+01	1.2E-06
1.9E-07	1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.2E-12	1.1E+01	6.0E-07	1.0E-03	6.9E-09	1.6E-01	1.4E-02	1.5E-11	1.1E+01	1.2E-06
1.9E-07	1.0E-03	9.4E-10	1.6E-01	1.4E-02	2.0E-12	6.0E+00	6.0E-07	1.0E-03	3.8E-09	1.6E-01	1.4E-02	8.1E-12	6.0E+00	1.2E-06
1.9E-07	1.0E-03	6.4E-10	1.6E-01	1.4E-02	1.4E-12	3.8E+00	6.0E-07	1.0E-03	2.4E-09	1.6E-01	1.4E-02	5.1E-12	3.8E+00	1.2E-06
1.9E-07	1.0E-03	4.5E-10	1.6E-01	1.4E-02	9.8E-13	2.5E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	1.4E-02	3.4E-12	2.5E+00	1.2E-06
1.9E-07	1.0E-03	3.3E-10	1.6E-01	1.4E-02	7.2E-13	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.4E-12	1.8E+00	1.2E-06
1.9E-07	1.0E-03	2.6E-10	1.6E-01	1.4E-02	5.5E-13	1.3E+00	6.0E-07	1.0E-03	8.4E-10	1.6E-01	1.4E-02	1.8E-12	1.3E+00	1.2E-06
1.9E-07	1.0E-03	2.0E-10	1.6E-01	1.4E-02	4.3E-13	1.0E+00	6.0E-07	1.0E-03	6.5E-10	1.6E-01	1.4E-02	1.4E-12	1.0E+00	1.2E-06
1.9E-07	1.0E-03	1.6E-10	1.6E-01	1.4E-02	3.4E-13	6.9E-01	6.0E-07	1.0E-03	4.3E-10	1.6E-01	1.4E-02	9.3E-13	6.9E-01	1.2E-06
1.9E-07	1.0E-03	2.3E-10	1.6E-01	1.4E-02	4.9E-13	9.7E-01	6.0E-07	1.0E-03	6.1E-10	1.6E-01	1.4E-02	1.3E-12	9.7E-01	1.2E-06
1.9E-07	1.0E-03	3.6E-10	1.6E-01	1.4E-02	7.7E-13	1.5E+00	6.0E-07	1.0E-03	9.3E-10	1.6E-01	1.4E-02	2.0E-12	1.5E+00	1.2E-06
1.9E-07	1.0E-03	6.5E-10	1.6E-01	1.4E-02	1.4E-12	2.6E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	1.4E-02	3.5E-12	2.6E+00	1.2E-06
1.9E-07	1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.2E-12	5.5E+00	6.0E-07	1.0E-03	3.4E-09	1.6E-01	1.4E-02	7.4E-12	5.5E+00	1.2E-06
1.9E-07	1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.3E-12	9.6E+00	6.0E-07	1.0E-03	6.0E-09	1.6E-01	1.4E-02	1.3E-11	9.6E+00	1.2E-06
1.9E-07	1.0E-03	9.0E-10	1.6E-01	1.4E-02	1.9E-12	5.1E+00	6.0E-07	1.0E-03	3.2E-09	1.6E-01	1.4E-02	6.9E-12	5.1E+00	1.2E-06
1.9E-07	1.0E-03	5.9E-10	1.6E-01	1.4E-02	1.3E-12	3.2E+00	6.0E-07	1.0E-03	2.0E-09	1.6E-01	1.4E-02	4.3E-12	3.2E+00	1.2E-06
1.9E-07	1.0E-03	4.1E-10	1.6E-01	1.4E-02	8.8E-13	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.9E-12	2.1E+00	1.2E-06
1.9E-07	1.0E-03	3.0E-10	1.6E-01	1.4E-02	6.4E-13	1.5E+00	6.0E-07	1.0E-03	9.7E-10	1.6E-01	1.4E-02	2.1E-12	1.5E+00	1.2E-06
1.9E-07	1.0E-03	2.3E-10	1.6E-01	1.4E-02	4.9E-13	1.2E+00	6.0E-07	1.0E-03	7.3E-10	1.6E-01	1.4E-02	1.6E-12	1.2E+00	1.2E-06
1.9E-07	1.0E-03	1.8E-10	1.6E-01	1.4E-02	3.8E-13	9.0E-01	6.0E-07	1.0E-03	5.7E-10	1.6E-01	1.4E-02	1.2E-12	9.0E-01	1.2E-06
1.9E-07	1.0E-03	1.6E-10	1.6E-01	1.4E-02	3.4E-13	6.6E-01	6.0E-07	1.0E-03	4.1E-10	1.6E-01	1.4E-02	8.9E-13	6.6E-01	1.2E-06
1.9E-07	1.0E-03	2.3E-10	1.6E-01	1.4E-02	4.8E-13	9.1E-01	6.0E-07	1.0E-03	5.7E-10	1.6E-01	1.4E-02	1.2E-12	9.1E-01	1.2E-06
1.9E-07	1.0E-03	3.6E-10	1.6E-01	1.4E-02	7.7E-13	1.4E+00	6.0E-07	1.0E-03	8.5E-10	1.6E-01	1.4E-02	1.8E-12	1.4E+00	1.2E-06
1.9E-07	1.0E-03	6.5E-10	1.6E-01	1.4E-02	1.4E-12	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	1.4E-02	3.0E-12	2.2E+00	1.2E-06
1.9E-07	1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.2E-12	4.1E+00	6.0E-07	1.0E-03	2.6E-09	1.6E-01	1.4E-02	5.5E-12	4.1E+00	1.2E-06
1.9E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.7E-12	6.4E+00	6.0E-07	1.0E-03	4.0E-09	1.6E-01	1.4E-02	8.7E-12	6.4E+00	1.2E-06
1.9E-07	1.0E-03	7.4E-10	1.6E-01	1.4E-02	1.6E-12	3.9E+00	6.0E-07	1.0E-03	2.4E-09	1.6E-01	1.4E-02	5.2E-12	3.9E+00	1.2E-06
1.9E-07	1.0E-03	4.8E-10	1.6E-01	1.4E-02	1.0E-12	2.5E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	1.4E-02	3.4E-12	2.5E+00	1.2E-06
1.9E-07	1.0E-03	3.5E-10	1.6E-01	1.4E-02	7.5E-13	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.4E-12	1.8E+00	1.2E-06
1.9E-07	1.0E-03	2.6E-10	1.6E-01	1.4E-02	5.5E-13	1.3E+00	6.0E-07	1.0E-03	8.2E-10	1.6E-01	1.4E-02	1.8E-12	1.3E+00	1.2E-06
1.9E-07	1.0E-03	2.0E-10	1.6E-01	1.4E-02	4.2E-13	9.9E-01	6.0E-07	1.0E-03	6.2E-10	1.6E-01	1.4E-02	1.3E-12	9.9E-01	1.2E-06
1.9E-07	1.0E-03	1.6E-10	1.6E-01	1.4E-02	3.4E-13	7.8E-01	6.0E-07	1.0E-03	4.9E-10	1.6E-01	1.4E-02	1.1E-12	7.8E-01	1.2E-06
1.9E-07	1.0E-03	1.5E-10	1.6E-01	1.4E-02	3.2E-13	6.1E-01	6.0E-07	1.0E-03	3.8E-10	1.6E-01	1.4E-02	8.2E-13	6.1E-01	1.2E-06
1.9E-07	1.0E-03	2.1E-10	1.6E-01	1.4E-02	4.5E-13	8.2E-01	6.0E-07	1.0E-03	5.1E-10	1.6E-01	1.4E-02	1.1E-12	8.2E-01	1.2E-06
1.9E-07	1.0E-03	3.1E-10	1.6E-01	1.4E-02	6.8E-13	1.1E+00	6.0E-07	1.0E-03	7.2E-10	1.6E-01	1.4E-02	1.5E-12	1.1E+00	1.2E-06
1.9E-07	1.0E-03	5.3E-10	1.6E-01	1.4E-02	1.1E-12	1.7E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.3E-12	1.7E+00	1.2E-06
1.9E-07	1.0E-03	9.8E-10	1.6E-01	1.4E-02	2.1E-12	2.7E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	1.4E-02	3.6E-12	2.7E+00	1.2E-06

1.9E-07	1.0E-03	8.9E-10	1.6E-01	1.4E-02	1.9E-12	4.2E+00	6.0E-07	1.0E-03	2.6E-09	1.6E-01	1.4E-02	5.6E-12	4.2E+00	1.2E-06
1.9E-07	1.0E-03	5.7E-10	1.6E-01	1.4E-02	1.2E-12	2.8E+00	6.0E-07	1.0E-03	1.8E-09	1.6E-01	1.4E-02	3.8E-12	2.8E+00	1.2E-06
1.9E-07	1.0E-03	3.9E-10	1.6E-01	1.4E-02	8.4E-13	2.0E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.7E-12	2.0E+00	1.2E-06
1.9E-07	1.0E-03	2.9E-10	1.6E-01	1.4E-02	6.3E-13	1.5E+00	6.0E-07	1.0E-03	9.3E-10	1.6E-01	1.4E-02	2.0E-12	1.5E+00	1.2E-06
1.9E-07	1.0E-03	2.2E-10	1.6E-01	1.4E-02	4.7E-13	1.1E+00	6.0E-07	1.0E-03	7.0E-10	1.6E-01	1.4E-02	1.5E-12	1.1E+00	1.2E-06
1.9E-07	1.0E-03	1.7E-10	1.6E-01	1.4E-02	3.7E-13	8.7E-01	6.0E-07	1.0E-03	5.4E-10	1.6E-01	1.4E-02	1.2E-12	8.7E-01	1.2E-06
1.9E-07	1.0E-03	1.4E-10	1.6E-01	1.4E-02	2.9E-13	6.9E-01	6.0E-07	1.0E-03	4.3E-10	1.6E-01	1.4E-02	9.4E-13	6.9E-01	1.2E-06
1.9E-07	1.0E-03	1.3E-10	1.6E-01	1.4E-02	2.9E-13	5.4E-01	6.0E-07	1.0E-03	3.4E-10	1.6E-01	1.4E-02	7.3E-13	5.4E-01	1.2E-06
1.9E-07	1.0E-03	1.8E-10	1.6E-01	1.4E-02	3.9E-13	7.0E-01	6.0E-07	1.0E-03	4.4E-10	1.6E-01	1.4E-02	9.4E-13	7.0E-01	1.2E-06
1.9E-07	1.0E-03	2.6E-10	1.6E-01	1.4E-02	5.5E-13	9.4E-01	6.0E-07	1.0E-03	5.9E-10	1.6E-01	1.4E-02	1.3E-12	9.4E-01	1.2E-06
1.9E-07	1.0E-03	3.9E-10	1.6E-01	1.4E-02	8.4E-13	1.3E+00	6.0E-07	1.0E-03	8.2E-10	1.6E-01	1.4E-02	1.8E-12	1.3E+00	1.2E-06
1.9E-07	1.0E-03	6.2E-10	1.6E-01	1.4E-02	1.3E-12	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.5E-12	1.9E+00	1.2E-06
1.9E-07	1.0E-03	6.6E-10	1.6E-01	1.4E-02	1.4E-12	3.0E+00	6.0E-07	1.0E-03	1.9E-09	1.6E-01	1.4E-02	4.0E-12	3.0E+00	1.2E-06
1.9E-07	1.0E-03	4.5E-10	1.6E-01	1.4E-02	9.7E-13	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	1.4E-02	3.0E-12	2.2E+00	1.2E-06
1.9E-07	1.0E-03	3.2E-10	1.6E-01	1.4E-02	6.9E-13	1.6E+00	6.0E-07	1.0E-03	1.0E-09	1.6E-01	1.4E-02	2.2E-12	1.6E+00	1.2E-06
1.9E-07	1.0E-03	2.5E-10	1.6E-01	1.4E-02	5.3E-13	1.3E+00	6.0E-07	1.0E-03	8.0E-10	1.6E-01	1.4E-02	1.7E-12	1.3E+00	1.2E-06
1.9E-07	1.0E-03	1.9E-10	1.6E-01	1.4E-02	4.1E-13	9.8E-01	6.0E-07	1.0E-03	6.2E-10	1.6E-01	1.4E-02	1.3E-12	9.8E-01	1.2E-06
1.9E-07	1.0E-03	1.5E-10	1.6E-01	1.4E-02	3.2E-13	7.8E-01	6.0E-07	1.0E-03	4.9E-10	1.6E-01	1.4E-02	1.0E-12	7.8E-01	1.2E-06
1.9E-07	1.0E-03	1.2E-10	1.6E-01	1.4E-02	2.6E-13	6.3E-01	6.0E-07	1.0E-03	3.9E-10	1.6E-01	1.4E-02	8.5E-13	6.3E-01	1.2E-06
1.9E-07	1.0E-03	1.2E-10	1.6E-01	1.4E-02	2.5E-13	4.7E-01	6.0E-07	1.0E-03	3.0E-10	1.6E-01	1.4E-02	6.4E-13	4.7E-01	1.2E-06
1.9E-07	1.0E-03	1.5E-10	1.6E-01	1.4E-02	3.3E-13	5.9E-01	6.0E-07	1.0E-03	3.7E-10	1.6E-01	1.4E-02	8.0E-13	5.9E-01	1.2E-06
1.9E-07	1.0E-03	2.0E-10	1.6E-01	1.4E-02	4.4E-13	7.6E-01	6.0E-07	1.0E-03	4.8E-10	1.6E-01	1.4E-02	1.0E-12	7.6E-01	1.2E-06
1.9E-07	1.0E-03	2.8E-10	1.6E-01	1.4E-02	6.1E-13	1.0E+00	6.0E-07	1.0E-03	6.3E-10	1.6E-01	1.4E-02	1.3E-12	1.0E+00	1.2E-06
1.9E-07	1.0E-03	4.2E-10	1.6E-01	1.4E-02	9.0E-13	1.4E+00	6.0E-07	1.0E-03	8.6E-10	1.6E-01	1.4E-02	1.8E-12	1.4E+00	1.2E-06
1.9E-07	1.0E-03	5.8E-10	1.6E-01	1.4E-02	1.3E-12	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.5E-12	1.8E+00	1.2E-06
1.9E-07	1.0E-03	7.1E-10	1.6E-01	1.4E-02	1.5E-12	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	1.4E-02	3.0E-12	2.2E+00	1.2E-06
1.9E-07	1.0E-03	7.2E-10	1.6E-01	1.4E-02	1.6E-12	2.5E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	1.4E-02	3.3E-12	2.5E+00	1.2E-06
1.9E-07	1.0E-03	6.3E-10	1.6E-01	1.4E-02	1.3E-12	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.3E-12	2.4E+00	1.2E-06
1.9E-07	1.0E-03	4.9E-10	1.6E-01	1.4E-02	1.1E-12	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.9E-12	2.1E+00	1.2E-06
1.9E-07	1.0E-03	3.7E-10	1.6E-01	1.4E-02	8.0E-13	1.7E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.4E-12	1.7E+00	1.2E-06
1.9E-07	1.0E-03	2.7E-10	1.6E-01	1.4E-02	5.8E-13	1.3E+00	6.0E-07	1.0E-03	8.3E-10	1.6E-01	1.4E-02	1.8E-12	1.3E+00	1.2E-06
1.9E-07	1.0E-03	2.1E-10	1.6E-01	1.4E-02	4.4E-13	1.1E+00	6.0E-07	1.0E-03	6.6E-10	1.6E-01	1.4E-02	1.4E-12	1.1E+00	1.2E-06
1.9E-07	1.0E-03	1.7E-10	1.6E-01	1.4E-02	3.7E-13	8.7E-01	6.0E-07	1.0E-03	5.5E-10	1.6E-01	1.4E-02	1.2E-12	8.7E-01	1.2E-06
1.9E-07	1.0E-03	1.4E-10	1.6E-01	1.4E-02	2.9E-13	7.0E-01	6.0E-07	1.0E-03	4.4E-10	1.6E-01	1.4E-02	9.5E-13	7.0E-01	1.2E-06
1.9E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.4E-13	5.7E-01	6.0E-07	1.0E-03	3.6E-10	1.6E-01	1.4E-02	7.8E-13	5.7E-01	1.2E-06
1.9E-07	1.0E-03	1.0E-10	1.6E-01	1.4E-02	2.2E-13	4.1E-01	6.0E-07	1.0E-03	2.6E-10	1.6E-01	1.4E-02	5.6E-13	4.1E-01	1.2E-06
1.9E-07	1.0E-03	1.3E-10	1.6E-01	1.4E-02	2.7E-13	5.0E-01	6.0E-07	1.0E-03	3.2E-10	1.6E-01	1.4E-02	6.8E-13	5.0E-01	1.2E-06
1.9E-07	1.0E-03	1.6E-10	1.6E-01	1.4E-02	3.5E-13	6.2E-01	6.0E-07	1.0E-03	3.9E-10	1.6E-01	1.4E-02	8.4E-13	6.2E-01	1.2E-06
1.9E-07	1.0E-03	2.2E-10	1.6E-01	1.4E-02	4.7E-13	8.0E-01	6.0E-07	1.0E-03	5.0E-10	1.6E-01	1.4E-02	1.1E-12	8.0E-01	1.2E-06
1.9E-07	1.0E-03	2.9E-10	1.6E-01	1.4E-02	6.3E-13	1.0E+00	6.0E-07	1.0E-03	6.5E-10	1.6E-01	1.4E-02	1.4E-12	1.0E+00	1.2E-06
1.9E-07	1.0E-03	3.7E-10	1.6E-01	1.4E-02	8.0E-13	1.3E+00	6.0E-07	1.0E-03	8.1E-10	1.6E-01	1.4E-02	1.7E-12	1.3E+00	1.2E-06
1.9E-07	1.0E-03	4.4E-10	1.6E-01	1.4E-02	9.5E-13	1.5E+00	6.0E-07	1.0E-03	9.5E-10	1.6E-01	1.4E-02	2.1E-12	1.5E+00	1.2E-06
1.9E-07	1.0E-03	4.6E-10	1.6E-01	1.4E-02	9.9E-13	1.7E+00	6.0E-07	1.0E-03	1.0E-09	1.6E-01	1.4E-02	2.3E-12	1.7E+00	1.2E-06
1.9E-07	1.0E-03	4.3E-10	1.6E-01	1.4E-02	9.2E-13	1.7E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.3E-12	1.7E+00	1.2E-06
1.9E-07	1.0E-03	3.6E-10	1.6E-01	1.4E-02	7.8E-13	1.6E+00	6.0E-07	1.0E-03	9.7E-10	1.6E-01	1.4E-02	2.1E-12	1.6E+00	1.2E-06
1.9E-07	1.0E-03	3.0E-10	1.6E-01	1.4E-02	6.4E-13	1.4E+00	6.0E-07	1.0E-03	8.5E-10	1.6E-01	1.4E-02	1.8E-12	1.4E+00	1.2E-06
1.9E-07	1.0E-03	2.4E-10	1.6E-01	1.4E-02	5.1E-13	1.1E+00	6.0E-07	1.0E-03	7.1E-10	1.6E-01	1.4E-02	1.5E-12	1.1E+00	1.2E-06
1.9E-07	1.0E-03	1.8E-10	1.6E-01	1.4E-02	3.9E-13	9.0E-01	6.0E-07	1.0E-03	5.6E-10	1.6E-01	1.4E-02	1.2E-12	9.0E-01	1.2E-06
1.9E-07	1.0E-03	1.5E-10	1.6E-01	1.4E-02	3.2E-13	7.7E-01	6.0E-07	1.0E-03	4.8E-10	1.6E-01	1.4E-02	1.0E-12	7.7E-01	1.2E-06

1.9E-07	1.0E-03	1.2E-10	1.6E-01	1.4E-02	2.7E-13	6.4E-01	6.0E-07	1.0E-03	4.0E-10	1.6E-01	1.4E-02	8.6E-13	6.4E-01	1.2E-06
1.9E-07	1.0E-03	1.0E-10	1.6E-01	1.4E-02	2.2E-13	5.3E-01	6.0E-07	1.0E-03	3.3E-10	1.6E-01	1.4E-02	7.2E-13	5.3E-01	1.2E-06
1.9E-07	1.0E-03	8.7E-11	1.6E-01	1.4E-02	1.9E-13	3.6E-01	6.0E-07	1.0E-03	2.3E-10	1.6E-01	1.4E-02	4.9E-13	3.6E-01	1.2E-06
1.9E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.3E-13	4.3E-01	6.0E-07	1.0E-03	2.7E-10	1.6E-01	1.4E-02	5.8E-13	4.3E-01	1.2E-06
1.9E-07	1.0E-03	1.3E-10	1.6E-01	1.4E-02	2.9E-13	5.3E-01	6.0E-07	1.0E-03	3.3E-10	1.6E-01	1.4E-02	7.1E-13	5.3E-01	1.2E-06
1.9E-07	1.0E-03	1.7E-10	1.6E-01	1.4E-02	3.7E-13	6.5E-01	6.0E-07	1.0E-03	4.1E-10	1.6E-01	1.4E-02	8.8E-13	6.5E-01	1.2E-06
1.9E-07	1.0E-03	2.1E-10	1.6E-01	1.4E-02	4.6E-13	8.0E-01	6.0E-07	1.0E-03	5.0E-10	1.6E-01	1.4E-02	1.1E-12	8.0E-01	1.2E-06
1.9E-07	1.0E-03	2.6E-10	1.6E-01	1.4E-02	5.6E-13	9.6E-01	6.0E-07	1.0E-03	6.0E-10	1.6E-01	1.4E-02	1.3E-12	9.6E-01	1.2E-06
1.9E-07	1.0E-03	3.0E-10	1.6E-01	1.4E-02	6.4E-13	1.1E+00	6.0E-07	1.0E-03	6.9E-10	1.6E-01	1.4E-02	1.5E-12	1.1E+00	1.2E-06
1.9E-07	1.0E-03	3.1E-10	1.6E-01	1.4E-02	6.8E-13	1.2E+00	6.0E-07	1.0E-03	7.5E-10	1.6E-01	1.4E-02	1.6E-12	1.2E+00	1.2E-06
1.9E-07	1.0E-03	3.1E-10	1.6E-01	1.4E-02	6.6E-13	1.2E+00	6.0E-07	1.0E-03	7.6E-10	1.6E-01	1.4E-02	1.6E-12	1.2E+00	1.2E-06
1.9E-07	1.0E-03	2.7E-10	1.6E-01	1.4E-02	5.9E-13	1.2E+00	6.0E-07	1.0E-03	7.3E-10	1.6E-01	1.4E-02	1.6E-12	1.2E+00	1.2E-06
1.9E-07	1.0E-03	2.3E-10	1.6E-01	1.4E-02	4.9E-13	1.0E+00	6.0E-07	1.0E-03	6.4E-10	1.6E-01	1.4E-02	1.4E-12	1.0E+00	1.2E-06
1.9E-07	1.0E-03	1.9E-10	1.6E-01	1.4E-02	4.1E-13	9.0E-01	6.0E-07	1.0E-03	5.7E-10	1.6E-01	1.4E-02	1.2E-12	9.0E-01	1.2E-06
1.9E-07	1.0E-03	1.6E-10	1.6E-01	1.4E-02	3.4E-13	7.8E-01	6.0E-07	1.0E-03	4.9E-10	1.6E-01	1.4E-02	1.0E-12	7.8E-01	1.2E-06
1.9E-07	1.0E-03	1.3E-10	1.6E-01	1.4E-02	2.8E-13	6.4E-01	6.0E-07	1.0E-03	4.0E-10	1.6E-01	1.4E-02	8.7E-13	6.4E-01	1.2E-06
1.9E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.4E-13	5.7E-01	6.0E-07	1.0E-03	3.6E-10	1.6E-01	1.4E-02	7.7E-13	5.7E-01	1.2E-06
1.9E-07	1.0E-03	9.5E-11	1.6E-01	1.4E-02	2.0E-13	4.9E-01	6.0E-07	1.0E-03	3.1E-10	1.6E-01	1.4E-02	6.6E-13	4.9E-01	1.2E-06
1.9E-07	1.0E-03	7.6E-11	1.6E-01	1.4E-02	1.6E-13	3.2E-01	6.0E-07	1.0E-03	2.0E-10	1.6E-01	1.4E-02	4.3E-13	3.2E-01	1.2E-06
1.9E-07	1.0E-03	9.1E-11	1.6E-01	1.4E-02	2.0E-13	3.7E-01	6.0E-07	1.0E-03	2.4E-10	1.6E-01	1.4E-02	5.1E-13	3.7E-01	1.2E-06
1.9E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.4E-13	4.5E-01	6.0E-07	1.0E-03	2.8E-10	1.6E-01	1.4E-02	6.0E-13	4.5E-01	1.2E-06
1.9E-07	1.0E-03	1.4E-10	1.6E-01	1.4E-02	2.9E-13	5.3E-01	6.0E-07	1.0E-03	3.4E-10	1.6E-01	1.4E-02	7.2E-13	5.3E-01	1.2E-06
1.9E-07	1.0E-03	1.6E-10	1.6E-01	1.4E-02	3.5E-13	6.4E-01	6.0E-07	1.0E-03	4.0E-10	1.6E-01	1.4E-02	8.6E-13	6.4E-01	1.2E-06
1.9E-07	1.0E-03	1.9E-10	1.6E-01	1.4E-02	4.2E-13	7.4E-01	6.0E-07	1.0E-03	4.7E-10	1.6E-01	1.4E-02	1.0E-12	7.4E-01	1.2E-06
1.9E-07	1.0E-03	2.2E-10	1.6E-01	1.4E-02	4.7E-13	8.4E-01	6.0E-07	1.0E-03	5.2E-10	1.6E-01	1.4E-02	1.1E-12	8.4E-01	1.2E-06
1.9E-07	1.0E-03	2.3E-10	1.6E-01	1.4E-02	4.9E-13	9.0E-01	6.0E-07	1.0E-03	5.6E-10	1.6E-01	1.4E-02	1.2E-12	9.0E-01	1.2E-06
1.9E-07	1.0E-03	2.3E-10	1.6E-01	1.4E-02	4.8E-13	9.2E-01	6.0E-07	1.0E-03	5.8E-10	1.6E-01	1.4E-02	1.2E-12	9.2E-01	1.2E-06
1.9E-07	1.0E-03	2.1E-10	1.6E-01	1.4E-02	4.5E-13	8.9E-01	6.0E-07	1.0E-03	5.6E-10	1.6E-01	1.4E-02	1.2E-12	8.9E-01	1.2E-06
1.9E-07	1.0E-03	1.9E-10	1.6E-01	1.4E-02	4.1E-13	8.4E-01	6.0E-07	1.0E-03	5.3E-10	1.6E-01	1.4E-02	1.1E-12	8.4E-01	1.2E-06
1.9E-07	1.0E-03	1.7E-10	1.6E-01	1.4E-02	3.6E-13	7.7E-01	6.0E-07	1.0E-03	4.8E-10	1.6E-01	1.4E-02	1.0E-12	7.7E-01	1.2E-06
1.9E-07	1.0E-03	1.4E-10	1.6E-01	1.4E-02	3.1E-13	6.8E-01	6.0E-07	1.0E-03	4.3E-10	1.6E-01	1.4E-02	9.2E-13	6.8E-01	1.2E-06
1.9E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.5E-13	5.6E-01	6.0E-07	1.0E-03	3.5E-10	1.6E-01	1.4E-02	7.6E-13	5.6E-01	1.2E-06
1.9E-07	1.0E-03	9.7E-11	1.6E-01	1.4E-02	2.1E-13	4.9E-01	6.0E-07	1.0E-03	3.1E-10	1.6E-01	1.4E-02	6.6E-13	4.9E-01	1.2E-06
1.9E-07	1.0E-03	8.8E-11	1.6E-01	1.4E-02	1.9E-13	4.5E-01	6.0E-07	1.0E-03	2.8E-10	1.6E-01	1.4E-02	6.0E-13	4.5E-01	1.2E-06
1.9E-07	1.0E-03	6.7E-11	1.6E-01	1.4E-02	1.4E-13	2.8E-01	6.0E-07	1.0E-03	1.8E-10	1.6E-01	1.4E-02	3.8E-13	2.8E-01	1.2E-06
1.9E-07	1.0E-03	7.9E-11	1.6E-01	1.4E-02	1.7E-13	3.3E-01	6.0E-07	1.0E-03	2.1E-10	1.6E-01	1.4E-02	4.4E-13	3.3E-01	1.2E-06
1.9E-07	1.0E-03	9.3E-11	1.6E-01	1.4E-02	2.0E-13	3.8E-01	6.0E-07	1.0E-03	2.4E-10	1.6E-01	1.4E-02	5.2E-13	3.8E-01	1.2E-06
1.9E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.4E-13	4.5E-01	6.0E-07	1.0E-03	2.8E-10	1.6E-01	1.4E-02	6.0E-13	4.5E-01	1.2E-06
1.9E-07	1.0E-03	1.3E-10	1.6E-01	1.4E-02	2.8E-13	5.2E-01	6.0E-07	1.0E-03	3.3E-10	1.6E-01	1.4E-02	7.0E-13	5.2E-01	1.2E-06
1.9E-07	1.0E-03	1.5E-10	1.6E-01	1.4E-02	3.2E-13	5.9E-01	6.0E-07	1.0E-03	3.7E-10	1.6E-01	1.4E-02	8.0E-13	5.9E-01	1.2E-06
1.9E-07	1.0E-03	1.6E-10	1.6E-01	1.4E-02	3.5E-13	6.6E-01	6.0E-07	1.0E-03	4.1E-10	1.6E-01	1.4E-02	8.9E-13	6.6E-01	1.2E-06
1.9E-07	1.0E-03	1.7E-10	1.6E-01	1.4E-02	3.7E-13	7.0E-01	6.0E-07	1.0E-03	4.4E-10	1.6E-01	1.4E-02	9.5E-13	7.0E-01	1.2E-06
1.9E-07	1.0E-03	1.7E-10	1.6E-01	1.4E-02	3.7E-13	7.2E-01	6.0E-07	1.0E-03	4.5E-10	1.6E-01	1.4E-02	9.7E-13	7.2E-01	1.2E-06
1.9E-07	1.0E-03	1.7E-10	1.6E-01	1.4E-02	3.6E-13	7.1E-01	6.0E-07	1.0E-03	4.5E-10	1.6E-01	1.4E-02	9.6E-13	7.1E-01	1.2E-06
1.9E-07	1.0E-03	1.6E-10	1.6E-01	1.4E-02	3.3E-13	6.9E-01	6.0E-07	1.0E-03	4.3E-10	1.6E-01	1.4E-02	9.3E-13	6.9E-01	1.2E-06
1.9E-07	1.0E-03	1.4E-10	1.6E-01	1.4E-02	3.0E-13	6.4E-01	6.0E-07	1.0E-03	4.0E-10	1.6E-01	1.4E-02	8.6E-13	6.4E-01	1.2E-06
1.9E-07	1.0E-03	1.2E-10	1.6E-01	1.4E-02	2.7E-13	5.8E-01	6.0E-07	1.0E-03	3.7E-10	1.6E-01	1.4E-02	7.9E-13	5.8E-01	1.2E-06
1.9E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.3E-13	5.2E-01	6.0E-07	1.0E-03	3.3E-10	1.6E-01	1.4E-02	7.0E-13	5.2E-01	1.2E-06
1.9E-07	1.0E-03	8.8E-11	1.6E-01	1.4E-02	1.9E-13	4.3E-01	6.0E-07	1.0E-03	2.7E-10	1.6E-01	1.4E-02	5.8E-13	4.3E-01	1.2E-06

1.9E-07	1.0E-03	7.6E-11	1.6E-01	1.4E-02	1.6E-13	3.8E-01	6.0E-07	1.0E-03	2.4E-10	1.6E-01	1.4E-02	5.1E-13	3.8E-01	1.2E-06
1.9E-07	1.0E-03	5.8E-11	1.6E-01	1.4E-02	1.3E-13	2.5E-01	6.0E-07	1.0E-03	1.6E-10	1.6E-01	1.4E-02	3.4E-13	2.5E-01	1.2E-06
1.9E-07	1.0E-03	6.8E-11	1.6E-01	1.4E-02	1.5E-13	2.9E-01	6.0E-07	1.0E-03	1.8E-10	1.6E-01	1.4E-02	3.9E-13	2.9E-01	1.2E-06
1.9E-07	1.0E-03	7.9E-11	1.6E-01	1.4E-02	1.7E-13	3.3E-01	6.0E-07	1.0E-03	2.1E-10	1.6E-01	1.4E-02	4.4E-13	3.3E-01	1.2E-06
1.9E-07	1.0E-03	9.2E-11	1.6E-01	1.4E-02	2.0E-13	3.8E-01	6.0E-07	1.0E-03	2.4E-10	1.6E-01	1.4E-02	5.1E-13	3.8E-01	1.2E-06
1.9E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.3E-13	4.3E-01	6.0E-07	1.0E-03	2.7E-10	1.6E-01	1.4E-02	5.8E-13	4.3E-01	1.2E-06
1.9E-07	1.0E-03	1.2E-10	1.6E-01	1.4E-02	2.6E-13	4.9E-01	6.0E-07	1.0E-03	3.0E-10	1.6E-01	1.4E-02	6.6E-13	4.9E-01	1.2E-06
1.9E-07	1.0E-03	1.3E-10	1.6E-01	1.4E-02	2.8E-13	5.3E-01	6.0E-07	1.0E-03	3.3E-10	1.6E-01	1.4E-02	7.2E-13	5.3E-01	1.2E-06
1.9E-07	1.0E-03	1.4E-10	1.6E-01	1.4E-02	2.9E-13	5.6E-01	6.0E-07	1.0E-03	3.5E-10	1.6E-01	1.4E-02	7.6E-13	5.6E-01	1.2E-06
1.9E-07	1.0E-03	1.4E-10	1.6E-01	1.4E-02	3.0E-13	5.8E-01	6.0E-07	1.0E-03	3.6E-10	1.6E-01	1.4E-02	7.8E-13	5.8E-01	1.2E-06
1.9E-07	1.0E-03	1.3E-10	1.6E-01	1.4E-02	2.9E-13	5.8E-01	6.0E-07	1.0E-03	3.6E-10	1.6E-01	1.4E-02	7.8E-13	5.8E-01	1.2E-06
1.9E-07	1.0E-03	1.3E-10	1.6E-01	1.4E-02	2.7E-13	5.6E-01	6.0E-07	1.0E-03	3.5E-10	1.6E-01	1.4E-02	7.6E-13	5.6E-01	1.2E-06
1.9E-07	1.0E-03	1.2E-10	1.6E-01	1.4E-02	2.5E-13	5.3E-01	6.0E-07	1.0E-03	3.4E-10	1.6E-01	1.4E-02	7.2E-13	5.3E-01	1.2E-06
1.9E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.3E-13	5.0E-01	6.0E-07	1.0E-03	3.1E-10	1.6E-01	1.4E-02	6.7E-13	5.0E-01	1.2E-06
1.9E-07	1.0E-03	9.5E-11	1.6E-01	1.4E-02	2.1E-13	4.5E-01	6.0E-07	1.0E-03	2.9E-10	1.6E-01	1.4E-02	6.1E-13	4.5E-01	1.2E-06
1.9E-07	1.0E-03	8.3E-11	1.6E-01	1.4E-02	1.8E-13	4.0E-01	6.0E-07	1.0E-03	2.5E-10	1.6E-01	1.4E-02	5.5E-13	4.0E-01	1.2E-06
1.9E-07	1.0E-03	6.9E-11	1.6E-01	1.4E-02	1.5E-13	3.4E-01	6.0E-07	1.0E-03	2.1E-10	1.6E-01	1.4E-02	4.6E-13	3.4E-01	1.2E-06
1.9E-07	1.0E-03	5.2E-11	1.6E-01	1.4E-02	1.1E-13	2.2E-01	6.0E-07	1.0E-03	1.4E-10	1.6E-01	1.4E-02	3.0E-13	2.2E-01	1.2E-06
1.9E-07	1.0E-03	5.9E-11	1.6E-01	1.4E-02	1.3E-13	2.5E-01	6.0E-07	1.0E-03	1.6E-10	1.6E-01	1.4E-02	3.4E-13	2.5E-01	1.2E-06
1.9E-07	1.0E-03	6.8E-11	1.6E-01	1.4E-02	1.5E-13	2.9E-01	6.0E-07	1.0E-03	1.8E-10	1.6E-01	1.4E-02	3.9E-13	2.9E-01	1.2E-06
1.9E-07	1.0E-03	7.7E-11	1.6E-01	1.4E-02	1.7E-13	3.3E-01	6.0E-07	1.0E-03	2.0E-10	1.6E-01	1.4E-02	4.4E-13	3.3E-01	1.2E-06
1.9E-07	1.0E-03	8.7E-11	1.6E-01	1.4E-02	1.9E-13	3.7E-01	6.0E-07	1.0E-03	2.3E-10	1.6E-01	1.4E-02	4.9E-13	3.7E-01	1.2E-06
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1.9E-07	1.0E-03	1.0E-10	1.6E-01	1.4E-02	2.3E-13	4.4E-01	6.0E-07	1.0E-03	2.8E-10	1.6E-01	1.4E-02	5.9E-13	4.4E-01	1.2E-06
1.9E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.4E-13	4.6E-01	6.0E-07	1.0E-03	2.9E-10	1.6E-01	1.4E-02	6.3E-13	4.6E-01	1.2E-06
1.9E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.4E-13	4.8E-01	6.0E-07	1.0E-03	3.0E-10	1.6E-01	1.4E-02	6.4E-13	4.8E-01	1.2E-06
1.9E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.4E-13	4.8E-01	6.0E-07	1.0E-03	3.0E-10	1.6E-01	1.4E-02	6.5E-13	4.8E-01	1.2E-06
1.9E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.3E-13	4.7E-01	6.0E-07	1.0E-03	2.9E-10	1.6E-01	1.4E-02	6.3E-13	4.7E-01	1.2E-06
1.9E-07	1.0E-03	9.9E-11	1.6E-01	1.4E-02	2.1E-13	4.5E-01	6.0E-07	1.0E-03	2.8E-10	1.6E-01	1.4E-02	6.1E-13	4.5E-01	1.2E-06
1.9E-07	1.0E-03	9.2E-11	1.6E-01	1.4E-02	2.0E-13	4.3E-01	6.0E-07	1.0E-03	2.7E-10	1.6E-01	1.4E-02	5.7E-13	4.3E-01	1.2E-06
1.9E-07	1.0E-03	8.4E-11	1.6E-01	1.4E-02	1.8E-13	4.0E-01	6.0E-07	1.0E-03	2.5E-10	1.6E-01	1.4E-02	5.3E-13	4.0E-01	1.2E-06
1.9E-07	1.0E-03	7.5E-11	1.6E-01	1.4E-02	1.6E-13	3.6E-01	6.0E-07	1.0E-03	2.3E-10	1.6E-01	1.4E-02	4.9E-13	3.6E-01	1.2E-06
1.9E-07	1.0E-03	6.4E-11	1.6E-01	1.4E-02	1.4E-13	3.1E-01	6.0E-07	1.0E-03	2.0E-10	1.6E-01	1.4E-02	4.2E-13	3.1E-01	1.2E-06
1.9E-07	1.0E-03	2.3E-09	1.6E-01	1.4E-02	5.0E-12	1.4E+01	6.0E-07	1.0E-03	8.9E-09	1.6E-01	1.4E-02	1.9E-11	1.4E+01	1.2E-06
1.9E-07	1.0E-03	2.8E-09	1.6E-01	1.4E-02	5.9E-12	1.8E+01	6.0E-07	1.0E-03	1.1E-08	1.6E-01	1.4E-02	2.5E-11	1.8E+01	1.2E-06
1.9E-07	1.0E-03	3.2E-09	1.6E-01	1.4E-02	7.0E-12	2.4E+01	6.0E-07	1.0E-03	1.5E-08	1.6E-01	1.4E-02	3.2E-11	2.4E+01	1.2E-06
1.9E-07	1.0E-03	3.7E-09	1.6E-01	1.4E-02	8.1E-12	3.2E+01	6.0E-07	1.0E-03	2.0E-08	1.6E-01	1.4E-02	4.3E-11	3.2E+01	1.2E-06
1.9E-07	1.0E-03	4.3E-09	1.6E-01	1.4E-02	9.2E-12	4.2E+01	6.0E-07	1.0E-03	2.7E-08	1.6E-01	1.4E-02	5.7E-11	4.2E+01	1.2E-06
1.9E-07	1.0E-03	4.7E-09	1.6E-01	1.4E-02	1.0E-11	5.4E+01	6.0E-07	1.0E-03	3.4E-08	1.6E-01	1.4E-02	7.3E-11	5.4E+01	1.2E-06
1.9E-07	1.0E-03	4.9E-09	1.6E-01	1.4E-02	1.1E-11	6.3E+01	6.0E-07	1.0E-03	3.9E-08	1.6E-01	1.4E-02	8.5E-11	6.3E+01	1.2E-06
1.9E-07	1.0E-03	4.9E-09	1.6E-01	1.4E-02	1.0E-11	6.8E+01	6.0E-07	1.0E-03	4.3E-08	1.6E-01	1.4E-02	9.2E-11	6.8E+01	1.2E-06
1.9E-07	1.0E-03	4.7E-09	1.6E-01	1.4E-02	1.0E-11	7.0E+01	6.0E-07	1.0E-03	4.4E-08	1.6E-01	1.4E-02	9.4E-11	7.0E+01	1.2E-06
1.9E-07	1.0E-03	4.3E-09	1.6E-01	1.4E-02	9.3E-12	6.8E+01	6.0E-07	1.0E-03	4.2E-08	1.6E-01	1.4E-02	9.1E-11	6.8E+01	1.2E-06
1.9E-07	1.0E-03	4.0E-09	1.6E-01	1.4E-02	8.6E-12	6.1E+01	6.0E-07	1.0E-03	3.8E-08	1.6E-01	1.4E-02	8.2E-11	6.1E+01	1.2E-06
1.9E-07	1.0E-03	3.6E-09	1.6E-01	1.4E-02	7.8E-12	5.1E+01	6.0E-07	1.0E-03	3.2E-08	1.6E-01	1.4E-02	6.9E-11	5.1E+01	1.2E-06
1.9E-07	1.0E-03	3.3E-09	1.6E-01	1.4E-02	7.1E-12	4.2E+01	6.0E-07	1.0E-03	2.7E-08	1.6E-01	1.4E-02	5.7E-11	4.2E+01	1.2E-06
1.9E-07	1.0E-03	3.0E-09	1.6E-01	1.4E-02	6.4E-12	3.5E+01	6.0E-07	1.0E-03	2.2E-08	1.6E-01	1.4E-02	4.7E-11	3.5E+01	1.2E-06
1.9E-07	1.0E-03	2.7E-09	1.6E-01	1.4E-02	5.8E-12	2.9E+01	6.0E-07	1.0E-03	1.8E-08	1.6E-01	1.4E-02	3.9E-11	2.9E+01	1.2E-06
1.9E-07	1.0E-03	2.4E-09	1.6E-01	1.4E-02	5.2E-12	2.4E+01	6.0E-07	1.0E-03	1.5E-08	1.6E-01	1.4E-02	3.2E-11	2.4E+01	1.2E-06

1.9E-07	1.0E-03	2.2E-09	1.6E-01	1.4E-02	4.7E-12	2.0E+01	6.0E-07	1.0E-03	1.3E-08	1.6E-01	1.4E-02	2.7E-11	2.0E+01	1.2E-06
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1.9E-07	1.0E-03	1.8E-09	1.6E-01	1.4E-02	3.8E-12	1.5E+01	6.0E-07	1.0E-03	9.1E-09	1.6E-01	1.4E-02	2.0E-11	1.5E+01	1.2E-06
1.9E-07	1.0E-03	1.6E-09	1.6E-01	1.4E-02	3.5E-12	1.3E+01	6.0E-07	1.0E-03	7.9E-09	1.6E-01	1.4E-02	1.7E-11	1.3E+01	1.2E-06
1.9E-07	1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.2E-12	1.1E+01	6.0E-07	1.0E-03	6.9E-09	1.6E-01	1.4E-02	1.5E-11	1.1E+01	1.2E-06
1.9E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.9E-12	9.6E+00	6.0E-07	1.0E-03	6.0E-09	1.6E-01	1.4E-02	1.3E-11	9.6E+00	1.2E-06
1.9E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.6E-12	8.5E+00	6.0E-07	1.0E-03	5.3E-09	1.6E-01	1.4E-02	1.1E-11	8.5E+00	1.2E-06
1.9E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.4E-12	7.5E+00	6.0E-07	1.0E-03	4.7E-09	1.6E-01	1.4E-02	1.0E-11	7.5E+00	1.2E-06
1.9E-07	1.0E-03	1.0E-09	1.6E-01	1.4E-02	2.2E-12	6.7E+00	6.0E-07	1.0E-03	4.2E-09	1.6E-01	1.4E-02	9.1E-12	6.7E+00	1.2E-06
1.9E-07	1.0E-03	9.4E-10	1.6E-01	1.4E-02	2.0E-12	6.0E+00	6.0E-07	1.0E-03	3.8E-09	1.6E-01	1.4E-02	8.1E-12	6.0E+00	1.2E-06
1.9E-07	1.0E-03	2.9E-09	1.6E-01	1.4E-02	6.1E-12	1.6E+01	6.0E-07	1.0E-03	1.0E-08	1.6E-01	1.4E-02	2.2E-11	1.6E+01	1.2E-06
1.9E-07	1.0E-03	3.5E-09	1.6E-01	1.4E-02	7.6E-12	2.2E+01	6.0E-07	1.0E-03	1.4E-08	1.6E-01	1.4E-02	2.9E-11	2.2E+01	1.2E-06
1.9E-07	1.0E-03	4.3E-09	1.6E-01	1.4E-02	9.2E-12	3.0E+01	6.0E-07	1.0E-03	1.9E-08	1.6E-01	1.4E-02	4.1E-11	3.0E+01	1.2E-06
1.9E-07	1.0E-03	5.2E-09	1.6E-01	1.4E-02	1.1E-11	4.3E+01	6.0E-07	1.0E-03	2.7E-08	1.6E-01	1.4E-02	5.8E-11	4.3E+01	1.2E-06
1.9E-07	1.0E-03	6.1E-09	1.6E-01	1.4E-02	1.3E-11	1.5E+01	6.0E-07	1.0E-03	9.6E-09	1.6E-01	1.4E-02	2.1E-11	1.5E+01	1.2E-06
1.9E-07	1.0E-03	6.8E-09	1.6E-01	1.4E-02	1.5E-11	2.2E+01	6.0E-07	1.0E-03	1.4E-08	1.6E-01	1.4E-02	2.9E-11	2.2E+01	1.2E-06
1.9E-07	1.0E-03	7.0E-09	1.6E-01	1.4E-02	1.5E-11	3.2E+01	6.0E-07	1.0E-03	2.0E-08	1.6E-01	1.4E-02	4.3E-11	3.2E+01	1.2E-06
1.9E-07	1.0E-03	6.6E-09	1.6E-01	1.4E-02	1.4E-11	4.6E+01	6.0E-07	1.0E-03	2.9E-08	1.6E-01	1.4E-02	6.3E-11	4.6E+01	1.2E-06
1.9E-07	1.0E-03	6.1E-09	1.6E-01	1.4E-02	1.3E-11	4.7E+01	6.0E-07	1.0E-03	3.0E-08	1.6E-01	1.4E-02	6.4E-11	4.7E+01	1.2E-06
1.9E-07	1.0E-03	5.4E-09	1.6E-01	1.4E-02	1.2E-11	3.5E+01	6.0E-07	1.0E-03	2.2E-08	1.6E-01	1.4E-02	4.7E-11	3.5E+01	1.2E-06
1.9E-07	1.0E-03	4.8E-09	1.6E-01	1.4E-02	1.0E-11	2.6E+01	6.0E-07	1.0E-03	1.7E-08	1.6E-01	1.4E-02	3.6E-11	2.6E+01	1.2E-06
1.9E-07	1.0E-03	4.2E-09	1.6E-01	1.4E-02	9.1E-12	6.8E+01	6.0E-07	1.0E-03	4.3E-08	1.6E-01	1.4E-02	9.2E-11	6.8E+01	1.2E-06
1.9E-07	1.0E-03	3.7E-09	1.6E-01	1.4E-02	8.0E-12	5.2E+01	6.0E-07	1.0E-03	3.2E-08	1.6E-01	1.4E-02	7.0E-11	5.2E+01	1.2E-06
1.9E-07	1.0E-03	3.3E-09	1.6E-01	1.4E-02	7.1E-12	4.0E+01	6.0E-07	1.0E-03	2.5E-08	1.6E-01	1.4E-02	5.4E-11	4.0E+01	1.2E-06
1.9E-07	1.0E-03	2.9E-09	1.6E-01	1.4E-02	6.3E-12	3.2E+01	6.0E-07	1.0E-03	2.0E-08	1.6E-01	1.4E-02	4.3E-11	3.2E+01	1.2E-06
1.9E-07	1.0E-03	2.6E-09	1.6E-01	1.4E-02	5.6E-12	2.6E+01	6.0E-07	1.0E-03	1.6E-08	1.6E-01	1.4E-02	3.5E-11	2.6E+01	1.2E-06
1.9E-07	1.0E-03	2.3E-09	1.6E-01	1.4E-02	5.0E-12	2.1E+01	6.0E-07	1.0E-03	1.3E-08	1.6E-01	1.4E-02	2.9E-11	2.1E+01	1.2E-06
1.9E-07	1.0E-03	2.1E-09	1.6E-01	1.4E-02	4.5E-12	1.8E+01	6.0E-07	1.0E-03	1.1E-08	1.6E-01	1.4E-02	2.4E-11	1.8E+01	1.2E-06
1.9E-07	1.0E-03	1.9E-09	1.6E-01	1.4E-02	4.0E-12	1.5E+01	6.0E-07	1.0E-03	9.4E-09	1.6E-01	1.4E-02	2.0E-11	1.5E+01	1.2E-06
1.9E-07	1.0E-03	1.7E-09	1.6E-01	1.4E-02	3.6E-12	1.3E+01	6.0E-07	1.0E-03	8.0E-09	1.6E-01	1.4E-02	1.7E-11	1.3E+01	1.2E-06
1.9E-07	1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.3E-12	1.1E+01	6.0E-07	1.0E-03	6.9E-09	1.6E-01	1.4E-02	1.5E-11	1.1E+01	1.2E-06
1.9E-07	1.0E-03	1.4E-09	1.6E-01	1.4E-02	2.9E-12	9.6E+00	6.0E-07	1.0E-03	6.0E-09	1.6E-01	1.4E-02	1.3E-11	9.6E+00	1.2E-06
1.9E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.7E-12	8.4E+00	6.0E-07	1.0E-03	5.3E-09	1.6E-01	1.4E-02	1.1E-11	8.4E+00	1.2E-06
1.9E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.4E-12	7.4E+00	6.0E-07	1.0E-03	4.7E-09	1.6E-01	1.4E-02	1.0E-11	7.4E+00	1.2E-06
1.9E-07	1.0E-03	1.0E-09	1.6E-01	1.4E-02	2.2E-12	6.6E+00	6.0E-07	1.0E-03	4.2E-09	1.6E-01	1.4E-02	8.9E-12	6.6E+00	1.2E-06
1.9E-07	1.0E-03	9.5E-10	1.6E-01	1.4E-02	2.0E-12	5.9E+00	6.0E-07	1.0E-03	3.7E-09	1.6E-01	1.4E-02	8.0E-12	5.9E+00	1.2E-06
1.9E-07	1.0E-03	3.5E-09	1.6E-01	1.4E-02	7.5E-12	1.8E+01	6.0E-07	1.0E-03	1.1E-08	1.6E-01	1.4E-02	2.4E-11	1.8E+01	1.2E-06
1.9E-07	1.0E-03	4.5E-09	1.6E-01	1.4E-02	9.7E-12	2.5E+01	6.0E-07	1.0E-03	1.6E-08	1.6E-01	1.4E-02	3.4E-11	2.5E+01	1.2E-06
1.9E-07	1.0E-03	5.8E-09	1.6E-01	1.4E-02	1.3E-11	3.7E+01	6.0E-07	1.0E-03	2.3E-08	1.6E-01	1.4E-02	4.9E-11	3.7E+01	1.2E-06
1.9E-07	1.0E-03	7.6E-09	1.6E-01	1.4E-02	1.6E-11	5.7E+01	6.0E-07	1.0E-03	3.6E-08	1.6E-01	1.4E-02	7.7E-11	5.7E+01	1.2E-06
1.9E-07	1.0E-03	9.4E-09	1.6E-01	1.4E-02	2.0E-11	1.8E+01	6.0E-07	1.0E-03	1.1E-08	1.6E-01	1.4E-02	2.4E-11	1.8E+01	1.2E-06
1.9E-07	1.0E-03	1.1E-08	1.6E-01	1.4E-02	2.3E-11	2.7E+01	6.0E-07	1.0E-03	1.7E-08	1.6E-01	1.4E-02	3.7E-11	2.7E+01	1.2E-06
1.9E-07	1.0E-03	1.1E-08	1.6E-01	1.4E-02	2.3E-11	4.4E+01	6.0E-07	1.0E-03	2.7E-08	1.6E-01	1.4E-02	5.9E-11	4.4E+01	1.2E-06
1.9E-07	1.0E-03	9.3E-09	1.6E-01	1.4E-02	2.0E-11	0.0E+00	6.0E-07	1.0E-03	0.0E+00	1.6E-01	1.4E-02	0.0E+00	0.0E+00	1.2E-06
1.9E-07	1.0E-03	7.9E-09	1.6E-01	1.4E-02	1.7E-11	0.0E+00	6.0E-07	1.0E-03	0.0E+00	1.6E-01	1.4E-02	0.0E+00	0.0E+00	1.2E-06
1.9E-07	1.0E-03	6.7E-09	1.6E-01	1.4E-02	1.4E-11	4.3E+01	6.0E-07	1.0E-03	2.7E-08	1.6E-01	1.4E-02	5.9E-11	4.3E+01	1.2E-06
1.9E-07	1.0E-03	5.7E-09	1.6E-01	1.4E-02	1.2E-11	3.0E+01	6.0E-07	1.0E-03	1.9E-08	1.6E-01	1.4E-02	4.1E-11	3.0E+01	1.2E-06
1.9E-07	1.0E-03	4.9E-09	1.6E-01	1.4E-02	1.0E-11	2.2E+01	6.0E-07	1.0E-03	1.4E-08	1.6E-01	1.4E-02	3.0E-11	2.2E+01	1.2E-06
1.9E-07	1.0E-03	4.2E-09	1.6E-01	1.4E-02	9.0E-12	6.1E+01	6.0E-07	1.0E-03	3.9E-08	1.6E-01	1.4E-02	8.3E-11	6.1E+01	1.2E-06

1.9E-07	1.0E-03	3.6E-09	1.6E-01	1.4E-02	7.8E-12	4.4E+01	6.0E-07	1.0E-03	2.8E-08	1.6E-01	1.4E-02	6.0E-11	4.4E+01	1.2E-06
1.9E-07	1.0E-03	3.2E-09	1.6E-01	1.4E-02	6.8E-12	3.4E+01	6.0E-07	1.0E-03	2.1E-08	1.6E-01	1.4E-02	4.6E-11	3.4E+01	1.2E-06
1.9E-07	1.0E-03	2.8E-09	1.6E-01	1.4E-02	6.0E-12	2.7E+01	6.0E-07	1.0E-03	1.7E-08	1.6E-01	1.4E-02	3.6E-11	2.7E+01	1.2E-06
1.9E-07	1.0E-03	2.5E-09	1.6E-01	1.4E-02	5.3E-12	2.2E+01	6.0E-07	1.0E-03	1.4E-08	1.6E-01	1.4E-02	2.9E-11	2.2E+01	1.2E-06
1.9E-07	1.0E-03	2.2E-09	1.6E-01	1.4E-02	4.7E-12	1.8E+01	6.0E-07	1.0E-03	1.1E-08	1.6E-01	1.4E-02	2.4E-11	1.8E+01	1.2E-06
1.9E-07	1.0E-03	1.9E-09	1.6E-01	1.4E-02	4.2E-12	1.5E+01	6.0E-07	1.0E-03	9.4E-09	1.6E-01	1.4E-02	2.0E-11	1.5E+01	1.2E-06
1.9E-07	1.0E-03	1.7E-09	1.6E-01	1.4E-02	3.7E-12	1.3E+01	6.0E-07	1.0E-03	7.9E-09	1.6E-01	1.4E-02	1.7E-11	1.3E+01	1.2E-06
1.9E-07	1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.3E-12	1.1E+01	6.0E-07	1.0E-03	6.8E-09	1.6E-01	1.4E-02	1.5E-11	1.1E+01	1.2E-06
1.9E-07	1.0E-03	1.4E-09	1.6E-01	1.4E-02	3.0E-12	9.4E+00	6.0E-07	1.0E-03	5.9E-09	1.6E-01	1.4E-02	1.3E-11	9.4E+00	1.2E-06
1.9E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.7E-12	8.2E+00	6.0E-07	1.0E-03	5.2E-09	1.6E-01	1.4E-02	1.1E-11	8.2E+00	1.2E-06
1.9E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.4E-12	7.3E+00	6.0E-07	1.0E-03	4.6E-09	1.6E-01	1.4E-02	9.8E-12	7.3E+00	1.2E-06
1.9E-07	1.0E-03	1.0E-09	1.6E-01	1.4E-02	2.2E-12	6.5E+00	6.0E-07	1.0E-03	4.1E-09	1.6E-01	1.4E-02	8.7E-12	6.5E+00	1.2E-06
1.9E-07	1.0E-03	9.4E-10	1.6E-01	1.4E-02	2.0E-12	5.8E+00	6.0E-07	1.0E-03	3.6E-09	1.6E-01	1.4E-02	7.8E-12	5.8E+00	1.2E-06
1.9E-07	1.0E-03	4.2E-09	1.6E-01	1.4E-02	9.1E-12	1.9E+01	6.0E-07	1.0E-03	1.2E-08	1.6E-01	1.4E-02	2.6E-11	1.9E+01	1.2E-06
1.9E-07	1.0E-03	5.7E-09	1.6E-01	1.4E-02	1.2E-11	2.7E+01	6.0E-07	1.0E-03	1.7E-08	1.6E-01	1.4E-02	3.7E-11	2.7E+01	1.2E-06
1.9E-07	1.0E-03	8.0E-09	1.6E-01	1.4E-02	1.7E-11	4.1E+01	6.0E-07	1.0E-03	2.6E-08	1.6E-01	1.4E-02	5.6E-11	4.1E+01	1.2E-06
1.9E-07	1.0E-03	1.1E-08	1.6E-01	1.4E-02	2.4E-11	1.3E+01	6.0E-07	1.0E-03	8.2E-09	1.6E-01	1.4E-02	1.8E-11	1.3E+01	1.2E-06
1.9E-07	1.0E-03	4.5E-09	1.6E-01	1.4E-02	9.6E-12	2.0E+01	6.0E-07	1.0E-03	1.2E-08	1.6E-01	1.4E-02	2.7E-11	2.0E+01	1.2E-06
1.9E-07	1.0E-03	4.9E-09	1.6E-01	1.4E-02	1.1E-11	3.1E+01	6.0E-07	1.0E-03	2.0E-08	1.6E-01	1.4E-02	4.2E-11	3.1E+01	1.2E-06
1.9E-07	1.0E-03	5.1E-09	1.6E-01	1.4E-02	1.1E-11	0.0E+00	6.0E-07	1.0E-03	0.0E+00	1.6E-01	1.4E-02	0.0E+00	0.0E+00	1.2E-06
1.9E-07	1.0E-03	1.4E-08	1.6E-01	1.4E-02	2.9E-11	0.0E+00	6.0E-07	1.0E-03	0.0E+00	1.6E-01	1.4E-02	0.0E+00	0.0E+00	1.2E-06
1.9E-07	1.0E-03	1.0E-08	1.6E-01	1.4E-02	2.2E-11	0.0E+00	6.0E-07	1.0E-03	0.0E+00	1.6E-01	1.4E-02	0.0E+00	0.0E+00	1.2E-06
1.9E-07	1.0E-03	8.1E-09	1.6E-01	1.4E-02	1.8E-11	5.0E+01	6.0E-07	1.0E-03	3.1E-08	1.6E-01	1.4E-02	6.7E-11	5.0E+01	1.2E-06
1.9E-07	1.0E-03	6.6E-09	1.6E-01	1.4E-02	1.4E-11	3.2E+01	6.0E-07	1.0E-03	2.0E-08	1.6E-01	1.4E-02	4.3E-11	3.2E+01	1.2E-06
1.9E-07	1.0E-03	5.5E-09	1.6E-01	1.4E-02	1.2E-11	2.3E+01	6.0E-07	1.0E-03	1.4E-08	1.6E-01	1.4E-02	3.1E-11	2.3E+01	1.2E-06
1.9E-07	1.0E-03	4.6E-09	1.6E-01	1.4E-02	1.0E-11	6.8E+01	6.0E-07	1.0E-03	4.3E-08	1.6E-01	1.4E-02	9.2E-11	6.8E+01	1.2E-06
1.9E-07	1.0E-03	3.9E-09	1.6E-01	1.4E-02	8.5E-12	4.6E+01	6.0E-07	1.0E-03	2.9E-08	1.6E-01	1.4E-02	6.3E-11	4.6E+01	1.2E-06
1.9E-07	1.0E-03	3.4E-09	1.6E-01	1.4E-02	7.3E-12	3.4E+01	6.0E-07	1.0E-03	2.2E-08	1.6E-01	1.4E-02	4.6E-11	3.4E+01	1.2E-06
1.9E-07	1.0E-03	2.9E-09	1.6E-01	1.4E-02	6.3E-12	2.7E+01	6.0E-07	1.0E-03	1.7E-08	1.6E-01	1.4E-02	3.6E-11	2.7E+01	1.2E-06
1.9E-07	1.0E-03	2.6E-09	1.6E-01	1.4E-02	5.5E-12	2.1E+01	6.0E-07	1.0E-03	1.3E-08	1.6E-01	1.4E-02	2.9E-11	2.1E+01	1.2E-06
1.9E-07	1.0E-03	2.2E-09	1.6E-01	1.4E-02	4.8E-12	1.8E+01	6.0E-07	1.0E-03	1.1E-08	1.6E-01	1.4E-02	2.4E-11	1.8E+01	1.2E-06
1.9E-07	1.0E-03	2.0E-09	1.6E-01	1.4E-02	4.2E-12	1.5E+01	6.0E-07	1.0E-03	9.2E-09	1.6E-01	1.4E-02	2.0E-11	1.5E+01	1.2E-06
1.9E-07	1.0E-03	1.7E-09	1.6E-01	1.4E-02	3.8E-12	1.2E+01	6.0E-07	1.0E-03	7.8E-09	1.6E-01	1.4E-02	1.7E-11	1.2E+01	1.2E-06
1.9E-07	1.0E-03	1.6E-09	1.6E-01	1.4E-02	3.3E-12	1.1E+01	6.0E-07	1.0E-03	6.6E-09	1.6E-01	1.4E-02	1.4E-11	1.1E+01	1.2E-06
1.9E-07	1.0E-03	1.4E-09	1.6E-01	1.4E-02	3.0E-12	9.2E+00	6.0E-07	1.0E-03	5.7E-09	1.6E-01	1.4E-02	1.2E-11	9.2E+00	1.2E-06
1.9E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.7E-12	8.0E+00	6.0E-07	1.0E-03	5.0E-09	1.6E-01	1.4E-02	1.1E-11	8.0E+00	1.2E-06
1.9E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.4E-12	7.0E+00	6.0E-07	1.0E-03	4.4E-09	1.6E-01	1.4E-02	9.5E-12	7.0E+00	1.2E-06
1.9E-07	1.0E-03	1.0E-09	1.6E-01	1.4E-02	2.2E-12	6.3E+00	6.0E-07	1.0E-03	3.9E-09	1.6E-01	1.4E-02	8.5E-12	6.3E+00	1.2E-06
1.9E-07	1.0E-03	9.4E-10	1.6E-01	1.4E-02	2.0E-12	5.6E+00	6.0E-07	1.0E-03	3.5E-09	1.6E-01	1.4E-02	7.6E-12	5.6E+00	1.2E-06
1.9E-07	1.0E-03	5.0E-09	1.6E-01	1.4E-02	1.1E-11	1.9E+01	6.0E-07	1.0E-03	1.2E-08	1.6E-01	1.4E-02	2.6E-11	1.9E+01	1.2E-06
1.9E-07	1.0E-03	7.1E-09	1.6E-01	1.4E-02	1.5E-11	2.7E+01	6.0E-07	1.0E-03	1.7E-08	1.6E-01	1.4E-02	3.7E-11	2.7E+01	1.2E-06
1.9E-07	1.0E-03	1.1E-08	1.6E-01	1.4E-02	2.3E-11	4.2E+01	6.0E-07	1.0E-03	2.6E-08	1.6E-01	1.4E-02	5.6E-11	4.2E+01	1.2E-06
1.9E-07	1.0E-03	5.5E-09	1.6E-01	1.4E-02	1.2E-11	1.3E+01	6.0E-07	1.0E-03	8.3E-09	1.6E-01	1.4E-02	1.8E-11	1.3E+01	1.2E-06
1.9E-07	1.0E-03	6.8E-09	1.6E-01	1.4E-02	1.5E-11	2.0E+01	6.0E-07	1.0E-03	1.2E-08	1.6E-01	1.4E-02	2.7E-11	2.0E+01	1.2E-06
1.9E-07	1.0E-03	2.6E-09	1.6E-01	1.4E-02	5.6E-12	2.1E+01	6.0E-07	1.0E-03	1.3E-08	1.6E-01	1.4E-02	2.8E-11	2.1E+01	1.2E-06
1.9E-07	1.0E-03	2.3E-09	1.6E-01	1.4E-02	4.9E-12	1.7E+01	6.0E-07	1.0E-03	1.1E-08	1.6E-01	1.4E-02	2.3E-11	1.7E+01	1.2E-06
1.9E-07	1.0E-03	2.0E-09	1.6E-01	1.4E-02	4.3E-12	1.4E+01	6.0E-07	1.0E-03	8.8E-09	1.6E-01	1.4E-02	1.9E-11	1.4E+01	1.2E-06
1.9E-07	1.0E-03	1.8E-09	1.6E-01	1.4E-02	3.8E-12	1.2E+01	6.0E-07	1.0E-03	7.4E-09	1.6E-01	1.4E-02	1.6E-11	1.2E+01	1.2E-06
1.9E-07	1.0E-03	1.6E-09	1.6E-01	1.4E-02	3.3E-12	1.0E+01	6.0E-07	1.0E-03	6.4E-09	1.6E-01	1.4E-02	1.4E-11	1.0E+01	1.2E-06

1.9E-07	1.0E-03	1.4E-09	1.6E-01	1.4E-02	3.0E-12	8.8E+00	6.0E-07	1.0E-03	5.5E-09	1.6E-01	1.4E-02	1.2E-11	8.8E+00	1.2E-06
1.9E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.7E-12	7.7E+00	6.0E-07	1.0E-03	4.8E-09	1.6E-01	1.4E-02	1.0E-11	7.7E+00	1.2E-06
1.9E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.4E-12	6.8E+00	6.0E-07	1.0E-03	4.2E-09	1.6E-01	1.4E-02	9.1E-12	6.8E+00	1.2E-06
1.9E-07	1.0E-03	1.0E-09	1.6E-01	1.4E-02	2.2E-12	6.0E+00	6.0E-07	1.0E-03	3.8E-09	1.6E-01	1.4E-02	8.1E-12	6.0E+00	1.2E-06
1.9E-07	1.0E-03	9.2E-10	1.6E-01	1.4E-02	2.0E-12	5.4E+00	6.0E-07	1.0E-03	3.4E-09	1.6E-01	1.4E-02	7.3E-12	5.4E+00	1.2E-06
1.9E-07	1.0E-03	5.7E-09	1.6E-01	1.4E-02	1.2E-11	1.8E+01	6.0E-07	1.0E-03	1.1E-08	1.6E-01	1.4E-02	2.5E-11	1.8E+01	1.2E-06
1.9E-07	1.0E-03	8.3E-09	1.6E-01	1.4E-02	1.8E-11	2.6E+01	6.0E-07	1.0E-03	1.6E-08	1.6E-01	1.4E-02	3.4E-11	2.6E+01	1.2E-06
1.9E-07	1.0E-03	1.3E-08	1.6E-01	1.4E-02	2.8E-11	3.8E+01	6.0E-07	1.0E-03	2.4E-08	1.6E-01	1.4E-02	5.1E-11	3.8E+01	1.2E-06
1.9E-07	1.0E-03	8.4E-09	1.6E-01	1.4E-02	1.8E-11	1.2E+01	6.0E-07	1.0E-03	7.8E-09	1.6E-01	1.4E-02	1.7E-11	1.2E+01	1.2E-06
1.9E-07	1.0E-03	1.1E-08	1.6E-01	1.4E-02	2.4E-11	1.8E+01	6.0E-07	1.0E-03	1.2E-08	1.6E-01	1.4E-02	2.5E-11	1.8E+01	1.2E-06
1.9E-07	1.0E-03	2.6E-09	1.6E-01	1.4E-02	5.7E-12	1.9E+01	6.0E-07	1.0E-03	1.2E-08	1.6E-01	1.4E-02	2.6E-11	1.9E+01	1.2E-06
1.9E-07	1.0E-03	2.3E-09	1.6E-01	1.4E-02	4.9E-12	1.6E+01	6.0E-07	1.0E-03	9.9E-09	1.6E-01	1.4E-02	2.1E-11	1.6E+01	1.2E-06
1.9E-07	1.0E-03	2.0E-09	1.6E-01	1.4E-02	4.3E-12	1.3E+01	6.0E-07	1.0E-03	8.3E-09	1.6E-01	1.4E-02	1.8E-11	1.3E+01	1.2E-06
1.9E-07	1.0E-03	1.7E-09	1.6E-01	1.4E-02	3.7E-12	1.1E+01	6.0E-07	1.0E-03	7.0E-09	1.6E-01	1.4E-02	1.5E-11	1.1E+01	1.2E-06
1.9E-07	1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.3E-12	9.6E+00	6.0E-07	1.0E-03	6.0E-09	1.6E-01	1.4E-02	1.3E-11	9.6E+00	1.2E-06
1.9E-07	1.0E-03	1.4E-09	1.6E-01	1.4E-02	2.9E-12	8.3E+00	6.0E-07	1.0E-03	5.2E-09	1.6E-01	1.4E-02	1.1E-11	8.3E+00	1.2E-06
1.9E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.6E-12	7.3E+00	6.0E-07	1.0E-03	4.6E-09	1.6E-01	1.4E-02	9.8E-12	7.3E+00	1.2E-06
1.9E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.4E-12	6.4E+00	6.0E-07	1.0E-03	4.0E-09	1.6E-01	1.4E-02	8.7E-12	6.4E+00	1.2E-06
1.9E-07	1.0E-03	9.9E-10	1.6E-01	1.4E-02	2.1E-12	5.7E+00	6.0E-07	1.0E-03	3.6E-09	1.6E-01	1.4E-02	7.7E-12	5.7E+00	1.2E-06
1.9E-07	1.0E-03	9.0E-10	1.6E-01	1.4E-02	1.9E-12	5.1E+00	6.0E-07	1.0E-03	3.2E-09	1.6E-01	1.4E-02	6.9E-12	5.1E+00	1.2E-06
1.9E-07	1.0E-03	6.2E-09	1.6E-01	1.4E-02	1.3E-11	1.6E+01	6.0E-07	1.0E-03	1.0E-08	1.6E-01	1.4E-02	2.2E-11	1.6E+01	1.2E-06
1.9E-07	1.0E-03	9.0E-09	1.6E-01	1.4E-02	1.9E-11	2.2E+01	6.0E-07	1.0E-03	1.4E-08	1.6E-01	1.4E-02	3.0E-11	2.2E+01	1.2E-06
1.9E-07	1.0E-03	1.4E-08	1.6E-01	1.4E-02	3.1E-11	3.1E+01	6.0E-07	1.0E-03	1.9E-08	1.6E-01	1.4E-02	4.2E-11	3.1E+01	1.2E-06
1.9E-07	1.0E-03	3.3E-09	1.6E-01	1.4E-02	7.1E-12	4.5E+01	6.0E-07	1.0E-03	2.8E-08	1.6E-01	1.4E-02	6.1E-11	4.5E+01	1.2E-06
1.9E-07	1.0E-03	4.0E-09	1.6E-01	1.4E-02	8.7E-12	1.5E+01	6.0E-07	1.0E-03	9.6E-09	1.6E-01	1.4E-02	2.1E-11	1.5E+01	1.2E-06
1.9E-07	1.0E-03	2.6E-09	1.6E-01	1.4E-02	5.6E-12	1.7E+01	6.0E-07	1.0E-03	1.1E-08	1.6E-01	1.4E-02	2.3E-11	1.7E+01	1.2E-06
1.9E-07	1.0E-03	2.2E-09	1.6E-01	1.4E-02	4.8E-12	1.4E+01	6.0E-07	1.0E-03	9.0E-09	1.6E-01	1.4E-02	1.9E-11	1.4E+01	1.2E-06
1.9E-07	1.0E-03	2.0E-09	1.6E-01	1.4E-02	4.2E-12	1.2E+01	6.0E-07	1.0E-03	7.6E-09	1.6E-01	1.4E-02	1.6E-11	1.2E+01	1.2E-06
1.9E-07	1.0E-03	1.7E-09	1.6E-01	1.4E-02	3.7E-12	1.0E+01	6.0E-07	1.0E-03	6.5E-09	1.6E-01	1.4E-02	1.4E-11	1.0E+01	1.2E-06
1.9E-07	1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.2E-12	9.0E+00	6.0E-07	1.0E-03	5.6E-09	1.6E-01	1.4E-02	1.2E-11	9.0E+00	1.2E-06
1.9E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.9E-12	7.8E+00	6.0E-07	1.0E-03	4.9E-09	1.6E-01	1.4E-02	1.1E-11	7.8E+00	1.2E-06
1.9E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.6E-12	6.9E+00	6.0E-07	1.0E-03	4.3E-09	1.6E-01	1.4E-02	9.3E-12	6.9E+00	1.2E-06
1.9E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.3E-12	6.1E+00	6.0E-07	1.0E-03	3.8E-09	1.6E-01	1.4E-02	8.2E-12	6.1E+00	1.2E-06
1.9E-07	1.0E-03	9.6E-10	1.6E-01	1.4E-02	2.1E-12	5.4E+00	6.0E-07	1.0E-03	3.4E-09	1.6E-01	1.4E-02	7.3E-12	5.4E+00	1.2E-06
1.9E-07	1.0E-03	8.8E-10	1.6E-01	1.4E-02	1.9E-12	4.9E+00	6.0E-07	1.0E-03	3.0E-09	1.6E-01	1.4E-02	6.6E-12	4.9E+00	1.2E-06
1.9E-07	1.0E-03	6.4E-09	1.6E-01	1.4E-02	1.4E-11	1.5E+01	6.0E-07	1.0E-03	9.1E-09	1.6E-01	1.4E-02	2.0E-11	1.5E+01	1.2E-06
1.9E-07	1.0E-03	9.4E-09	1.6E-01	1.4E-02	2.0E-11	1.9E+01	6.0E-07	1.0E-03	1.2E-08	1.6E-01	1.4E-02	2.5E-11	1.9E+01	1.2E-06
1.9E-07	1.0E-03	1.5E-08	1.6E-01	1.4E-02	3.2E-11	2.5E+01	6.0E-07	1.0E-03	1.6E-08	1.6E-01	1.4E-02	3.3E-11	2.5E+01	1.2E-06
1.9E-07	1.0E-03	1.2E-08	1.6E-01	1.4E-02	2.7E-11	3.3E+01	6.0E-07	1.0E-03	2.1E-08	1.6E-01	1.4E-02	4.4E-11	3.3E+01	1.2E-06
1.9E-07	1.0E-03	6.7E-09	1.6E-01	1.4E-02	1.4E-11	4.4E+01	6.0E-07	1.0E-03	2.7E-08	1.6E-01	1.4E-02	5.9E-11	4.4E+01	1.2E-06
1.9E-07	1.0E-03	2.5E-09	1.6E-01	1.4E-02	5.5E-12	1.5E+01	6.0E-07	1.0E-03	9.6E-09	1.6E-01	1.4E-02	2.1E-11	1.5E+01	1.2E-06
1.9E-07	1.0E-03	2.2E-09	1.6E-01	1.4E-02	4.7E-12	1.3E+01	6.0E-07	1.0E-03	8.1E-09	1.6E-01	1.4E-02	1.8E-11	1.3E+01	1.2E-06
1.9E-07	1.0E-03	1.9E-09	1.6E-01	1.4E-02	4.1E-12	1.1E+01	6.0E-07	1.0E-03	7.0E-09	1.6E-01	1.4E-02	1.5E-11	1.1E+01	1.2E-06
1.9E-07	1.0E-03	1.7E-09	1.6E-01	1.4E-02	3.6E-12	9.6E+00	6.0E-07	1.0E-03	6.0E-09	1.6E-01	1.4E-02	1.3E-11	9.6E+00	1.2E-06
1.9E-07	1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.1E-12	8.3E+00	6.0E-07	1.0E-03	5.2E-09	1.6E-01	1.4E-02	1.1E-11	8.3E+00	1.2E-06
1.9E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.8E-12	7.3E+00	6.0E-07	1.0E-03	4.6E-09	1.6E-01	1.4E-02	9.8E-12	7.3E+00	1.2E-06
1.9E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.5E-12	6.4E+00	6.0E-07	1.0E-03	4.0E-09	1.6E-01	1.4E-02	8.7E-12	6.4E+00	1.2E-06
1.9E-07	1.0E-03	1.0E-09	1.6E-01	1.4E-02	2.2E-12	5.7E+00	6.0E-07	1.0E-03	3.6E-09	1.6E-01	1.4E-02	7.7E-12	5.7E+00	1.2E-06
1.9E-07	1.0E-03	9.3E-10	1.6E-01	1.4E-02	2.0E-12	5.1E+00	6.0E-07	1.0E-03	3.2E-09	1.6E-01	1.4E-02	6.9E-12	5.1E+00	1.2E-06

1.9E-07	1.0E-03	8.5E-10	1.6E-01	1.4E-02	1.8E-12	4.6E+00	6.0E-07	1.0E-03	2.9E-09	1.6E-01	1.4E-02	6.2E-12	4.6E+00	1.2E-06
1.9E-07	1.0E-03	6.3E-09	1.6E-01	1.4E-02	1.4E-11	1.3E+01	6.0E-07	1.0E-03	7.9E-09	1.6E-01	1.4E-02	1.7E-11	1.3E+01	1.2E-06
1.9E-07	1.0E-03	9.4E-09	1.6E-01	1.4E-02	2.0E-11	1.6E+01	6.0E-07	1.0E-03	9.8E-09	1.6E-01	1.4E-02	2.1E-11	1.6E+01	1.2E-06
1.9E-07	1.0E-03	1.5E-08	1.6E-01	1.4E-02	3.2E-11	2.0E+01	6.0E-07	1.0E-03	1.2E-08	1.6E-01	1.4E-02	2.6E-11	2.0E+01	1.2E-06
1.9E-07	1.0E-03	1.2E-08	1.6E-01	1.4E-02	2.7E-11	2.4E+01	6.0E-07	1.0E-03	1.5E-08	1.6E-01	1.4E-02	3.3E-11	2.4E+01	1.2E-06
1.9E-07	1.0E-03	5.9E-09	1.6E-01	1.4E-02	1.3E-11	3.0E+01	6.0E-07	1.0E-03	1.9E-08	1.6E-01	1.4E-02	4.1E-11	3.0E+01	1.2E-06
1.9E-07	1.0E-03	2.4E-09	1.6E-01	1.4E-02	5.2E-12	1.3E+01	6.0E-07	1.0E-03	8.4E-09	1.6E-01	1.4E-02	1.8E-11	1.3E+01	1.2E-06
1.9E-07	1.0E-03	2.1E-09	1.6E-01	1.4E-02	4.5E-12	1.2E+01	6.0E-07	1.0E-03	7.3E-09	1.6E-01	1.4E-02	1.6E-11	1.2E+01	1.2E-06
1.9E-07	1.0E-03	1.8E-09	1.6E-01	1.4E-02	3.9E-12	1.0E+01	6.0E-07	1.0E-03	6.3E-09	1.6E-01	1.4E-02	1.4E-11	1.0E+01	1.2E-06
1.9E-07	1.0E-03	1.6E-09	1.6E-01	1.4E-02	3.4E-12	8.7E+00	6.0E-07	1.0E-03	5.5E-09	1.6E-01	1.4E-02	1.2E-11	8.7E+00	1.2E-06
1.9E-07	1.0E-03	1.4E-09	1.6E-01	1.4E-02	3.0E-12	7.7E+00	6.0E-07	1.0E-03	4.8E-09	1.6E-01	1.4E-02	1.0E-11	7.7E+00	1.2E-06
1.9E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.7E-12	6.8E+00	6.0E-07	1.0E-03	4.2E-09	1.6E-01	1.4E-02	9.1E-12	6.8E+00	1.2E-06
1.9E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.4E-12	6.0E+00	6.0E-07	1.0E-03	3.8E-09	1.6E-01	1.4E-02	8.1E-12	6.0E+00	1.2E-06
1.9E-07	1.0E-03	9.9E-10	1.6E-01	1.4E-02	2.1E-12	5.3E+00	6.0E-07	1.0E-03	3.4E-09	1.6E-01	1.4E-02	7.2E-12	5.3E+00	1.2E-06
1.9E-07	1.0E-03	9.0E-10	1.6E-01	1.4E-02	1.9E-12	4.8E+00	6.0E-07	1.0E-03	3.0E-09	1.6E-01	1.4E-02	6.5E-12	4.8E+00	1.2E-06
1.9E-07	1.0E-03	8.1E-10	1.6E-01	1.4E-02	1.7E-12	4.3E+00	6.0E-07	1.0E-03	2.7E-09	1.6E-01	1.4E-02	5.8E-12	4.3E+00	1.2E-06
1.9E-07	1.0E-03	6.0E-09	1.6E-01	1.4E-02	1.3E-11	1.1E+01	6.0E-07	1.0E-03	6.7E-09	1.6E-01	1.4E-02	1.4E-11	1.1E+01	1.2E-06
1.9E-07	1.0E-03	8.9E-09	1.6E-01	1.4E-02	1.9E-11	1.3E+01	6.0E-07	1.0E-03	8.1E-09	1.6E-01	1.4E-02	1.7E-11	1.3E+01	1.2E-06
1.9E-07	1.0E-03	1.4E-08	1.6E-01	1.4E-02	3.0E-11	1.6E+01	6.0E-07	1.0E-03	9.9E-09	1.6E-01	1.4E-02	2.1E-11	1.6E+01	1.2E-06
1.9E-07	1.0E-03	3.0E-09	1.6E-01	1.4E-02	6.4E-12	1.9E+01	6.0E-07	1.0E-03	1.2E-08	1.6E-01	1.4E-02	2.5E-11	1.9E+01	1.2E-06
1.9E-07	1.0E-03	3.5E-09	1.6E-01	1.4E-02	7.6E-12	2.2E+01	6.0E-07	1.0E-03	1.4E-08	1.6E-01	1.4E-02	3.0E-11	2.2E+01	1.2E-06
1.9E-07	1.0E-03	2.3E-09	1.6E-01	1.4E-02	4.9E-12	1.2E+01	6.0E-07	1.0E-03	7.4E-09	1.6E-01	1.4E-02	1.6E-11	1.2E+01	1.2E-06
1.9E-07	1.0E-03	2.0E-09	1.6E-01	1.4E-02	4.3E-12	1.0E+01	6.0E-07	1.0E-03	6.5E-09	1.6E-01	1.4E-02	1.4E-11	1.0E+01	1.2E-06
1.9E-07	1.0E-03	1.7E-09	1.6E-01	1.4E-02	3.7E-12	9.0E+00	6.0E-07	1.0E-03	5.7E-09	1.6E-01	1.4E-02	1.2E-11	9.0E+00	1.2E-06
1.9E-07	1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.3E-12	7.9E+00	6.0E-07	1.0E-03	5.0E-09	1.6E-01	1.4E-02	1.1E-11	7.9E+00	1.2E-06
1.9E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.9E-12	7.0E+00	6.0E-07	1.0E-03	4.4E-09	1.6E-01	1.4E-02	9.5E-12	7.0E+00	1.2E-06
1.9E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.6E-12	6.2E+00	6.0E-07	1.0E-03	3.9E-09	1.6E-01	1.4E-02	8.4E-12	6.2E+00	1.2E-06
1.9E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.3E-12	5.6E+00	6.0E-07	1.0E-03	3.5E-09	1.6E-01	1.4E-02	7.5E-12	5.6E+00	1.2E-06
1.9E-07	1.0E-03	9.5E-10	1.6E-01	1.4E-02	2.1E-12	5.0E+00	6.0E-07	1.0E-03	3.1E-09	1.6E-01	1.4E-02	6.8E-12	5.0E+00	1.2E-06
1.9E-07	1.0E-03	8.6E-10	1.6E-01	1.4E-02	1.8E-12	4.5E+00	6.0E-07	1.0E-03	2.8E-09	1.6E-01	1.4E-02	6.1E-12	4.5E+00	1.2E-06
1.9E-07	1.0E-03	7.8E-10	1.6E-01	1.4E-02	1.7E-12	4.1E+00	6.0E-07	1.0E-03	2.6E-09	1.6E-01	1.4E-02	5.5E-12	4.1E+00	1.2E-06
1.9E-07	1.0E-03	5.5E-09	1.6E-01	1.4E-02	1.2E-11	9.1E+00	6.0E-07	1.0E-03	5.7E-09	1.6E-01	1.4E-02	1.2E-11	9.1E+00	1.2E-06
1.9E-07	1.0E-03	7.9E-09	1.6E-01	1.4E-02	1.7E-11	1.1E+01	6.0E-07	1.0E-03	6.7E-09	1.6E-01	1.4E-02	1.4E-11	1.1E+01	1.2E-06
1.9E-07	1.0E-03	1.2E-08	1.6E-01	1.4E-02	2.6E-11	1.3E+01	6.0E-07	1.0E-03	7.9E-09	1.6E-01	1.4E-02	1.7E-11	1.3E+01	1.2E-06
1.9E-07	1.0E-03	7.7E-09	1.6E-01	1.4E-02	1.7E-11	1.5E+01	6.0E-07	1.0E-03	9.3E-09	1.6E-01	1.4E-02	2.0E-11	1.5E+01	1.2E-06
1.9E-07	1.0E-03	1.0E-08	1.6E-01	1.4E-02	2.2E-11	1.7E+01	6.0E-07	1.0E-03	1.1E-08	1.6E-01	1.4E-02	2.3E-11	1.7E+01	1.2E-06
1.9E-07	1.0E-03	2.1E-09	1.6E-01	1.4E-02	4.6E-12	1.0E+01	6.0E-07	1.0E-03	6.5E-09	1.6E-01	1.4E-02	1.4E-11	1.0E+01	1.2E-06
1.9E-07	1.0E-03	1.9E-09	1.6E-01	1.4E-02	4.0E-12	9.1E+00	6.0E-07	1.0E-03	5.7E-09	1.6E-01	1.4E-02	1.2E-11	9.1E+00	1.2E-06
1.9E-07	1.0E-03	1.6E-09	1.6E-01	1.4E-02	3.5E-12	8.1E+00	6.0E-07	1.0E-03	5.1E-09	1.6E-01	1.4E-02	1.1E-11	8.1E+00	1.2E-06
1.9E-07	1.0E-03	1.4E-09	1.6E-01	1.4E-02	3.1E-12	7.2E+00	6.0E-07	1.0E-03	4.5E-09	1.6E-01	1.4E-02	9.8E-12	7.2E+00	1.2E-06
1.9E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.7E-12	6.4E+00	6.0E-07	1.0E-03	4.0E-09	1.6E-01	1.4E-02	8.7E-12	6.4E+00	1.2E-06
1.9E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.4E-12	5.8E+00	6.0E-07	1.0E-03	3.6E-09	1.6E-01	1.4E-02	7.8E-12	5.8E+00	1.2E-06
1.9E-07	1.0E-03	1.0E-09	1.6E-01	1.4E-02	2.2E-12	5.2E+00	6.0E-07	1.0E-03	3.3E-09	1.6E-01	1.4E-02	7.0E-12	5.2E+00	1.2E-06
1.9E-07	1.0E-03	9.1E-10	1.6E-01	1.4E-02	2.0E-12	4.7E+00	6.0E-07	1.0E-03	2.9E-09	1.6E-01	1.4E-02	6.3E-12	4.7E+00	1.2E-06
1.9E-07	1.0E-03	8.2E-10	1.6E-01	1.4E-02	1.8E-12	4.2E+00	6.0E-07	1.0E-03	2.7E-09	1.6E-01	1.4E-02	5.7E-12	4.2E+00	1.2E-06
1.9E-07	1.0E-03	7.4E-10	1.6E-01	1.4E-02	1.6E-12	3.9E+00	6.0E-07	1.0E-03	2.4E-09	1.6E-01	1.4E-02	5.2E-12	3.9E+00	1.2E-06
1.9E-07	1.0E-03	4.8E-09	1.6E-01	1.4E-02	1.0E-11	7.8E+00	6.0E-07	1.0E-03	4.9E-09	1.6E-01	1.4E-02	1.0E-11	7.8E+00	1.2E-06
1.9E-07	1.0E-03	6.7E-09	1.6E-01	1.4E-02	1.4E-11	9.0E+00	6.0E-07	1.0E-03	5.6E-09	1.6E-01	1.4E-02	1.2E-11	9.0E+00	1.2E-06
1.9E-07	1.0E-03	9.8E-09	1.6E-01	1.4E-02	2.1E-11	1.0E+01	6.0E-07	1.0E-03	6.5E-09	1.6E-01	1.4E-02	1.4E-11	1.0E+01	1.2E-06

1.9E-07	1.0E-03	5.1E-09	1.6E-01	1.4E-02	1.1E-11	1.2E+01	6.0E-07	1.0E-03	7.5E-09	1.6E-01	1.4E-02	1.6E-11	1.2E+01	1.2E-06
1.9E-07	1.0E-03	6.1E-09	1.6E-01	1.4E-02	1.3E-11	1.4E+01	6.0E-07	1.0E-03	8.6E-09	1.6E-01	1.4E-02	1.9E-11	1.4E+01	1.2E-06
1.9E-07	1.0E-03	2.0E-09	1.6E-01	1.4E-02	4.3E-12	9.1E+00	6.0E-07	1.0E-03	5.7E-09	1.6E-01	1.4E-02	1.2E-11	9.1E+00	1.2E-06
1.9E-07	1.0E-03	1.7E-09	1.6E-01	1.4E-02	3.7E-12	8.1E+00	6.0E-07	1.0E-03	5.1E-09	1.6E-01	1.4E-02	1.1E-11	8.1E+00	1.2E-06
1.9E-07	1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.3E-12	7.3E+00	6.0E-07	1.0E-03	4.6E-09	1.6E-01	1.4E-02	9.9E-12	7.3E+00	1.2E-06
1.9E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.9E-12	6.6E+00	6.0E-07	1.0E-03	4.1E-09	1.6E-01	1.4E-02	8.9E-12	6.6E+00	1.2E-06
1.9E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.6E-12	5.9E+00	6.0E-07	1.0E-03	3.7E-09	1.6E-01	1.4E-02	8.0E-12	5.9E+00	1.2E-06
1.9E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.3E-12	5.3E+00	6.0E-07	1.0E-03	3.4E-09	1.6E-01	1.4E-02	7.2E-12	5.3E+00	1.2E-06
1.9E-07	1.0E-03	9.5E-10	1.6E-01	1.4E-02	2.1E-12	4.8E+00	6.0E-07	1.0E-03	3.0E-09	1.6E-01	1.4E-02	6.5E-12	4.8E+00	1.2E-06
1.9E-07	1.0E-03	8.6E-10	1.6E-01	1.4E-02	1.9E-12	4.4E+00	6.0E-07	1.0E-03	2.8E-09	1.6E-01	1.4E-02	5.9E-12	4.4E+00	1.2E-06
1.9E-07	1.0E-03	7.8E-10	1.6E-01	1.4E-02	1.7E-12	4.0E+00	6.0E-07	1.0E-03	2.5E-09	1.6E-01	1.4E-02	5.4E-12	4.0E+00	1.2E-06
1.9E-07	1.0E-03	7.1E-10	1.6E-01	1.4E-02	1.5E-12	3.6E+00	6.0E-07	1.0E-03	2.3E-09	1.6E-01	1.4E-02	4.9E-12	3.6E+00	1.2E-06
1.9E-07	1.0E-03	4.1E-09	1.6E-01	1.4E-02	8.7E-12	6.7E+00	6.0E-07	1.0E-03	4.2E-09	1.6E-01	1.4E-02	9.1E-12	6.7E+00	1.2E-06
1.9E-07	1.0E-03	5.4E-09	1.6E-01	1.4E-02	1.2E-11	7.7E+00	6.0E-07	1.0E-03	4.8E-09	1.6E-01	1.4E-02	1.0E-11	7.7E+00	1.2E-06
1.9E-07	1.0E-03	7.5E-09	1.6E-01	1.4E-02	1.6E-11	8.8E+00	6.0E-07	1.0E-03	5.5E-09	1.6E-01	1.4E-02	1.2E-11	8.8E+00	1.2E-06
1.9E-07	1.0E-03	1.1E-08	1.6E-01	1.4E-02	2.3E-11	1.0E+01	6.0E-07	1.0E-03	6.3E-09	1.6E-01	1.4E-02	1.3E-11	1.0E+01	1.2E-06
1.9E-07	1.0E-03	4.1E-09	1.6E-01	1.4E-02	8.7E-12	1.1E+01	6.0E-07	1.0E-03	7.0E-09	1.6E-01	1.4E-02	1.5E-11	1.1E+01	1.2E-06
1.9E-07	1.0E-03	1.8E-09	1.6E-01	1.4E-02	3.9E-12	8.0E+00	6.0E-07	1.0E-03	5.0E-09	1.6E-01	1.4E-02	1.1E-11	8.0E+00	1.2E-06
1.9E-07	1.0E-03	1.6E-09	1.6E-01	1.4E-02	3.4E-12	7.3E+00	6.0E-07	1.0E-03	4.6E-09	1.6E-01	1.4E-02	9.8E-12	7.3E+00	1.2E-06
1.9E-07	1.0E-03	1.4E-09	1.6E-01	1.4E-02	3.0E-12	6.6E+00	6.0E-07	1.0E-03	4.1E-09	1.6E-01	1.4E-02	8.9E-12	6.6E+00	1.2E-06
1.9E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.7E-12	6.0E+00	6.0E-07	1.0E-03	3.8E-09	1.6E-01	1.4E-02	8.1E-12	6.0E+00	1.2E-06
1.9E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.4E-12	5.4E+00	6.0E-07	1.0E-03	3.4E-09	1.6E-01	1.4E-02	7.3E-12	5.4E+00	1.2E-06
1.9E-07	1.0E-03	1.0E-09	1.6E-01	1.4E-02	2.1E-12	4.9E+00	6.0E-07	1.0E-03	3.1E-09	1.6E-01	1.4E-02	6.7E-12	4.9E+00	1.2E-06
1.9E-07	1.0E-03	9.0E-10	1.6E-01	1.4E-02	1.9E-12	4.5E+00	6.0E-07	1.0E-03	2.8E-09	1.6E-01	1.4E-02	6.1E-12	4.5E+00	1.2E-06
1.9E-07	1.0E-03	8.2E-10	1.6E-01	1.4E-02	1.8E-12	4.1E+00	6.0E-07	1.0E-03	2.6E-09	1.6E-01	1.4E-02	5.5E-12	4.1E+00	1.2E-06
1.9E-07	1.0E-03	7.4E-10	1.6E-01	1.4E-02	1.6E-12	3.8E+00	6.0E-07	1.0E-03	2.4E-09	1.6E-01	1.4E-02	5.1E-12	3.8E+00	1.2E-06
1.9E-07	1.0E-03	6.8E-10	1.6E-01	1.4E-02	1.5E-12	3.4E+00	6.0E-07	1.0E-03	2.2E-09	1.6E-01	1.4E-02	4.6E-12	3.4E+00	1.2E-06
1.9E-07	1.0E-03	3.4E-09	1.6E-01	1.4E-02	7.2E-12	5.9E+00	6.0E-07	1.0E-03	3.7E-09	1.6E-01	1.4E-02	7.9E-12	5.9E+00	1.2E-06
1.9E-07	1.0E-03	4.3E-09	1.6E-01	1.4E-02	9.2E-12	6.6E+00	6.0E-07	1.0E-03	4.1E-09	1.6E-01	1.4E-02	8.9E-12	6.6E+00	1.2E-06
1.9E-07	1.0E-03	5.5E-09	1.6E-01	1.4E-02	1.2E-11	7.4E+00	6.0E-07	1.0E-03	4.6E-09	1.6E-01	1.4E-02	1.0E-11	7.4E+00	1.2E-06
1.9E-07	1.0E-03	7.1E-09	1.6E-01	1.4E-02	1.5E-11	8.3E+00	6.0E-07	1.0E-03	5.2E-09	1.6E-01	1.4E-02	1.1E-11	8.3E+00	1.2E-06
1.9E-07	1.0E-03	8.4E-09	1.6E-01	1.4E-02	1.8E-11	9.2E+00	6.0E-07	1.0E-03	5.8E-09	1.6E-01	1.4E-02	1.2E-11	9.2E+00	1.2E-06
1.9E-07	1.0E-03	1.7E-09	1.6E-01	1.4E-02	3.6E-12	7.1E+00	6.0E-07	1.0E-03	4.5E-09	1.6E-01	1.4E-02	9.7E-12	7.1E+00	1.2E-06
1.9E-07	1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.2E-12	6.6E+00	6.0E-07	1.0E-03	4.1E-09	1.6E-01	1.4E-02	8.9E-12	6.6E+00	1.2E-06
1.9E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.8E-12	6.0E+00	6.0E-07	1.0E-03	3.8E-09	1.6E-01	1.4E-02	8.1E-12	6.0E+00	1.2E-06
1.9E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.5E-12	5.5E+00	6.0E-07	1.0E-03	3.4E-09	1.6E-01	1.4E-02	7.4E-12	5.5E+00	1.2E-06
1.9E-07	1.0E-03	1.0E-09	1.6E-01	1.4E-02	2.2E-12	5.0E+00	6.0E-07	1.0E-03	3.1E-09	1.6E-01	1.4E-02	6.8E-12	5.0E+00	1.2E-06
1.9E-07	1.0E-03	9.4E-10	1.6E-01	1.4E-02	2.0E-12	4.6E+00	6.0E-07	1.0E-03	2.9E-09	1.6E-01	1.4E-02	6.2E-12	4.6E+00	1.2E-06
1.9E-07	1.0E-03	8.5E-10	1.6E-01	1.4E-02	1.8E-12	4.2E+00	6.0E-07	1.0E-03	2.6E-09	1.6E-01	1.4E-02	5.7E-12	4.2E+00	1.2E-06
1.9E-07	1.0E-03	7.7E-10	1.6E-01	1.4E-02	1.7E-12	3.8E+00	6.0E-07	1.0E-03	2.4E-09	1.6E-01	1.4E-02	5.2E-12	3.8E+00	1.2E-06
1.9E-07	1.0E-03	7.0E-10	1.6E-01	1.4E-02	1.5E-12	3.5E+00	6.0E-07	1.0E-03	2.2E-09	1.6E-01	1.4E-02	4.8E-12	3.5E+00	1.2E-06
1.9E-07	1.0E-03	6.4E-10	1.6E-01	1.4E-02	1.4E-12	3.2E+00	6.0E-07	1.0E-03	2.0E-09	1.6E-01	1.4E-02	4.4E-12	3.2E+00	1.2E-06
1.9E-07	1.0E-03	2.8E-09	1.6E-01	1.4E-02	6.0E-12	5.2E+00	6.0E-07	1.0E-03	3.2E-09	1.6E-01	1.4E-02	7.0E-12	5.2E+00	1.2E-06
1.9E-07	1.0E-03	3.4E-09	1.6E-01	1.4E-02	7.3E-12	5.8E+00	6.0E-07	1.0E-03	3.6E-09	1.6E-01	1.4E-02	7.8E-12	5.8E+00	1.2E-06
1.9E-07	1.0E-03	4.2E-09	1.6E-01	1.4E-02	9.0E-12	6.4E+00	6.0E-07	1.0E-03	4.0E-09	1.6E-01	1.4E-02	8.7E-12	6.4E+00	1.2E-06
1.9E-07	1.0E-03	5.0E-09	1.6E-01	1.4E-02	1.1E-11	7.1E+00	6.0E-07	1.0E-03	4.4E-09	1.6E-01	1.4E-02	9.6E-12	7.1E+00	1.2E-06
1.9E-07	1.0E-03	5.6E-09	1.6E-01	1.4E-02	1.2E-11	7.8E+00	6.0E-07	1.0E-03	4.9E-09	1.6E-01	1.4E-02	1.0E-11	7.8E+00	1.2E-06
1.9E-07	1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.2E-12	6.4E+00	6.0E-07	1.0E-03	4.0E-09	1.6E-01	1.4E-02	8.6E-12	6.4E+00	1.2E-06
1.9E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.9E-12	5.9E+00	6.0E-07	1.0E-03	3.7E-09	1.6E-01	1.4E-02	8.0E-12	5.9E+00	1.2E-06

1.9E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.6E-12	5.4E+00	6.0E-07	1.0E-03	3.4E-09	1.6E-01	1.4E-02	7.3E-12	5.4E+00	1.2E-06
1.9E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.3E-12	5.0E+00	6.0E-07	1.0E-03	3.1E-09	1.6E-01	1.4E-02	6.7E-12	5.0E+00	1.2E-06
1.9E-07	1.0E-03	9.6E-10	1.6E-01	1.4E-02	2.1E-12	4.6E+00	6.0E-07	1.0E-03	2.9E-09	1.6E-01	1.4E-02	6.2E-12	4.6E+00	1.2E-06
1.9E-07	1.0E-03	8.7E-10	1.6E-01	1.4E-02	1.9E-12	4.2E+00	6.0E-07	1.0E-03	2.6E-09	1.6E-01	1.4E-02	5.7E-12	4.2E+00	1.2E-06
1.9E-07	1.0E-03	7.9E-10	1.6E-01	1.4E-02	1.7E-12	3.9E+00	6.0E-07	1.0E-03	2.4E-09	1.6E-01	1.4E-02	5.3E-12	3.9E+00	1.2E-06
1.9E-07	1.0E-03	7.3E-10	1.6E-01	1.4E-02	1.6E-12	3.6E+00	6.0E-07	1.0E-03	2.3E-09	1.6E-01	1.4E-02	4.9E-12	3.6E+00	1.2E-06
1.9E-07	1.0E-03	6.6E-10	1.6E-01	1.4E-02	1.4E-12	3.3E+00	6.0E-07	1.0E-03	2.1E-09	1.6E-01	1.4E-02	4.5E-12	3.3E+00	1.2E-06
1.9E-07	1.0E-03	6.1E-10	1.6E-01	1.4E-02	1.3E-12	3.0E+00	6.0E-07	1.0E-03	1.9E-09	1.6E-01	1.4E-02	4.1E-12	3.0E+00	1.2E-06
1.9E-07	1.0E-03	2.3E-09	1.6E-01	1.4E-02	4.9E-12	4.6E+00	6.0E-07	1.0E-03	2.9E-09	1.6E-01	1.4E-02	6.2E-12	4.6E+00	1.2E-06
1.9E-07	1.0E-03	2.7E-09	1.6E-01	1.4E-02	5.9E-12	5.1E+00	6.0E-07	1.0E-03	3.2E-09	1.6E-01	1.4E-02	6.8E-12	5.1E+00	1.2E-06
1.9E-07	1.0E-03	3.2E-09	1.6E-01	1.4E-02	6.9E-12	5.6E+00	6.0E-07	1.0E-03	3.5E-09	1.6E-01	1.4E-02	7.6E-12	5.6E+00	1.2E-06
1.9E-07	1.0E-03	3.6E-09	1.6E-01	1.4E-02	7.8E-12	6.1E+00	6.0E-07	1.0E-03	3.8E-09	1.6E-01	1.4E-02	8.3E-12	6.1E+00	1.2E-06
1.9E-07	1.0E-03	4.0E-09	1.6E-01	1.4E-02	8.5E-12	6.6E+00	6.0E-07	1.0E-03	4.1E-09	1.6E-01	1.4E-02	8.9E-12	6.6E+00	1.2E-06
1.9E-07	1.0E-03	1.4E-09	1.6E-01	1.4E-02	3.0E-12	5.7E+00	6.0E-07	1.0E-03	3.6E-09	1.6E-01	1.4E-02	7.7E-12	5.7E+00	1.2E-06
1.9E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.6E-12	5.3E+00	6.0E-07	1.0E-03	3.3E-09	1.6E-01	1.4E-02	7.2E-12	5.3E+00	1.2E-06
1.9E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.4E-12	4.9E+00	6.0E-07	1.0E-03	3.1E-09	1.6E-01	1.4E-02	6.7E-12	4.9E+00	1.2E-06
1.9E-07	1.0E-03	9.9E-10	1.6E-01	1.4E-02	2.1E-12	4.6E+00	6.0E-07	1.0E-03	2.9E-09	1.6E-01	1.4E-02	6.2E-12	4.6E+00	1.2E-06
1.9E-07	1.0E-03	8.9E-10	1.6E-01	1.4E-02	1.9E-12	4.2E+00	6.0E-07	1.0E-03	2.6E-09	1.6E-01	1.4E-02	5.6E-12	4.2E+00	1.2E-06
1.9E-07	1.0E-03	8.0E-10	1.6E-01	1.4E-02	1.7E-12	3.8E+00	6.0E-07	1.0E-03	2.4E-09	1.6E-01	1.4E-02	5.2E-12	3.8E+00	1.2E-06
1.9E-07	1.0E-03	7.3E-10	1.6E-01	1.4E-02	1.6E-12	3.6E+00	6.0E-07	1.0E-03	2.2E-09	1.6E-01	1.4E-02	4.8E-12	3.6E+00	1.2E-06
1.9E-07	1.0E-03	6.7E-10	1.6E-01	1.4E-02	1.4E-12	3.3E+00	6.0E-07	1.0E-03	2.1E-09	1.6E-01	1.4E-02	4.5E-12	3.3E+00	1.2E-06
1.9E-07	1.0E-03	6.2E-10	1.6E-01	1.4E-02	1.3E-12	3.1E+00	6.0E-07	1.0E-03	1.9E-09	1.6E-01	1.4E-02	4.1E-12	3.1E+00	1.2E-06
1.9E-07	1.0E-03	5.7E-10	1.6E-01	1.4E-02	1.2E-12	2.8E+00	6.0E-07	1.0E-03	1.8E-09	1.6E-01	1.4E-02	3.8E-12	2.8E+00	1.2E-06
1.9E-07	1.0E-03	1.9E-09	1.6E-01	1.4E-02	4.1E-12	4.1E+00	6.0E-07	1.0E-03	2.6E-09	1.6E-01	1.4E-02	5.5E-12	4.1E+00	1.2E-06
1.9E-07	1.0E-03	2.2E-09	1.6E-01	1.4E-02	4.8E-12	4.5E+00	6.0E-07	1.0E-03	2.8E-09	1.6E-01	1.4E-02	6.1E-12	4.5E+00	1.2E-06
1.9E-07	1.0E-03	2.5E-09	1.6E-01	1.4E-02	5.4E-12	4.9E+00	6.0E-07	1.0E-03	3.1E-09	1.6E-01	1.4E-02	6.6E-12	4.9E+00	1.2E-06
1.9E-07	1.0E-03	2.8E-09	1.6E-01	1.4E-02	6.0E-12	5.3E+00	6.0E-07	1.0E-03	3.3E-09	1.6E-01	1.4E-02	7.2E-12	5.3E+00	1.2E-06
1.9E-07	1.0E-03	3.0E-09	1.6E-01	1.4E-02	6.5E-12	5.7E+00	6.0E-07	1.0E-03	3.6E-09	1.6E-01	1.4E-02	7.7E-12	5.7E+00	1.2E-06
1.9E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.4E-12	4.9E+00	6.0E-07	1.0E-03	3.0E-09	1.6E-01	1.4E-02	6.6E-12	4.9E+00	1.2E-06
1.9E-07	1.0E-03	1.0E-09	1.6E-01	1.4E-02	2.2E-12	4.5E+00	6.0E-07	1.0E-03	2.8E-09	1.6E-01	1.4E-02	6.1E-12	4.5E+00	1.2E-06
1.9E-07	1.0E-03	9.2E-10	1.6E-01	1.4E-02	2.0E-12	4.2E+00	6.0E-07	1.0E-03	2.6E-09	1.6E-01	1.4E-02	5.7E-12	4.2E+00	1.2E-06
1.9E-07	1.0E-03	8.1E-10	1.6E-01	1.4E-02	1.7E-12	3.8E+00	6.0E-07	1.0E-03	2.4E-09	1.6E-01	1.4E-02	5.1E-12	3.8E+00	1.2E-06
1.9E-07	1.0E-03	7.3E-10	1.6E-01	1.4E-02	1.6E-12	3.5E+00	6.0E-07	1.0E-03	2.2E-09	1.6E-01	1.4E-02	4.7E-12	3.5E+00	1.2E-06
1.9E-07	1.0E-03	6.7E-10	1.6E-01	1.4E-02	1.4E-12	3.2E+00	6.0E-07	1.0E-03	2.0E-09	1.6E-01	1.4E-02	4.4E-12	3.2E+00	1.2E-06
1.9E-07	1.0E-03	6.2E-10	1.6E-01	1.4E-02	1.3E-12	3.0E+00	6.0E-07	1.0E-03	1.9E-09	1.6E-01	1.4E-02	4.1E-12	3.0E+00	1.2E-06
1.9E-07	1.0E-03	5.7E-10	1.6E-01	1.4E-02	1.2E-12	2.8E+00	6.0E-07	1.0E-03	1.8E-09	1.6E-01	1.4E-02	3.8E-12	2.8E+00	1.2E-06
1.9E-07	1.0E-03	5.3E-10	1.6E-01	1.4E-02	1.1E-12	2.6E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	1.4E-02	3.6E-12	2.6E+00	1.2E-06
1.9E-07	1.0E-03	1.6E-09	1.6E-01	1.4E-02	3.5E-12	3.7E+00	6.0E-07	1.0E-03	2.3E-09	1.6E-01	1.4E-02	5.0E-12	3.7E+00	1.2E-06
1.9E-07	1.0E-03	1.8E-09	1.6E-01	1.4E-02	4.0E-12	4.0E+00	6.0E-07	1.0E-03	2.5E-09	1.6E-01	1.4E-02	5.4E-12	4.0E+00	1.2E-06
1.9E-07	1.0E-03	2.0E-09	1.6E-01	1.4E-02	4.4E-12	4.3E+00	6.0E-07	1.0E-03	2.7E-09	1.6E-01	1.4E-02	5.9E-12	4.3E+00	1.2E-06
1.9E-07	1.0E-03	2.2E-09	1.6E-01	1.4E-02	4.8E-12	4.7E+00	6.0E-07	1.0E-03	2.9E-09	1.6E-01	1.4E-02	6.3E-12	4.7E+00	1.2E-06
1.9E-07	1.0E-03	2.4E-09	1.6E-01	1.4E-02	5.1E-12	5.0E+00	6.0E-07	1.0E-03	3.1E-09	1.6E-01	1.4E-02	6.7E-12	5.0E+00	1.2E-06
1.9E-07	1.0E-03	9.5E-10	1.6E-01	1.4E-02	2.0E-12	4.2E+00	6.0E-07	1.0E-03	2.6E-09	1.6E-01	1.4E-02	5.6E-12	4.2E+00	1.2E-06
1.9E-07	1.0E-03	8.6E-10	1.6E-01	1.4E-02	1.9E-12	3.9E+00	6.0E-07	1.0E-03	2.4E-09	1.6E-01	1.4E-02	5.3E-12	3.9E+00	1.2E-06
1.9E-07	1.0E-03	7.8E-10	1.6E-01	1.4E-02	1.7E-12	3.6E+00	6.0E-07	1.0E-03	2.2E-09	1.6E-01	1.4E-02	4.8E-12	3.6E+00	1.2E-06
1.9E-07	1.0E-03	7.1E-10	1.6E-01	1.4E-02	1.5E-12	3.3E+00	6.0E-07	1.0E-03	2.1E-09	1.6E-01	1.4E-02	4.5E-12	3.3E+00	1.2E-06
1.9E-07	1.0E-03	6.5E-10	1.6E-01	1.4E-02	1.4E-12	3.1E+00	6.0E-07	1.0E-03	1.9E-09	1.6E-01	1.4E-02	4.2E-12	3.1E+00	1.2E-06
1.9E-07	1.0E-03	5.9E-10	1.6E-01	1.4E-02	1.3E-12	2.9E+00	6.0E-07	1.0E-03	1.8E-09	1.6E-01	1.4E-02	3.9E-12	2.9E+00	1.2E-06
1.9E-07	1.0E-03	5.4E-10	1.6E-01	1.4E-02	1.2E-12	2.7E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	1.4E-02	3.6E-12	2.7E+00	1.2E-06

1.9E-07	1.0E-03	5.0E-10	1.6E-01	1.4E-02	1.1E-12	2.5E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.3E-12	2.5E+00	1.2E-06
1.9E-07	1.0E-03	1.4E-09	1.6E-01	1.4E-02	3.0E-12	3.3E+00	6.0E-07	1.0E-03	2.1E-09	1.6E-01	1.4E-02	4.5E-12	3.3E+00	1.2E-06
1.9E-07	1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.3E-12	3.6E+00	6.0E-07	1.0E-03	2.3E-09	1.6E-01	1.4E-02	4.9E-12	3.6E+00	1.2E-06
1.9E-07	1.0E-03	1.7E-09	1.6E-01	1.4E-02	3.6E-12	3.9E+00	6.0E-07	1.0E-03	2.4E-09	1.6E-01	1.4E-02	5.2E-12	3.9E+00	1.2E-06
1.9E-07	1.0E-03	1.8E-09	1.6E-01	1.4E-02	3.9E-12	4.1E+00	6.0E-07	1.0E-03	2.6E-09	1.6E-01	1.4E-02	5.6E-12	4.1E+00	1.2E-06
1.9E-07	1.0E-03	1.9E-09	1.6E-01	1.4E-02	4.1E-12	4.4E+00	6.0E-07	1.0E-03	2.8E-09	1.6E-01	1.4E-02	5.9E-12	4.4E+00	1.2E-06
1.9E-07	1.0E-03	8.1E-10	1.6E-01	1.4E-02	1.8E-12	3.6E+00	6.0E-07	1.0E-03	2.3E-09	1.6E-01	1.4E-02	4.9E-12	3.6E+00	1.2E-06
1.9E-07	1.0E-03	7.5E-10	1.6E-01	1.4E-02	1.6E-12	3.4E+00	6.0E-07	1.0E-03	2.1E-09	1.6E-01	1.4E-02	4.6E-12	3.4E+00	1.2E-06
1.9E-07	1.0E-03	6.9E-10	1.6E-01	1.4E-02	1.5E-12	3.2E+00	6.0E-07	1.0E-03	2.0E-09	1.6E-01	1.4E-02	4.3E-12	3.2E+00	1.2E-06
1.9E-07	1.0E-03	6.3E-10	1.6E-01	1.4E-02	1.4E-12	3.0E+00	6.0E-07	1.0E-03	1.9E-09	1.6E-01	1.4E-02	4.1E-12	3.0E+00	1.2E-06
1.9E-07	1.0E-03	5.8E-10	1.6E-01	1.4E-02	1.3E-12	2.8E+00	6.0E-07	1.0E-03	1.8E-09	1.6E-01	1.4E-02	3.8E-12	2.8E+00	1.2E-06
1.9E-07	1.0E-03	5.3E-10	1.6E-01	1.4E-02	1.1E-12	2.6E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	1.4E-02	3.5E-12	2.6E+00	1.2E-06
1.9E-07	1.0E-03	4.8E-10	1.6E-01	1.4E-02	1.0E-12	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.2E-12	2.4E+00	1.2E-06
1.9E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.6E-12	3.0E+00	6.0E-07	1.0E-03	1.9E-09	1.6E-01	1.4E-02	4.1E-12	3.0E+00	1.2E-06
1.9E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.8E-12	3.3E+00	6.0E-07	1.0E-03	2.0E-09	1.6E-01	1.4E-02	4.4E-12	3.3E+00	1.2E-06
1.9E-07	1.0E-03	1.4E-09	1.6E-01	1.4E-02	3.1E-12	3.5E+00	6.0E-07	1.0E-03	2.2E-09	1.6E-01	1.4E-02	4.7E-12	3.5E+00	1.2E-06
1.9E-07	1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.3E-12	3.7E+00	6.0E-07	1.0E-03	2.3E-09	1.6E-01	1.4E-02	5.0E-12	3.7E+00	1.2E-06
1.9E-07	1.0E-03	1.6E-09	1.6E-01	1.4E-02	3.4E-12	3.9E+00	6.0E-07	1.0E-03	2.4E-09	1.6E-01	1.4E-02	5.3E-12	3.9E+00	1.2E-06
1.9E-07	1.0E-03	7.1E-10	1.6E-01	1.4E-02	1.5E-12	3.2E+00	6.0E-07	1.0E-03	2.0E-09	1.6E-01	1.4E-02	4.3E-12	3.2E+00	1.2E-06
1.9E-07	1.0E-03	6.5E-10	1.6E-01	1.4E-02	1.4E-12	3.0E+00	6.0E-07	1.0E-03	1.9E-09	1.6E-01	1.4E-02	4.1E-12	3.0E+00	1.2E-06
1.9E-07	1.0E-03	6.0E-10	1.6E-01	1.4E-02	1.3E-12	2.8E+00	6.0E-07	1.0E-03	1.8E-09	1.6E-01	1.4E-02	3.8E-12	2.8E+00	1.2E-06
1.9E-07	1.0E-03	5.6E-10	1.6E-01	1.4E-02	1.2E-12	2.7E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	1.4E-02	3.6E-12	2.7E+00	1.2E-06
1.9E-07	1.0E-03	5.1E-10	1.6E-01	1.4E-02	1.1E-12	2.5E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	1.4E-02	3.4E-12	2.5E+00	1.2E-06
1.9E-07	1.0E-03	4.7E-10	1.6E-01	1.4E-02	1.0E-12	2.3E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.1E-12	2.3E+00	1.2E-06
1.9E-07	1.0E-03	1.0E-09	1.6E-01	1.4E-02	2.2E-12	2.7E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	1.4E-02	3.7E-12	2.7E+00	1.2E-06
1.9E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.4E-12	2.9E+00	6.0E-07	1.0E-03	1.8E-09	1.6E-01	1.4E-02	4.0E-12	2.9E+00	1.2E-06
1.9E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.6E-12	3.1E+00	6.0E-07	1.0E-03	2.0E-09	1.6E-01	1.4E-02	4.2E-12	3.1E+00	1.2E-06
1.9E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.8E-12	3.3E+00	6.0E-07	1.0E-03	2.1E-09	1.6E-01	1.4E-02	4.5E-12	3.3E+00	1.2E-06
1.9E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.9E-12	3.5E+00	6.0E-07	1.0E-03	2.2E-09	1.6E-01	1.4E-02	4.7E-12	3.5E+00	1.2E-06
1.9E-07	1.0E-03	6.6E-10	1.6E-01	1.4E-02	1.4E-12	3.0E+00	6.0E-07	1.0E-03	1.9E-09	1.6E-01	1.4E-02	4.0E-12	3.0E+00	1.2E-06
1.9E-07	1.0E-03	6.2E-10	1.6E-01	1.4E-02	1.3E-12	2.8E+00	6.0E-07	1.0E-03	1.8E-09	1.6E-01	1.4E-02	3.8E-12	2.8E+00	1.2E-06
1.9E-07	1.0E-03	5.7E-10	1.6E-01	1.4E-02	1.2E-12	2.7E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	1.4E-02	3.6E-12	2.7E+00	1.2E-06
1.9E-07	1.0E-03	5.3E-10	1.6E-01	1.4E-02	1.1E-12	2.5E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	1.4E-02	3.4E-12	2.5E+00	1.2E-06
1.9E-07	1.0E-03	4.9E-10	1.6E-01	1.4E-02	1.1E-12	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.2E-12	2.4E+00	1.2E-06
1.9E-07	1.0E-03	4.5E-10	1.6E-01	1.4E-02	9.7E-13	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	1.4E-02	3.0E-12	2.2E+00	1.2E-06
1.9E-07	1.0E-03	9.1E-10	1.6E-01	1.4E-02	2.0E-12	2.5E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	1.4E-02	3.4E-12	2.5E+00	1.2E-06
1.9E-07	1.0E-03	9.8E-10	1.6E-01	1.4E-02	2.1E-12	2.7E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	1.4E-02	3.6E-12	2.7E+00	1.2E-06
1.9E-07	1.0E-03	1.0E-09	1.6E-01	1.4E-02	2.3E-12	2.8E+00	6.0E-07	1.0E-03	1.8E-09	1.6E-01	1.4E-02	3.8E-12	2.8E+00	1.2E-06
1.9E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.4E-12	3.0E+00	6.0E-07	1.0E-03	1.9E-09	1.6E-01	1.4E-02	4.0E-12	3.0E+00	1.2E-06
1.9E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.5E-12	3.1E+00	6.0E-07	1.0E-03	2.0E-09	1.6E-01	1.4E-02	4.2E-12	3.1E+00	1.2E-06
1.9E-07	1.0E-03	6.2E-10	1.6E-01	1.4E-02	1.3E-12	2.8E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	1.4E-02	3.8E-12	2.8E+00	1.2E-06
1.9E-07	1.0E-03	5.8E-10	1.6E-01	1.4E-02	1.3E-12	2.6E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	1.4E-02	3.6E-12	2.6E+00	1.2E-06
1.9E-07	1.0E-03	5.4E-10	1.6E-01	1.4E-02	1.2E-12	2.5E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	1.4E-02	3.4E-12	2.5E+00	1.2E-06
1.9E-07	1.0E-03	5.0E-10	1.6E-01	1.4E-02	1.1E-12	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.2E-12	2.4E+00	1.2E-06
1.9E-07	1.0E-03	4.7E-10	1.6E-01	1.4E-02	1.0E-12	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	1.4E-02	3.0E-12	2.2E+00	1.2E-06
1.9E-07	1.0E-03	4.4E-10	1.6E-01	1.4E-02	9.4E-13	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.9E-12	2.1E+00	1.2E-06
1.9E-07	1.0E-03	8.1E-10	1.6E-01	1.4E-02	1.7E-12	2.3E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	1.4E-02	3.1E-12	2.3E+00	1.2E-06
1.9E-07	1.0E-03	8.6E-10	1.6E-01	1.4E-02	1.9E-12	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.3E-12	2.4E+00	1.2E-06
1.9E-07	1.0E-03	9.1E-10	1.6E-01	1.4E-02	2.0E-12	2.6E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	1.4E-02	3.5E-12	2.6E+00	1.2E-06

1.9E-07	1.0E-03	9.6E-10	1.6E-01	1.4E-02	2.1E-12	2.7E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	1.4E-02	3.7E-12	2.7E+00	1.2E-06
1.9E-07	1.0E-03	1.0E-09	1.6E-01	1.4E-02	2.2E-12	2.8E+00	6.0E-07	1.0E-03	1.8E-09	1.6E-01	1.4E-02	3.8E-12	2.8E+00	1.2E-06
1.9E-07	1.0E-03	5.9E-10	1.6E-01	1.4E-02	1.3E-12	2.6E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	1.4E-02	3.5E-12	2.6E+00	1.2E-06
1.9E-07	1.0E-03	5.5E-10	1.6E-01	1.4E-02	1.2E-12	2.5E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	1.4E-02	3.3E-12	2.5E+00	1.2E-06
1.9E-07	1.0E-03	5.1E-10	1.6E-01	1.4E-02	1.1E-12	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.2E-12	2.4E+00	1.2E-06
1.9E-07	1.0E-03	4.8E-10	1.6E-01	1.4E-02	1.0E-12	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	1.4E-02	3.0E-12	2.2E+00	1.2E-06
1.9E-07	1.0E-03	4.5E-10	1.6E-01	1.4E-02	9.7E-13	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.9E-12	2.1E+00	1.2E-06
1.9E-07	1.0E-03	4.2E-10	1.6E-01	1.4E-02	9.1E-13	2.0E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.7E-12	2.0E+00	1.2E-06
1.9E-07	1.0E-03	7.2E-10	1.6E-01	1.4E-02	1.5E-12	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.9E-12	2.1E+00	1.2E-06
1.9E-07	1.0E-03	7.6E-10	1.6E-01	1.4E-02	1.6E-12	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	1.4E-02	3.0E-12	2.2E+00	1.2E-06
1.9E-07	1.0E-03	8.1E-10	1.6E-01	1.4E-02	1.7E-12	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.2E-12	2.4E+00	1.2E-06
1.9E-07	1.0E-03	8.5E-10	1.6E-01	1.4E-02	1.8E-12	2.5E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	1.4E-02	3.3E-12	2.5E+00	1.2E-06
1.9E-07	1.0E-03	8.8E-10	1.6E-01	1.4E-02	1.9E-12	2.6E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	1.4E-02	3.5E-12	2.6E+00	1.2E-06
1.9E-07	1.0E-03	5.5E-10	1.6E-01	1.4E-02	1.2E-12	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.3E-12	2.4E+00	1.2E-06
1.9E-07	1.0E-03	5.2E-10	1.6E-01	1.4E-02	1.1E-12	2.3E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.1E-12	2.3E+00	1.2E-06
1.9E-07	1.0E-03	4.9E-10	1.6E-01	1.4E-02	1.1E-12	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	1.4E-02	3.0E-12	2.2E+00	1.2E-06
1.9E-07	1.0E-03	4.6E-10	1.6E-01	1.4E-02	9.9E-13	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.9E-12	2.1E+00	1.2E-06
1.9E-07	1.0E-03	4.3E-10	1.6E-01	1.4E-02	9.3E-13	2.0E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.7E-12	2.0E+00	1.2E-06
1.9E-07	1.0E-03	4.0E-10	1.6E-01	1.4E-02	8.7E-13	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.6E-12	1.9E+00	1.2E-06
1.9E-07	1.0E-03	6.4E-10	1.6E-01	1.4E-02	1.4E-12	2.0E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.7E-12	2.0E+00	1.2E-06
1.9E-07	1.0E-03	6.8E-10	1.6E-01	1.4E-02	1.5E-12	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.8E-12	2.1E+00	1.2E-06
1.9E-07	1.0E-03	7.2E-10	1.6E-01	1.4E-02	1.5E-12	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	1.4E-02	2.9E-12	2.2E+00	1.2E-06
1.9E-07	1.0E-03	7.5E-10	1.6E-01	1.4E-02	1.6E-12	2.3E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	1.4E-02	3.1E-12	2.3E+00	1.2E-06
1.9E-07	1.0E-03	7.8E-10	1.6E-01	1.4E-02	1.7E-12	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.2E-12	2.4E+00	1.2E-06
1.9E-07	1.0E-03	8.0E-10	1.6E-01	1.4E-02	1.7E-12	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.3E-12	2.4E+00	1.2E-06
1.9E-07	1.0E-03	8.1E-10	1.6E-01	1.4E-02	1.8E-12	2.5E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	1.4E-02	3.4E-12	2.5E+00	1.2E-06
1.9E-07	1.0E-03	8.2E-10	1.6E-01	1.4E-02	1.8E-12	2.6E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	1.4E-02	3.5E-12	2.6E+00	1.2E-06
1.9E-07	1.0E-03	8.2E-10	1.6E-01	1.4E-02	1.8E-12	2.6E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	1.4E-02	3.6E-12	2.6E+00	1.2E-06
1.9E-07	1.0E-03	8.2E-10	1.6E-01	1.4E-02	1.8E-12	2.7E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	1.4E-02	3.6E-12	2.7E+00	1.2E-06
1.9E-07	1.0E-03	8.0E-10	1.6E-01	1.4E-02	1.7E-12	2.7E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	1.4E-02	3.6E-12	2.7E+00	1.2E-06
1.9E-07	1.0E-03	7.8E-10	1.6E-01	1.4E-02	1.7E-12	2.7E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	1.4E-02	3.7E-12	2.7E+00	1.2E-06
1.9E-07	1.0E-03	7.6E-10	1.6E-01	1.4E-02	1.6E-12	2.7E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	1.4E-02	3.6E-12	2.7E+00	1.2E-06
1.9E-07	1.0E-03	7.4E-10	1.6E-01	1.4E-02	1.6E-12	2.7E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	1.4E-02	3.6E-12	2.7E+00	1.2E-06
1.9E-07	1.0E-03	7.1E-10	1.6E-01	1.4E-02	1.5E-12	2.7E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	1.4E-02	3.6E-12	2.7E+00	1.2E-06
1.9E-07	1.0E-03	6.8E-10	1.6E-01	1.4E-02	1.5E-12	2.6E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	1.4E-02	3.5E-12	2.6E+00	1.2E-06
1.9E-07	1.0E-03	6.5E-10	1.6E-01	1.4E-02	1.4E-12	2.6E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	1.4E-02	3.5E-12	2.6E+00	1.2E-06
1.9E-07	1.0E-03	6.1E-10	1.6E-01	1.4E-02	1.3E-12	2.5E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	1.4E-02	3.4E-12	2.5E+00	1.2E-06
1.9E-07	1.0E-03	5.8E-10	1.6E-01	1.4E-02	1.3E-12	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.3E-12	2.4E+00	1.2E-06
1.9E-07	1.0E-03	5.5E-10	1.6E-01	1.4E-02	1.2E-12	2.3E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.2E-12	2.3E+00	1.2E-06
1.9E-07	1.0E-03	5.2E-10	1.6E-01	1.4E-02	1.1E-12	2.3E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	1.4E-02	3.1E-12	2.3E+00	1.2E-06
1.9E-07	1.0E-03	4.9E-10	1.6E-01	1.4E-02	1.1E-12	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	1.4E-02	2.9E-12	2.2E+00	1.2E-06
1.9E-07	1.0E-03	4.6E-10	1.6E-01	1.4E-02	1.0E-12	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.8E-12	2.1E+00	1.2E-06
1.9E-07	1.0E-03	4.4E-10	1.6E-01	1.4E-02	9.4E-13	2.0E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.7E-12	2.0E+00	1.2E-06
1.9E-07	1.0E-03	4.1E-10	1.6E-01	1.4E-02	8.8E-13	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.6E-12	1.9E+00	1.2E-06
1.9E-07	1.0E-03	3.9E-10	1.6E-01	1.4E-02	8.3E-13	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.5E-12	1.8E+00	1.2E-06
1.9E-07	1.0E-03	5.8E-10	1.6E-01	1.4E-02	1.3E-12	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.5E-12	1.8E+00	1.2E-06
1.9E-07	1.0E-03	6.1E-10	1.6E-01	1.4E-02	1.3E-12	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.6E-12	1.9E+00	1.2E-06
1.9E-07	1.0E-03	6.4E-10	1.6E-01	1.4E-02	1.4E-12	2.0E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.7E-12	2.0E+00	1.2E-06
1.9E-07	1.0E-03	6.7E-10	1.6E-01	1.4E-02	1.4E-12	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.8E-12	2.1E+00	1.2E-06

1.9E-07	1.0E-03	6.9E-10	1.6E-01	1.4E-02	1.5E-12	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	1.4E-02	2.9E-12	2.2E+00	1.2E-06
1.9E-07	1.0E-03	7.1E-10	1.6E-01	1.4E-02	1.5E-12	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	1.4E-02	3.0E-12	2.2E+00	1.2E-06
1.9E-07	1.0E-03	7.3E-10	1.6E-01	1.4E-02	1.6E-12	2.3E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	1.4E-02	3.1E-12	2.3E+00	1.2E-06
1.9E-07	1.0E-03	7.4E-10	1.6E-01	1.4E-02	1.6E-12	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.2E-12	2.4E+00	1.2E-06
1.9E-07	1.0E-03	7.4E-10	1.6E-01	1.4E-02	1.6E-12	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.3E-12	2.4E+00	1.2E-06
1.9E-07	1.0E-03	7.3E-10	1.6E-01	1.4E-02	1.6E-12	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.3E-12	2.4E+00	1.2E-06
1.9E-07	1.0E-03	7.2E-10	1.6E-01	1.4E-02	1.6E-12	2.5E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	1.4E-02	3.3E-12	2.5E+00	1.2E-06
1.9E-07	1.0E-03	7.1E-10	1.6E-01	1.4E-02	1.5E-12	2.5E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	1.4E-02	3.4E-12	2.5E+00	1.2E-06
1.9E-07	1.0E-03	6.9E-10	1.6E-01	1.4E-02	1.5E-12	2.5E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	1.4E-02	3.3E-12	2.5E+00	1.2E-06
1.9E-07	1.0E-03	6.7E-10	1.6E-01	1.4E-02	1.4E-12	2.5E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.3E-12	2.5E+00	1.2E-06
1.9E-07	1.0E-03	6.5E-10	1.6E-01	1.4E-02	1.4E-12	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.3E-12	2.4E+00	1.2E-06
1.9E-07	1.0E-03	6.3E-10	1.6E-01	1.4E-02	1.3E-12	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.3E-12	2.4E+00	1.2E-06
1.9E-07	1.0E-03	6.0E-10	1.6E-01	1.4E-02	1.3E-12	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.2E-12	2.4E+00	1.2E-06
1.9E-07	1.0E-03	5.7E-10	1.6E-01	1.4E-02	1.2E-12	2.3E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.1E-12	2.3E+00	1.2E-06
1.9E-07	1.0E-03	5.5E-10	1.6E-01	1.4E-02	1.2E-12	2.3E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	1.4E-02	3.1E-12	2.3E+00	1.2E-06
1.9E-07	1.0E-03	5.2E-10	1.6E-01	1.4E-02	1.1E-12	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	1.4E-02	3.0E-12	2.2E+00	1.2E-06
1.9E-07	1.0E-03	4.9E-10	1.6E-01	1.4E-02	1.1E-12	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.9E-12	2.1E+00	1.2E-06
1.9E-07	1.0E-03	4.6E-10	1.6E-01	1.4E-02	1.0E-12	2.0E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.8E-12	2.0E+00	1.2E-06
1.9E-07	1.0E-03	4.4E-10	1.6E-01	1.4E-02	9.5E-13	2.0E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.7E-12	2.0E+00	1.2E-06
1.9E-07	1.0E-03	4.2E-10	1.6E-01	1.4E-02	8.9E-13	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.6E-12	1.9E+00	1.2E-06
1.9E-07	1.0E-03	3.9E-10	1.6E-01	1.4E-02	8.4E-13	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.5E-12	1.8E+00	1.2E-06
1.9E-07	1.0E-03	3.7E-10	1.6E-01	1.4E-02	8.0E-13	1.7E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.4E-12	1.7E+00	1.2E-06
1.9E-07	1.0E-03	5.3E-10	1.6E-01	1.4E-02	1.1E-12	1.7E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.3E-12	1.7E+00	1.2E-06
1.9E-07	1.0E-03	5.5E-10	1.6E-01	1.4E-02	1.2E-12	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.4E-12	1.8E+00	1.2E-06
1.9E-07	1.0E-03	5.8E-10	1.6E-01	1.4E-02	1.2E-12	1.8E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.5E-12	1.8E+00	1.2E-06
1.9E-07	1.0E-03	6.0E-10	1.6E-01	1.4E-02	1.3E-12	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.6E-12	1.9E+00	1.2E-06
1.9E-07	1.0E-03	6.2E-10	1.6E-01	1.4E-02	1.3E-12	2.0E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.7E-12	2.0E+00	1.2E-06
1.9E-07	1.0E-03	6.4E-10	1.6E-01	1.4E-02	1.4E-12	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.8E-12	2.1E+00	1.2E-06
1.9E-07	1.0E-03	6.5E-10	1.6E-01	1.4E-02	1.4E-12	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.9E-12	2.1E+00	1.2E-06
1.9E-07	1.0E-03	6.6E-10	1.6E-01	1.4E-02	1.4E-12	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	1.4E-02	2.9E-12	2.2E+00	1.2E-06
1.9E-07	1.0E-03	6.6E-10	1.6E-01	1.4E-02	1.4E-12	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	1.4E-02	3.0E-12	2.2E+00	1.2E-06
1.9E-07	1.0E-03	6.6E-10	1.6E-01	1.4E-02	1.4E-12	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	1.4E-02	3.0E-12	2.2E+00	1.2E-06
1.9E-07	1.0E-03	6.6E-10	1.6E-01	1.4E-02	1.4E-12	2.3E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	1.4E-02	3.1E-12	2.3E+00	1.2E-06
1.9E-07	1.0E-03	6.5E-10	1.6E-01	1.4E-02	1.4E-12	2.3E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	1.4E-02	3.1E-12	2.3E+00	1.2E-06
1.9E-07	1.0E-03	6.3E-10	1.6E-01	1.4E-02	1.4E-12	2.3E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	1.4E-02	3.1E-12	2.3E+00	1.2E-06
1.9E-07	1.0E-03	6.2E-10	1.6E-01	1.4E-02	1.3E-12	2.3E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	1.4E-02	3.1E-12	2.3E+00	1.2E-06
1.9E-07	1.0E-03	6.0E-10	1.6E-01	1.4E-02	1.3E-12	2.3E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	1.4E-02	3.1E-12	2.3E+00	1.2E-06
1.9E-07	1.0E-03	5.8E-10	1.6E-01	1.4E-02	1.2E-12	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	1.4E-02	3.0E-12	2.2E+00	1.2E-06
1.9E-07	1.0E-03	5.6E-10	1.6E-01	1.4E-02	1.2E-12	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	1.4E-02	3.0E-12	2.2E+00	1.2E-06
1.9E-07	1.0E-03	5.3E-10	1.6E-01	1.4E-02	1.1E-12	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	1.4E-02	2.9E-12	2.2E+00	1.2E-06
1.9E-07	1.0E-03	5.1E-10	1.6E-01	1.4E-02	1.1E-12	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.8E-12	2.1E+00	1.2E-06
1.9E-07	1.0E-03	4.9E-10	1.6E-01	1.4E-02	1.0E-12	2.0E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.8E-12	2.0E+00	1.2E-06
1.9E-07	1.0E-03	4.6E-10	1.6E-01	1.4E-02	9.9E-13	2.0E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.7E-12	2.0E+00	1.2E-06
1.9E-07	1.0E-03	4.4E-10	1.6E-01	1.4E-02	9.5E-13	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.6E-12	1.9E+00	1.2E-06
1.9E-07	1.0E-03	4.2E-10	1.6E-01	1.4E-02	9.0E-13	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.5E-12	1.9E+00	1.2E-06
1.9E-07	1.0E-03	4.0E-10	1.6E-01	1.4E-02	8.5E-13	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.4E-12	1.8E+00	1.2E-06
1.9E-07	1.0E-03	3.7E-10	1.6E-01	1.4E-02	8.1E-13	1.7E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.3E-12	1.7E+00	1.2E-06
1.9E-07	1.0E-03	3.5E-10	1.6E-01	1.4E-02	7.6E-13	1.7E+00	6.0E-07	1.0E-03	1.0E-09	1.6E-01	1.4E-02	2.2E-12	1.7E+00	1.2E-06
1.9E-07	1.0E-03	4.8E-10	1.6E-01	1.4E-02	1.0E-12	1.6E+00	6.0E-07	1.0E-03	9.8E-10	1.6E-01	1.4E-02	2.1E-12	1.6E+00	1.2E-06

1.9E-07	1.0E-03	5.0E-10	1.6E-01	1.4E-02	1.1E-12	1.6E+00	6.0E-07	1.0E-03	1.0E-09	1.6E-01	1.4E-02	2.2E-12	1.6E+00	1.2E-06
1.9E-07	1.0E-03	5.3E-10	1.6E-01	1.4E-02	1.1E-12	1.7E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.3E-12	1.7E+00	1.2E-06
1.9E-07	1.0E-03	5.5E-10	1.6E-01	1.4E-02	1.2E-12	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.4E-12	1.8E+00	1.2E-06
1.9E-07	1.0E-03	5.6E-10	1.6E-01	1.4E-02	1.2E-12	1.8E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.5E-12	1.8E+00	1.2E-06
1.9E-07	1.0E-03	5.8E-10	1.6E-01	1.4E-02	1.2E-12	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.6E-12	1.9E+00	1.2E-06
1.9E-07	1.0E-03	5.9E-10	1.6E-01	1.4E-02	1.3E-12	2.0E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.6E-12	2.0E+00	1.2E-06
1.9E-07	1.0E-03	6.0E-10	1.6E-01	1.4E-02	1.3E-12	2.0E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.7E-12	2.0E+00	1.2E-06
1.9E-07	1.0E-03	6.0E-10	1.6E-01	1.4E-02	1.3E-12	2.0E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.8E-12	2.0E+00	1.2E-06
1.9E-07	1.0E-03	6.0E-10	1.6E-01	1.4E-02	1.3E-12	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.8E-12	2.1E+00	1.2E-06
1.9E-07	1.0E-03	6.0E-10	1.6E-01	1.4E-02	1.3E-12	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.8E-12	2.1E+00	1.2E-06
1.9E-07	1.0E-03	5.9E-10	1.6E-01	1.4E-02	1.3E-12	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.8E-12	2.1E+00	1.2E-06
1.9E-07	1.0E-03	5.8E-10	1.6E-01	1.4E-02	1.2E-12	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.8E-12	2.1E+00	1.2E-06
1.9E-07	1.0E-03	5.7E-10	1.6E-01	1.4E-02	1.2E-12	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.8E-12	2.1E+00	1.2E-06
1.9E-07	1.0E-03	5.5E-10	1.6E-01	1.4E-02	1.2E-12	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.8E-12	2.1E+00	1.2E-06
1.9E-07	1.0E-03	5.3E-10	1.6E-01	1.4E-02	1.2E-12	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.8E-12	2.1E+00	1.2E-06
1.9E-07	1.0E-03	5.2E-10	1.6E-01	1.4E-02	1.1E-12	2.0E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.8E-12	2.0E+00	1.2E-06
1.9E-07	1.0E-03	5.0E-10	1.6E-01	1.4E-02	1.1E-12	2.0E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.7E-12	2.0E+00	1.2E-06
1.9E-07	1.0E-03	4.8E-10	1.6E-01	1.4E-02	1.0E-12	2.0E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.7E-12	2.0E+00	1.2E-06
1.9E-07	1.0E-03	4.6E-10	1.6E-01	1.4E-02	9.8E-13	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.6E-12	1.9E+00	1.2E-06
1.9E-07	1.0E-03	4.3E-10	1.6E-01	1.4E-02	9.4E-13	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.5E-12	1.9E+00	1.2E-06
1.9E-07	1.0E-03	4.1E-10	1.6E-01	1.4E-02	8.9E-13	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.4E-12	1.8E+00	1.2E-06
1.9E-07	1.0E-03	4.0E-10	1.6E-01	1.4E-02	8.5E-13	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.4E-12	1.8E+00	1.2E-06
1.9E-07	1.0E-03	3.8E-10	1.6E-01	1.4E-02	8.1E-13	1.7E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.3E-12	1.7E+00	1.2E-06
1.9E-07	1.0E-03	3.6E-10	1.6E-01	1.4E-02	7.7E-13	1.6E+00	6.0E-07	1.0E-03	1.0E-09	1.6E-01	1.4E-02	2.2E-12	1.6E+00	1.2E-06
1.9E-07	1.0E-03	3.4E-10	1.6E-01	1.4E-02	7.3E-13	1.6E+00	6.0E-07	1.0E-03	9.9E-10	1.6E-01	1.4E-02	2.1E-12	1.6E+00	1.2E-06
1.9E-07	1.0E-03	4.4E-10	1.6E-01	1.4E-02	9.5E-13	1.5E+00	6.0E-07	1.0E-03	9.2E-10	1.6E-01	1.4E-02	2.0E-12	1.5E+00	1.2E-06
1.9E-07	1.0E-03	4.6E-10	1.6E-01	1.4E-02	9.9E-13	1.5E+00	6.0E-07	1.0E-03	9.6E-10	1.6E-01	1.4E-02	2.1E-12	1.5E+00	1.2E-06
1.9E-07	1.0E-03	4.8E-10	1.6E-01	1.4E-02	1.0E-12	1.6E+00	6.0E-07	1.0E-03	1.0E-09	1.6E-01	1.4E-02	2.1E-12	1.6E+00	1.2E-06
1.9E-07	1.0E-03	5.0E-10	1.6E-01	1.4E-02	1.1E-12	1.6E+00	6.0E-07	1.0E-03	1.0E-09	1.6E-01	1.4E-02	2.2E-12	1.6E+00	1.2E-06
1.9E-07	1.0E-03	5.1E-10	1.6E-01	1.4E-02	1.1E-12	1.7E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.3E-12	1.7E+00	1.2E-06
1.9E-07	1.0E-03	5.3E-10	1.6E-01	1.4E-02	1.1E-12	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.4E-12	1.8E+00	1.2E-06
1.9E-07	1.0E-03	5.4E-10	1.6E-01	1.4E-02	1.2E-12	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.4E-12	1.8E+00	1.2E-06
1.9E-07	1.0E-03	5.4E-10	1.6E-01	1.4E-02	1.2E-12	1.8E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.5E-12	1.8E+00	1.2E-06
1.9E-07	1.0E-03	5.5E-10	1.6E-01	1.4E-02	1.2E-12	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.5E-12	1.9E+00	1.2E-06
1.9E-07	1.0E-03	5.5E-10	1.6E-01	1.4E-02	1.2E-12	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.6E-12	1.9E+00	1.2E-06
1.9E-07	1.0E-03	5.5E-10	1.6E-01	1.4E-02	1.2E-12	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.6E-12	1.9E+00	1.2E-06
1.9E-07	1.0E-03	5.4E-10	1.6E-01	1.4E-02	1.2E-12	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.6E-12	1.9E+00	1.2E-06
1.9E-07	1.0E-03	5.3E-10	1.6E-01	1.4E-02	1.1E-12	2.0E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.6E-12	2.0E+00	1.2E-06
1.9E-07	1.0E-03	5.2E-10	1.6E-01	1.4E-02	1.1E-12	2.0E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.6E-12	2.0E+00	1.2E-06
1.9E-07	1.0E-03	5.1E-10	1.6E-01	1.4E-02	1.1E-12	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.6E-12	1.9E+00	1.2E-06
1.9E-07	1.0E-03	5.0E-10	1.6E-01	1.4E-02	1.1E-12	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.6E-12	1.9E+00	1.2E-06
1.9E-07	1.0E-03	4.8E-10	1.6E-01	1.4E-02	1.0E-12	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.6E-12	1.9E+00	1.2E-06
1.9E-07	1.0E-03	4.6E-10	1.6E-01	1.4E-02	1.0E-12	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.5E-12	1.9E+00	1.2E-06
1.9E-07	1.0E-03	4.5E-10	1.6E-01	1.4E-02	9.6E-13	1.8E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.5E-12	1.8E+00	1.2E-06
1.9E-07	1.0E-03	4.3E-10	1.6E-01	1.4E-02	9.2E-13	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.4E-12	1.8E+00	1.2E-06
1.9E-07	1.0E-03	4.1E-10	1.6E-01	1.4E-02	8.8E-13	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.4E-12	1.8E+00	1.2E-06
1.9E-07	1.0E-03	3.9E-10	1.6E-01	1.4E-02	8.4E-13	1.7E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.3E-12	1.7E+00	1.2E-06
1.9E-07	1.0E-03	3.7E-10	1.6E-01	1.4E-02	8.1E-13	1.7E+00	6.0E-07	1.0E-03	1.0E-09	1.6E-01	1.4E-02	2.2E-12	1.7E+00	1.2E-06
1.9E-07	1.0E-03	3.6E-10	1.6E-01	1.4E-02	7.7E-13	1.6E+00	6.0E-07	1.0E-03	1.0E-09	1.6E-01	1.4E-02	2.2E-12	1.6E+00	1.2E-06

1.9E-07	1.0E-03	3.4E-10	1.6E-01	1.4E-02	7.3E-13	1.6E+00	6.0E-07	1.0E-03	9.7E-10	1.6E-01	1.4E-02	2.1E-12	1.6E+00	1.2E-06
1.9E-07	1.0E-03	3.2E-10	1.6E-01	1.4E-02	7.0E-13	1.5E+00	6.0E-07	1.0E-03	9.4E-10	1.6E-01	1.4E-02	2.0E-12	1.5E+00	1.2E-06
1.9E-07	1.0E-03	4.0E-10	1.6E-01	1.4E-02	8.7E-13	1.4E+00	6.0E-07	1.0E-03	8.6E-10	1.6E-01	1.4E-02	1.9E-12	1.4E+00	1.2E-06
1.9E-07	1.0E-03	4.2E-10	1.6E-01	1.4E-02	9.1E-13	1.4E+00	6.0E-07	1.0E-03	9.0E-10	1.6E-01	1.4E-02	1.9E-12	1.4E+00	1.2E-06
1.9E-07	1.0E-03	4.4E-10	1.6E-01	1.4E-02	9.5E-13	1.5E+00	6.0E-07	1.0E-03	9.3E-10	1.6E-01	1.4E-02	2.0E-12	1.5E+00	1.2E-06
1.9E-07	1.0E-03	4.5E-10	1.6E-01	1.4E-02	9.8E-13	1.5E+00	6.0E-07	1.0E-03	9.6E-10	1.6E-01	1.4E-02	2.1E-12	1.5E+00	1.2E-06
1.9E-07	1.0E-03	4.7E-10	1.6E-01	1.4E-02	1.0E-12	1.6E+00	6.0E-07	1.0E-03	9.9E-10	1.6E-01	1.4E-02	2.1E-12	1.6E+00	1.2E-06
1.9E-07	1.0E-03	4.8E-10	1.6E-01	1.4E-02	1.0E-12	1.6E+00	6.0E-07	1.0E-03	1.0E-09	1.6E-01	1.4E-02	2.2E-12	1.6E+00	1.2E-06
1.9E-07	1.0E-03	4.9E-10	1.6E-01	1.4E-02	1.1E-12	1.7E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.3E-12	1.7E+00	1.2E-06
1.9E-07	1.0E-03	5.0E-10	1.6E-01	1.4E-02	1.1E-12	1.7E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.3E-12	1.7E+00	1.2E-06
1.9E-07	1.0E-03	5.0E-10	1.6E-01	1.4E-02	1.1E-12	1.7E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.4E-12	1.7E+00	1.2E-06
1.9E-07	1.0E-03	5.0E-10	1.6E-01	1.4E-02	1.1E-12	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.4E-12	1.8E+00	1.2E-06
1.9E-07	1.0E-03	5.0E-10	1.6E-01	1.4E-02	1.1E-12	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.4E-12	1.8E+00	1.2E-06
1.9E-07	1.0E-03	5.0E-10	1.6E-01	1.4E-02	1.1E-12	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.4E-12	1.8E+00	1.2E-06
1.9E-07	1.0E-03	4.9E-10	1.6E-01	1.4E-02	1.1E-12	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.4E-12	1.8E+00	1.2E-06
1.9E-07	1.0E-03	4.8E-10	1.6E-01	1.4E-02	1.0E-12	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.5E-12	1.8E+00	1.2E-06
1.9E-07	1.0E-03	4.7E-10	1.6E-01	1.4E-02	1.0E-12	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.4E-12	1.8E+00	1.2E-06
1.9E-07	1.0E-03	4.6E-10	1.6E-01	1.4E-02	9.9E-13	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.4E-12	1.8E+00	1.2E-06
1.9E-07	1.0E-03	4.5E-10	1.6E-01	1.4E-02	9.6E-13	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.4E-12	1.8E+00	1.2E-06
1.9E-07	1.0E-03	4.3E-10	1.6E-01	1.4E-02	9.3E-13	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.4E-12	1.8E+00	1.2E-06
1.9E-07	1.0E-03	4.2E-10	1.6E-01	1.4E-02	9.0E-13	1.7E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.3E-12	1.7E+00	1.2E-06
1.9E-07	1.0E-03	4.0E-10	1.6E-01	1.4E-02	8.7E-13	1.7E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.3E-12	1.7E+00	1.2E-06
1.9E-07	1.0E-03	3.9E-10	1.6E-01	1.4E-02	8.3E-13	1.6E+00	6.0E-07	1.0E-03	1.0E-09	1.6E-01	1.4E-02	2.2E-12	1.6E+00	1.2E-06
1.9E-07	1.0E-03	3.7E-10	1.6E-01	1.4E-02	8.0E-13	1.6E+00	6.0E-07	1.0E-03	1.0E-09	1.6E-01	1.4E-02	2.2E-12	1.6E+00	1.2E-06
1.9E-07	1.0E-03	3.6E-10	1.6E-01	1.4E-02	7.7E-13	1.6E+00	6.0E-07	1.0E-03	9.8E-10	1.6E-01	1.4E-02	2.1E-12	1.6E+00	1.2E-06
1.9E-07	1.0E-03	3.4E-10	1.6E-01	1.4E-02	7.3E-13	1.5E+00	6.0E-07	1.0E-03	9.5E-10	1.6E-01	1.4E-02	2.1E-12	1.5E+00	1.2E-06
1.9E-07	1.0E-03	3.3E-10	1.6E-01	1.4E-02	7.0E-13	1.5E+00	6.0E-07	1.0E-03	9.2E-10	1.6E-01	1.4E-02	2.0E-12	1.5E+00	1.2E-06
1.9E-07	1.0E-03	3.1E-10	1.6E-01	1.4E-02	6.7E-13	1.4E+00	6.0E-07	1.0E-03	8.9E-10	1.6E-01	1.4E-02	1.9E-12	1.4E+00	1.2E-06

Franklin School Project

Risk From New Building Demo (Port. 1,3,4) - Unmitigated Residential

Haul Route 1A							Haul Route 2A					
D1	Dose	R1	ED	Risk	Conc	g/sec	D1	Dose	R1	ED	Risk	
1.0E-03	4.4E-10	1.6E-01	1.4E-02	9.4E-13	3.9E+00	1.3E-07	1.0E-03	5.4E-10	1.6E-01	1.4E-02	1.2E-12	0.001695588
1.0E-03	5.0E-10	1.6E-01	1.4E-02	1.1E-12	4.4E+00	1.3E-07	1.0E-03	6.0E-10	1.6E-01	1.4E-02	1.3E-12	0.001868857
1.0E-03	5.8E-10	1.6E-01	1.4E-02	1.2E-12	4.7E+00	1.3E-07	1.0E-03	6.5E-10	1.6E-01	1.4E-02	1.4E-12	0.002055163
1.0E-03	6.6E-10	1.6E-01	1.4E-02	1.4E-12	4.8E+00	1.3E-07	1.0E-03	6.7E-10	1.6E-01	1.4E-02	1.4E-12	0.002251157
1.0E-03	7.5E-10	1.6E-01	1.4E-02	1.6E-12	4.8E+00	1.3E-07	1.0E-03	6.7E-10	1.6E-01	1.4E-02	1.4E-12	0.002449795
1.0E-03	8.3E-10	1.6E-01	1.4E-02	1.8E-12	4.7E+00	1.3E-07	1.0E-03	6.5E-10	1.6E-01	1.4E-02	1.4E-12	0.002641452
1.0E-03	9.1E-10	1.6E-01	1.4E-02	2.0E-12	4.3E+00	1.3E-07	1.0E-03	5.9E-10	1.6E-01	1.4E-02	1.3E-12	0.002836076
1.0E-03	9.9E-10	1.6E-01	1.4E-02	2.1E-12	3.6E+00	1.3E-07	1.0E-03	5.0E-10	1.6E-01	1.4E-02	1.1E-12	0.002997713
1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.3E-12	2.8E+00	1.3E-07	1.0E-03	3.9E-10	1.6E-01	1.4E-02	8.4E-13	0.003187159
1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.5E-12	2.2E+00	1.3E-07	1.0E-03	3.0E-10	1.6E-01	1.4E-02	6.4E-13	0.003356634
1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.7E-12	1.6E+00	1.3E-07	1.0E-03	2.3E-10	1.6E-01	1.4E-02	4.9E-13	0.003625503
1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.9E-12	1.3E+00	1.3E-07	1.0E-03	1.8E-10	1.6E-01	1.4E-02	3.8E-13	0.003897001
1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.9E-12	1.0E+00	1.3E-07	1.0E-03	1.4E-10	1.6E-01	1.4E-02	3.0E-13	0.004133599
1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.8E-12	8.0E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.4E-13	0.004329027
1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.6E-12	6.5E-01	1.3E-07	1.0E-03	9.0E-11	1.6E-01	1.4E-02	1.9E-13	0.004468194
1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.4E-12	5.4E-01	1.3E-07	1.0E-03	7.5E-11	1.6E-01	1.4E-02	1.6E-13	0.004521766
1.0E-03	5.1E-10	1.6E-01	1.4E-02	1.1E-12	8.3E+00	1.3E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.5E-12	0.001904228
1.0E-03	6.0E-10	1.6E-01	1.4E-02	1.3E-12	8.9E+00	1.3E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.7E-12	0.002128794
1.0E-03	7.1E-10	1.6E-01	1.4E-02	1.5E-12	9.3E+00	1.3E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.8E-12	0.002373436
1.0E-03	8.4E-10	1.6E-01	1.4E-02	1.8E-12	9.5E+00	1.3E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.8E-12	0.002639961
1.0E-03	9.8E-10	1.6E-01	1.4E-02	2.1E-12	9.4E+00	1.3E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.8E-12	0.002915739
1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.4E-12	9.0E+00	1.3E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.7E-12	0.00319078
1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.7E-12	7.7E+00	1.3E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.3E-12	0.003467586
1.0E-03	1.4E-09	1.6E-01	1.4E-02	3.0E-12	5.3E+00	1.3E-07	1.0E-03	7.3E-10	1.6E-01	1.4E-02	1.6E-12	0.003704598
1.0E-03	1.6E-09	1.6E-01	1.4E-02	3.3E-12	3.4E+00	1.3E-07	1.0E-03	4.8E-10	1.6E-01	1.4E-02	1.0E-12	0.003974418
1.0E-03	1.7E-09	1.6E-01	1.4E-02	3.7E-12	2.3E+00	1.3E-07	1.0E-03	3.2E-10	1.6E-01	1.4E-02	7.0E-13	0.004242276
1.0E-03	1.8E-09	1.6E-01	1.4E-02	3.9E-12	1.7E+00	1.3E-07	1.0E-03	2.3E-10	1.6E-01	1.4E-02	4.9E-13	0.004648469
1.0E-03	1.8E-09	1.6E-01	1.4E-02	4.0E-12	1.2E+00	1.3E-07	1.0E-03	1.7E-10	1.6E-01	1.4E-02	3.7E-13	0.005033112
1.0E-03	1.8E-09	1.6E-01	1.4E-02	3.8E-12	9.4E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	1.4E-02	2.8E-13	0.005346071
1.0E-03	1.6E-09	1.6E-01	1.4E-02	3.5E-12	7.5E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	1.4E-02	2.2E-13	0.00556377
1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.2E-12	6.1E-01	1.3E-07	1.0E-03	8.4E-11	1.6E-01	1.4E-02	1.8E-13	0.005661958
1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.8E-12	5.0E-01	1.3E-07	1.0E-03	6.9E-11	1.6E-01	1.4E-02	1.5E-13	0.005620932
1.0E-03	5.9E-10	1.6E-01	1.4E-02	1.3E-12	6.9E+00	1.3E-07	1.0E-03	9.5E-10	1.6E-01	1.4E-02	2.0E-12	0.002140088
1.0E-03	7.2E-10	1.6E-01	1.4E-02	1.5E-12	1.1E+01	1.3E-07	1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.3E-12	0.002427218
1.0E-03	8.8E-10	1.6E-01	1.4E-02	1.9E-12	6.2E+00	1.3E-07	1.0E-03	8.5E-10	1.6E-01	1.4E-02	1.8E-12	0.002758107
1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.4E-12	6.1E+00	1.3E-07	1.0E-03	8.5E-10	1.6E-01	1.4E-02	1.8E-12	0.003127107
1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.9E-12	6.0E+00	1.3E-07	1.0E-03	8.3E-10	1.6E-01	1.4E-02	1.8E-12	0.003523781
1.0E-03	1.6E-09	1.6E-01	1.4E-02	3.4E-12	5.4E+00	1.3E-07	1.0E-03	7.4E-10	1.6E-01	1.4E-02	1.6E-12	0.003926496
1.0E-03	1.9E-09	1.6E-01	1.4E-02	4.0E-12	6.2E+00	1.3E-07	1.0E-03	8.6E-10	1.6E-01	1.4E-02	1.8E-12	0.004346225
1.0E-03	2.1E-09	1.6E-01	1.4E-02	4.6E-12	7.1E+00	1.3E-07	1.0E-03	9.9E-10	1.6E-01	1.4E-02	2.1E-12	0.004719215
1.0E-03	2.4E-09	1.6E-01	1.4E-02	5.2E-12	3.6E+00	1.3E-07	1.0E-03	5.0E-10	1.6E-01	1.4E-02	1.1E-12	0.005109418
1.0E-03	2.6E-09	1.6E-01	1.4E-02	5.7E-12	2.2E+00	1.3E-07	1.0E-03	3.1E-10	1.6E-01	1.4E-02	6.6E-13	0.005555171
1.0E-03	2.7E-09	1.6E-01	1.4E-02	5.8E-12	1.5E+00	1.3E-07	1.0E-03	2.1E-10	1.6E-01	1.4E-02	4.5E-13	0.006198419

1.0E-03	2.6E-09	1.6E-01	1.4E-02	5.5E-12	1.1E+00	1.3E-07	1.0E-03	1.5E-10	1.6E-01	1.4E-02	3.3E-13	0.006726092
1.0E-03	2.3E-09	1.6E-01	1.4E-02	5.0E-12	8.5E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	1.4E-02	2.5E-13	0.007106683
1.0E-03	2.0E-09	1.6E-01	1.4E-02	4.4E-12	6.7E-01	1.3E-07	1.0E-03	9.3E-11	1.6E-01	1.4E-02	2.0E-13	0.007286215
1.0E-03	1.7E-09	1.6E-01	1.4E-02	3.7E-12	5.4E-01	1.3E-07	1.0E-03	7.5E-11	1.6E-01	1.4E-02	1.6E-13	0.007236774
1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.2E-12	4.5E-01	1.3E-07	1.0E-03	6.3E-11	1.6E-01	1.4E-02	1.3E-13	0.006988606
1.0E-03	6.7E-10	1.6E-01	1.4E-02	1.4E-12	6.3E+00	1.3E-07	1.0E-03	8.8E-10	1.6E-01	1.4E-02	1.9E-12	0.002405942
1.0E-03	8.5E-10	1.6E-01	1.4E-02	1.8E-12	1.0E+01	1.3E-07	1.0E-03	1.4E-09	1.6E-01	1.4E-02	3.0E-12	0.002777991
1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.4E-12	5.6E+00	1.3E-07	1.0E-03	7.8E-10	1.6E-01	1.4E-02	1.7E-12	0.003225498
1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.1E-12	5.5E+00	1.3E-07	1.0E-03	7.6E-10	1.6E-01	1.4E-02	1.6E-12	0.00374771
1.0E-03	1.9E-09	1.6E-01	1.4E-02	4.1E-12	5.3E+00	1.3E-07	1.0E-03	7.3E-10	1.6E-01	1.4E-02	1.6E-12	0.004336153
1.0E-03	2.5E-09	1.6E-01	1.4E-02	5.3E-12	4.5E+00	1.3E-07	1.0E-03	6.3E-10	1.6E-01	1.4E-02	1.4E-12	0.004966789
1.0E-03	3.0E-09	1.6E-01	1.4E-02	6.5E-12	5.2E+00	1.3E-07	1.0E-03	7.2E-10	1.6E-01	1.4E-02	1.6E-12	0.005609987
1.0E-03	3.6E-09	1.6E-01	1.4E-02	7.7E-12	6.0E+00	1.3E-07	1.0E-03	8.3E-10	1.6E-01	1.4E-02	1.8E-12	0.006174691
1.0E-03	4.1E-09	1.6E-01	1.4E-02	8.9E-12	3.0E+00	1.3E-07	1.0E-03	4.2E-10	1.6E-01	1.4E-02	9.0E-13	0.006816554
1.0E-03	4.3E-09	1.6E-01	1.4E-02	9.3E-12	1.9E+00	1.3E-07	1.0E-03	2.6E-10	1.6E-01	1.4E-02	5.6E-13	0.007610802
1.0E-03	4.0E-09	1.6E-01	1.4E-02	8.7E-12	1.3E+00	1.3E-07	1.0E-03	1.8E-10	1.6E-01	1.4E-02	3.9E-13	0.008679275
1.0E-03	3.5E-09	1.6E-01	1.4E-02	7.5E-12	9.5E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	1.4E-02	2.8E-13	0.009368155
1.0E-03	2.9E-09	1.6E-01	1.4E-02	6.3E-12	7.4E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	1.4E-02	2.2E-13	0.009710842
1.0E-03	2.4E-09	1.6E-01	1.4E-02	5.1E-12	5.9E-01	1.3E-07	1.0E-03	8.2E-11	1.6E-01	1.4E-02	1.8E-13	0.009657106
1.0E-03	1.9E-09	1.6E-01	1.4E-02	4.1E-12	4.8E-01	1.3E-07	1.0E-03	6.7E-11	1.6E-01	1.4E-02	1.4E-13	0.009253591
1.0E-03	1.6E-09	1.6E-01	1.4E-02	3.4E-12	4.0E-01	1.3E-07	1.0E-03	5.6E-11	1.6E-01	1.4E-02	1.2E-13	0.008614786
1.0E-03	7.6E-10	1.6E-01	1.4E-02	1.6E-12	7.0E+00	1.3E-07	1.0E-03	9.7E-10	1.6E-01	1.4E-02	2.1E-12	0.00269779
1.0E-03	1.0E-09	1.6E-01	1.4E-02	2.2E-12	7.3E+00	1.3E-07	1.0E-03	1.0E-09	1.6E-01	1.4E-02	2.2E-12	0.003180678
1.0E-03	1.4E-09	1.6E-01	1.4E-02	3.0E-12	7.4E+00	1.3E-07	1.0E-03	1.0E-09	1.6E-01	1.4E-02	2.2E-12	0.00378904
1.0E-03	2.0E-09	1.6E-01	1.4E-02	4.2E-12	7.3E+00	1.3E-07	1.0E-03	1.0E-09	1.6E-01	1.4E-02	2.2E-12	0.004539297
1.0E-03	2.9E-09	1.6E-01	1.4E-02	6.2E-12	7.0E+00	1.3E-07	1.0E-03	9.7E-10	1.6E-01	1.4E-02	2.1E-12	0.005433758
1.0E-03	4.2E-09	1.6E-01	1.4E-02	9.1E-12	6.4E+00	1.3E-07	1.0E-03	8.9E-10	1.6E-01	1.4E-02	1.9E-12	0.006466245
1.0E-03	5.7E-09	1.6E-01	1.4E-02	1.2E-11	5.2E+00	1.3E-07	1.0E-03	7.1E-10	1.6E-01	1.4E-02	1.5E-12	0.007568015
1.0E-03	7.3E-09	1.6E-01	1.4E-02	1.6E-11	3.4E+00	1.3E-07	1.0E-03	4.7E-10	1.6E-01	1.4E-02	1.0E-12	0.008578585
1.0E-03	8.0E-09	1.6E-01	1.4E-02	1.7E-11	2.2E+00	1.3E-07	1.0E-03	3.1E-10	1.6E-01	1.4E-02	6.6E-13	0.009772332
1.0E-03	7.2E-09	1.6E-01	1.4E-02	1.6E-11	1.5E+00	1.3E-07	1.0E-03	2.1E-10	1.6E-01	1.4E-02	4.5E-13	0.011463725
1.0E-03	5.8E-09	1.6E-01	1.4E-02	1.2E-11	1.1E+00	1.3E-07	1.0E-03	1.5E-10	1.6E-01	1.4E-02	3.2E-13	0.01285646
1.0E-03	4.4E-09	1.6E-01	1.4E-02	9.6E-12	8.2E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.4E-13	0.013596732
1.0E-03	3.4E-09	1.6E-01	1.4E-02	7.2E-12	6.4E-01	1.3E-07	1.0E-03	8.9E-11	1.6E-01	1.4E-02	1.9E-13	0.013531153
1.0E-03	2.6E-09	1.6E-01	1.4E-02	5.5E-12	5.2E-01	1.3E-07	1.0E-03	7.2E-11	1.6E-01	1.4E-02	1.6E-13	0.01281285
1.0E-03	2.0E-09	1.6E-01	1.4E-02	4.3E-12	4.3E-01	1.3E-07	1.0E-03	6.0E-11	1.6E-01	1.4E-02	1.3E-13	0.011704779
1.0E-03	1.6E-09	1.6E-01	1.4E-02	3.4E-12	3.6E-01	1.3E-07	1.0E-03	5.0E-11	1.6E-01	1.4E-02	1.1E-13	0.010408717
1.0E-03	8.3E-10	1.6E-01	1.4E-02	1.8E-12	3.5E+00	1.3E-07	1.0E-03	4.9E-10	1.6E-01	1.4E-02	1.1E-12	0.003005034
1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.4E-12	3.8E+00	1.3E-07	1.0E-03	5.2E-10	1.6E-01	1.4E-02	1.1E-12	0.003624551
1.0E-03	1.7E-09	1.6E-01	1.4E-02	3.6E-12	3.8E+00	1.3E-07	1.0E-03	5.3E-10	1.6E-01	1.4E-02	1.1E-12	0.004449574
1.0E-03	2.6E-09	1.6E-01	1.4E-02	5.6E-12	3.8E+00	1.3E-07	1.0E-03	5.3E-10	1.6E-01	1.4E-02	1.1E-12	0.005529226
1.0E-03	4.5E-09	1.6E-01	1.4E-02	9.6E-12	3.7E+00	1.3E-07	1.0E-03	5.1E-10	1.6E-01	1.4E-02	1.1E-12	0.006922672
1.0E-03	8.3E-09	1.6E-01	1.4E-02	1.8E-11	3.4E+00	1.3E-07	1.0E-03	4.7E-10	1.6E-01	1.4E-02	1.0E-12	0.008700847
1.0E-03	1.4E-08	1.6E-01	1.4E-02	3.1E-11	2.9E+00	1.3E-07	1.0E-03	4.0E-10	1.6E-01	1.4E-02	8.6E-13	0.010768422
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1.0E-03	1.7E-08	1.6E-01	1.4E-02	3.6E-11	1.6E+00	1.3E-07	1.0E-03	2.3E-10	1.6E-01	1.4E-02	4.9E-13	0.015395415
1.0E-03	1.1E-08	1.6E-01	1.4E-02	2.4E-11	1.2E+00	1.3E-07	1.0E-03	1.7E-10	1.6E-01	1.4E-02	3.6E-13	0.018693695
1.0E-03	7.4E-09	1.6E-01	1.4E-02	1.6E-11	9.1E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	1.4E-02	2.7E-13	0.020340469
1.0E-03	5.0E-09	1.6E-01	1.4E-02	1.1E-11	7.1E-01	1.3E-07	1.0E-03	9.8E-11	1.6E-01	1.4E-02	2.1E-13	0.020330184

1.0E-03	3.5E-09	1.6E-01	1.4E-02	7.6E-12	5.7E-01	1.3E-07	1.0E-03	7.9E-11	1.6E-01	1.4E-02	1.7E-13	0.018870557
1.0E-03	2.6E-09	1.6E-01	1.4E-02	5.5E-12	4.7E-01	1.3E-07	1.0E-03	6.5E-11	1.6E-01	1.4E-02	1.4E-13	0.016691364
1.0E-03	1.9E-09	1.6E-01	1.4E-02	4.1E-12	3.9E-01	1.3E-07	1.0E-03	5.4E-11	1.6E-01	1.4E-02	1.2E-13	0.014340632
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1.0E-03	8.7E-10	1.6E-01	1.4E-02	1.9E-12	2.2E+00	1.3E-07	1.0E-03	3.0E-10	1.6E-01	1.4E-02	6.5E-13	0.003300755
1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.6E-12	2.4E+00	1.3E-07	1.0E-03	3.3E-10	1.6E-01	1.4E-02	7.0E-13	0.004078675
1.0E-03	1.9E-09	1.6E-01	1.4E-02	4.0E-12	2.4E+00	1.3E-07	1.0E-03	3.4E-10	1.6E-01	1.4E-02	7.3E-13	0.005175764
1.0E-03	3.2E-09	1.6E-01	1.4E-02	6.8E-12	2.4E+00	1.3E-07	1.0E-03	3.4E-10	1.6E-01	1.4E-02	7.3E-13	0.006716303
1.0E-03	6.4E-09	1.6E-01	1.4E-02	1.4E-11	2.4E+00	1.3E-07	1.0E-03	3.3E-10	1.6E-01	1.4E-02	7.0E-13	0.008910029
1.0E-03	1.8E-08	1.6E-01	1.4E-02	3.9E-11	2.2E+00	1.3E-07	1.0E-03	3.0E-10	1.6E-01	1.4E-02	6.6E-13	0.012130256
1.0E-03	6.9E-08	1.6E-01	1.4E-02	1.5E-10	1.9E+00	1.3E-07	1.0E-03	2.7E-10	1.6E-01	1.4E-02	5.8E-13	0.016571175
1.0E-03	7.8E-08	1.6E-01	1.4E-02	1.7E-10	1.6E+00	1.3E-07	1.0E-03	2.2E-10	1.6E-01	1.4E-02	4.8E-13	0.022012623
1.0E-03	3.1E-08	1.6E-01	1.4E-02	6.6E-11	1.3E+00	1.3E-07	1.0E-03	1.8E-10	1.6E-01	1.4E-02	3.8E-13	0.02828201
1.0E-03	1.4E-08	1.6E-01	1.4E-02	3.0E-11	1.0E+00	1.3E-07	1.0E-03	1.4E-10	1.6E-01	1.4E-02	3.0E-13	0.034302858
1.0E-03	7.8E-09	1.6E-01	1.4E-02	1.7E-11	7.9E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.3E-13	0.03411968
1.0E-03	4.8E-09	1.6E-01	1.4E-02	1.0E-11	6.3E-01	1.3E-07	1.0E-03	8.7E-11	1.6E-01	1.4E-02	1.9E-13	0.030485427
1.0E-03	3.3E-09	1.6E-01	1.4E-02	7.0E-12	5.1E-01	1.3E-07	1.0E-03	7.1E-11	1.6E-01	1.4E-02	1.5E-13	0.025540296
1.0E-03	2.3E-09	1.6E-01	1.4E-02	5.0E-12	4.3E-01	1.3E-07	1.0E-03	5.9E-11	1.6E-01	1.4E-02	1.3E-13	0.020762422
1.0E-03	1.7E-09	1.6E-01	1.4E-02	3.7E-12	3.6E-01	1.3E-07	1.0E-03	5.0E-11	1.6E-01	1.4E-02	1.1E-13	0.016682624
1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.9E-12	3.1E-01	1.3E-07	1.0E-03	4.2E-11	1.6E-01	1.4E-02	9.1E-14	0.01348548
1.0E-03	8.8E-10	1.6E-01	1.4E-02	1.9E-12	1.5E+00	1.3E-07	1.0E-03	2.1E-10	1.6E-01	1.4E-02	4.5E-13	0.003570253
1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.7E-12	1.6E+00	1.3E-07	1.0E-03	2.2E-10	1.6E-01	1.4E-02	4.8E-13	0.004519071
1.0E-03	1.9E-09	1.6E-01	1.4E-02	4.1E-12	1.7E+00	1.3E-07	1.0E-03	2.3E-10	1.6E-01	1.4E-02	5.0E-13	0.005911349
1.0E-03	3.3E-09	1.6E-01	1.4E-02	7.1E-12	1.7E+00	1.3E-07	1.0E-03	2.4E-10	1.6E-01	1.4E-02	5.1E-13	0.008030474
1.0E-03	7.1E-09	1.6E-01	1.4E-02	1.5E-11	1.7E+00	1.3E-07	1.0E-03	2.3E-10	1.6E-01	1.4E-02	5.0E-13	0.011435182
1.0E-03	1.2E-08	1.6E-01	1.4E-02	2.7E-11	8.5E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	1.4E-02	2.5E-13	0.072148208
1.0E-03	6.6E-09	1.6E-01	1.4E-02	1.4E-11	6.9E-01	1.3E-07	1.0E-03	9.6E-11	1.6E-01	1.4E-02	2.1E-13	0.057341028
1.0E-03	4.1E-09	1.6E-01	1.4E-02	8.8E-12	5.7E-01	1.3E-07	1.0E-03	7.9E-11	1.6E-01	1.4E-02	1.7E-13	0.043399292
1.0E-03	2.8E-09	1.6E-01	1.4E-02	5.9E-12	4.7E-01	1.3E-07	1.0E-03	6.5E-11	1.6E-01	1.4E-02	1.4E-13	0.032227714
1.0E-03	2.0E-09	1.6E-01	1.4E-02	4.3E-12	3.9E-01	1.3E-07	1.0E-03	5.5E-11	1.6E-01	1.4E-02	1.2E-13	0.024015843
1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.2E-12	3.3E-01	1.3E-07	1.0E-03	4.6E-11	1.6E-01	1.4E-02	1.0E-13	0.018172474
1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.5E-12	2.9E-01	1.3E-07	1.0E-03	4.0E-11	1.6E-01	1.4E-02	8.6E-14	0.014047734
1.0E-03	8.5E-10	1.6E-01	1.4E-02	1.8E-12	1.1E+00	1.3E-07	1.0E-03	1.5E-10	1.6E-01	1.4E-02	3.3E-13	0.00375047
1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.5E-12	1.2E+00	1.3E-07	1.0E-03	1.6E-10	1.6E-01	1.4E-02	3.5E-13	0.004847196
1.0E-03	1.7E-09	1.6E-01	1.4E-02	3.8E-12	1.2E+00	1.3E-07	1.0E-03	1.7E-10	1.6E-01	1.4E-02	3.7E-13	0.00648316
1.0E-03	2.9E-09	1.6E-01	1.4E-02	6.2E-12	1.3E+00	1.3E-07	1.0E-03	1.7E-10	1.6E-01	1.4E-02	3.7E-13	0.009146033
1.0E-03	5.3E-09	1.6E-01	1.4E-02	1.1E-11	1.2E+00	1.3E-07	1.0E-03	1.7E-10	1.6E-01	1.4E-02	3.7E-13	0.013727712
1.0E-03	8.3E-09	1.6E-01	1.4E-02	1.8E-11	7.2E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	1.4E-02	2.2E-13	0.14600384
1.0E-03	5.0E-09	1.6E-01	1.4E-02	1.1E-11	6.1E-01	1.3E-07	1.0E-03	8.4E-11	1.6E-01	1.4E-02	1.8E-13	0.086432103
1.0E-03	3.2E-09	1.6E-01	1.4E-02	6.9E-12	5.1E-01	1.3E-07	1.0E-03	7.0E-11	1.6E-01	1.4E-02	1.5E-13	0.054249388
1.0E-03	2.3E-09	1.6E-01	1.4E-02	4.9E-12	4.3E-01	1.3E-07	1.0E-03	6.0E-11	1.6E-01	1.4E-02	1.3E-13	0.036475814
1.0E-03	1.7E-09	1.6E-01	1.4E-02	3.6E-12	3.7E-01	1.3E-07	1.0E-03	5.1E-11	1.6E-01	1.4E-02	1.1E-13	0.025182447
1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.8E-12	3.1E-01	1.3E-07	1.0E-03	4.4E-11	1.6E-01	1.4E-02	9.4E-14	0.018212589
1.0E-03	1.0E-09	1.6E-01	1.4E-02	2.2E-12	2.7E-01	1.3E-07	1.0E-03	3.8E-11	1.6E-01	1.4E-02	8.1E-14	0.013603022
1.0E-03	7.8E-10	1.6E-01	1.4E-02	1.7E-12	8.3E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	1.4E-02	2.5E-13	0.003858226
1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.3E-12	9.0E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	1.4E-02	2.7E-13	0.005027477
1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.2E-12	9.4E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	1.4E-02	2.8E-13	0.006791028
1.0E-03	2.2E-09	1.6E-01	1.4E-02	4.8E-12	9.6E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	1.4E-02	2.9E-13	0.009782607
1.0E-03	3.5E-09	1.6E-01	1.4E-02	7.5E-12	9.6E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	1.4E-02	2.9E-13	0.015032172

1.0E-03	5.4E-09	1.6E-01	1.4E-02	1.2E-11	6.1E-01	1.3E-07	1.0E-03	8.5E-11	1.6E-01	1.4E-02	1.8E-13	0.215813514
1.0E-03	3.7E-09	1.6E-01	1.4E-02	7.9E-12	5.3E-01	1.3E-07	1.0E-03	7.3E-11	1.6E-01	1.4E-02	1.6E-13	0.103978815
1.0E-03	2.6E-09	1.6E-01	1.4E-02	5.5E-12	4.6E-01	1.3E-07	1.0E-03	6.3E-11	1.6E-01	1.4E-02	1.4E-13	0.057111267
1.0E-03	1.9E-09	1.6E-01	1.4E-02	4.1E-12	4.0E-01	1.3E-07	1.0E-03	5.5E-11	1.6E-01	1.4E-02	1.2E-13	0.035911244
1.0E-03	1.4E-09	1.6E-01	1.4E-02	3.1E-12	3.4E-01	1.3E-07	1.0E-03	4.7E-11	1.6E-01	1.4E-02	1.0E-13	0.023639908
1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.4E-12	3.0E-01	1.3E-07	1.0E-03	4.1E-11	1.6E-01	1.4E-02	8.8E-14	0.016705858
1.0E-03	8.9E-10	1.6E-01	1.4E-02	1.9E-12	2.6E-01	1.3E-07	1.0E-03	3.6E-11	1.6E-01	1.4E-02	7.7E-14	0.012308088
1.0E-03	7.0E-10	1.6E-01	1.4E-02	1.5E-12	6.5E-01	1.3E-07	1.0E-03	9.1E-11	1.6E-01	1.4E-02	1.9E-13	0.003833023
1.0E-03	9.0E-10	1.6E-01	1.4E-02	1.9E-12	7.0E-01	1.3E-07	1.0E-03	9.7E-11	1.6E-01	1.4E-02	2.1E-13	0.004897894
1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.6E-12	7.4E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	1.4E-02	2.2E-13	0.006719728
1.0E-03	1.7E-09	1.6E-01	1.4E-02	3.6E-12	7.6E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.3E-13	0.009612633
1.0E-03	2.4E-09	1.6E-01	1.4E-02	5.2E-12	7.6E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.3E-13	0.014844814
1.0E-03	3.8E-09	1.6E-01	1.4E-02	8.2E-12	5.3E-01	1.3E-07	1.0E-03	7.4E-11	1.6E-01	1.4E-02	1.6E-13	0.329189359
1.0E-03	2.8E-09	1.6E-01	1.4E-02	6.1E-12	4.7E-01	1.3E-07	1.0E-03	6.5E-11	1.6E-01	1.4E-02	1.4E-13	0.097476099
1.0E-03	2.1E-09	1.6E-01	1.4E-02	4.5E-12	4.1E-01	1.3E-07	1.0E-03	5.7E-11	1.6E-01	1.4E-02	1.2E-13	0.047727782
1.0E-03	1.6E-09	1.6E-01	1.4E-02	3.5E-12	3.6E-01	1.3E-07	1.0E-03	5.0E-11	1.6E-01	1.4E-02	1.1E-13	0.030544178
1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.7E-12	3.2E-01	1.3E-07	1.0E-03	4.4E-11	1.6E-01	1.4E-02	9.5E-14	0.020212731
1.0E-03	1.0E-09	1.6E-01	1.4E-02	2.2E-12	2.8E-01	1.3E-07	1.0E-03	3.9E-11	1.6E-01	1.4E-02	8.3E-14	0.014251162
1.0E-03	8.1E-10	1.6E-01	1.4E-02	1.7E-12	2.4E-01	1.3E-07	1.0E-03	3.4E-11	1.6E-01	1.4E-02	7.3E-14	0.010616599
1.0E-03	6.1E-10	1.6E-01	1.4E-02	1.3E-12	5.3E-01	1.3E-07	1.0E-03	7.3E-11	1.6E-01	1.4E-02	1.6E-13	0.003475586
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1.0E-03	9.8E-10	1.6E-01	1.4E-02	2.1E-12	6.0E-01	1.3E-07	1.0E-03	8.2E-11	1.6E-01	1.4E-02	1.8E-13	0.005894335
1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.8E-12	6.1E-01	1.3E-07	1.0E-03	8.5E-11	1.6E-01	1.4E-02	1.8E-13	0.008652613
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1.0E-03	2.3E-09	1.6E-01	1.4E-02	5.0E-12	6.1E-01	1.3E-07	1.0E-03	8.4E-11	1.6E-01	1.4E-02	1.8E-13	0.02282691
1.0E-03	2.9E-09	1.6E-01	1.4E-02	6.2E-12	5.8E-01	1.3E-07	1.0E-03	8.1E-11	1.6E-01	1.4E-02	1.7E-13	0.047122838
1.0E-03	3.2E-09	1.6E-01	1.4E-02	6.8E-12	5.5E-01	1.3E-07	1.0E-03	7.6E-11	1.6E-01	1.4E-02	1.6E-13	0.128535666
1.0E-03	3.1E-09	1.6E-01	1.4E-02	6.7E-12	5.1E-01	1.3E-07	1.0E-03	7.0E-11	1.6E-01	1.4E-02	1.5E-13	0.210596976
1.0E-03	2.7E-09	1.6E-01	1.4E-02	5.9E-12	4.6E-01	1.3E-07	1.0E-03	6.4E-11	1.6E-01	1.4E-02	1.4E-13	0.136955359
1.0E-03	2.2E-09	1.6E-01	1.4E-02	4.8E-12	4.2E-01	1.3E-07	1.0E-03	5.8E-11	1.6E-01	1.4E-02	1.2E-13	0.066613662
1.0E-03	1.7E-09	1.6E-01	1.4E-02	3.7E-12	3.7E-01	1.3E-07	1.0E-03	5.1E-11	1.6E-01	1.4E-02	1.1E-13	0.034545375
1.0E-03	1.4E-09	1.6E-01	1.4E-02	2.9E-12	3.2E-01	1.3E-07	1.0E-03	4.5E-11	1.6E-01	1.4E-02	9.7E-14	0.022505003
1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.4E-12	2.9E-01	1.3E-07	1.0E-03	4.1E-11	1.6E-01	1.4E-02	8.8E-14	0.0165749
1.0E-03	9.1E-10	1.6E-01	1.4E-02	2.0E-12	2.6E-01	1.3E-07	1.0E-03	3.6E-11	1.6E-01	1.4E-02	7.8E-14	0.011966008
1.0E-03	7.4E-10	1.6E-01	1.4E-02	1.6E-12	2.3E-01	1.3E-07	1.0E-03	3.2E-11	1.6E-01	1.4E-02	6.9E-14	0.009051904
1.0E-03	5.3E-10	1.6E-01	1.4E-02	1.1E-12	4.4E-01	1.3E-07	1.0E-03	6.0E-11	1.6E-01	1.4E-02	1.3E-13	0.003230946
1.0E-03	6.5E-10	1.6E-01	1.4E-02	1.4E-12	4.7E-01	1.3E-07	1.0E-03	6.5E-11	1.6E-01	1.4E-02	1.4E-13	0.00408259
1.0E-03	8.0E-10	1.6E-01	1.4E-02	1.7E-12	4.9E-01	1.3E-07	1.0E-03	6.8E-11	1.6E-01	1.4E-02	1.5E-13	0.005267978
1.0E-03	1.0E-09	1.6E-01	1.4E-02	2.2E-12	5.0E-01	1.3E-07	1.0E-03	7.0E-11	1.6E-01	1.4E-02	1.5E-13	0.007757494
1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.9E-12	5.1E-01	1.3E-07	1.0E-03	7.0E-11	1.6E-01	1.4E-02	1.5E-13	0.011243041
1.0E-03	1.7E-09	1.6E-01	1.4E-02	3.6E-12	5.0E-01	1.3E-07	1.0E-03	7.0E-11	1.6E-01	1.4E-02	1.5E-13	0.017311462
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1.0E-03	2.1E-09	1.6E-01	1.4E-02	4.6E-12	4.7E-01	1.3E-07	1.0E-03	6.4E-11	1.6E-01	1.4E-02	1.4E-13	0.049768721
1.0E-03	2.2E-09	1.6E-01	1.4E-02	4.6E-12	4.4E-01	1.3E-07	1.0E-03	6.0E-11	1.6E-01	1.4E-02	1.3E-13	0.066990492
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1.0E-03	1.7E-09	1.6E-01	1.4E-02	3.8E-12	3.7E-01	1.3E-07	1.0E-03	5.1E-11	1.6E-01	1.4E-02	1.1E-13	0.041452243
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1.0E-03	9.9E-10	1.6E-01	1.4E-02	2.1E-12	2.7E-01	1.3E-07	1.0E-03	3.7E-11	1.6E-01	1.4E-02	8.0E-14	0.013516817

1.0E-03	8.2E-10	1.6E-01	1.4E-02	1.8E-12	2.4E-01	1.3E-07	1.0E-03	3.4E-11	1.6E-01	1.4E-02	7.3E-14	0.010260361
1.0E-03	6.8E-10	1.6E-01	1.4E-02	1.5E-12	2.2E-01	1.3E-07	1.0E-03	3.0E-11	1.6E-01	1.4E-02	6.5E-14	0.007883392
1.0E-03	4.7E-10	1.6E-01	1.4E-02	1.0E-12	3.7E-01	1.3E-07	1.0E-03	5.1E-11	1.6E-01	1.4E-02	1.1E-13	0.002996624
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1.0E-03	6.8E-10	1.6E-01	1.4E-02	1.5E-12	4.1E-01	1.3E-07	1.0E-03	5.7E-11	1.6E-01	1.4E-02	1.2E-13	0.005071591
1.0E-03	8.4E-10	1.6E-01	1.4E-02	1.8E-12	4.2E-01	1.3E-07	1.0E-03	5.8E-11	1.6E-01	1.4E-02	1.3E-13	0.006678816
1.0E-03	1.0E-09	1.6E-01	1.4E-02	2.2E-12	4.3E-01	1.3E-07	1.0E-03	5.9E-11	1.6E-01	1.4E-02	1.3E-13	0.009064269
1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.7E-12	4.2E-01	1.3E-07	1.0E-03	5.9E-11	1.6E-01	1.4E-02	1.3E-13	0.012957522
1.0E-03	1.4E-09	1.6E-01	1.4E-02	3.1E-12	4.1E-01	1.3E-07	1.0E-03	5.7E-11	1.6E-01	1.4E-02	1.2E-13	0.019202881
1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.3E-12	4.0E-01	1.3E-07	1.0E-03	5.5E-11	1.6E-01	1.4E-02	1.2E-13	0.027093169
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1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.2E-12	3.5E-01	1.3E-07	1.0E-03	4.9E-11	1.6E-01	1.4E-02	1.0E-13	0.032059298
1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.8E-12	3.2E-01	1.3E-07	1.0E-03	4.4E-11	1.6E-01	1.4E-02	9.6E-14	0.025134989
1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.5E-12	3.0E-01	1.3E-07	1.0E-03	4.1E-11	1.6E-01	1.4E-02	8.8E-14	0.019430028
1.0E-03	1.0E-09	1.6E-01	1.4E-02	2.2E-12	2.7E-01	1.3E-07	1.0E-03	3.7E-11	1.6E-01	1.4E-02	8.0E-14	0.014543997
1.0E-03	8.3E-10	1.6E-01	1.4E-02	1.8E-12	2.4E-01	1.3E-07	1.0E-03	3.3E-11	1.6E-01	1.4E-02	7.2E-14	0.010659544
1.0E-03	7.4E-10	1.6E-01	1.4E-02	1.6E-12	2.3E-01	1.3E-07	1.0E-03	3.1E-11	1.6E-01	1.4E-02	6.7E-14	0.008888059
1.0E-03	6.3E-10	1.6E-01	1.4E-02	1.4E-12	2.1E-01	1.3E-07	1.0E-03	2.8E-11	1.6E-01	1.4E-02	6.1E-14	0.007038789
1.0E-03	4.1E-10	1.6E-01	1.4E-02	8.8E-13	3.1E-01	1.3E-07	1.0E-03	4.3E-11	1.6E-01	1.4E-02	9.4E-14	0.002935258
1.0E-03	4.8E-10	1.6E-01	1.4E-02	1.0E-12	3.3E-01	1.3E-07	1.0E-03	4.6E-11	1.6E-01	1.4E-02	9.9E-14	0.003583261
1.0E-03	5.7E-10	1.6E-01	1.4E-02	1.2E-12	3.5E-01	1.3E-07	1.0E-03	4.8E-11	1.6E-01	1.4E-02	1.0E-13	0.004451433
1.0E-03	6.9E-10	1.6E-01	1.4E-02	1.5E-12	3.6E-01	1.3E-07	1.0E-03	4.9E-11	1.6E-01	1.4E-02	1.1E-13	0.005619425
1.0E-03	8.2E-10	1.6E-01	1.4E-02	1.8E-12	3.6E-01	1.3E-07	1.0E-03	5.0E-11	1.6E-01	1.4E-02	1.1E-13	0.007309605
1.0E-03	9.6E-10	1.6E-01	1.4E-02	2.1E-12	3.6E-01	1.3E-07	1.0E-03	5.0E-11	1.6E-01	1.4E-02	1.1E-13	0.009893919
1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.3E-12	3.5E-01	1.3E-07	1.0E-03	4.9E-11	1.6E-01	1.4E-02	1.1E-13	0.013450357
1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.5E-12	3.4E-01	1.3E-07	1.0E-03	4.7E-11	1.6E-01	1.4E-02	1.0E-13	0.017121398
1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.5E-12	3.3E-01	1.3E-07	1.0E-03	4.5E-11	1.6E-01	1.4E-02	9.8E-14	0.019851633
1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.5E-12	3.1E-01	1.3E-07	1.0E-03	4.3E-11	1.6E-01	1.4E-02	9.2E-14	0.020027437
1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.3E-12	2.9E-01	1.3E-07	1.0E-03	4.0E-11	1.6E-01	1.4E-02	8.7E-14	0.018362243
1.0E-03	9.9E-10	1.6E-01	1.4E-02	2.1E-12	2.7E-01	1.3E-07	1.0E-03	3.8E-11	1.6E-01	1.4E-02	8.1E-14	0.015503862
1.0E-03	8.8E-10	1.6E-01	1.4E-02	1.9E-12	2.5E-01	1.3E-07	1.0E-03	3.5E-11	1.6E-01	1.4E-02	7.5E-14	0.012424792
1.0E-03	7.2E-10	1.6E-01	1.4E-02	1.6E-12	2.2E-01	1.3E-07	1.0E-03	3.1E-11	1.6E-01	1.4E-02	6.6E-14	0.009050507
1.0E-03	6.3E-10	1.6E-01	1.4E-02	1.3E-12	2.0E-01	1.3E-07	1.0E-03	2.8E-11	1.6E-01	1.4E-02	6.0E-14	0.007222795
1.0E-03	5.7E-10	1.6E-01	1.4E-02	1.2E-12	1.9E-01	1.3E-07	1.0E-03	2.7E-11	1.6E-01	1.4E-02	5.7E-14	0.006315628
1.0E-03	3.6E-10	1.6E-01	1.4E-02	7.8E-13	2.7E-01	1.3E-07	1.0E-03	3.8E-11	1.6E-01	1.4E-02	8.1E-14	0.002694875
1.0E-03	4.2E-10	1.6E-01	1.4E-02	9.1E-13	2.9E-01	1.3E-07	1.0E-03	4.0E-11	1.6E-01	1.4E-02	8.5E-14	0.003204334
1.0E-03	4.9E-10	1.6E-01	1.4E-02	1.1E-12	3.0E-01	1.3E-07	1.0E-03	4.1E-11	1.6E-01	1.4E-02	8.9E-14	0.003866838
1.0E-03	5.8E-10	1.6E-01	1.4E-02	1.2E-12	3.1E-01	1.3E-07	1.0E-03	4.2E-11	1.6E-01	1.4E-02	9.1E-14	0.004764608
1.0E-03	6.7E-10	1.6E-01	1.4E-02	1.4E-12	3.1E-01	1.3E-07	1.0E-03	4.3E-11	1.6E-01	1.4E-02	9.3E-14	0.005999428
1.0E-03	7.6E-10	1.6E-01	1.4E-02	1.6E-12	3.1E-01	1.3E-07	1.0E-03	4.3E-11	1.6E-01	1.4E-02	9.3E-14	0.007694102
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1.0E-03	9.0E-10	1.6E-01	1.4E-02	1.9E-12	3.0E-01	1.3E-07	1.0E-03	4.1E-11	1.6E-01	1.4E-02	8.9E-14	0.011863363
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1.0E-03	9.2E-10	1.6E-01	1.4E-02	2.0E-12	2.7E-01	1.3E-07	1.0E-03	3.8E-11	1.6E-01	1.4E-02	8.2E-14	0.013869465
1.0E-03	8.8E-10	1.6E-01	1.4E-02	1.9E-12	2.6E-01	1.3E-07	1.0E-03	3.6E-11	1.6E-01	1.4E-02	7.8E-14	0.013263828
1.0E-03	8.2E-10	1.6E-01	1.4E-02	1.8E-12	2.4E-01	1.3E-07	1.0E-03	3.4E-11	1.6E-01	1.4E-02	7.3E-14	0.011817152
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1.0E-03	6.7E-10	1.6E-01	1.4E-02	1.4E-12	2.1E-01	1.3E-07	1.0E-03	2.9E-11	1.6E-01	1.4E-02	6.3E-14	0.008304774
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1.0E-03	4.9E-10	1.6E-01	1.4E-02	1.1E-12	1.7E-01	1.3E-07	1.0E-03	2.4E-11	1.6E-01	1.4E-02	5.1E-14	0.005244234
1.0E-03	3.2E-10	1.6E-01	1.4E-02	6.9E-13	2.4E-01	1.3E-07	1.0E-03	3.3E-11	1.6E-01	1.4E-02	7.1E-14	0.002390729
1.0E-03	3.7E-10	1.6E-01	1.4E-02	7.9E-13	2.5E-01	1.3E-07	1.0E-03	3.5E-11	1.6E-01	1.4E-02	7.4E-14	0.002823102
1.0E-03	4.2E-10	1.6E-01	1.4E-02	9.1E-13	2.6E-01	1.3E-07	1.0E-03	3.6E-11	1.6E-01	1.4E-02	7.7E-14	0.003346547
1.0E-03	4.9E-10	1.6E-01	1.4E-02	1.0E-12	2.7E-01	1.3E-07	1.0E-03	3.7E-11	1.6E-01	1.4E-02	7.9E-14	0.004010498
1.0E-03	5.6E-10	1.6E-01	1.4E-02	1.2E-12	2.7E-01	1.3E-07	1.0E-03	3.7E-11	1.6E-01	1.4E-02	8.0E-14	0.004931678
1.0E-03	6.2E-10	1.6E-01	1.4E-02	1.3E-12	2.7E-01	1.3E-07	1.0E-03	3.7E-11	1.6E-01	1.4E-02	8.1E-14	0.006047164
1.0E-03	6.8E-10	1.6E-01	1.4E-02	1.5E-12	2.7E-01	1.3E-07	1.0E-03	3.7E-11	1.6E-01	1.4E-02	8.0E-14	0.007393765
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1.0E-03	7.5E-10	1.6E-01	1.4E-02	1.6E-12	2.5E-01	1.3E-07	1.0E-03	3.5E-11	1.6E-01	1.4E-02	7.6E-14	0.009660077
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1.0E-03	7.2E-10	1.6E-01	1.4E-02	1.6E-12	2.3E-01	1.3E-07	1.0E-03	3.2E-11	1.6E-01	1.4E-02	7.0E-14	0.009852291
1.0E-03	6.9E-10	1.6E-01	1.4E-02	1.5E-12	2.2E-01	1.3E-07	1.0E-03	3.1E-11	1.6E-01	1.4E-02	6.6E-14	0.009135851
1.0E-03	6.4E-10	1.6E-01	1.4E-02	1.4E-12	2.1E-01	1.3E-07	1.0E-03	2.9E-11	1.6E-01	1.4E-02	6.2E-14	0.008133339
1.0E-03	5.9E-10	1.6E-01	1.4E-02	1.3E-12	1.9E-01	1.3E-07	1.0E-03	2.7E-11	1.6E-01	1.4E-02	5.8E-14	0.007037267
1.0E-03	5.2E-10	1.6E-01	1.4E-02	1.1E-12	1.8E-01	1.3E-07	1.0E-03	2.5E-11	1.6E-01	1.4E-02	5.3E-14	0.005883591
1.0E-03	4.4E-10	1.6E-01	1.4E-02	9.5E-13	1.6E-01	1.3E-07	1.0E-03	2.2E-11	1.6E-01	1.4E-02	4.8E-14	0.004656514
1.0E-03	2.9E-10	1.6E-01	1.4E-02	6.2E-13	2.1E-01	1.3E-07	1.0E-03	2.9E-11	1.6E-01	1.4E-02	6.2E-14	0.002166673
1.0E-03	3.2E-10	1.6E-01	1.4E-02	7.0E-13	2.2E-01	1.3E-07	1.0E-03	3.0E-11	1.6E-01	1.4E-02	6.5E-14	0.002494323
1.0E-03	3.7E-10	1.6E-01	1.4E-02	7.9E-13	2.3E-01	1.3E-07	1.0E-03	3.1E-11	1.6E-01	1.4E-02	6.8E-14	0.002914161
1.0E-03	4.2E-10	1.6E-01	1.4E-02	9.0E-13	2.3E-01	1.3E-07	1.0E-03	3.2E-11	1.6E-01	1.4E-02	6.9E-14	0.003449612
1.0E-03	4.7E-10	1.6E-01	1.4E-02	1.0E-12	2.4E-01	1.3E-07	1.0E-03	3.3E-11	1.6E-01	1.4E-02	7.0E-14	0.004117409
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1.0E-03	5.6E-10	1.6E-01	1.4E-02	1.2E-12	2.4E-01	1.3E-07	1.0E-03	3.3E-11	1.6E-01	1.4E-02	7.0E-14	0.005812083
1.0E-03	6.0E-10	1.6E-01	1.4E-02	1.3E-12	2.3E-01	1.3E-07	1.0E-03	3.2E-11	1.6E-01	1.4E-02	6.9E-14	0.006661629
1.0E-03	6.1E-10	1.6E-01	1.4E-02	1.3E-12	2.3E-01	1.3E-07	1.0E-03	3.1E-11	1.6E-01	1.4E-02	6.7E-14	0.007296247
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1.0E-03	5.8E-10	1.6E-01	1.4E-02	1.2E-12	2.0E-01	1.3E-07	1.0E-03	2.8E-11	1.6E-01	1.4E-02	6.0E-14	0.007206422
1.0E-03	5.5E-10	1.6E-01	1.4E-02	1.2E-12	1.9E-01	1.3E-07	1.0E-03	2.6E-11	1.6E-01	1.4E-02	5.7E-14	0.006618127
1.0E-03	5.1E-10	1.6E-01	1.4E-02	1.1E-12	1.8E-01	1.3E-07	1.0E-03	2.5E-11	1.6E-01	1.4E-02	5.3E-14	0.005917907
1.0E-03	4.6E-10	1.6E-01	1.4E-02	1.0E-12	1.7E-01	1.3E-07	1.0E-03	2.3E-11	1.6E-01	1.4E-02	5.0E-14	0.005150989
1.0E-03	4.0E-10	1.6E-01	1.4E-02	8.6E-13	1.5E-01	1.3E-07	1.0E-03	2.1E-11	1.6E-01	1.4E-02	4.5E-14	0.004195058
1.0E-03	1.8E-08	1.6E-01	1.4E-02	3.9E-11	2.2E+00	1.3E-07	1.0E-03	3.0E-10	1.6E-01	1.4E-02	6.6E-13	0.012130256
1.0E-03	2.4E-08	1.6E-01	1.4E-02	5.1E-11	2.2E+00	1.3E-07	1.0E-03	3.0E-10	1.6E-01	1.4E-02	6.4E-13	0.012847566
1.0E-03	3.1E-08	1.6E-01	1.4E-02	6.7E-11	2.1E+00	1.3E-07	1.0E-03	2.9E-10	1.6E-01	1.4E-02	6.3E-13	0.013647538
1.0E-03	4.1E-08	1.6E-01	1.4E-02	8.8E-11	2.1E+00	1.3E-07	1.0E-03	2.8E-10	1.6E-01	1.4E-02	6.1E-13	0.014516595
1.0E-03	5.5E-08	1.6E-01	1.4E-02	1.2E-10	2.0E+00	1.3E-07	1.0E-03	2.8E-10	1.6E-01	1.4E-02	6.0E-13	0.015536383
1.0E-03	6.9E-08	1.6E-01	1.4E-02	1.5E-10	1.9E+00	1.3E-07	1.0E-03	2.7E-10	1.6E-01	1.4E-02	5.8E-13	0.016571175
1.0E-03	8.1E-08	1.6E-01	1.4E-02	1.7E-10	1.9E+00	1.3E-07	1.0E-03	2.6E-10	1.6E-01	1.4E-02	5.6E-13	0.017526564
1.0E-03	8.8E-08	1.6E-01	1.4E-02	1.9E-10	1.8E+00	1.3E-07	1.0E-03	2.5E-10	1.6E-01	1.4E-02	5.4E-13	0.018495772
1.0E-03	9.0E-08	1.6E-01	1.4E-02	1.9E-10	1.7E+00	1.3E-07	1.0E-03	2.4E-10	1.6E-01	1.4E-02	5.2E-13	0.019530593
1.0E-03	8.7E-08	1.6E-01	1.4E-02	1.9E-10	1.7E+00	1.3E-07	1.0E-03	2.3E-10	1.6E-01	1.4E-02	5.0E-13	0.020701299
1.0E-03	7.8E-08	1.6E-01	1.4E-02	1.7E-10	1.6E+00	1.3E-07	1.0E-03	2.2E-10	1.6E-01	1.4E-02	4.8E-13	0.022012623
1.0E-03	6.6E-08	1.6E-01	1.4E-02	1.4E-10	1.5E+00	1.3E-07	1.0E-03	2.1E-10	1.6E-01	1.4E-02	4.6E-13	0.023047807
1.0E-03	5.4E-08	1.6E-01	1.4E-02	1.2E-10	1.5E+00	1.3E-07	1.0E-03	2.0E-10	1.6E-01	1.4E-02	4.4E-13	0.024233446
1.0E-03	4.5E-08	1.6E-01	1.4E-02	9.6E-11	1.4E+00	1.3E-07	1.0E-03	2.0E-10	1.6E-01	1.4E-02	4.2E-13	0.025539043
1.0E-03	3.7E-08	1.6E-01	1.4E-02	7.9E-11	1.3E+00	1.3E-07	1.0E-03	1.9E-10	1.6E-01	1.4E-02	4.0E-13	0.027070989
1.0E-03	3.1E-08	1.6E-01	1.4E-02	6.6E-11	1.3E+00	1.3E-07	1.0E-03	1.8E-10	1.6E-01	1.4E-02	3.8E-13	0.02828201

1.0E-03	2.6E-08	1.6E-01	1.4E-02	5.6E-11	1.2E+00	1.3E-07	1.0E-03	1.7E-10	1.6E-01	1.4E-02	3.7E-13	0.029878817
1.0E-03	2.2E-08	1.6E-01	1.4E-02	4.7E-11	1.2E+00	1.3E-07	1.0E-03	1.6E-10	1.6E-01	1.4E-02	3.5E-13	0.031549765
1.0E-03	1.9E-08	1.6E-01	1.4E-02	4.0E-11	1.1E+00	1.3E-07	1.0E-03	1.5E-10	1.6E-01	1.4E-02	3.3E-13	0.032852814
1.0E-03	1.6E-08	1.6E-01	1.4E-02	3.5E-11	1.1E+00	1.3E-07	1.0E-03	1.5E-10	1.6E-01	1.4E-02	3.1E-13	0.033720549
1.0E-03	1.4E-08	1.6E-01	1.4E-02	3.0E-11	1.0E+00	1.3E-07	1.0E-03	1.4E-10	1.6E-01	1.4E-02	3.0E-13	0.034302858
1.0E-03	1.2E-08	1.6E-01	1.4E-02	2.7E-11	9.5E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	1.4E-02	2.8E-13	0.034606381
1.0E-03	1.1E-08	1.6E-01	1.4E-02	2.3E-11	9.1E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	1.4E-02	2.7E-13	0.034794615
1.0E-03	9.7E-09	1.6E-01	1.4E-02	2.1E-11	8.7E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	1.4E-02	2.6E-13	0.034763879
1.0E-03	8.6E-09	1.6E-01	1.4E-02	1.9E-11	8.3E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.5E-13	0.03451565
1.0E-03	7.8E-09	1.6E-01	1.4E-02	1.7E-11	7.9E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.3E-13	0.03411968
1.0E-03	2.1E-08	1.6E-01	1.4E-02	4.5E-11	2.0E+00	1.3E-07	1.0E-03	2.8E-10	1.6E-01	1.4E-02	6.1E-13	0.013008905
1.0E-03	2.8E-08	1.6E-01	1.4E-02	6.0E-11	2.0E+00	1.3E-07	1.0E-03	2.8E-10	1.6E-01	1.4E-02	6.0E-13	0.013827406
1.0E-03	3.9E-08	1.6E-01	1.4E-02	8.3E-11	2.0E+00	1.3E-07	1.0E-03	2.7E-10	1.6E-01	1.4E-02	5.8E-13	0.014751935
1.0E-03	5.5E-08	1.6E-01	1.4E-02	1.2E-10	1.9E+00	1.3E-07	1.0E-03	2.7E-10	1.6E-01	1.4E-02	5.7E-13	0.015779619
1.0E-03	2.0E-08	1.6E-01	1.4E-02	4.2E-11	1.9E+00	1.3E-07	1.0E-03	2.6E-10	1.6E-01	1.4E-02	5.6E-13	0.016936763
1.0E-03	2.8E-08	1.6E-01	1.4E-02	6.0E-11	1.8E+00	1.3E-07	1.0E-03	2.5E-10	1.6E-01	1.4E-02	5.4E-13	0.018160126
1.0E-03	4.1E-08	1.6E-01	1.4E-02	8.8E-11	1.8E+00	1.3E-07	1.0E-03	2.4E-10	1.6E-01	1.4E-02	5.2E-13	0.019294306
1.0E-03	6.0E-08	1.6E-01	1.4E-02	1.3E-10	1.7E+00	1.3E-07	1.0E-03	2.4E-10	1.6E-01	1.4E-02	5.1E-13	0.020502669
1.0E-03	6.1E-08	1.6E-01	1.4E-02	1.3E-10	1.6E+00	1.3E-07	1.0E-03	2.3E-10	1.6E-01	1.4E-02	4.9E-13	0.021811596
1.0E-03	4.5E-08	1.6E-01	1.4E-02	9.7E-11	1.6E+00	1.3E-07	1.0E-03	2.2E-10	1.6E-01	1.4E-02	4.7E-13	0.023260218
1.0E-03	3.4E-08	1.6E-01	1.4E-02	7.3E-11	1.5E+00	1.3E-07	1.0E-03	2.1E-10	1.6E-01	1.4E-02	4.5E-13	0.024867226
1.0E-03	8.8E-08	1.6E-01	1.4E-02	1.9E-10	1.5E+00	1.3E-07	1.0E-03	2.0E-10	1.6E-01	1.4E-02	4.4E-13	0.02621762
1.0E-03	6.7E-08	1.6E-01	1.4E-02	1.4E-10	1.4E+00	1.3E-07	1.0E-03	1.9E-10	1.6E-01	1.4E-02	4.2E-13	0.02765012
1.0E-03	5.2E-08	1.6E-01	1.4E-02	1.1E-10	1.3E+00	1.3E-07	1.0E-03	1.9E-10	1.6E-01	1.4E-02	4.0E-13	0.029280259
1.0E-03	4.1E-08	1.6E-01	1.4E-02	8.8E-11	1.3E+00	1.3E-07	1.0E-03	1.8E-10	1.6E-01	1.4E-02	3.8E-13	0.031336184
1.0E-03	3.3E-08	1.6E-01	1.4E-02	7.1E-11	1.2E+00	1.3E-07	1.0E-03	1.7E-10	1.6E-01	1.4E-02	3.7E-13	0.032901064
1.0E-03	2.7E-08	1.6E-01	1.4E-02	5.9E-11	1.2E+00	1.3E-07	1.0E-03	1.6E-10	1.6E-01	1.4E-02	3.5E-13	0.034745078
1.0E-03	2.3E-08	1.6E-01	1.4E-02	4.9E-11	1.1E+00	1.3E-07	1.0E-03	1.6E-10	1.6E-01	1.4E-02	3.3E-13	0.036620168
1.0E-03	1.9E-08	1.6E-01	1.4E-02	4.1E-11	1.1E+00	1.3E-07	1.0E-03	1.5E-10	1.6E-01	1.4E-02	3.2E-13	0.038096164
1.0E-03	1.6E-08	1.6E-01	1.4E-02	3.5E-11	1.0E+00	1.3E-07	1.0E-03	1.4E-10	1.6E-01	1.4E-02	3.0E-13	0.038968205
1.0E-03	1.4E-08	1.6E-01	1.4E-02	3.0E-11	9.7E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	1.4E-02	2.9E-13	0.039424573
1.0E-03	1.2E-08	1.6E-01	1.4E-02	2.6E-11	9.2E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	1.4E-02	2.8E-13	0.039557027
1.0E-03	1.1E-08	1.6E-01	1.4E-02	2.3E-11	8.8E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	1.4E-02	2.6E-13	0.039528914
1.0E-03	9.6E-09	1.6E-01	1.4E-02	2.1E-11	8.4E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	1.4E-02	2.5E-13	0.039210695
1.0E-03	8.5E-09	1.6E-01	1.4E-02	1.8E-11	8.0E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.4E-13	0.038665571
1.0E-03	7.6E-09	1.6E-01	1.4E-02	1.6E-11	7.7E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.3E-13	0.037968428
1.0E-03	2.3E-08	1.6E-01	1.4E-02	5.0E-11	1.9E+00	1.3E-07	1.0E-03	2.6E-10	1.6E-01	1.4E-02	5.7E-13	0.013970061
1.0E-03	3.2E-08	1.6E-01	1.4E-02	6.9E-11	1.9E+00	1.3E-07	1.0E-03	2.6E-10	1.6E-01	1.4E-02	5.6E-13	0.014929713
1.0E-03	4.7E-08	1.6E-01	1.4E-02	1.0E-10	1.8E+00	1.3E-07	1.0E-03	2.5E-10	1.6E-01	1.4E-02	5.5E-13	0.016026237
1.0E-03	7.3E-08	1.6E-01	1.4E-02	1.6E-10	1.8E+00	1.3E-07	1.0E-03	2.5E-10	1.6E-01	1.4E-02	5.3E-13	0.01724994
1.0E-03	2.3E-08	1.6E-01	1.4E-02	5.0E-11	1.7E+00	1.3E-07	1.0E-03	2.4E-10	1.6E-01	1.4E-02	5.2E-13	0.01857954
1.0E-03	3.5E-08	1.6E-01	1.4E-02	7.5E-11	1.7E+00	1.3E-07	1.0E-03	2.4E-10	1.6E-01	1.4E-02	5.1E-13	0.020061238
1.0E-03	5.6E-08	1.6E-01	1.4E-02	1.2E-10	1.7E+00	1.3E-07	1.0E-03	2.3E-10	1.6E-01	1.4E-02	4.9E-13	0.02144088
1.0E-03	0.0E+00	1.6E-01	1.4E-02	0.0E+00	1.6E+00	1.3E-07	1.0E-03	2.2E-10	1.6E-01	1.4E-02	4.8E-13	0.022883791
1.0E-03	0.0E+00	1.6E-01	1.4E-02	0.0E+00	1.6E+00	1.3E-07	1.0E-03	2.1E-10	1.6E-01	1.4E-02	4.6E-13	0.024538705
1.0E-03	5.6E-08	1.6E-01	1.4E-02	1.2E-10	1.5E+00	1.3E-07	1.0E-03	2.1E-10	1.6E-01	1.4E-02	4.5E-13	0.026456555
1.0E-03	3.9E-08	1.6E-01	1.4E-02	8.4E-11	1.4E+00	1.3E-07	1.0E-03	2.0E-10	1.6E-01	1.4E-02	4.3E-13	0.02848069
1.0E-03	2.9E-08	1.6E-01	1.4E-02	6.2E-11	1.4E+00	1.3E-07	1.0E-03	1.9E-10	1.6E-01	1.4E-02	4.1E-13	0.030115125
1.0E-03	7.9E-08	1.6E-01	1.4E-02	1.7E-10	1.3E+00	1.3E-07	1.0E-03	1.8E-10	1.6E-01	1.4E-02	4.0E-13	0.032077824

1.0E-03	5.7E-08	1.6E-01	1.4E-02	1.2E-10	1.3E+00	1.3E-07	1.0E-03	1.8E-10	1.6E-01	1.4E-02	3.8E-13	0.034108904
1.0E-03	4.3E-08	1.6E-01	1.4E-02	9.4E-11	1.2E+00	1.3E-07	1.0E-03	1.7E-10	1.6E-01	1.4E-02	3.7E-13	0.03672807
1.0E-03	3.4E-08	1.6E-01	1.4E-02	7.4E-11	1.2E+00	1.3E-07	1.0E-03	1.6E-10	1.6E-01	1.4E-02	3.5E-13	0.038788499
1.0E-03	2.8E-08	1.6E-01	1.4E-02	6.0E-11	1.1E+00	1.3E-07	1.0E-03	1.6E-10	1.6E-01	1.4E-02	3.4E-13	0.040942267
1.0E-03	2.3E-08	1.6E-01	1.4E-02	4.9E-11	1.1E+00	1.3E-07	1.0E-03	1.5E-10	1.6E-01	1.4E-02	3.2E-13	0.043087297
1.0E-03	1.9E-08	1.6E-01	1.4E-02	4.1E-11	1.0E+00	1.3E-07	1.0E-03	1.4E-10	1.6E-01	1.4E-02	3.1E-13	0.044613526
1.0E-03	1.6E-08	1.6E-01	1.4E-02	3.5E-11	9.8E-01	1.3E-07	1.0E-03	1.4E-10	1.6E-01	1.4E-02	2.9E-13	0.045352011
1.0E-03	1.4E-08	1.6E-01	1.4E-02	3.0E-11	9.4E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	1.4E-02	2.8E-13	0.045555189
1.0E-03	1.2E-08	1.6E-01	1.4E-02	2.6E-11	9.0E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	1.4E-02	2.7E-13	0.045403973
1.0E-03	1.1E-08	1.6E-01	1.4E-02	2.3E-11	8.6E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	1.4E-02	2.5E-13	0.044996742
1.0E-03	9.4E-09	1.6E-01	1.4E-02	2.0E-11	8.2E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.4E-13	0.044282522
1.0E-03	8.3E-09	1.6E-01	1.4E-02	1.8E-11	7.8E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.3E-13	0.043341925
1.0E-03	7.4E-09	1.6E-01	1.4E-02	1.6E-11	7.5E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	1.4E-02	2.2E-13	0.042252057
1.0E-03	2.4E-08	1.6E-01	1.4E-02	5.3E-11	1.8E+00	1.3E-07	1.0E-03	2.5E-10	1.6E-01	1.4E-02	5.3E-13	0.014980658
1.0E-03	3.5E-08	1.6E-01	1.4E-02	7.5E-11	1.8E+00	1.3E-07	1.0E-03	2.4E-10	1.6E-01	1.4E-02	5.2E-13	0.016153575
1.0E-03	5.3E-08	1.6E-01	1.4E-02	1.1E-10	1.7E+00	1.3E-07	1.0E-03	2.4E-10	1.6E-01	1.4E-02	5.1E-13	0.017466802
1.0E-03	1.7E-08	1.6E-01	1.4E-02	3.6E-11	1.7E+00	1.3E-07	1.0E-03	2.3E-10	1.6E-01	1.4E-02	5.0E-13	0.018836735
1.0E-03	2.5E-08	1.6E-01	1.4E-02	5.5E-11	1.6E+00	1.3E-07	1.0E-03	2.3E-10	1.6E-01	1.4E-02	4.9E-13	0.020452427
1.0E-03	4.0E-08	1.6E-01	1.4E-02	8.6E-11	1.6E+00	1.3E-07	1.0E-03	2.2E-10	1.6E-01	1.4E-02	4.8E-13	0.022243865
1.0E-03	0.0E+00	1.6E-01	1.4E-02	0.0E+00	1.6E+00	1.3E-07	1.0E-03	2.2E-10	1.6E-01	1.4E-02	4.6E-13	0.0239676
1.0E-03	0.0E+00	1.6E-01	1.4E-02	0.0E+00	1.5E+00	1.3E-07	1.0E-03	2.1E-10	1.6E-01	1.4E-02	4.5E-13	0.025953465
1.0E-03	0.0E+00	1.6E-01	1.4E-02	0.0E+00	1.5E+00	1.3E-07	1.0E-03	2.0E-10	1.6E-01	1.4E-02	4.4E-13	0.028082892
1.0E-03	6.4E-08	1.6E-01	1.4E-02	1.4E-10	1.4E+00	1.3E-07	1.0E-03	2.0E-10	1.6E-01	1.4E-02	4.2E-13	0.030467112
1.0E-03	4.1E-08	1.6E-01	1.4E-02	8.9E-11	1.4E+00	1.3E-07	1.0E-03	1.9E-10	1.6E-01	1.4E-02	4.1E-13	0.032920971
1.0E-03	3.0E-08	1.6E-01	1.4E-02	6.4E-11	1.3E+00	1.3E-07	1.0E-03	1.8E-10	1.6E-01	1.4E-02	3.9E-13	0.035209875
1.0E-03	8.8E-08	1.6E-01	1.4E-02	1.9E-10	1.3E+00	1.3E-07	1.0E-03	1.8E-10	1.6E-01	1.4E-02	3.8E-13	0.03779864
1.0E-03	6.0E-08	1.6E-01	1.4E-02	1.3E-10	1.2E+00	1.3E-07	1.0E-03	1.7E-10	1.6E-01	1.4E-02	3.6E-13	0.040504155
1.0E-03	4.4E-08	1.6E-01	1.4E-02	9.5E-11	1.2E+00	1.3E-07	1.0E-03	1.6E-10	1.6E-01	1.4E-02	3.5E-13	0.043591169
1.0E-03	3.4E-08	1.6E-01	1.4E-02	7.4E-11	1.1E+00	1.3E-07	1.0E-03	1.6E-10	1.6E-01	1.4E-02	3.4E-13	0.046393522
1.0E-03	2.8E-08	1.6E-01	1.4E-02	5.9E-11	1.1E+00	1.3E-07	1.0E-03	1.5E-10	1.6E-01	1.4E-02	3.2E-13	0.049014264
1.0E-03	2.3E-08	1.6E-01	1.4E-02	4.9E-11	1.0E+00	1.3E-07	1.0E-03	1.4E-10	1.6E-01	1.4E-02	3.1E-13	0.051367315
1.0E-03	1.9E-08	1.6E-01	1.4E-02	4.1E-11	9.9E-01	1.3E-07	1.0E-03	1.4E-10	1.6E-01	1.4E-02	3.0E-13	0.052760121
1.0E-03	1.6E-08	1.6E-01	1.4E-02	3.4E-11	9.5E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	1.4E-02	2.8E-13	0.05319359
1.0E-03	1.4E-08	1.6E-01	1.4E-02	2.9E-11	9.1E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	1.4E-02	2.7E-13	0.052939603
1.0E-03	1.2E-08	1.6E-01	1.4E-02	2.5E-11	8.7E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	1.4E-02	2.6E-13	0.052297261
1.0E-03	1.0E-08	1.6E-01	1.4E-02	2.2E-11	8.3E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.5E-13	0.05129485
1.0E-03	9.1E-09	1.6E-01	1.4E-02	2.0E-11	7.9E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.4E-13	0.050014819
1.0E-03	8.1E-09	1.6E-01	1.4E-02	1.7E-11	7.6E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.3E-13	0.048544462
1.0E-03	7.2E-09	1.6E-01	1.4E-02	1.6E-11	7.3E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	1.4E-02	2.2E-13	0.046942593
1.0E-03	2.4E-08	1.6E-01	1.4E-02	5.3E-11	1.7E+00	1.3E-07	1.0E-03	2.3E-10	1.6E-01	1.4E-02	5.0E-13	0.016030895
1.0E-03	3.5E-08	1.6E-01	1.4E-02	7.6E-11	1.6E+00	1.3E-07	1.0E-03	2.3E-10	1.6E-01	1.4E-02	4.9E-13	0.017425682
1.0E-03	5.4E-08	1.6E-01	1.4E-02	1.2E-10	1.6E+00	1.3E-07	1.0E-03	2.2E-10	1.6E-01	1.4E-02	4.8E-13	0.018980389
1.0E-03	1.7E-08	1.6E-01	1.4E-02	3.7E-11	1.6E+00	1.3E-07	1.0E-03	2.2E-10	1.6E-01	1.4E-02	4.7E-13	0.02063155
1.0E-03	2.6E-08	1.6E-01	1.4E-02	5.5E-11	1.5E+00	1.3E-07	1.0E-03	2.1E-10	1.6E-01	1.4E-02	4.6E-13	0.022603941
1.0E-03	2.6E-08	1.6E-01	1.4E-02	5.7E-11	1.0E+00	1.3E-07	1.0E-03	1.4E-10	1.6E-01	1.4E-02	3.1E-13	0.059714479
1.0E-03	2.2E-08	1.6E-01	1.4E-02	4.7E-11	1.0E+00	1.3E-07	1.0E-03	1.4E-10	1.6E-01	1.4E-02	3.0E-13	0.061981832
1.0E-03	1.8E-08	1.6E-01	1.4E-02	3.9E-11	9.5E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	1.4E-02	2.8E-13	0.063005198
1.0E-03	1.5E-08	1.6E-01	1.4E-02	3.3E-11	9.2E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	1.4E-02	2.7E-13	0.062781759
1.0E-03	1.3E-08	1.6E-01	1.4E-02	2.8E-11	8.8E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	1.4E-02	2.6E-13	0.061782881

1.0E-03	1.1E-08	1.6E-01	1.4E-02	2.4E-11	8.4E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	1.4E-02	2.5E-13	0.060283839
1.0E-03	9.9E-09	1.6E-01	1.4E-02	2.1E-11	8.1E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.4E-13	0.058449004
1.0E-03	8.7E-09	1.6E-01	1.4E-02	1.9E-11	7.7E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.3E-13	0.05641267
1.0E-03	7.7E-09	1.6E-01	1.4E-02	1.7E-11	7.4E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	1.4E-02	2.2E-13	0.054249509
1.0E-03	6.9E-09	1.6E-01	1.4E-02	1.5E-11	7.1E-01	1.3E-07	1.0E-03	9.8E-11	1.6E-01	1.4E-02	2.1E-13	0.052000482
1.0E-03	2.3E-08	1.6E-01	1.4E-02	5.0E-11	1.6E+00	1.3E-07	1.0E-03	2.2E-10	1.6E-01	1.4E-02	4.7E-13	0.017215196
1.0E-03	3.3E-08	1.6E-01	1.4E-02	7.1E-11	1.5E+00	1.3E-07	1.0E-03	2.1E-10	1.6E-01	1.4E-02	4.6E-13	0.018770041
1.0E-03	4.9E-08	1.6E-01	1.4E-02	1.0E-10	1.5E+00	1.3E-07	1.0E-03	2.1E-10	1.6E-01	1.4E-02	4.5E-13	0.02056719
1.0E-03	1.6E-08	1.6E-01	1.4E-02	3.5E-11	1.5E+00	1.3E-07	1.0E-03	2.1E-10	1.6E-01	1.4E-02	4.4E-13	0.022525839
1.0E-03	2.4E-08	1.6E-01	1.4E-02	5.1E-11	1.5E+00	1.3E-07	1.0E-03	2.0E-10	1.6E-01	1.4E-02	4.3E-13	0.024941244
1.0E-03	2.5E-08	1.6E-01	1.4E-02	5.3E-11	1.0E+00	1.3E-07	1.0E-03	1.4E-10	1.6E-01	1.4E-02	3.0E-13	0.073985526
1.0E-03	2.0E-08	1.6E-01	1.4E-02	4.4E-11	9.6E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	1.4E-02	2.9E-13	0.075851541
1.0E-03	1.7E-08	1.6E-01	1.4E-02	3.6E-11	9.2E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	1.4E-02	2.7E-13	0.075917799
1.0E-03	1.4E-08	1.6E-01	1.4E-02	3.1E-11	8.8E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	1.4E-02	2.6E-13	0.074454669
1.0E-03	1.2E-08	1.6E-01	1.4E-02	2.7E-11	8.5E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	1.4E-02	2.5E-13	0.072148208
1.0E-03	1.1E-08	1.6E-01	1.4E-02	2.3E-11	8.1E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.4E-13	0.069444871
1.0E-03	9.4E-09	1.6E-01	1.4E-02	2.0E-11	7.8E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.3E-13	0.066452716
1.0E-03	8.3E-09	1.6E-01	1.4E-02	1.8E-11	7.5E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	1.4E-02	2.2E-13	0.063394558
1.0E-03	7.4E-09	1.6E-01	1.4E-02	1.6E-11	7.2E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	1.4E-02	2.1E-13	0.060371857
1.0E-03	6.6E-09	1.6E-01	1.4E-02	1.4E-11	6.9E-01	1.3E-07	1.0E-03	9.6E-11	1.6E-01	1.4E-02	2.1E-13	0.057341028
1.0E-03	2.1E-08	1.6E-01	1.4E-02	4.6E-11	1.5E+00	1.3E-07	1.0E-03	2.0E-10	1.6E-01	1.4E-02	4.4E-13	0.018321994
1.0E-03	2.8E-08	1.6E-01	1.4E-02	6.1E-11	1.5E+00	1.3E-07	1.0E-03	2.0E-10	1.6E-01	1.4E-02	4.3E-13	0.020011435
1.0E-03	4.0E-08	1.6E-01	1.4E-02	8.6E-11	1.4E+00	1.3E-07	1.0E-03	2.0E-10	1.6E-01	1.4E-02	4.3E-13	0.022062142
1.0E-03	5.8E-08	1.6E-01	1.4E-02	1.2E-10	1.4E+00	1.3E-07	1.0E-03	1.9E-10	1.6E-01	1.4E-02	4.2E-13	0.024425194
1.0E-03	2.0E-08	1.6E-01	1.4E-02	4.2E-11	1.4E+00	1.3E-07	1.0E-03	1.9E-10	1.6E-01	1.4E-02	4.1E-13	0.027164157
1.0E-03	2.2E-08	1.6E-01	1.4E-02	4.8E-11	9.6E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	1.4E-02	2.9E-13	0.093541496
1.0E-03	1.9E-08	1.6E-01	1.4E-02	4.0E-11	9.2E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	1.4E-02	2.8E-13	0.093988946
1.0E-03	1.6E-08	1.6E-01	1.4E-02	3.4E-11	8.9E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	1.4E-02	2.6E-13	0.092141971
1.0E-03	1.3E-08	1.6E-01	1.4E-02	2.9E-11	8.5E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	1.4E-02	2.5E-13	0.088558153
1.0E-03	1.2E-08	1.6E-01	1.4E-02	2.5E-11	8.2E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.4E-13	0.084272328
1.0E-03	1.0E-08	1.6E-01	1.4E-02	2.2E-11	7.9E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.4E-13	0.07990042
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1.0E-03	7.8E-09	1.6E-01	1.4E-02	1.7E-11	7.3E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	1.4E-02	2.2E-13	0.070898728
1.0E-03	7.0E-09	1.6E-01	1.4E-02	1.5E-11	7.0E-01	1.3E-07	1.0E-03	9.7E-11	1.6E-01	1.4E-02	2.1E-13	0.066839098
1.0E-03	6.2E-09	1.6E-01	1.4E-02	1.3E-11	6.7E-01	1.3E-07	1.0E-03	9.3E-11	1.6E-01	1.4E-02	2.0E-13	0.062933362
1.0E-03	1.9E-08	1.6E-01	1.4E-02	4.0E-11	1.4E+00	1.3E-07	1.0E-03	1.9E-10	1.6E-01	1.4E-02	4.2E-13	0.01950416
1.0E-03	2.4E-08	1.6E-01	1.4E-02	5.2E-11	1.4E+00	1.3E-07	1.0E-03	1.9E-10	1.6E-01	1.4E-02	4.1E-13	0.021475485
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1.0E-03	4.2E-08	1.6E-01	1.4E-02	9.1E-11	1.3E+00	1.3E-07	1.0E-03	1.8E-10	1.6E-01	1.4E-02	4.0E-13	0.026556089
1.0E-03	5.6E-08	1.6E-01	1.4E-02	1.2E-10	1.3E+00	1.3E-07	1.0E-03	1.8E-10	1.6E-01	1.4E-02	3.9E-13	0.029934449
1.0E-03	2.0E-08	1.6E-01	1.4E-02	4.2E-11	9.2E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	1.4E-02	2.7E-13	0.121421761
1.0E-03	1.7E-08	1.6E-01	1.4E-02	3.6E-11	8.9E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	1.4E-02	2.7E-13	0.11795956
1.0E-03	1.4E-08	1.6E-01	1.4E-02	3.1E-11	8.6E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	1.4E-02	2.6E-13	0.112169452
1.0E-03	1.2E-08	1.6E-01	1.4E-02	2.6E-11	8.3E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.5E-13	0.105157438
1.0E-03	1.1E-08	1.6E-01	1.4E-02	2.3E-11	8.0E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.4E-13	0.098141577
1.0E-03	9.4E-09	1.6E-01	1.4E-02	2.0E-11	7.7E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.3E-13	0.091408651
1.0E-03	8.3E-09	1.6E-01	1.4E-02	1.8E-11	7.4E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	1.4E-02	2.2E-13	0.085110147
1.0E-03	7.3E-09	1.6E-01	1.4E-02	1.6E-11	7.1E-01	1.3E-07	1.0E-03	9.8E-11	1.6E-01	1.4E-02	2.1E-13	0.078992181
1.0E-03	6.6E-09	1.6E-01	1.4E-02	1.4E-11	6.8E-01	1.3E-07	1.0E-03	9.4E-11	1.6E-01	1.4E-02	2.0E-13	0.073613075

1.0E-03	5.9E-09	1.6E-01	1.4E-02	1.3E-11	6.6E-01	1.3E-07	1.0E-03	9.1E-11	1.6E-01	1.4E-02	2.0E-13	0.068709875
1.0E-03	1.6E-08	1.6E-01	1.4E-02	3.5E-11	1.3E+00	1.3E-07	1.0E-03	1.8E-10	1.6E-01	1.4E-02	3.9E-13	0.020701919
1.0E-03	2.0E-08	1.6E-01	1.4E-02	4.3E-11	1.3E+00	1.3E-07	1.0E-03	1.8E-10	1.6E-01	1.4E-02	3.9E-13	0.022961241
1.0E-03	2.5E-08	1.6E-01	1.4E-02	5.4E-11	1.3E+00	1.3E-07	1.0E-03	1.8E-10	1.6E-01	1.4E-02	3.8E-13	0.025664395
1.0E-03	3.1E-08	1.6E-01	1.4E-02	6.8E-11	1.3E+00	1.3E-07	1.0E-03	1.7E-10	1.6E-01	1.4E-02	3.8E-13	0.028779382
1.0E-03	3.9E-08	1.6E-01	1.4E-02	8.4E-11	1.2E+00	1.3E-07	1.0E-03	1.7E-10	1.6E-01	1.4E-02	3.7E-13	0.03285698
1.0E-03	1.7E-08	1.6E-01	1.4E-02	3.7E-11	8.9E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	1.4E-02	2.6E-13	0.160217395
1.0E-03	1.5E-08	1.6E-01	1.4E-02	3.2E-11	8.6E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	1.4E-02	2.6E-13	0.148749245
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1.0E-03	1.1E-08	1.6E-01	1.4E-02	2.4E-11	8.0E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.4E-13	0.124116426
1.0E-03	9.9E-09	1.6E-01	1.4E-02	2.1E-11	7.7E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.3E-13	0.11336935
1.0E-03	8.7E-09	1.6E-01	1.4E-02	1.9E-11	7.4E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	1.4E-02	2.2E-13	0.103805953
1.0E-03	7.7E-09	1.6E-01	1.4E-02	1.7E-11	7.2E-01	1.3E-07	1.0E-03	9.9E-11	1.6E-01	1.4E-02	2.1E-13	0.095449367
1.0E-03	6.9E-09	1.6E-01	1.4E-02	1.5E-11	6.9E-01	1.3E-07	1.0E-03	9.5E-11	1.6E-01	1.4E-02	2.1E-13	0.087688249
1.0E-03	6.2E-09	1.6E-01	1.4E-02	1.3E-11	6.6E-01	1.3E-07	1.0E-03	9.2E-11	1.6E-01	1.4E-02	2.0E-13	0.080685662
1.0E-03	5.6E-09	1.6E-01	1.4E-02	1.2E-11	6.4E-01	1.3E-07	1.0E-03	8.9E-11	1.6E-01	1.4E-02	1.9E-13	0.074552053
1.0E-03	1.4E-08	1.6E-01	1.4E-02	3.0E-11	1.2E+00	1.3E-07	1.0E-03	1.7E-10	1.6E-01	1.4E-02	3.7E-13	0.021885069
1.0E-03	1.7E-08	1.6E-01	1.4E-02	3.6E-11	1.2E+00	1.3E-07	1.0E-03	1.7E-10	1.6E-01	1.4E-02	3.7E-13	0.024450207
1.0E-03	2.0E-08	1.6E-01	1.4E-02	4.4E-11	1.2E+00	1.3E-07	1.0E-03	1.7E-10	1.6E-01	1.4E-02	3.6E-13	0.027597291
1.0E-03	2.4E-08	1.6E-01	1.4E-02	5.2E-11	1.2E+00	1.3E-07	1.0E-03	1.7E-10	1.6E-01	1.4E-02	3.6E-13	0.031239827
1.0E-03	2.9E-08	1.6E-01	1.4E-02	6.2E-11	1.2E+00	1.3E-07	1.0E-03	1.6E-10	1.6E-01	1.4E-02	3.5E-13	0.036017264
1.0E-03	1.5E-08	1.6E-01	1.4E-02	3.3E-11	8.5E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	1.4E-02	2.5E-13	0.21106929
1.0E-03	1.3E-08	1.6E-01	1.4E-02	2.9E-11	8.3E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.5E-13	0.185502858
1.0E-03	1.2E-08	1.6E-01	1.4E-02	2.5E-11	8.0E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.4E-13	0.163017573
1.0E-03	1.0E-08	1.6E-01	1.4E-02	2.2E-11	7.7E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.3E-13	0.144634845
1.0E-03	9.0E-09	1.6E-01	1.4E-02	1.9E-11	7.5E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	1.4E-02	2.2E-13	0.129456796
1.0E-03	8.0E-09	1.6E-01	1.4E-02	1.7E-11	7.2E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	1.4E-02	2.1E-13	0.116859523
1.0E-03	7.2E-09	1.6E-01	1.4E-02	1.5E-11	7.0E-01	1.3E-07	1.0E-03	9.6E-11	1.6E-01	1.4E-02	2.1E-13	0.106128825
1.0E-03	6.5E-09	1.6E-01	1.4E-02	1.4E-11	6.7E-01	1.3E-07	1.0E-03	9.3E-11	1.6E-01	1.4E-02	2.0E-13	0.096651858
1.0E-03	5.8E-09	1.6E-01	1.4E-02	1.2E-11	6.5E-01	1.3E-07	1.0E-03	8.9E-11	1.6E-01	1.4E-02	1.9E-13	0.087977137
1.0E-03	5.3E-09	1.6E-01	1.4E-02	1.1E-11	6.2E-01	1.3E-07	1.0E-03	8.6E-11	1.6E-01	1.4E-02	1.9E-13	0.080462149
1.0E-03	1.2E-08	1.6E-01	1.4E-02	2.5E-11	1.2E+00	1.3E-07	1.0E-03	1.6E-10	1.6E-01	1.4E-02	3.5E-13	0.023003186
1.0E-03	1.4E-08	1.6E-01	1.4E-02	3.0E-11	1.2E+00	1.3E-07	1.0E-03	1.6E-10	1.6E-01	1.4E-02	3.5E-13	0.025869507
1.0E-03	1.6E-08	1.6E-01	1.4E-02	3.5E-11	1.2E+00	1.3E-07	1.0E-03	1.6E-10	1.6E-01	1.4E-02	3.4E-13	0.029303865
1.0E-03	1.9E-08	1.6E-01	1.4E-02	4.1E-11	1.1E+00	1.3E-07	1.0E-03	1.6E-10	1.6E-01	1.4E-02	3.4E-13	0.033624415
1.0E-03	2.2E-08	1.6E-01	1.4E-02	4.8E-11	1.1E+00	1.3E-07	1.0E-03	1.5E-10	1.6E-01	1.4E-02	3.3E-13	0.039337711
1.0E-03	1.3E-08	1.6E-01	1.4E-02	2.9E-11	8.2E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.5E-13	0.270011693
1.0E-03	1.2E-08	1.6E-01	1.4E-02	2.5E-11	8.0E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.4E-13	0.224598574
1.0E-03	1.0E-08	1.6E-01	1.4E-02	2.2E-11	7.7E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.3E-13	0.190767078
1.0E-03	9.3E-09	1.6E-01	1.4E-02	2.0E-11	7.5E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	1.4E-02	2.2E-13	0.165651079
1.0E-03	8.3E-09	1.6E-01	1.4E-02	1.8E-11	7.2E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	1.4E-02	2.2E-13	0.14600384
1.0E-03	7.4E-09	1.6E-01	1.4E-02	1.6E-11	7.0E-01	1.3E-07	1.0E-03	9.7E-11	1.6E-01	1.4E-02	2.1E-13	0.130197063
1.0E-03	6.7E-09	1.6E-01	1.4E-02	1.4E-11	6.8E-01	1.3E-07	1.0E-03	9.3E-11	1.6E-01	1.4E-02	2.0E-13	0.116894921
1.0E-03	6.0E-09	1.6E-01	1.4E-02	1.3E-11	6.5E-01	1.3E-07	1.0E-03	9.0E-11	1.6E-01	1.4E-02	1.9E-13	0.105528631
1.0E-03	5.5E-09	1.6E-01	1.4E-02	1.2E-11	6.3E-01	1.3E-07	1.0E-03	8.7E-11	1.6E-01	1.4E-02	1.9E-13	0.095518583
1.0E-03	5.0E-09	1.6E-01	1.4E-02	1.1E-11	6.1E-01	1.3E-07	1.0E-03	8.4E-11	1.6E-01	1.4E-02	1.8E-13	0.086432103
1.0E-03	1.0E-08	1.6E-01	1.4E-02	2.2E-11	1.1E+00	1.3E-07	1.0E-03	1.6E-10	1.6E-01	1.4E-02	3.3E-13	0.024057542
1.0E-03	1.2E-08	1.6E-01	1.4E-02	2.5E-11	1.1E+00	1.3E-07	1.0E-03	1.5E-10	1.6E-01	1.4E-02	3.3E-13	0.027247422
1.0E-03	1.3E-08	1.6E-01	1.4E-02	2.9E-11	1.1E+00	1.3E-07	1.0E-03	1.5E-10	1.6E-01	1.4E-02	3.3E-13	0.031087939

1.0E-03	1.5E-08	1.6E-01	1.4E-02	3.3E-11	1.1E+00	1.3E-07	1.0E-03	1.5E-10	1.6E-01	1.4E-02	3.2E-13	0.036092727
1.0E-03	1.8E-08	1.6E-01	1.4E-02	3.8E-11	1.1E+00	1.3E-07	1.0E-03	1.5E-10	1.6E-01	1.4E-02	3.2E-13	0.042726408
1.0E-03	1.2E-08	1.6E-01	1.4E-02	2.5E-11	7.9E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.4E-13	0.323362956
1.0E-03	1.0E-08	1.6E-01	1.4E-02	2.3E-11	7.7E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.3E-13	0.260829542
1.0E-03	9.4E-09	1.6E-01	1.4E-02	2.0E-11	7.5E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	1.4E-02	2.2E-13	0.21729325
1.0E-03	8.5E-09	1.6E-01	1.4E-02	1.8E-11	7.2E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	1.4E-02	2.2E-13	0.186131719
1.0E-03	7.6E-09	1.6E-01	1.4E-02	1.6E-11	7.0E-01	1.3E-07	1.0E-03	9.7E-11	1.6E-01	1.4E-02	2.1E-13	0.162373402
1.0E-03	6.9E-09	1.6E-01	1.4E-02	1.5E-11	6.8E-01	1.3E-07	1.0E-03	9.4E-11	1.6E-01	1.4E-02	2.0E-13	0.143483603
1.0E-03	6.2E-09	1.6E-01	1.4E-02	1.3E-11	6.6E-01	1.3E-07	1.0E-03	9.1E-11	1.6E-01	1.4E-02	2.0E-13	0.127379379
1.0E-03	5.6E-09	1.6E-01	1.4E-02	1.2E-11	6.3E-01	1.3E-07	1.0E-03	8.8E-11	1.6E-01	1.4E-02	1.9E-13	0.114136371
1.0E-03	5.1E-09	1.6E-01	1.4E-02	1.1E-11	6.1E-01	1.3E-07	1.0E-03	8.5E-11	1.6E-01	1.4E-02	1.8E-13	0.102676573
1.0E-03	4.7E-09	1.6E-01	1.4E-02	1.0E-11	5.9E-01	1.3E-07	1.0E-03	8.2E-11	1.6E-01	1.4E-02	1.8E-13	0.092235755
1.0E-03	8.7E-09	1.6E-01	1.4E-02	1.9E-11	1.1E+00	1.3E-07	1.0E-03	1.5E-10	1.6E-01	1.4E-02	3.2E-13	0.025098523
1.0E-03	9.9E-09	1.6E-01	1.4E-02	2.1E-11	1.1E+00	1.3E-07	1.0E-03	1.5E-10	1.6E-01	1.4E-02	3.1E-13	0.028598677
1.0E-03	1.1E-08	1.6E-01	1.4E-02	2.4E-11	1.0E+00	1.3E-07	1.0E-03	1.4E-10	1.6E-01	1.4E-02	3.1E-13	0.032989065
1.0E-03	1.3E-08	1.6E-01	1.4E-02	2.8E-11	1.0E+00	1.3E-07	1.0E-03	1.4E-10	1.6E-01	1.4E-02	3.1E-13	0.038663638
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1.0E-03	1.0E-08	1.6E-01	1.4E-02	2.2E-11	7.7E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.3E-13	0.36428207
1.0E-03	9.4E-09	1.6E-01	1.4E-02	2.0E-11	7.4E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	1.4E-02	2.2E-13	0.291022846
1.0E-03	8.5E-09	1.6E-01	1.4E-02	1.8E-11	7.2E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	1.4E-02	2.1E-13	0.24172237
1.0E-03	7.7E-09	1.6E-01	1.4E-02	1.7E-11	7.0E-01	1.3E-07	1.0E-03	9.7E-11	1.6E-01	1.4E-02	2.1E-13	0.205925629
1.0E-03	7.0E-09	1.6E-01	1.4E-02	1.5E-11	6.8E-01	1.3E-07	1.0E-03	9.4E-11	1.6E-01	1.4E-02	2.0E-13	0.178451507
1.0E-03	6.4E-09	1.6E-01	1.4E-02	1.4E-11	6.6E-01	1.3E-07	1.0E-03	9.1E-11	1.6E-01	1.4E-02	2.0E-13	0.156431708
1.0E-03	5.8E-09	1.6E-01	1.4E-02	1.2E-11	6.4E-01	1.3E-07	1.0E-03	8.8E-11	1.6E-01	1.4E-02	1.9E-13	0.13803161
1.0E-03	5.3E-09	1.6E-01	1.4E-02	1.1E-11	6.2E-01	1.3E-07	1.0E-03	8.5E-11	1.6E-01	1.4E-02	1.8E-13	0.122507019
1.0E-03	4.8E-09	1.6E-01	1.4E-02	1.0E-11	6.0E-01	1.3E-07	1.0E-03	8.3E-11	1.6E-01	1.4E-02	1.8E-13	0.10922659
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1.0E-03	7.6E-09	1.6E-01	1.4E-02	1.6E-11	1.0E+00	1.3E-07	1.0E-03	1.4E-10	1.6E-01	1.4E-02	3.0E-13	0.02597733
1.0E-03	8.5E-09	1.6E-01	1.4E-02	1.8E-11	1.0E+00	1.3E-07	1.0E-03	1.4E-10	1.6E-01	1.4E-02	3.0E-13	0.029715656
1.0E-03	9.5E-09	1.6E-01	1.4E-02	2.1E-11	9.9E-01	1.3E-07	1.0E-03	1.4E-10	1.6E-01	1.4E-02	3.0E-13	0.034373251
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1.0E-03	1.2E-08	1.6E-01	1.4E-02	2.6E-11	9.7E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	1.4E-02	2.9E-13	0.049021656
1.0E-03	9.2E-09	1.6E-01	1.4E-02	2.0E-11	7.4E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	1.4E-02	2.2E-13	0.396124056
1.0E-03	8.4E-09	1.6E-01	1.4E-02	1.8E-11	7.2E-01	1.3E-07	1.0E-03	9.9E-11	1.6E-01	1.4E-02	2.1E-13	0.32072376
1.0E-03	7.7E-09	1.6E-01	1.4E-02	1.7E-11	7.0E-01	1.3E-07	1.0E-03	9.7E-11	1.6E-01	1.4E-02	2.1E-13	0.266388884
1.0E-03	7.0E-09	1.6E-01	1.4E-02	1.5E-11	6.8E-01	1.3E-07	1.0E-03	9.4E-11	1.6E-01	1.4E-02	2.0E-13	0.225851145
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1.0E-03	5.9E-09	1.6E-01	1.4E-02	1.3E-11	6.4E-01	1.3E-07	1.0E-03	8.8E-11	1.6E-01	1.4E-02	1.9E-13	0.169681911
1.0E-03	5.4E-09	1.6E-01	1.4E-02	1.2E-11	6.2E-01	1.3E-07	1.0E-03	8.6E-11	1.6E-01	1.4E-02	1.8E-13	0.148506833
1.0E-03	5.0E-09	1.6E-01	1.4E-02	1.1E-11	6.0E-01	1.3E-07	1.0E-03	8.3E-11	1.6E-01	1.4E-02	1.8E-13	0.130630877
1.0E-03	4.5E-09	1.6E-01	1.4E-02	9.8E-12	5.8E-01	1.3E-07	1.0E-03	8.1E-11	1.6E-01	1.4E-02	1.7E-13	0.115250187
1.0E-03	4.2E-09	1.6E-01	1.4E-02	9.0E-12	5.6E-01	1.3E-07	1.0E-03	7.8E-11	1.6E-01	1.4E-02	1.7E-13	0.101576264
1.0E-03	6.7E-09	1.6E-01	1.4E-02	1.4E-11	9.7E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	1.4E-02	2.9E-13	0.02673267
1.0E-03	7.4E-09	1.6E-01	1.4E-02	1.6E-11	9.6E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	1.4E-02	2.9E-13	0.030716225
1.0E-03	8.3E-09	1.6E-01	1.4E-02	1.8E-11	9.5E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	1.4E-02	2.8E-13	0.035834384
1.0E-03	9.1E-09	1.6E-01	1.4E-02	2.0E-11	9.4E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	1.4E-02	2.8E-13	0.042559725
1.0E-03	1.0E-08	1.6E-01	1.4E-02	2.1E-11	9.2E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	1.4E-02	2.7E-13	0.051796396
1.0E-03	8.2E-09	1.6E-01	1.4E-02	1.8E-11	7.1E-01	1.3E-07	1.0E-03	9.9E-11	1.6E-01	1.4E-02	2.1E-13	0.429291067
1.0E-03	7.6E-09	1.6E-01	1.4E-02	1.6E-11	6.9E-01	1.3E-07	1.0E-03	9.6E-11	1.6E-01	1.4E-02	2.1E-13	0.35166878

1.0E-03	7.0E-09	1.6E-01	1.4E-02	1.5E-11	6.7E-01	1.3E-07	1.0E-03	9.3E-11	1.6E-01	1.4E-02	2.0E-13	0.289765363
1.0E-03	6.4E-09	1.6E-01	1.4E-02	1.4E-11	6.6E-01	1.3E-07	1.0E-03	9.1E-11	1.6E-01	1.4E-02	2.0E-13	0.242869024
1.0E-03	5.9E-09	1.6E-01	1.4E-02	1.3E-11	6.4E-01	1.3E-07	1.0E-03	8.8E-11	1.6E-01	1.4E-02	1.9E-13	0.207628908
1.0E-03	5.4E-09	1.6E-01	1.4E-02	1.2E-11	6.2E-01	1.3E-07	1.0E-03	8.6E-11	1.6E-01	1.4E-02	1.8E-13	0.179887193
1.0E-03	5.0E-09	1.6E-01	1.4E-02	1.1E-11	6.0E-01	1.3E-07	1.0E-03	8.3E-11	1.6E-01	1.4E-02	1.8E-13	0.156536025
1.0E-03	4.6E-09	1.6E-01	1.4E-02	1.0E-11	5.8E-01	1.3E-07	1.0E-03	8.1E-11	1.6E-01	1.4E-02	1.7E-13	0.1371238
1.0E-03	4.3E-09	1.6E-01	1.4E-02	9.2E-12	5.7E-01	1.3E-07	1.0E-03	7.8E-11	1.6E-01	1.4E-02	1.7E-13	0.119512473
1.0E-03	3.9E-09	1.6E-01	1.4E-02	8.4E-12	5.5E-01	1.3E-07	1.0E-03	7.6E-11	1.6E-01	1.4E-02	1.6E-13	0.104214695
1.0E-03	5.9E-09	1.6E-01	1.4E-02	1.3E-11	9.2E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	1.4E-02	2.8E-13	0.027299576
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1.0E-03	7.2E-09	1.6E-01	1.4E-02	1.6E-11	9.0E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	1.4E-02	2.7E-13	0.0370635
1.0E-03	7.9E-09	1.6E-01	1.4E-02	1.7E-11	8.9E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	1.4E-02	2.7E-13	0.044185751
1.0E-03	8.5E-09	1.6E-01	1.4E-02	1.8E-11	8.8E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	1.4E-02	2.6E-13	0.053845114
1.0E-03	7.4E-09	1.6E-01	1.4E-02	1.6E-11	6.9E-01	1.3E-07	1.0E-03	9.5E-11	1.6E-01	1.4E-02	2.1E-13	0.479020099
1.0E-03	6.9E-09	1.6E-01	1.4E-02	1.5E-11	6.7E-01	1.3E-07	1.0E-03	9.3E-11	1.6E-01	1.4E-02	2.0E-13	0.386805303
1.0E-03	6.4E-09	1.6E-01	1.4E-02	1.4E-11	6.5E-01	1.3E-07	1.0E-03	9.0E-11	1.6E-01	1.4E-02	1.9E-13	0.316464959
1.0E-03	5.9E-09	1.6E-01	1.4E-02	1.3E-11	6.3E-01	1.3E-07	1.0E-03	8.8E-11	1.6E-01	1.4E-02	1.9E-13	0.262933148
1.0E-03	5.4E-09	1.6E-01	1.4E-02	1.2E-11	6.1E-01	1.3E-07	1.0E-03	8.5E-11	1.6E-01	1.4E-02	1.8E-13	0.215813514
1.0E-03	5.0E-09	1.6E-01	1.4E-02	1.1E-11	6.0E-01	1.3E-07	1.0E-03	8.3E-11	1.6E-01	1.4E-02	1.8E-13	0.182980344
1.0E-03	4.6E-09	1.6E-01	1.4E-02	9.9E-12	5.8E-01	1.3E-07	1.0E-03	8.0E-11	1.6E-01	1.4E-02	1.7E-13	0.158863629
1.0E-03	4.3E-09	1.6E-01	1.4E-02	9.2E-12	5.6E-01	1.3E-07	1.0E-03	7.8E-11	1.6E-01	1.4E-02	1.7E-13	0.13784825
1.0E-03	4.0E-09	1.6E-01	1.4E-02	8.5E-12	5.5E-01	1.3E-07	1.0E-03	7.6E-11	1.6E-01	1.4E-02	1.6E-13	0.119973349
1.0E-03	3.7E-09	1.6E-01	1.4E-02	7.9E-12	5.3E-01	1.3E-07	1.0E-03	7.3E-11	1.6E-01	1.4E-02	1.6E-13	0.103978815
1.0E-03	5.3E-09	1.6E-01	1.4E-02	1.1E-11	8.8E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	1.4E-02	2.6E-13	0.027683337
1.0E-03	5.8E-09	1.6E-01	1.4E-02	1.2E-11	8.7E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	1.4E-02	2.6E-13	0.032061343
1.0E-03	6.3E-09	1.6E-01	1.4E-02	1.4E-11	8.6E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	1.4E-02	2.6E-13	0.037737163
1.0E-03	6.9E-09	1.6E-01	1.4E-02	1.5E-11	8.5E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	1.4E-02	2.5E-13	0.045326547
1.0E-03	7.4E-09	1.6E-01	1.4E-02	1.6E-11	8.4E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	1.4E-02	2.5E-13	0.055194092
1.0E-03	6.2E-09	1.6E-01	1.4E-02	1.3E-11	6.5E-01	1.3E-07	1.0E-03	9.0E-11	1.6E-01	1.4E-02	1.9E-13	0.438717807
1.0E-03	5.8E-09	1.6E-01	1.4E-02	1.3E-11	6.3E-01	1.3E-07	1.0E-03	8.7E-11	1.6E-01	1.4E-02	1.9E-13	0.355404632
1.0E-03	5.4E-09	1.6E-01	1.4E-02	1.2E-11	6.1E-01	1.3E-07	1.0E-03	8.5E-11	1.6E-01	1.4E-02	1.8E-13	0.285778538
1.0E-03	4.8E-09	1.6E-01	1.4E-02	1.0E-11	5.9E-01	1.3E-07	1.0E-03	8.2E-11	1.6E-01	1.4E-02	1.8E-13	0.217258835
1.0E-03	4.5E-09	1.6E-01	1.4E-02	9.6E-12	5.7E-01	1.3E-07	1.0E-03	7.9E-11	1.6E-01	1.4E-02	1.7E-13	0.181504674
1.0E-03	4.2E-09	1.6E-01	1.4E-02	9.0E-12	5.6E-01	1.3E-07	1.0E-03	7.7E-11	1.6E-01	1.4E-02	1.7E-13	0.154159943
1.0E-03	3.9E-09	1.6E-01	1.4E-02	8.4E-12	5.4E-01	1.3E-07	1.0E-03	7.5E-11	1.6E-01	1.4E-02	1.6E-13	0.132392716
1.0E-03	3.6E-09	1.6E-01	1.4E-02	7.8E-12	5.3E-01	1.3E-07	1.0E-03	7.3E-11	1.6E-01	1.4E-02	1.6E-13	0.114402186
1.0E-03	3.4E-09	1.6E-01	1.4E-02	7.3E-12	5.1E-01	1.3E-07	1.0E-03	7.1E-11	1.6E-01	1.4E-02	1.5E-13	0.100661364
1.0E-03	4.7E-09	1.6E-01	1.4E-02	1.0E-11	8.4E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	1.4E-02	2.5E-13	0.027933538
1.0E-03	5.2E-09	1.6E-01	1.4E-02	1.1E-11	8.4E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	1.4E-02	2.5E-13	0.032488749
1.0E-03	5.6E-09	1.6E-01	1.4E-02	1.2E-11	8.3E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.5E-13	0.038170581
1.0E-03	6.0E-09	1.6E-01	1.4E-02	1.3E-11	8.2E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.4E-13	0.045974287
1.0E-03	6.4E-09	1.6E-01	1.4E-02	1.4E-11	8.1E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.4E-13	0.055878328
1.0E-03	5.4E-09	1.6E-01	1.4E-02	1.2E-11	6.1E-01	1.3E-07	1.0E-03	8.5E-11	1.6E-01	1.4E-02	1.8E-13	0.406512481
1.0E-03	5.0E-09	1.6E-01	1.4E-02	1.1E-11	6.0E-01	1.3E-07	1.0E-03	8.3E-11	1.6E-01	1.4E-02	1.8E-13	0.323459609
1.0E-03	4.6E-09	1.6E-01	1.4E-02	9.9E-12	5.8E-01	1.3E-07	1.0E-03	8.0E-11	1.6E-01	1.4E-02	1.7E-13	0.250066867
1.0E-03	4.3E-09	1.6E-01	1.4E-02	9.3E-12	5.6E-01	1.3E-07	1.0E-03	7.8E-11	1.6E-01	1.4E-02	1.7E-13	0.204957798
1.0E-03	4.0E-09	1.6E-01	1.4E-02	8.6E-12	5.5E-01	1.3E-07	1.0E-03	7.6E-11	1.6E-01	1.4E-02	1.6E-13	0.168493778
1.0E-03	3.7E-09	1.6E-01	1.4E-02	8.0E-12	5.3E-01	1.3E-07	1.0E-03	7.3E-11	1.6E-01	1.4E-02	1.6E-13	0.138191515
1.0E-03	3.4E-09	1.6E-01	1.4E-02	7.4E-12	5.1E-01	1.3E-07	1.0E-03	7.1E-11	1.6E-01	1.4E-02	1.5E-13	0.11568887

1.0E-03	3.2E-09	1.6E-01	1.4E-02	6.8E-12	5.0E-01	1.3E-07	1.0E-03	6.9E-11	1.6E-01	1.4E-02	1.5E-13	0.097856192
1.0E-03	4.3E-09	1.6E-01	1.4E-02	9.2E-12	8.1E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.4E-13	0.02794284
1.0E-03	4.6E-09	1.6E-01	1.4E-02	1.0E-11	8.0E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.4E-13	0.032526271
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1.0E-03	5.3E-09	1.6E-01	1.4E-02	1.1E-11	7.8E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.3E-13	0.045965831
1.0E-03	5.7E-09	1.6E-01	1.4E-02	1.2E-11	7.7E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.3E-13	0.055999107
1.0E-03	4.7E-09	1.6E-01	1.4E-02	1.0E-11	5.8E-01	1.3E-07	1.0E-03	8.0E-11	1.6E-01	1.4E-02	1.7E-13	0.381832444
1.0E-03	4.4E-09	1.6E-01	1.4E-02	9.5E-12	5.7E-01	1.3E-07	1.0E-03	7.8E-11	1.6E-01	1.4E-02	1.7E-13	0.302452952
1.0E-03	4.1E-09	1.6E-01	1.4E-02	8.9E-12	5.5E-01	1.3E-07	1.0E-03	7.6E-11	1.6E-01	1.4E-02	1.6E-13	0.239735807
1.0E-03	3.9E-09	1.6E-01	1.4E-02	8.3E-12	5.4E-01	1.3E-07	1.0E-03	7.4E-11	1.6E-01	1.4E-02	1.6E-13	0.187532691
1.0E-03	3.6E-09	1.6E-01	1.4E-02	7.8E-12	5.2E-01	1.3E-07	1.0E-03	7.2E-11	1.6E-01	1.4E-02	1.6E-13	0.151976598
1.0E-03	3.3E-09	1.6E-01	1.4E-02	7.2E-12	5.1E-01	1.3E-07	1.0E-03	7.0E-11	1.6E-01	1.4E-02	1.5E-13	0.123329112
1.0E-03	3.1E-09	1.6E-01	1.4E-02	6.6E-12	4.9E-01	1.3E-07	1.0E-03	6.8E-11	1.6E-01	1.4E-02	1.5E-13	0.100532009
1.0E-03	3.9E-09	1.6E-01	1.4E-02	8.4E-12	7.7E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.3E-13	0.027749084
1.0E-03	4.2E-09	1.6E-01	1.4E-02	9.0E-12	7.7E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.3E-13	0.032336895
1.0E-03	4.5E-09	1.6E-01	1.4E-02	9.6E-12	7.6E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.3E-13	0.037938021
1.0E-03	4.8E-09	1.6E-01	1.4E-02	1.0E-11	7.5E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	1.4E-02	2.2E-13	0.045364907
1.0E-03	5.0E-09	1.6E-01	1.4E-02	1.1E-11	7.4E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	1.4E-02	2.2E-13	0.055171873
1.0E-03	4.1E-09	1.6E-01	1.4E-02	8.8E-12	5.5E-01	1.3E-07	1.0E-03	7.6E-11	1.6E-01	1.4E-02	1.6E-13	0.323503212
1.0E-03	3.9E-09	1.6E-01	1.4E-02	8.4E-12	5.4E-01	1.3E-07	1.0E-03	7.4E-11	1.6E-01	1.4E-02	1.6E-13	0.246818008
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1.0E-03	3.2E-09	1.6E-01	1.4E-02	6.9E-12	5.0E-01	1.3E-07	1.0E-03	6.9E-11	1.6E-01	1.4E-02	1.5E-13	0.124510387
1.0E-03	3.0E-09	1.6E-01	1.4E-02	6.4E-12	4.8E-01	1.3E-07	1.0E-03	6.6E-11	1.6E-01	1.4E-02	1.4E-13	0.101567175
1.0E-03	3.5E-09	1.6E-01	1.4E-02	7.6E-12	7.4E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	1.4E-02	2.2E-13	0.027326928
1.0E-03	3.8E-09	1.6E-01	1.4E-02	8.2E-12	7.3E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	1.4E-02	2.2E-13	0.031786529
1.0E-03	4.0E-09	1.6E-01	1.4E-02	8.7E-12	7.3E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	1.4E-02	2.2E-13	0.037274132
1.0E-03	4.3E-09	1.6E-01	1.4E-02	9.2E-12	7.2E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	1.4E-02	2.1E-13	0.044290613
1.0E-03	4.5E-09	1.6E-01	1.4E-02	9.7E-12	7.1E-01	1.3E-07	1.0E-03	9.9E-11	1.6E-01	1.4E-02	2.1E-13	0.053594327
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1.0E-03	3.6E-09	1.6E-01	1.4E-02	7.8E-12	5.2E-01	1.3E-07	1.0E-03	7.2E-11	1.6E-01	1.4E-02	1.6E-13	0.244404501
1.0E-03	3.4E-09	1.6E-01	1.4E-02	7.4E-12	5.1E-01	1.3E-07	1.0E-03	7.0E-11	1.6E-01	1.4E-02	1.5E-13	0.186563449
1.0E-03	3.2E-09	1.6E-01	1.4E-02	7.0E-12	5.0E-01	1.3E-07	1.0E-03	6.9E-11	1.6E-01	1.4E-02	1.5E-13	0.148173914
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1.0E-03	2.8E-09	1.6E-01	1.4E-02	6.1E-12	4.7E-01	1.3E-07	1.0E-03	6.5E-11	1.6E-01	1.4E-02	1.4E-13	0.097476099
1.0E-03	3.2E-09	1.6E-01	1.4E-02	7.0E-12	7.1E-01	1.3E-07	1.0E-03	9.8E-11	1.6E-01	1.4E-02	2.1E-13	0.026695761
1.0E-03	3.4E-09	1.6E-01	1.4E-02	7.4E-12	7.0E-01	1.3E-07	1.0E-03	9.8E-11	1.6E-01	1.4E-02	2.1E-13	0.030832251
1.0E-03	3.7E-09	1.6E-01	1.4E-02	7.9E-12	7.0E-01	1.3E-07	1.0E-03	9.7E-11	1.6E-01	1.4E-02	2.1E-13	0.036182914
1.0E-03	3.9E-09	1.6E-01	1.4E-02	8.3E-12	6.9E-01	1.3E-07	1.0E-03	9.6E-11	1.6E-01	1.4E-02	2.1E-13	0.042631352
1.0E-03	4.0E-09	1.6E-01	1.4E-02	8.7E-12	6.9E-01	1.3E-07	1.0E-03	9.5E-11	1.6E-01	1.4E-02	2.0E-13	0.051412083
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1.0E-03	3.4E-09	1.6E-01	1.4E-02	7.3E-12	5.1E-01	1.3E-07	1.0E-03	7.0E-11	1.6E-01	1.4E-02	1.5E-13	0.227013166
1.0E-03	3.2E-09	1.6E-01	1.4E-02	7.0E-12	5.0E-01	1.3E-07	1.0E-03	6.9E-11	1.6E-01	1.4E-02	1.5E-13	0.173848788
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1.0E-03	2.9E-09	1.6E-01	1.4E-02	6.2E-12	4.7E-01	1.3E-07	1.0E-03	6.5E-11	1.6E-01	1.4E-02	1.4E-13	0.113820028
1.0E-03	2.7E-09	1.6E-01	1.4E-02	5.9E-12	4.6E-01	1.3E-07	1.0E-03	6.4E-11	1.6E-01	1.4E-02	1.4E-13	0.093445132
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1.0E-03	3.1E-09	1.6E-01	1.4E-02	6.8E-12	6.8E-01	1.3E-07	1.0E-03	9.4E-11	1.6E-01	1.4E-02	2.0E-13	0.029724157
1.0E-03	3.3E-09	1.6E-01	1.4E-02	7.2E-12	6.7E-01	1.3E-07	1.0E-03	9.3E-11	1.6E-01	1.4E-02	2.0E-13	0.034594754

1.0E-03	3.5E-09	1.6E-01	1.4E-02	7.5E-12	6.7E-01	1.3E-07	1.0E-03	9.2E-11	1.6E-01	1.4E-02	2.0E-13	0.040724224
1.0E-03	3.7E-09	1.6E-01	1.4E-02	7.9E-12	6.6E-01	1.3E-07	1.0E-03	9.1E-11	1.6E-01	1.4E-02	2.0E-13	0.048823121
1.0E-03	3.3E-09	1.6E-01	1.4E-02	7.2E-12	5.0E-01	1.3E-07	1.0E-03	7.0E-11	1.6E-01	1.4E-02	1.5E-13	0.266367096
1.0E-03	3.2E-09	1.6E-01	1.4E-02	6.9E-12	4.9E-01	1.3E-07	1.0E-03	6.8E-11	1.6E-01	1.4E-02	1.5E-13	0.199907348
1.0E-03	3.0E-09	1.6E-01	1.4E-02	6.5E-12	4.8E-01	1.3E-07	1.0E-03	6.7E-11	1.6E-01	1.4E-02	1.4E-13	0.156171285
1.0E-03	2.9E-09	1.6E-01	1.4E-02	6.2E-12	4.7E-01	1.3E-07	1.0E-03	6.5E-11	1.6E-01	1.4E-02	1.4E-13	0.126343602
1.0E-03	2.7E-09	1.6E-01	1.4E-02	5.9E-12	4.6E-01	1.3E-07	1.0E-03	6.4E-11	1.6E-01	1.4E-02	1.4E-13	0.104464998
1.0E-03	2.6E-09	1.6E-01	1.4E-02	5.6E-12	4.5E-01	1.3E-07	1.0E-03	6.2E-11	1.6E-01	1.4E-02	1.3E-13	0.087862868
1.0E-03	2.7E-09	1.6E-01	1.4E-02	5.9E-12	6.5E-01	1.3E-07	1.0E-03	9.1E-11	1.6E-01	1.4E-02	2.0E-13	0.024956468
1.0E-03	2.9E-09	1.6E-01	1.4E-02	6.2E-12	6.5E-01	1.3E-07	1.0E-03	9.0E-11	1.6E-01	1.4E-02	1.9E-13	0.028595695
1.0E-03	3.0E-09	1.6E-01	1.4E-02	6.5E-12	6.5E-01	1.3E-07	1.0E-03	8.9E-11	1.6E-01	1.4E-02	1.9E-13	0.033112308
1.0E-03	3.2E-09	1.6E-01	1.4E-02	6.9E-12	6.4E-01	1.3E-07	1.0E-03	8.9E-11	1.6E-01	1.4E-02	1.9E-13	0.038808927
1.0E-03	3.3E-09	1.6E-01	1.4E-02	7.2E-12	6.3E-01	1.3E-07	1.0E-03	8.8E-11	1.6E-01	1.4E-02	1.9E-13	0.046123519
1.0E-03	3.1E-09	1.6E-01	1.4E-02	6.7E-12	4.9E-01	1.3E-07	1.0E-03	6.8E-11	1.6E-01	1.4E-02	1.5E-13	0.214072154
1.0E-03	3.0E-09	1.6E-01	1.4E-02	6.4E-12	4.8E-01	1.3E-07	1.0E-03	6.6E-11	1.6E-01	1.4E-02	1.4E-13	0.16941213
1.0E-03	2.9E-09	1.6E-01	1.4E-02	6.2E-12	4.7E-01	1.3E-07	1.0E-03	6.5E-11	1.6E-01	1.4E-02	1.4E-13	0.136788877
1.0E-03	2.7E-09	1.6E-01	1.4E-02	5.9E-12	4.6E-01	1.3E-07	1.0E-03	6.4E-11	1.6E-01	1.4E-02	1.4E-13	0.113014754
1.0E-03	2.6E-09	1.6E-01	1.4E-02	5.6E-12	4.5E-01	1.3E-07	1.0E-03	6.2E-11	1.6E-01	1.4E-02	1.3E-13	0.094903917
1.0E-03	2.5E-09	1.6E-01	1.4E-02	5.3E-12	4.4E-01	1.3E-07	1.0E-03	6.1E-11	1.6E-01	1.4E-02	1.3E-13	0.080665616
1.0E-03	2.5E-09	1.6E-01	1.4E-02	5.4E-12	6.3E-01	1.3E-07	1.0E-03	8.7E-11	1.6E-01	1.4E-02	1.9E-13	0.024036465
1.0E-03	2.7E-09	1.6E-01	1.4E-02	5.7E-12	6.3E-01	1.3E-07	1.0E-03	8.7E-11	1.6E-01	1.4E-02	1.9E-13	0.027437749
1.0E-03	2.8E-09	1.6E-01	1.4E-02	6.0E-12	6.2E-01	1.3E-07	1.0E-03	8.6E-11	1.6E-01	1.4E-02	1.8E-13	0.031613433
1.0E-03	2.9E-09	1.6E-01	1.4E-02	6.3E-12	6.2E-01	1.3E-07	1.0E-03	8.5E-11	1.6E-01	1.4E-02	1.8E-13	0.036821078
1.0E-03	3.0E-09	1.6E-01	1.4E-02	6.5E-12	6.1E-01	1.3E-07	1.0E-03	8.4E-11	1.6E-01	1.4E-02	1.8E-13	0.043371711
1.0E-03	3.1E-09	1.6E-01	1.4E-02	6.8E-12	6.0E-01	1.3E-07	1.0E-03	8.4E-11	1.6E-01	1.4E-02	1.8E-13	0.051677893
1.0E-03	3.2E-09	1.6E-01	1.4E-02	7.0E-12	6.0E-01	1.3E-07	1.0E-03	8.3E-11	1.6E-01	1.4E-02	1.8E-13	0.062781627
1.0E-03	3.3E-09	1.6E-01	1.4E-02	7.2E-12	5.9E-01	1.3E-07	1.0E-03	8.2E-11	1.6E-01	1.4E-02	1.8E-13	0.078182198
1.0E-03	3.4E-09	1.6E-01	1.4E-02	7.3E-12	5.8E-01	1.3E-07	1.0E-03	8.1E-11	1.6E-01	1.4E-02	1.7E-13	0.099180202
1.0E-03	3.4E-09	1.6E-01	1.4E-02	7.4E-12	5.8E-01	1.3E-07	1.0E-03	8.0E-11	1.6E-01	1.4E-02	1.7E-13	0.129061811
1.0E-03	3.5E-09	1.6E-01	1.4E-02	7.5E-12	5.7E-01	1.3E-07	1.0E-03	7.9E-11	1.6E-01	1.4E-02	1.7E-13	0.166872389
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1.0E-03	3.5E-09	1.6E-01	1.4E-02	7.5E-12	5.5E-01	1.3E-07	1.0E-03	7.6E-11	1.6E-01	1.4E-02	1.6E-13	0.247942439
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1.0E-03	3.4E-09	1.6E-01	1.4E-02	7.4E-12	5.3E-01	1.3E-07	1.0E-03	7.4E-11	1.6E-01	1.4E-02	1.6E-13	0.293392648
1.0E-03	3.4E-09	1.6E-01	1.4E-02	7.2E-12	5.2E-01	1.3E-07	1.0E-03	7.3E-11	1.6E-01	1.4E-02	1.6E-13	0.298349166
1.0E-03	3.3E-09	1.6E-01	1.4E-02	7.1E-12	5.1E-01	1.3E-07	1.0E-03	7.1E-11	1.6E-01	1.4E-02	1.5E-13	0.292041317
1.0E-03	3.2E-09	1.6E-01	1.4E-02	6.9E-12	5.1E-01	1.3E-07	1.0E-03	7.0E-11	1.6E-01	1.4E-02	1.5E-13	0.274885877
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1.0E-03	3.0E-09	1.6E-01	1.4E-02	6.5E-12	4.9E-01	1.3E-07	1.0E-03	6.7E-11	1.6E-01	1.4E-02	1.4E-13	0.206245841
1.0E-03	2.9E-09	1.6E-01	1.4E-02	6.3E-12	4.8E-01	1.3E-07	1.0E-03	6.6E-11	1.6E-01	1.4E-02	1.4E-13	0.169904658
1.0E-03	2.8E-09	1.6E-01	1.4E-02	6.1E-12	4.7E-01	1.3E-07	1.0E-03	6.5E-11	1.6E-01	1.4E-02	1.4E-13	0.141048836
1.0E-03	2.7E-09	1.6E-01	1.4E-02	5.8E-12	4.6E-01	1.3E-07	1.0E-03	6.3E-11	1.6E-01	1.4E-02	1.4E-13	0.117784971
1.0E-03	2.6E-09	1.6E-01	1.4E-02	5.6E-12	4.5E-01	1.3E-07	1.0E-03	6.2E-11	1.6E-01	1.4E-02	1.3E-13	0.099623005
1.0E-03	2.5E-09	1.6E-01	1.4E-02	5.3E-12	4.4E-01	1.3E-07	1.0E-03	6.1E-11	1.6E-01	1.4E-02	1.3E-13	0.085092231
1.0E-03	2.4E-09	1.6E-01	1.4E-02	5.1E-12	4.3E-01	1.3E-07	1.0E-03	5.9E-11	1.6E-01	1.4E-02	1.3E-13	0.073517121
1.0E-03	2.3E-09	1.6E-01	1.4E-02	5.0E-12	6.1E-01	1.3E-07	1.0E-03	8.4E-11	1.6E-01	1.4E-02	1.8E-13	0.02282691
1.0E-03	2.5E-09	1.6E-01	1.4E-02	5.3E-12	6.0E-01	1.3E-07	1.0E-03	8.3E-11	1.6E-01	1.4E-02	1.8E-13	0.025854489
1.0E-03	2.6E-09	1.6E-01	1.4E-02	5.5E-12	6.0E-01	1.3E-07	1.0E-03	8.3E-11	1.6E-01	1.4E-02	1.8E-13	0.02965535
1.0E-03	2.7E-09	1.6E-01	1.4E-02	5.8E-12	5.9E-01	1.3E-07	1.0E-03	8.2E-11	1.6E-01	1.4E-02	1.8E-13	0.034145643

1.0E-03	2.8E-09	1.6E-01	1.4E-02	6.0E-12	5.9E-01	1.3E-07	1.0E-03	8.1E-11	1.6E-01	1.4E-02	1.8E-13	0.039986649
1.0E-03	2.9E-09	1.6E-01	1.4E-02	6.2E-12	5.8E-01	1.3E-07	1.0E-03	8.1E-11	1.6E-01	1.4E-02	1.7E-13	0.047122838
1.0E-03	3.0E-09	1.6E-01	1.4E-02	6.4E-12	5.8E-01	1.3E-07	1.0E-03	8.0E-11	1.6E-01	1.4E-02	1.7E-13	0.056130868
1.0E-03	3.0E-09	1.6E-01	1.4E-02	6.6E-12	5.7E-01	1.3E-07	1.0E-03	7.9E-11	1.6E-01	1.4E-02	1.7E-13	0.068514485
1.0E-03	3.1E-09	1.6E-01	1.4E-02	6.7E-12	5.6E-01	1.3E-07	1.0E-03	7.8E-11	1.6E-01	1.4E-02	1.7E-13	0.084441734
1.0E-03	3.2E-09	1.6E-01	1.4E-02	6.8E-12	5.6E-01	1.3E-07	1.0E-03	7.7E-11	1.6E-01	1.4E-02	1.7E-13	0.104099371
1.0E-03	3.2E-09	1.6E-01	1.4E-02	6.8E-12	5.5E-01	1.3E-07	1.0E-03	7.6E-11	1.6E-01	1.4E-02	1.6E-13	0.128535666
1.0E-03	3.2E-09	1.6E-01	1.4E-02	6.9E-12	5.4E-01	1.3E-07	1.0E-03	7.5E-11	1.6E-01	1.4E-02	1.6E-13	0.1545525
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1.0E-03	3.2E-09	1.6E-01	1.4E-02	6.8E-12	5.2E-01	1.3E-07	1.0E-03	7.2E-11	1.6E-01	1.4E-02	1.5E-13	0.206439478
1.0E-03	3.1E-09	1.6E-01	1.4E-02	6.7E-12	5.1E-01	1.3E-07	1.0E-03	7.0E-11	1.6E-01	1.4E-02	1.5E-13	0.210596976
1.0E-03	3.1E-09	1.6E-01	1.4E-02	6.6E-12	5.0E-01	1.3E-07	1.0E-03	6.9E-11	1.6E-01	1.4E-02	1.5E-13	0.207375863
1.0E-03	3.0E-09	1.6E-01	1.4E-02	6.4E-12	4.9E-01	1.3E-07	1.0E-03	6.8E-11	1.6E-01	1.4E-02	1.5E-13	0.19712811
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1.0E-03	2.8E-09	1.6E-01	1.4E-02	6.1E-12	4.7E-01	1.3E-07	1.0E-03	6.5E-11	1.6E-01	1.4E-02	1.4E-13	0.158823156
1.0E-03	2.7E-09	1.6E-01	1.4E-02	5.9E-12	4.6E-01	1.3E-07	1.0E-03	6.4E-11	1.6E-01	1.4E-02	1.4E-13	0.136955359
1.0E-03	2.6E-09	1.6E-01	1.4E-02	5.7E-12	4.5E-01	1.3E-07	1.0E-03	6.3E-11	1.6E-01	1.4E-02	1.4E-13	0.117905557
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1.0E-03	2.4E-09	1.6E-01	1.4E-02	5.3E-12	4.4E-01	1.3E-07	1.0E-03	6.0E-11	1.6E-01	1.4E-02	1.3E-13	0.08758242
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1.0E-03	2.2E-09	1.6E-01	1.4E-02	4.8E-12	4.2E-01	1.3E-07	1.0E-03	5.8E-11	1.6E-01	1.4E-02	1.2E-13	0.066613662
1.0E-03	2.2E-09	1.6E-01	1.4E-02	4.7E-12	5.8E-01	1.3E-07	1.0E-03	8.1E-11	1.6E-01	1.4E-02	1.7E-13	0.02164322
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1.0E-03	2.4E-09	1.6E-01	1.4E-02	5.1E-12	5.8E-01	1.3E-07	1.0E-03	8.0E-11	1.6E-01	1.4E-02	1.7E-13	0.027758154
1.0E-03	2.5E-09	1.6E-01	1.4E-02	5.3E-12	5.7E-01	1.3E-07	1.0E-03	7.9E-11	1.6E-01	1.4E-02	1.7E-13	0.031767289
1.0E-03	2.6E-09	1.6E-01	1.4E-02	5.5E-12	5.7E-01	1.3E-07	1.0E-03	7.8E-11	1.6E-01	1.4E-02	1.7E-13	0.036712002
1.0E-03	2.7E-09	1.6E-01	1.4E-02	5.7E-12	5.6E-01	1.3E-07	1.0E-03	7.8E-11	1.6E-01	1.4E-02	1.7E-13	0.042942457
1.0E-03	2.7E-09	1.6E-01	1.4E-02	5.9E-12	5.6E-01	1.3E-07	1.0E-03	7.7E-11	1.6E-01	1.4E-02	1.7E-13	0.050572887
1.0E-03	2.8E-09	1.6E-01	1.4E-02	6.0E-12	5.5E-01	1.3E-07	1.0E-03	7.6E-11	1.6E-01	1.4E-02	1.6E-13	0.06056565
1.0E-03	2.8E-09	1.6E-01	1.4E-02	6.1E-12	5.4E-01	1.3E-07	1.0E-03	7.5E-11	1.6E-01	1.4E-02	1.6E-13	0.072059143
1.0E-03	2.9E-09	1.6E-01	1.4E-02	6.2E-12	5.4E-01	1.3E-07	1.0E-03	7.4E-11	1.6E-01	1.4E-02	1.6E-13	0.086302212
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1.0E-03	2.9E-09	1.6E-01	1.4E-02	6.3E-12	5.2E-01	1.3E-07	1.0E-03	7.2E-11	1.6E-01	1.4E-02	1.6E-13	0.118742362
1.0E-03	2.9E-09	1.6E-01	1.4E-02	6.3E-12	5.2E-01	1.3E-07	1.0E-03	7.1E-11	1.6E-01	1.4E-02	1.5E-13	0.133716692
1.0E-03	2.9E-09	1.6E-01	1.4E-02	6.3E-12	5.1E-01	1.3E-07	1.0E-03	7.0E-11	1.6E-01	1.4E-02	1.5E-13	0.145364753
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1.0E-03	2.9E-09	1.6E-01	1.4E-02	6.2E-12	4.9E-01	1.3E-07	1.0E-03	6.8E-11	1.6E-01	1.4E-02	1.5E-13	0.156407934
1.0E-03	2.8E-09	1.6E-01	1.4E-02	6.1E-12	4.8E-01	1.3E-07	1.0E-03	6.7E-11	1.6E-01	1.4E-02	1.4E-13	0.155186571
1.0E-03	2.8E-09	1.6E-01	1.4E-02	6.0E-12	4.8E-01	1.3E-07	1.0E-03	6.6E-11	1.6E-01	1.4E-02	1.4E-13	0.149448366
1.0E-03	2.7E-09	1.6E-01	1.4E-02	5.8E-12	4.7E-01	1.3E-07	1.0E-03	6.5E-11	1.6E-01	1.4E-02	1.4E-13	0.13953319
1.0E-03	2.6E-09	1.6E-01	1.4E-02	5.7E-12	4.6E-01	1.3E-07	1.0E-03	6.4E-11	1.6E-01	1.4E-02	1.4E-13	0.126423143
1.0E-03	2.6E-09	1.6E-01	1.4E-02	5.5E-12	4.5E-01	1.3E-07	1.0E-03	6.2E-11	1.6E-01	1.4E-02	1.3E-13	0.112505386
1.0E-03	2.5E-09	1.6E-01	1.4E-02	5.3E-12	4.4E-01	1.3E-07	1.0E-03	6.1E-11	1.6E-01	1.4E-02	1.3E-13	0.099771508
1.0E-03	2.4E-09	1.6E-01	1.4E-02	5.2E-12	4.3E-01	1.3E-07	1.0E-03	6.0E-11	1.6E-01	1.4E-02	1.3E-13	0.087794258
1.0E-03	2.3E-09	1.6E-01	1.4E-02	5.0E-12	4.2E-01	1.3E-07	1.0E-03	5.9E-11	1.6E-01	1.4E-02	1.3E-13	0.077247631
1.0E-03	2.2E-09	1.6E-01	1.4E-02	4.8E-12	4.2E-01	1.3E-07	1.0E-03	5.8E-11	1.6E-01	1.4E-02	1.2E-13	0.0680779
1.0E-03	2.1E-09	1.6E-01	1.4E-02	4.6E-12	4.1E-01	1.3E-07	1.0E-03	5.6E-11	1.6E-01	1.4E-02	1.2E-13	0.060341887
1.0E-03	2.0E-09	1.6E-01	1.4E-02	4.4E-12	5.6E-01	1.3E-07	1.0E-03	7.8E-11	1.6E-01	1.4E-02	1.7E-13	0.020564694

1.0E-03	2.1E-09	1.6E-01	1.4E-02	4.5E-12	5.6E-01	1.3E-07	1.0E-03	7.7E-11	1.6E-01	1.4E-02	1.7E-13	0.023081229
1.0E-03	2.2E-09	1.6E-01	1.4E-02	4.7E-12	5.5E-01	1.3E-07	1.0E-03	7.7E-11	1.6E-01	1.4E-02	1.7E-13	0.026019078
1.0E-03	2.3E-09	1.6E-01	1.4E-02	4.9E-12	5.5E-01	1.3E-07	1.0E-03	7.6E-11	1.6E-01	1.4E-02	1.6E-13	0.029618381
1.0E-03	2.4E-09	1.6E-01	1.4E-02	5.1E-12	5.5E-01	1.3E-07	1.0E-03	7.6E-11	1.6E-01	1.4E-02	1.6E-13	0.033800862
1.0E-03	2.4E-09	1.6E-01	1.4E-02	5.3E-12	5.4E-01	1.3E-07	1.0E-03	7.5E-11	1.6E-01	1.4E-02	1.6E-13	0.039079498
1.0E-03	2.5E-09	1.6E-01	1.4E-02	5.4E-12	5.4E-01	1.3E-07	1.0E-03	7.4E-11	1.6E-01	1.4E-02	1.6E-13	0.04544047
1.0E-03	2.6E-09	1.6E-01	1.4E-02	5.5E-12	5.3E-01	1.3E-07	1.0E-03	7.3E-11	1.6E-01	1.4E-02	1.6E-13	0.053265098
1.0E-03	2.6E-09	1.6E-01	1.4E-02	5.6E-12	5.3E-01	1.3E-07	1.0E-03	7.3E-11	1.6E-01	1.4E-02	1.6E-13	0.061727055
1.0E-03	2.7E-09	1.6E-01	1.4E-02	5.7E-12	5.2E-01	1.3E-07	1.0E-03	7.2E-11	1.6E-01	1.4E-02	1.5E-13	0.072139295
1.0E-03	2.7E-09	1.6E-01	1.4E-02	5.8E-12	5.1E-01	1.3E-07	1.0E-03	7.1E-11	1.6E-01	1.4E-02	1.5E-13	0.082803762
1.0E-03	2.7E-09	1.6E-01	1.4E-02	5.8E-12	5.1E-01	1.3E-07	1.0E-03	7.0E-11	1.6E-01	1.4E-02	1.5E-13	0.094242444
1.0E-03	2.7E-09	1.6E-01	1.4E-02	5.8E-12	5.0E-01	1.3E-07	1.0E-03	6.9E-11	1.6E-01	1.4E-02	1.5E-13	0.104686648
1.0E-03	2.7E-09	1.6E-01	1.4E-02	5.8E-12	4.9E-01	1.3E-07	1.0E-03	6.8E-11	1.6E-01	1.4E-02	1.5E-13	0.112532214
1.0E-03	2.7E-09	1.6E-01	1.4E-02	5.8E-12	4.9E-01	1.3E-07	1.0E-03	6.7E-11	1.6E-01	1.4E-02	1.4E-13	0.118020392
1.0E-03	2.7E-09	1.6E-01	1.4E-02	5.7E-12	4.8E-01	1.3E-07	1.0E-03	6.6E-11	1.6E-01	1.4E-02	1.4E-13	0.121107585
1.0E-03	2.6E-09	1.6E-01	1.4E-02	5.7E-12	4.7E-01	1.3E-07	1.0E-03	6.5E-11	1.6E-01	1.4E-02	1.4E-13	0.121132163
1.0E-03	2.6E-09	1.6E-01	1.4E-02	5.6E-12	4.6E-01	1.3E-07	1.0E-03	6.4E-11	1.6E-01	1.4E-02	1.4E-13	0.118040146
1.0E-03	2.5E-09	1.6E-01	1.4E-02	5.5E-12	4.5E-01	1.3E-07	1.0E-03	6.3E-11	1.6E-01	1.4E-02	1.4E-13	0.111932635
1.0E-03	2.5E-09	1.6E-01	1.4E-02	5.3E-12	4.5E-01	1.3E-07	1.0E-03	6.2E-11	1.6E-01	1.4E-02	1.3E-13	0.103284846
1.0E-03	2.4E-09	1.6E-01	1.4E-02	5.2E-12	4.4E-01	1.3E-07	1.0E-03	6.1E-11	1.6E-01	1.4E-02	1.3E-13	0.093984433
1.0E-03	2.3E-09	1.6E-01	1.4E-02	5.0E-12	4.3E-01	1.3E-07	1.0E-03	6.0E-11	1.6E-01	1.4E-02	1.3E-13	0.084907937
1.0E-03	2.3E-09	1.6E-01	1.4E-02	4.9E-12	4.2E-01	1.3E-07	1.0E-03	5.8E-11	1.6E-01	1.4E-02	1.3E-13	0.076169674
1.0E-03	2.2E-09	1.6E-01	1.4E-02	4.7E-12	4.1E-01	1.3E-07	1.0E-03	5.7E-11	1.6E-01	1.4E-02	1.2E-13	0.068174743
1.0E-03	2.1E-09	1.6E-01	1.4E-02	4.5E-12	4.1E-01	1.3E-07	1.0E-03	5.6E-11	1.6E-01	1.4E-02	1.2E-13	0.061005279
1.0E-03	2.0E-09	1.6E-01	1.4E-02	4.4E-12	4.0E-01	1.3E-07	1.0E-03	5.5E-11	1.6E-01	1.4E-02	1.2E-13	0.054727028
1.0E-03	1.9E-09	1.6E-01	1.4E-02	4.1E-12	5.4E-01	1.3E-07	1.0E-03	7.5E-11	1.6E-01	1.4E-02	1.6E-13	0.019454003
1.0E-03	2.0E-09	1.6E-01	1.4E-02	4.2E-12	5.4E-01	1.3E-07	1.0E-03	7.4E-11	1.6E-01	1.4E-02	1.6E-13	0.021642669
1.0E-03	2.0E-09	1.6E-01	1.4E-02	4.4E-12	5.3E-01	1.3E-07	1.0E-03	7.4E-11	1.6E-01	1.4E-02	1.6E-13	0.024254711
1.0E-03	2.1E-09	1.6E-01	1.4E-02	4.6E-12	5.3E-01	1.3E-07	1.0E-03	7.3E-11	1.6E-01	1.4E-02	1.6E-13	0.027333726
1.0E-03	2.2E-09	1.6E-01	1.4E-02	4.7E-12	5.3E-01	1.3E-07	1.0E-03	7.3E-11	1.6E-01	1.4E-02	1.6E-13	0.031125258
1.0E-03	2.3E-09	1.6E-01	1.4E-02	4.9E-12	5.2E-01	1.3E-07	1.0E-03	7.2E-11	1.6E-01	1.4E-02	1.6E-13	0.035493188
1.0E-03	2.3E-09	1.6E-01	1.4E-02	5.0E-12	5.2E-01	1.3E-07	1.0E-03	7.2E-11	1.6E-01	1.4E-02	1.5E-13	0.040681258
1.0E-03	2.4E-09	1.6E-01	1.4E-02	5.1E-12	5.1E-01	1.3E-07	1.0E-03	7.1E-11	1.6E-01	1.4E-02	1.5E-13	0.046829962
1.0E-03	2.4E-09	1.6E-01	1.4E-02	5.2E-12	5.1E-01	1.3E-07	1.0E-03	7.0E-11	1.6E-01	1.4E-02	1.5E-13	0.053499102
1.0E-03	2.5E-09	1.6E-01	1.4E-02	5.3E-12	5.0E-01	1.3E-07	1.0E-03	6.9E-11	1.6E-01	1.4E-02	1.5E-13	0.06099593
1.0E-03	2.5E-09	1.6E-01	1.4E-02	5.4E-12	5.0E-01	1.3E-07	1.0E-03	6.9E-11	1.6E-01	1.4E-02	1.5E-13	0.068732027
1.0E-03	2.5E-09	1.6E-01	1.4E-02	5.4E-12	4.9E-01	1.3E-07	1.0E-03	6.8E-11	1.6E-01	1.4E-02	1.5E-13	0.07675305
1.0E-03	2.5E-09	1.6E-01	1.4E-02	5.4E-12	4.8E-01	1.3E-07	1.0E-03	6.7E-11	1.6E-01	1.4E-02	1.4E-13	0.084314549
1.0E-03	2.5E-09	1.6E-01	1.4E-02	5.4E-12	4.8E-01	1.3E-07	1.0E-03	6.6E-11	1.6E-01	1.4E-02	1.4E-13	0.090035421
1.0E-03	2.5E-09	1.6E-01	1.4E-02	5.4E-12	4.7E-01	1.3E-07	1.0E-03	6.5E-11	1.6E-01	1.4E-02	1.4E-13	0.094316471
1.0E-03	2.5E-09	1.6E-01	1.4E-02	5.3E-12	4.6E-01	1.3E-07	1.0E-03	6.4E-11	1.6E-01	1.4E-02	1.4E-13	0.097092638
1.0E-03	2.5E-09	1.6E-01	1.4E-02	5.3E-12	4.6E-01	1.3E-07	1.0E-03	6.3E-11	1.6E-01	1.4E-02	1.4E-13	0.097855671
1.0E-03	2.4E-09	1.6E-01	1.4E-02	5.2E-12	4.5E-01	1.3E-07	1.0E-03	6.2E-11	1.6E-01	1.4E-02	1.3E-13	0.096308525
1.0E-03	2.4E-09	1.6E-01	1.4E-02	5.1E-12	4.4E-01	1.3E-07	1.0E-03	6.1E-11	1.6E-01	1.4E-02	1.3E-13	0.092426827
1.0E-03	2.3E-09	1.6E-01	1.4E-02	5.0E-12	4.3E-01	1.3E-07	1.0E-03	6.0E-11	1.6E-01	1.4E-02	1.3E-13	0.086105866
1.0E-03	2.3E-09	1.6E-01	1.4E-02	4.9E-12	4.3E-01	1.3E-07	1.0E-03	5.9E-11	1.6E-01	1.4E-02	1.3E-13	0.079706199
1.0E-03	2.2E-09	1.6E-01	1.4E-02	4.7E-12	4.2E-01	1.3E-07	1.0E-03	5.8E-11	1.6E-01	1.4E-02	1.2E-13	0.073234779
1.0E-03	2.1E-09	1.6E-01	1.4E-02	4.6E-12	4.1E-01	1.3E-07	1.0E-03	5.7E-11	1.6E-01	1.4E-02	1.2E-13	0.066756832
1.0E-03	2.1E-09	1.6E-01	1.4E-02	4.4E-12	4.0E-01	1.3E-07	1.0E-03	5.6E-11	1.6E-01	1.4E-02	1.2E-13	0.060611798

1.0E-03	2.0E-09	1.6E-01	1.4E-02	4.3E-12	4.0E-01	1.3E-07	1.0E-03	5.5E-11	1.6E-01	1.4E-02	1.2E-13	0.054930478
1.0E-03	1.9E-09	1.6E-01	1.4E-02	4.2E-12	3.9E-01	1.3E-07	1.0E-03	5.4E-11	1.6E-01	1.4E-02	1.2E-13	0.049784021
1.0E-03	1.8E-09	1.6E-01	1.4E-02	3.8E-12	5.2E-01	1.3E-07	1.0E-03	7.2E-11	1.6E-01	1.4E-02	1.6E-13	0.018381436
1.0E-03	1.8E-09	1.6E-01	1.4E-02	4.0E-12	5.2E-01	1.3E-07	1.0E-03	7.2E-11	1.6E-01	1.4E-02	1.5E-13	0.02035012
1.0E-03	1.9E-09	1.6E-01	1.4E-02	4.1E-12	5.2E-01	1.3E-07	1.0E-03	7.1E-11	1.6E-01	1.4E-02	1.5E-13	0.022646312
1.0E-03	2.0E-09	1.6E-01	1.4E-02	4.3E-12	5.1E-01	1.3E-07	1.0E-03	7.1E-11	1.6E-01	1.4E-02	1.5E-13	0.02535987
1.0E-03	2.0E-09	1.6E-01	1.4E-02	4.4E-12	5.1E-01	1.3E-07	1.0E-03	7.0E-11	1.6E-01	1.4E-02	1.5E-13	0.028634635
1.0E-03	2.1E-09	1.6E-01	1.4E-02	4.5E-12	5.0E-01	1.3E-07	1.0E-03	7.0E-11	1.6E-01	1.4E-02	1.5E-13	0.032310286
1.0E-03	2.2E-09	1.6E-01	1.4E-02	4.6E-12	5.0E-01	1.3E-07	1.0E-03	6.9E-11	1.6E-01	1.4E-02	1.5E-13	0.036567311
1.0E-03	2.2E-09	1.6E-01	1.4E-02	4.7E-12	5.0E-01	1.3E-07	1.0E-03	6.9E-11	1.6E-01	1.4E-02	1.5E-13	0.041516939
1.0E-03	2.2E-09	1.6E-01	1.4E-02	4.8E-12	4.9E-01	1.3E-07	1.0E-03	6.8E-11	1.6E-01	1.4E-02	1.5E-13	0.046654774
1.0E-03	2.3E-09	1.6E-01	1.4E-02	4.9E-12	4.9E-01	1.3E-07	1.0E-03	6.7E-11	1.6E-01	1.4E-02	1.4E-13	0.052210826
1.0E-03	2.3E-09	1.6E-01	1.4E-02	5.0E-12	4.8E-01	1.3E-07	1.0E-03	6.6E-11	1.6E-01	1.4E-02	1.4E-13	0.058083819
1.0E-03	2.3E-09	1.6E-01	1.4E-02	5.0E-12	4.7E-01	1.3E-07	1.0E-03	6.6E-11	1.6E-01	1.4E-02	1.4E-13	0.064037305
1.0E-03	2.3E-09	1.6E-01	1.4E-02	5.0E-12	4.7E-01	1.3E-07	1.0E-03	6.5E-11	1.6E-01	1.4E-02	1.4E-13	0.069597095
1.0E-03	2.3E-09	1.6E-01	1.4E-02	5.0E-12	4.6E-01	1.3E-07	1.0E-03	6.4E-11	1.6E-01	1.4E-02	1.4E-13	0.073876102
1.0E-03	2.3E-09	1.6E-01	1.4E-02	5.0E-12	4.6E-01	1.3E-07	1.0E-03	6.3E-11	1.6E-01	1.4E-02	1.4E-13	0.077468406
1.0E-03	2.3E-09	1.6E-01	1.4E-02	5.0E-12	4.5E-01	1.3E-07	1.0E-03	6.2E-11	1.6E-01	1.4E-02	1.3E-13	0.079859654
1.0E-03	2.3E-09	1.6E-01	1.4E-02	4.9E-12	4.4E-01	1.3E-07	1.0E-03	6.1E-11	1.6E-01	1.4E-02	1.3E-13	0.08087897
1.0E-03	2.3E-09	1.6E-01	1.4E-02	4.9E-12	4.4E-01	1.3E-07	1.0E-03	6.0E-11	1.6E-01	1.4E-02	1.3E-13	0.080092075
1.0E-03	2.2E-09	1.6E-01	1.4E-02	4.8E-12	4.3E-01	1.3E-07	1.0E-03	5.9E-11	1.6E-01	1.4E-02	1.3E-13	0.077485497
1.0E-03	2.2E-09	1.6E-01	1.4E-02	4.7E-12	4.2E-01	1.3E-07	1.0E-03	5.8E-11	1.6E-01	1.4E-02	1.3E-13	0.072923114
1.0E-03	2.1E-09	1.6E-01	1.4E-02	4.6E-12	4.1E-01	1.3E-07	1.0E-03	5.7E-11	1.6E-01	1.4E-02	1.2E-13	0.068403466
1.0E-03	2.1E-09	1.6E-01	1.4E-02	4.5E-12	4.1E-01	1.3E-07	1.0E-03	5.6E-11	1.6E-01	1.4E-02	1.2E-13	0.063831981
1.0E-03	2.0E-09	1.6E-01	1.4E-02	4.3E-12	4.0E-01	1.3E-07	1.0E-03	5.5E-11	1.6E-01	1.4E-02	1.2E-13	0.05899546
1.0E-03	2.0E-09	1.6E-01	1.4E-02	4.2E-12	3.9E-01	1.3E-07	1.0E-03	5.4E-11	1.6E-01	1.4E-02	1.2E-13	0.054233689
1.0E-03	1.9E-09	1.6E-01	1.4E-02	4.1E-12	3.9E-01	1.3E-07	1.0E-03	5.3E-11	1.6E-01	1.4E-02	1.2E-13	0.049653263
1.0E-03	1.8E-09	1.6E-01	1.4E-02	3.9E-12	3.8E-01	1.3E-07	1.0E-03	5.2E-11	1.6E-01	1.4E-02	1.1E-13	0.045399145

7. Construction Health Risk
d. Unmitigated School Risk

Construction Health Risk
Unmitigated School - Assumptions and Risk Summary

Franklin School Project

Unmitigated School - Construction Health Risk Assumptions

	3rd	0-2	2-16	>16	Units
DBR	361	1090	631	261	L/kg
A	1	1	1	1	no units
EF	0.95890411	0.958904	0.958904	0.958904	years
Constant 1	0.000001	0.000001	0.000001	0.000001	no units
CPF	1.1	1.1	1.1	1.1	mg/kg-day-1
ASF	10	10	3	1	no units
Modernization Const	0.00	0.00	0.668	0.00	years
Modernization AC	0.00	0.00	0.274	0.00	years
Portable Set-up	0.00	0.00	0.038	0.00	years
New Building Demo	0.00	0.00	0.055	0.00	years
New Building Grading	0.00	0.00	0.014	0.00	years
New Building Const	0.00	0.00	0.548	0.00	years
New Building AC	0.00	0.00	0.027	0.00	years
New Building Pav	0.00	0.00	0.027	0.00	years
New Building Demo (Port. 2)	0.00	0.00	0.005	0.00	years
New Building Demo (Port. 1,3,4)	0.00	0.00	0.014	0.00	years
AT	70	70	70	70	years
FAH	1	1	1	0.73	day
Constant 2	1,000,000	1,000,000	1,000,000	1,000,000	no units
Dose Constants:	0.00034616	0.001045	0.000605	0.00025	no units
Risk Constants:	0.15714286	0.157143	0.047143	0.011471	no units

Dose = (Cair X DBR X A X EF X Constant 1)

Cancer Risk = Dose X CPF x ASF x (ED/AT) X FAH

Risk per Million = Cancer Risk X Constant 2

Non-Cancer Hazard Quotent = Average Annual Concentration x Chronic Inhalation REL

Onsite	lbs/day	g/day	g/sec
	2 to 16		
Modernization Const	0.1939	87.951561	0.0020359
Modernization AC	0.0941	42.683042	0.000988
Portable Set-up	0	0	0
New Building Demo	1.0409	472.1443	0.0109293
New Building Grading	0.6379	289.34657	0.0066978
New Building Const	0.6843	310.39326	0.007185
New Building AC	0.0941	42.683042	0.000988
New Building Pav	0.4153	188.37691	0.0043606
New Building Demo (Port. 2)	0.8174	370.7664	0.0085826
New Building Demo (Port. 1,3,4)	0.8174	370.7664	0.0085826

Offsite

	Source	Miles	lbs/day	g/day	gr/sec
Mod - Building					
	Haul 1A	0.04256385	2.3323E-05	0.010579	2.45E-07
	Haul 2A	0.13434019	7.3611E-05	0.0333894	7.73E-07
	Haul B	0.27576401	0.0001511	0.0685394	1.59E-06
	Haul C	0.02963935	1.6241E-05	0.0073667	1.71E-07
NB - BC					
	Haul 1A	0.04256385	7.5799E-05	0.0343817	7.96E-07
	Haul 2A	0.13434019	0.00023924	0.1085156	2.51E-06
	Haul B	0.27576401	0.00049109	0.2227531	5.16E-06
	Haul C	0.02963935	5.2782E-05	0.0239417	5.54E-07
Portable Classrooms					
	Haul 1A	0.04256385	1.8111E-05	0.008215	1.9E-07
	Haul 2A	0.13434019	5.7162E-05	0.0259281	6E-07
	Haul B	0.27576401	0.00011734	0.0532234	1.23E-06
	Haul C	0.02963935	1.2612E-05	0.0057205	1.32E-07
NB - Demo					
	Haul 1A	0.04256385	0.00018728	0.0849492	1.97E-06
	Haul 2A	0.13434019	0.0005911	0.268117	6.21E-06
	Haul B	0.27576401	0.00121336	0.5503716	1.27E-05
	Haul C	0.02963935	0.00013041	0.0591544	1.37E-06
NB-Demo (Port. 2)					
	Haul 1A	0.04256385	1.8111E-05	0.008215	1.9E-07
	Haul 2A	0.13434019	5.7162E-05	0.0259281	6E-07
	Haul B	0.27576401	0.00011734	0.0532234	1.23E-06
	Haul C	0.02963935	1.2612E-05	0.0057205	1.32E-07
NB-Demo (Port. 1,3,4)					
	Haul 1A	0.04256385	1.8111E-05	0.008215	1.9E-07
	Haul 2A	0.13434019	5.7162E-05	0.0259281	6E-07
	Haul B	0.27576401	0.00011734	0.0532234	1.23E-06
	Haul C	0.02963935	1.2612E-05	0.0057205	1.32E-07

Franklin School Project

Unmitigated School - Construction Health Risk Assumptions

Source Name	Description
Haul1A	Haul Route: Copeland from Site to Meade
HaulB	Haul Route: Copeland from Meade Ave to El Cajon Blvd
HaulC	Haul Route: El Cajon Blvd from Site to I-15
Haul2A	Haul Route: Maede form Site to Copeland
MOD	Modernization activities for Buildings 01-01, 02-02, and 02-03
NB1	New Building Demolition and Grading areas
NB2	Building Construction and Architectural Coating Areas
NB3	Paving areas

Construction activities can occur between 7 am and 7 pm Monday through Friday.

Receptor Designations

Residential #43 to 806

RES50 #1 to 272 - Residential receptors with 50 meter spacing

RES10 #273 to #806 - Residential receptors with 10 meter spacing

School

LL #807 to 820 - Onsite receptrs for the library and LLC building - Impacted by all phases

02-02 #821 to 835 - Onsite receptors for building 02-02. Impacted by all but 1/3 of Modernization.

01-01 #836 to 850 - Onsite receptors for building 01-01. Impacted by all but 1/3 of Modernization.

02-03 #851 to 865 - Onsite receptors for building 02-03. Impacted by all but 1/3 of Modernization.

Port #866 to 872 - Onsite receptors for portable buildings. Impacts vary by building

School receptors: Risk for onsite receptors is determined by conservately assuming that all onsite receptors are exposed for the duration of the construction project. However, because modernization requires painting and repairs to classrooms, it is anticipated that students sould be located in the portable classrooms during the time the reparis to their classrooms are occurring. As the portable classrooms are located on the other side of the campus from the new building construction (greatest risk source) risk to students would be similar or lower at the portable classrooms than they would in the library or building 02-03. Also, as a conservative estimate of onsite risk, the Assembly and Administrative building (building 02-03) is evaluated as if it were regular classrooms.

Franklin School Project
Unmitigated School - Emissions

Onsite

Phase	Start	End	# days	lbs/day PM10	Source		
Mod - Building	1/1/2021	12/08/21	244	0.1939	MOD	Const. Hours	12
Mod - AC	06/01/21	10/18/21	100	0.0941	MOD		
Portable Classrooms	1/1/2021	1/20/2021	14	0.0000	-		
NB - Demo	01/21/19	02/17/21	20	1.0409	NB1		
NB - Grading	02/18/21	02/24/21	5	0.6379	NB1		
NB - BC	02/25/21	12/01/21	200	0.6843	NB2		
NB - AC	11/25/21	12/08/21	10	0.0941	NB2		
NB - Paving	11/25/21	12/08/21	10	0.4153	NB3		
NB-Demo (Port. 2)	12/09/21	12/11/21	2	0.8174	NB1		
NB-Demo (Port. 1,3,4)	12/13/21	12/17/21	5	0.8174	NB1		

Offsite

	Vendor Trips	miles/trip	lbs/day	lbs/day/mile	Haul Trips	miles/trip	lbs/day	lbs/day/mile
Mod - Building	4	7.30	0.004	0.00054795	0	20.00		
Mod - AC	0	7.30			0	20.00		
Portable Classrooms	0	7.30			10	20.00	8.51E-03	0.000426
NB - Demo		7.30			205	20.00	0.088	0.004400
NB - Grading	0	7.30			0	20.00		
NB - BC	12	7.30	0.013	0.00178082	0	20.00		
NB - AC	0	7.30			0	20.00		
NB - Paving	0	7.30			0	20.00		
NB-Demo (Port. 2)	0	7.30			6	20.00	8.51E-03	0.000426
NB-Demo (Port. 1,3,4)	0	7.30			15	20.00	8.51E-03	0.000426

Source	Meters	Miles
Haul 1A	68.50	0.04
Haul 2A	216.20	0.13
Haul B	443.80	0.28
Haul C	47.70	0.03

Franklin School Project

Unmitigated School - Construction Cancer Risk Summary

865	Receptor
11.31	Max

Receptor #	X	Y	Total	Mod BC	Mod AC	Port	Demo	Grad	BC	0.00	Pav	Demo-Port. 2	Demo-Port. 1,3,4	Receptor Typ
807	490307	3624461	5.34	2.93	0.58	0.00	0.50	0.08	0.97	0.01	0.14	0.04	0.10	LL
808	490317	3624461	4.66	2.14	0.43	0.00	0.57	0.09	1.12	0.01	0.16	0.04	0.11	LL
809	490307	3624471	5.75	3.04	0.60	0.00	0.55	0.08	1.19	0.01	0.12	0.04	0.11	LL
810	490317	3624471	5.12	2.24	0.45	0.00	0.60	0.09	1.40	0.01	0.16	0.05	0.12	LL
811	490307	3624481	6.20	3.12	0.62	0.00	0.57	0.09	1.48	0.01	0.14	0.04	0.11	LL
812	490317	3624481	5.83	2.33	0.46	0.00	0.72	0.11	1.80	0.01	0.19	0.06	0.14	LL
813	490307	3624491	6.71	3.20	0.64	0.00	0.58	0.09	1.88	0.01	0.15	0.05	0.11	LL
814	490317	3624491	6.60	2.41	0.48	0.00	0.78	0.12	2.40	0.02	0.19	0.06	0.15	LL
815	490307	3624501	7.41	3.30	0.66	0.00	0.61	0.09	2.41	0.02	0.15	0.05	0.12	LL
816	490317	3624501	7.49	2.52	0.50	0.00	0.68	0.10	3.29	0.02	0.18	0.05	0.13	LL
817	490307	3624511	8.35	3.49	0.69	0.00	0.63	0.10	3.11	0.02	0.13	0.05	0.12	LL
818	490317	3624511	9.06	2.73	0.54	0.00	0.68	0.10	4.60	0.03	0.18	0.05	0.13	LL
819	490307	3624521	9.08	3.52	0.70	0.00	0.61	0.09	3.84	0.03	0.13	0.05	0.12	LL
820	490317	3624521	10.97	2.61	0.52	0.00	0.83	0.13	6.45	0.04	0.17	0.07	0.16	LL
821	490276	3624433	2.21	1.28	0.26	0.00	0.13	0.02	0.44	0.00	0.04	0.01	0.03	02-20
822	490286	3624433	2.18	1.17	0.23	0.00	0.17	0.03	0.48	0.00	0.05	0.01	0.03	02-20
823	490296	3624433	2.86	1.63	0.32	0.00	0.21	0.03	0.53	0.00	0.06	0.02	0.04	02-20
824	490276	3624443	2.54	1.49	0.30	0.00	0.15	0.02	0.49	0.00	0.04	0.01	0.03	02-20
825	490286	3624443	2.13	1.04	0.21	0.00	0.19	0.03	0.55	0.00	0.06	0.01	0.04	02-20
826	490296	3624443	3.32	1.88	0.37	0.00	0.25	0.04	0.62	0.00	0.08	0.02	0.05	02-20
827	490276	3624453	3.59	2.29	0.45	0.00	0.16	0.03	0.56	0.00	0.05	0.01	0.03	02-20
828	490286	3624453	3.50	2.07	0.41	0.00	0.22	0.03	0.64	0.00	0.08	0.02	0.04	02-20
829	490296	3624453	4.53	2.74	0.55	0.00	0.29	0.04	0.72	0.00	0.09	0.02	0.06	02-20
830	490276	3624463	3.83	2.40	0.48	0.00	0.18	0.03	0.64	0.00	0.06	0.01	0.03	02-20
831	490286	3624463	3.72	2.13	0.42	0.00	0.23	0.04	0.73	0.01	0.09	0.02	0.05	02-20
832	490296	3624463	4.85	2.85	0.57	0.00	0.33	0.05	0.86	0.01	0.10	0.03	0.06	02-20
833	490276	3624473	4.03	2.47	0.49	0.00	0.19	0.03	0.72	0.00	0.07	0.01	0.04	02-20
834	490286	3624473	3.93	2.19	0.43	0.00	0.25	0.04	0.85	0.01	0.10	0.02	0.05	02-20
835	490296	3624473	5.14	2.92	0.58	0.00	0.36	0.05	1.02	0.01	0.09	0.03	0.07	02-20
836	490276	3624481	4.20	2.54	0.51	0.00	0.19	0.03	0.80	0.01	0.07	0.02	0.04	01-01
837	490286	3624481	4.15	2.26	0.45	0.00	0.26	0.04	0.96	0.01	0.10	0.02	0.05	01-01
838	490296	3624481	5.42	3.00	0.60	0.00	0.37	0.06	1.18	0.01	0.11	0.03	0.07	01-01
839	490276	3624491	4.42	2.62	0.52	0.00	0.20	0.03	0.91	0.01	0.07	0.02	0.04	01-01
840	490286	3624491	4.48	2.39	0.48	0.00	0.27	0.04	1.12	0.01	0.10	0.02	0.05	01-01
841	490296	3624491	5.81	3.10	0.62	0.00	0.38	0.06	1.42	0.01	0.12	0.03	0.07	01-01
842	490276	3624501	4.52	2.62	0.52	0.00	0.20	0.03	1.02	0.01	0.07	0.02	0.04	01-01
843	490286	3624501	4.72	2.45	0.49	0.00	0.27	0.04	1.30	0.01	0.09	0.02	0.05	01-01
844	490296	3624501	6.24	3.20	0.64	0.00	0.39	0.06	1.72	0.01	0.12	0.03	0.08	01-01
845	490276	3624511	4.52	2.54	0.50	0.00	0.20	0.03	1.12	0.01	0.07	0.02	0.04	01-01
846	490286	3624511	4.83	2.38	0.47	0.00	0.27	0.04	1.48	0.01	0.10	0.02	0.05	01-01
847	490296	3624511	6.62	3.23	0.64	0.00	0.39	0.06	2.06	0.01	0.11	0.03	0.08	01-01
848	490276	3624521	4.46	2.44	0.48	0.00	0.20	0.03	1.20	0.01	0.06	0.02	0.04	01-01
849	490286	3624521	4.91	2.34	0.47	0.00	0.27	0.04	1.62	0.01	0.09	0.02	0.05	01-01
850	490296	3624521	6.60	2.95	0.59	0.00	0.39	0.06	2.38	0.02	0.11	0.03	0.08	01-01
851	490279	3624525	4.51	2.34	0.47	0.00	0.21	0.03	1.33	0.01	0.06	0.02	0.04	02-03
852	490289	3624525	5.49	2.59	0.51	0.00	0.29	0.04	1.87	0.01	0.09	0.02	0.06	02-03
853	490299	3624525	7.12	2.96	0.59	0.00	0.43	0.07	2.83	0.02	0.11	0.03	0.08	02-03
854	490309	3624525	9.05	2.87	0.57	0.00	0.66	0.10	4.50	0.03	0.15	0.05	0.13	02-03

Franklin School Project

Unmitigated School - Construction Cancer Risk Summary

865	Receptor
11.31	Max

Receptor #	X	Y	Total	Mod BC	Mod AC	Port	Demo	Grad	BC	0.00	Pav	Demo-Port. 2	Demo-Port. 1,3,4	Receptor Typ
855	490319	3624525	10.51	2.53	0.50	0.00	0.67	0.10	6.33	0.04	0.14	0.05	0.13	02-03
856	490279	3624535	4.02	1.92	0.38	0.00	0.20	0.03	1.36	0.01	0.05	0.02	0.04	02-03
857	490289	3624535	4.52	1.75	0.35	0.00	0.28	0.04	1.94	0.01	0.07	0.02	0.05	02-03
858	490299	3624535	5.93	1.87	0.37	0.00	0.41	0.06	2.99	0.02	0.10	0.03	0.08	02-03
859	490309	3624535	8.23	1.83	0.36	0.00	0.64	0.10	4.95	0.03	0.14	0.05	0.12	02-03
860	490319	3624535	10.57	1.98	0.39	0.00	0.59	0.09	7.17	0.05	0.12	0.05	0.12	02-03
861	490279	3624545	3.72	1.70	0.34	0.00	0.19	0.03	1.37	0.01	0.05	0.01	0.04	02-03
862	490289	3624545	5.06	2.24	0.45	0.00	0.25	0.04	1.93	0.01	0.06	0.02	0.05	02-03
863	490299	3624545	5.92	1.99	0.40	0.00	0.36	0.06	2.91	0.02	0.08	0.03	0.07	02-03
864	490309	3624545	8.18	2.14	0.43	0.00	0.55	0.08	4.69	0.03	0.11	0.04	0.11	02-03
865	490319	3624545	11.31	1.97	0.39	0.00	0.56	0.09	7.99	0.05	0.11	0.04	0.11	02-03
866	490298	3624431	2.66	1.46	0.29	0.00	0.22	0.03	0.53	0.00	0.06	0.02	0.04	Port
867	490298	3624441	4.21	2.62	0.52	0.00	0.26	0.04	0.61	0.00	0.08	0.02	0.05	Port
868	490308	3624441	4.16	2.37	0.47	0.00	0.37	0.06	0.68	0.00	0.11	0.03	0.07	Port
869	490318	3624441	3.77	1.76	0.35	0.00	0.54	0.08	0.76	0.01	0.12	0.04	0.11	Port
870	490298	3624451	4.26	2.51	0.50	0.00	0.31	0.05	0.72	0.00	0.09	0.02	0.06	Port
871	490308	3624451	4.73	2.66	0.53	0.00	0.44	0.07	0.81	0.01	0.10	0.03	0.09	Port
872	490318	3624451	4.25	1.94	0.39	0.00	0.60	0.09	0.92	0.01	0.13	0.05	0.12	Port

Franklin School Project

Unmitigated School - Construction Health Impact Assessment

820	Receptor
0.51	Max

Receptor #	Max	Mod BC	Mod AC	Port	Demo	Grad	BC	AC	Paving	Demo-Port. 2	Demo-Port. 1,3,4
807	2.99E-01	0.030703	0.014899	3.66E-06	0.064102	0.039261	0.012389	0.001702	0.035368	0.050312287	0.050312287
808	3.21E-01	0.02248	0.010909	3.55E-06	0.072367	0.044327	0.014295	0.001964	0.040828	0.056803319	0.056803319
809	3.20E-01	0.031881	0.015471	3.1E-06	0.070935	0.043452	0.015215	0.00209	0.029979	0.055682255	0.055682255
810	3.40E-01	0.023545	0.011425	3.03E-06	0.076803	0.047048	0.017962	0.002468	0.039737	0.060290195	0.060290195
811	3.40E-01	0.03277	0.015902	2.65E-06	0.073214	0.044851	0.018966	0.002607	0.036866	0.057474348	0.057474348
812	4.05E-01	0.024417	0.011848	2.61E-06	0.092511	0.056677	0.023087	0.003173	0.048502	0.072628353	0.072628353
813	3.54E-01	0.033586	0.016298	2.3E-06	0.074775	0.04581	0.024021	0.003302	0.038617	0.058703086	0.058703086
814	4.37E-01	0.025257	0.012256	2.28E-06	0.099695	0.061082	0.03067	0.004216	0.047357	0.078272643	0.078272643
815	3.74E-01	0.034638	0.016809	2.02E-06	0.078559	0.048131	0.030806	0.004235	0.037687	0.06167681	0.06167681
816	4.10E-01	0.026413	0.012817	2E-06	0.086696	0.053118	0.042156	0.005796	0.046996	0.068066353	0.068066353
817	3.91E-01	0.036645	0.017783	1.78E-06	0.080777	0.049492	0.039742	0.005464	0.03392	0.063420343	0.063420343
818	4.34E-01	0.02862	0.013889	1.77E-06	0.087251	0.053459	0.058808	0.008086	0.047054	0.068504281	0.068504281
819	3.92E-01	0.036903	0.017909	1.58E-06	0.078366	0.048015	0.049128	0.006755	0.032332	0.061527761	0.061527761
820	5.14E-01	0.027394	0.013294	1.58E-06	0.105937	0.064912	0.082511	0.011345	0.042729	0.083178988	0.083178988
821	9.06E-02	0.013459	0.00653	6.62E-06	0.017236	0.010521	0.005605	0.000767	0.009541	0.013487981	0.013487981
822	1.05E-01	0.012311	0.005972	7.2E-06	0.021323	0.013022	0.006168	0.000844	0.012014	0.016693168	0.016693168
823	1.36E-01	0.017086	0.00829	6.72E-06	0.027473	0.016794	0.006817	0.000934	0.015561	0.02152593	0.02152593
824	1.02E-01	0.015602	0.00757	5.21E-06	0.019072	0.011655	0.006291	0.000862	0.011341	0.014940225	0.014940225
825	1.16E-01	0.010881	0.005279	5.52E-06	0.024272	0.01484	0.007032	0.000964	0.015183	0.019020821	0.019020821
826	1.62E-01	0.019765	0.00959	5.33E-06	0.032269	0.019742	0.007879	0.00108	0.020887	0.025301966	0.025301966
827	1.24E-01	0.023972	0.011632	4.53E-06	0.021068	0.012882	0.007147	0.00098	0.013599	0.016512047	0.016512047
828	1.49E-01	0.021664	0.010512	4.32E-06	0.027544	0.016853	0.008141	0.001117	0.019768	0.021599333	0.021599333
829	1.96E-01	0.02878	0.013966	4.33E-06	0.037536	0.022976	0.009255	0.00127	0.023264	0.029445137	0.029445137
830	1.35E-01	0.025159	0.012208	3.49E-06	0.022778	0.013937	0.008131	0.001116	0.01566	0.017862497	0.017862497
831	1.63E-01	0.022347	0.010844	3.56E-06	0.03005	0.018393	0.009405	0.001291	0.023953	0.023572668	0.023572668
832	2.15E-01	0.029938	0.014528	3.58E-06	0.042096	0.025775	0.010954	0.001504	0.024619	0.03303161	0.03303161
833	1.43E-01	0.025924	0.01258	2.92E-06	0.024116	0.014761	0.009254	0.001271	0.017017	0.018917004	0.018917004
834	1.74E-01	0.022934	0.011129	2.99E-06	0.031791	0.019464	0.010877	0.001494	0.02599	0.024943832	0.024943832
835	2.29E-01	0.03066	0.014878	3.02E-06	0.045547	0.027894	0.013113	0.001801	0.023697	0.035745881	0.035745881
836	1.48E-01	0.02667	0.012942	2.57E-06	0.024935	0.015265	0.010259	0.001409	0.017593	0.019562902	0.019562902
837	1.80E-01	0.023753	0.011527	2.64E-06	0.032784	0.020074	0.012245	0.001682	0.026091	0.025725859	0.025725859
838	2.42E-01	0.031446	0.01526	2.66E-06	0.046793	0.028659	0.015106	0.002076	0.029081	0.036726339	0.036726339
839	1.54E-01	0.027529	0.013359	2.22E-06	0.025682	0.015725	0.011636	0.001599	0.018037	0.020151827	0.020151827
840	1.88E-01	0.025105	0.012182	2.27E-06	0.033968	0.020803	0.014294	0.001964	0.026713	0.026658472	0.026658472
841	2.53E-01	0.032526	0.015784	2.3E-06	0.048167	0.029504	0.018191	0.0025	0.030456	0.037808631	0.037808631
842	1.56E-01	0.027439	0.013316	1.93E-06	0.02598	0.015909	0.013036	0.001791	0.018063	0.020387804	0.020387804
843	1.91E-01	0.02568	0.012462	1.98E-06	0.034866	0.021355	0.016638	0.002287	0.023262	0.027365847	0.027365847
844	2.63E-01	0.033538	0.016275	2.01E-06	0.049715	0.030454	0.02205	0.003031	0.029901	0.039025808	0.039025808
845	1.55E-01	0.026618	0.012917	1.7E-06	0.025702	0.01574	0.014276	0.001962	0.017088	0.020171447	0.020171447
846	1.96E-01	0.024919	0.012092	1.74E-06	0.034807	0.02132	0.018884	0.002596	0.026674	0.027320517	0.027320517
847	2.68E-01	0.033922	0.016462	1.77E-06	0.050364	0.030854	0.026398	0.003629	0.027473	0.039537278	0.039537278
848	1.51E-01	0.025555	0.012401	1.51E-06	0.02508	0.015361	0.015293	0.002102	0.015364	0.019684367	0.019684367
849	1.91E-01	0.024538	0.011908	1.55E-06	0.034005	0.02083	0.020778	0.002856	0.022581	0.026692764	0.026692764
850	2.65E-01	0.030971	0.015029	1.57E-06	0.049565	0.030365	0.030467	0.004189	0.026934	0.038911359	0.038911359

Franklin School Project

Unmitigated School - Construction Health Impact Assessment

820	Receptor
0.51	**Max**

Receptor #	Max	Mod BC	Mod AC	Port	Demo	Grad	BC	AC	Paving	Demo-Port. 2	Demo-Port. 1,3,4
851	1.58E-01	0.024576	0.011926	1.46E-06	0.026931	0.016495	0.017031	0.002341	0.01614	0.021137698	0.021137698
852	2.10E-01	0.027146	0.013173	1.49E-06	0.037319	0.022861	0.023897	0.003285	0.023344	0.029295087	0.029295087
853	2.91E-01	0.031057	0.015071	1.5E-06	0.05527	0.033862	0.036208	0.004978	0.027352	0.043391611	0.043391611
854	4.15E-01	0.030093	0.014604	1.51E-06	0.083923	0.051421	0.05758	0.007917	0.037227	0.065892367	0.065892367
855	4.41E-01	0.026552	0.012885	1.51E-06	0.086349	0.052908	0.080993	0.011137	0.034676	0.06779745	0.06779745
856	1.45E-01	0.020176	0.009791	1.3E-06	0.025516	0.015629	0.017445	0.002398	0.013728	0.020027599	0.020027599
857	1.86E-01	0.018315	0.008888	1.33E-06	0.035298	0.021624	0.024871	0.003419	0.018637	0.027709751	0.027709751
858	2.63E-01	0.019632	0.009527	1.35E-06	0.051912	0.031805	0.038221	0.005255	0.025291	0.040755923	0.040755923
859	3.95E-01	0.019183	0.009309	1.36E-06	0.081465	0.049916	0.063401	0.008718	0.035019	0.063963557	0.063963557
860	4.08E-01	0.020814	0.010101	1.36E-06	0.075641	0.046347	0.091783	0.012621	0.031885	0.059389757	0.059389757
861	1.35E-01	0.017795	0.008636	1.17E-06	0.024017	0.014711	0.017472	0.002402	0.011823	0.018851711	0.018851711
862	1.82E-01	0.023525	0.011416	1.2E-06	0.032607	0.019975	0.024704	0.003396	0.015407	0.025597418	0.025597418
863	2.42E-01	0.020915	0.010149	1.22E-06	0.046577	0.028536	0.037193	0.005114	0.020525	0.036567366	0.036567366
864	3.55E-01	0.022454	0.010896	1.22E-06	0.070659	0.043295	0.059958	0.008244	0.028492	0.055478521	0.055478521
865	4.02E-01	0.020683	0.010037	1.23E-06	0.071272	0.04367	0.102232	0.014057	0.028248	0.055959763	0.055959763
866	1.36E-01	0.015327	0.007436	7.02E-06	0.028248	0.017267	0.006788	0.000929	0.015628	0.022132879	0.022132879
867	1.76E-01	0.027467	0.013328	5.55E-06	0.033288	0.020365	0.007822	0.001072	0.02089	0.026101051	0.026101051
868	2.24E-01	0.024873	0.012069	5.37E-06	0.046733	0.028605	0.008733	0.001198	0.028397	0.036660163	0.036660163
869	2.91E-01	0.018429	0.008942	5.09E-06	0.069297	0.042435	0.009707	0.001332	0.031903	0.054381554	0.054381554
870	1.98E-01	0.026309	0.012766	4.49E-06	0.039058	0.023908	0.009181	0.00126	0.023744	0.030639532	0.030639532
871	2.59E-01	0.027873	0.013525	4.39E-06	0.05687	0.034824	0.01039	0.001426	0.024425	0.044627381	0.044627381
872	3.22E-01	0.020396	0.009897	4.21E-06	0.076653	0.046949	0.011814	0.001622	0.033869	0.060164081	0.060164081

Risk From Modernization Const - Unmitigated School

Franklin School Project

Risk From Modernization Const - Unmitigated School

	3.52	Max

Onsite

Receptor #	Total/ Million	Total	Conc	g/sec	D1	Dose	R1	ED	Risk
807	2.93	2.9E-06	7.5E+01	2.0E-03	6.1E-04	9.3E-05	4.7E-02	6.7E-01	2.9E-06
808	2.14	2.1E-06	5.5E+01	2.0E-03	6.1E-04	6.8E-05	4.7E-02	6.7E-01	2.1E-06
809	3.04	3.0E-06	7.8E+01	2.0E-03	6.1E-04	9.6E-05	4.7E-02	6.7E-01	3.0E-06
810	2.24	2.2E-06	5.8E+01	2.0E-03	6.1E-04	7.1E-05	4.7E-02	6.7E-01	2.2E-06
811	3.12	3.1E-06	8.0E+01	2.0E-03	6.1E-04	9.9E-05	4.7E-02	6.7E-01	3.1E-06
812	2.33	2.3E-06	6.0E+01	2.0E-03	6.1E-04	7.4E-05	4.7E-02	6.7E-01	2.3E-06
813	3.20	3.2E-06	8.2E+01	2.0E-03	6.1E-04	1.0E-04	4.7E-02	6.7E-01	3.2E-06
814	2.41	2.4E-06	6.2E+01	2.0E-03	6.1E-04	7.6E-05	4.7E-02	6.7E-01	2.4E-06
815	3.30	3.3E-06	8.5E+01	2.0E-03	6.1E-04	1.0E-04	4.7E-02	6.7E-01	3.3E-06
816	2.52	2.5E-06	6.5E+01	2.0E-03	6.1E-04	8.0E-05	4.7E-02	6.7E-01	2.5E-06
817	3.49	3.5E-06	9.0E+01	2.0E-03	6.1E-04	1.1E-04	4.7E-02	6.7E-01	3.5E-06
818	2.73	2.7E-06	7.0E+01	2.0E-03	6.1E-04	8.7E-05	4.7E-02	6.7E-01	2.7E-06
819	3.52	3.5E-06	9.1E+01	2.0E-03	6.1E-04	1.1E-04	4.7E-02	6.7E-01	3.5E-06
820	2.61	2.6E-06	6.7E+01	2.0E-03	6.1E-04	8.3E-05	4.7E-02	6.7E-01	2.6E-06
821	1.28	1.3E-06	3.3E+01	2.0E-03	6.1E-04	4.1E-05	4.7E-02	6.7E-01	1.3E-06
822	1.17	1.2E-06	3.0E+01	2.0E-03	6.1E-04	3.7E-05	4.7E-02	6.7E-01	1.2E-06
823	1.63	1.6E-06	4.2E+01	2.0E-03	6.1E-04	5.2E-05	4.7E-02	6.7E-01	1.6E-06
824	1.49	1.5E-06	3.8E+01	2.0E-03	6.1E-04	4.7E-05	4.7E-02	6.7E-01	1.5E-06
825	1.04	1.0E-06	2.7E+01	2.0E-03	6.1E-04	3.3E-05	4.7E-02	6.7E-01	1.0E-06
826	1.88	1.9E-06	4.9E+01	2.0E-03	6.1E-04	6.0E-05	4.7E-02	6.7E-01	1.9E-06
827	2.29	2.3E-06	5.9E+01	2.0E-03	6.1E-04	7.3E-05	4.7E-02	6.7E-01	2.3E-06
828	2.07	2.1E-06	5.3E+01	2.0E-03	6.1E-04	6.6E-05	4.7E-02	6.7E-01	2.1E-06
829	2.74	2.7E-06	7.1E+01	2.0E-03	6.1E-04	8.7E-05	4.7E-02	6.7E-01	2.7E-06
830	2.40	2.4E-06	6.2E+01	2.0E-03	6.1E-04	7.6E-05	4.7E-02	6.7E-01	2.4E-06
831	2.13	2.1E-06	5.5E+01	2.0E-03	6.1E-04	6.8E-05	4.7E-02	6.7E-01	2.1E-06
832	2.85	2.9E-06	7.4E+01	2.0E-03	6.1E-04	9.1E-05	4.7E-02	6.7E-01	2.9E-06
833	2.47	2.5E-06	6.4E+01	2.0E-03	6.1E-04	7.8E-05	4.7E-02	6.7E-01	2.5E-06
834	2.19	2.2E-06	5.6E+01	2.0E-03	6.1E-04	6.9E-05	4.7E-02	6.7E-01	2.2E-06
835	2.92	2.9E-06	7.5E+01	2.0E-03	6.1E-04	9.3E-05	4.7E-02	6.7E-01	2.9E-06
836	2.54	2.5E-06	6.5E+01	2.0E-03	6.1E-04	8.1E-05	4.7E-02	6.7E-01	2.5E-06
837	2.26	2.3E-06	5.8E+01	2.0E-03	6.1E-04	7.2E-05	4.7E-02	6.7E-01	2.3E-06
838	3.00	3.0E-06	7.7E+01	2.0E-03	6.1E-04	9.5E-05	4.7E-02	6.7E-01	3.0E-06
839	2.62	2.6E-06	6.8E+01	2.0E-03	6.1E-04	8.3E-05	4.7E-02	6.7E-01	2.6E-06
840	2.39	2.4E-06	6.2E+01	2.0E-03	6.1E-04	7.6E-05	4.7E-02	6.7E-01	2.4E-06
841	3.10	3.1E-06	8.0E+01	2.0E-03	6.1E-04	9.8E-05	4.7E-02	6.7E-01	3.1E-06
842	2.62	2.6E-06	6.7E+01	2.0E-03	6.1E-04	8.3E-05	4.7E-02	6.7E-01	2.6E-06
843	2.45	2.4E-06	6.3E+01	2.0E-03	6.1E-04	7.8E-05	4.7E-02	6.7E-01	2.4E-06
844	3.20	3.2E-06	8.2E+01	2.0E-03	6.1E-04	1.0E-04	4.7E-02	6.7E-01	3.2E-06
845	2.54	2.5E-06	6.5E+01	2.0E-03	6.1E-04	8.1E-05	4.7E-02	6.7E-01	2.5E-06
846	2.38	2.4E-06	6.1E+01	2.0E-03	6.1E-04	7.5E-05	4.7E-02	6.7E-01	2.4E-06
847	3.23	3.2E-06	8.3E+01	2.0E-03	6.1E-04	1.0E-04	4.7E-02	6.7E-01	3.2E-06
848	2.44	2.4E-06	6.3E+01	2.0E-03	6.1E-04	7.7E-05	4.7E-02	6.7E-01	2.4E-06
849	2.34	2.3E-06	6.0E+01	2.0E-03	6.1E-04	7.4E-05	4.7E-02	6.7E-01	2.3E-06

Franklin School Project

Risk From Modernization Const - Unmitigated School

	3.52	Max

Onsite

Receptor #	Total/ Million	Total	Conc	g/sec	D1	Dose	R1	ED	Risk
850	2.95	3.0E-06	7.6E+01	2.0E-03	6.1E-04	9.4E-05	4.7E-02	6.7E-01	3.0E-06
851	2.34	2.3E-06	6.0E+01	2.0E-03	6.1E-04	7.4E-05	4.7E-02	6.7E-01	2.3E-06
852	2.59	2.6E-06	6.7E+01	2.0E-03	6.1E-04	8.2E-05	4.7E-02	6.7E-01	2.6E-06
853	2.96	3.0E-06	7.6E+01	2.0E-03	6.1E-04	9.4E-05	4.7E-02	6.7E-01	3.0E-06
854	2.87	2.9E-06	7.4E+01	2.0E-03	6.1E-04	9.1E-05	4.7E-02	6.7E-01	2.9E-06
855	2.53	2.5E-06	6.5E+01	2.0E-03	6.1E-04	8.0E-05	4.7E-02	6.7E-01	2.5E-06
856	1.92	1.9E-06	5.0E+01	2.0E-03	6.1E-04	6.1E-05	4.7E-02	6.7E-01	1.9E-06
857	1.75	1.7E-06	4.5E+01	2.0E-03	6.1E-04	5.5E-05	4.7E-02	6.7E-01	1.7E-06
858	1.87	1.9E-06	4.8E+01	2.0E-03	6.1E-04	5.9E-05	4.7E-02	6.7E-01	1.9E-06
859	1.83	1.8E-06	4.7E+01	2.0E-03	6.1E-04	5.8E-05	4.7E-02	6.7E-01	1.8E-06
860	1.98	2.0E-06	5.1E+01	2.0E-03	6.1E-04	6.3E-05	4.7E-02	6.7E-01	2.0E-06
861	1.70	1.7E-06	4.4E+01	2.0E-03	6.1E-04	5.4E-05	4.7E-02	6.7E-01	1.7E-06
862	2.24	2.2E-06	5.8E+01	2.0E-03	6.1E-04	7.1E-05	4.7E-02	6.7E-01	2.2E-06
863	1.99	2.0E-06	5.1E+01	2.0E-03	6.1E-04	6.3E-05	4.7E-02	6.7E-01	2.0E-06
864	2.14	2.1E-06	5.5E+01	2.0E-03	6.1E-04	6.8E-05	4.7E-02	6.7E-01	2.1E-06
865	1.97	2.0E-06	5.1E+01	2.0E-03	6.1E-04	6.3E-05	4.7E-02	6.7E-01	2.0E-06
866	1.46	1.5E-06	3.8E+01	2.0E-03	6.1E-04	4.6E-05	4.7E-02	6.7E-01	1.5E-06
867	2.62	2.6E-06	6.7E+01	2.0E-03	6.1E-04	8.3E-05	4.7E-02	6.7E-01	2.6E-06
868	2.37	2.4E-06	6.1E+01	2.0E-03	6.1E-04	7.5E-05	4.7E-02	6.7E-01	2.4E-06
869	1.76	1.8E-06	4.5E+01	2.0E-03	6.1E-04	5.6E-05	4.7E-02	6.7E-01	1.8E-06
870	2.51	2.5E-06	6.5E+01	2.0E-03	6.1E-04	8.0E-05	4.7E-02	6.7E-01	2.5E-06
871	2.66	2.7E-06	6.8E+01	2.0E-03	6.1E-04	8.4E-05	4.7E-02	6.7E-01	2.7E-06
872	1.94	1.9E-06	5.0E+01	2.0E-03	6.1E-04	6.2E-05	4.7E-02	6.7E-01	1.9E-06

Franklin School Project

Risk From Modernization Const - Unmitigated School

	Haul Route 1A							Haul Route 2A						
Receptor #	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
807	2.0E+01	2.4E-07	6.1E-04	2.9E-09	4.7E-02	6.7E-01	9.2E-11	9.9E+00	7.7E-07	6.1E-04	4.6E-09	4.7E-02	6.7E-01	1.5E-10
808	1.7E+01	2.4E-07	6.1E-04	2.5E-09	4.7E-02	6.7E-01	7.9E-11	9.6E+00	7.7E-07	6.1E-04	4.5E-09	4.7E-02	6.7E-01	1.4E-10
809	1.6E+01	2.4E-07	6.1E-04	2.4E-09	4.7E-02	6.7E-01	7.5E-11	8.4E+00	7.7E-07	6.1E-04	3.9E-09	4.7E-02	6.7E-01	1.2E-10
810	1.4E+01	2.4E-07	6.1E-04	2.1E-09	4.7E-02	6.7E-01	6.6E-11	8.2E+00	7.7E-07	6.1E-04	3.8E-09	4.7E-02	6.7E-01	1.2E-10
811	1.3E+01	2.4E-07	6.1E-04	2.0E-09	4.7E-02	6.7E-01	6.2E-11	7.2E+00	7.7E-07	6.1E-04	3.4E-09	4.7E-02	6.7E-01	1.1E-10
812	1.2E+01	2.4E-07	6.1E-04	1.8E-09	4.7E-02	6.7E-01	5.6E-11	7.1E+00	7.7E-07	6.1E-04	3.3E-09	4.7E-02	6.7E-01	1.0E-10
813	1.1E+01	2.4E-07	6.1E-04	1.7E-09	4.7E-02	6.7E-01	5.2E-11	6.2E+00	7.7E-07	6.1E-04	2.9E-09	4.7E-02	6.7E-01	9.2E-11
814	1.0E+01	2.4E-07	6.1E-04	1.5E-09	4.7E-02	6.7E-01	4.8E-11	6.2E+00	7.7E-07	6.1E-04	2.9E-09	4.7E-02	6.7E-01	9.1E-11
815	9.5E+00	2.4E-07	6.1E-04	1.4E-09	4.7E-02	6.7E-01	4.4E-11	5.4E+00	7.7E-07	6.1E-04	2.5E-09	4.7E-02	6.7E-01	8.0E-11
816	8.8E+00	2.4E-07	6.1E-04	1.3E-09	4.7E-02	6.7E-01	4.1E-11	5.4E+00	7.7E-07	6.1E-04	2.5E-09	4.7E-02	6.7E-01	8.0E-11
817	8.2E+00	2.4E-07	6.1E-04	1.2E-09	4.7E-02	6.7E-01	3.8E-11	4.8E+00	7.7E-07	6.1E-04	2.2E-09	4.7E-02	6.7E-01	7.1E-11
818	7.7E+00	2.4E-07	6.1E-04	1.1E-09	4.7E-02	6.7E-01	3.6E-11	4.8E+00	7.7E-07	6.1E-04	2.2E-09	4.7E-02	6.7E-01	7.1E-11
819	7.1E+00	2.4E-07	6.1E-04	1.0E-09	4.7E-02	6.7E-01	3.3E-11	4.3E+00	7.7E-07	6.1E-04	2.0E-09	4.7E-02	6.7E-01	6.3E-11
820	6.7E+00	2.4E-07	6.1E-04	9.9E-10	4.7E-02	6.7E-01	3.1E-11	4.3E+00	7.7E-07	6.1E-04	2.0E-09	4.7E-02	6.7E-01	6.3E-11
821	3.2E+01	2.4E-07	6.1E-04	4.8E-09	4.7E-02	6.7E-01	1.5E-10	1.8E+01	7.7E-07	6.1E-04	8.4E-09	4.7E-02	6.7E-01	2.7E-10
822	6.9E+01	2.4E-07	6.1E-04	1.0E-08	4.7E-02	6.7E-01	3.2E-10	1.8E+01	7.7E-07	6.1E-04	8.6E-09	4.7E-02	6.7E-01	2.7E-10
823	4.7E+01	2.4E-07	6.1E-04	6.9E-09	4.7E-02	6.7E-01	2.2E-10	1.8E+01	7.7E-07	6.1E-04	8.5E-09	4.7E-02	6.7E-01	2.7E-10
824	2.2E+01	2.4E-07	6.1E-04	3.2E-09	4.7E-02	6.7E-01	1.0E-10	1.4E+01	7.7E-07	6.1E-04	6.6E-09	4.7E-02	6.7E-01	2.1E-10
825	5.0E+01	2.4E-07	6.1E-04	7.5E-09	4.7E-02	6.7E-01	2.4E-10	1.4E+01	7.7E-07	6.1E-04	6.8E-09	4.7E-02	6.7E-01	2.1E-10
826	3.7E+01	2.4E-07	6.1E-04	5.5E-09	4.7E-02	6.7E-01	1.7E-10	1.4E+01	7.7E-07	6.1E-04	6.8E-09	4.7E-02	6.7E-01	2.1E-10
827	4.4E+01	2.4E-07	6.1E-04	6.6E-09	4.7E-02	6.7E-01	2.1E-10	1.1E+01	7.7E-07	6.1E-04	5.3E-09	4.7E-02	6.7E-01	1.7E-10
828	3.6E+01	2.4E-07	6.1E-04	5.3E-09	4.7E-02	6.7E-01	1.7E-10	1.2E+01	7.7E-07	6.1E-04	5.5E-09	4.7E-02	6.7E-01	1.7E-10
829	2.9E+01	2.4E-07	6.1E-04	4.3E-09	4.7E-02	6.7E-01	1.3E-10	1.2E+01	7.7E-07	6.1E-04	5.5E-09	4.7E-02	6.7E-01	1.7E-10
830	3.0E+01	2.4E-07	6.1E-04	4.4E-09	4.7E-02	6.7E-01	1.4E-10	9.4E+00	7.7E-07	6.1E-04	4.4E-09	4.7E-02	6.7E-01	1.4E-10
831	2.6E+01	2.4E-07	6.1E-04	3.9E-09	4.7E-02	6.7E-01	1.2E-10	9.7E+00	7.7E-07	6.1E-04	4.5E-09	4.7E-02	6.7E-01	1.4E-10
832	2.2E+01	2.4E-07	6.1E-04	3.3E-09	4.7E-02	6.7E-01	1.0E-10	9.7E+00	7.7E-07	6.1E-04	4.5E-09	4.7E-02	6.7E-01	1.4E-10
833	2.2E+01	2.4E-07	6.1E-04	3.2E-09	4.7E-02	6.7E-01	1.0E-10	7.9E+00	7.7E-07	6.1E-04	3.7E-09	4.7E-02	6.7E-01	1.2E-10
834	2.0E+01	2.4E-07	6.1E-04	2.9E-09	4.7E-02	6.7E-01	9.2E-11	8.1E+00	7.7E-07	6.1E-04	3.8E-09	4.7E-02	6.7E-01	1.2E-10
835	1.8E+01	2.4E-07	6.1E-04	2.6E-09	4.7E-02	6.7E-01	8.3E-11	8.2E+00	7.7E-07	6.1E-04	3.8E-09	4.7E-02	6.7E-01	1.2E-10
836	1.7E+01	2.4E-07	6.1E-04	2.6E-09	4.7E-02	6.7E-01	8.1E-11	7.0E+00	7.7E-07	6.1E-04	3.3E-09	4.7E-02	6.7E-01	1.0E-10
837	1.6E+01	2.4E-07	6.1E-04	2.4E-09	4.7E-02	6.7E-01	7.6E-11	7.1E+00	7.7E-07	6.1E-04	3.3E-09	4.7E-02	6.7E-01	1.1E-10
838	1.5E+01	2.4E-07	6.1E-04	2.2E-09	4.7E-02	6.7E-01	7.0E-11	7.2E+00	7.7E-07	6.1E-04	3.4E-09	4.7E-02	6.7E-01	1.1E-10
839	1.4E+01	2.4E-07	6.1E-04	2.0E-09	4.7E-02	6.7E-01	6.4E-11	6.0E+00	7.7E-07	6.1E-04	2.8E-09	4.7E-02	6.7E-01	8.8E-11
840	1.3E+01	2.4E-07	6.1E-04	1.9E-09	4.7E-02	6.7E-01	6.1E-11	6.1E+00	7.7E-07	6.1E-04	2.9E-09	4.7E-02	6.7E-01	9.1E-11
841	1.2E+01	2.4E-07	6.1E-04	1.8E-09	4.7E-02	6.7E-01	5.7E-11	6.2E+00	7.7E-07	6.1E-04	2.9E-09	4.7E-02	6.7E-01	9.2E-11
842	1.1E+01	2.4E-07	6.1E-04	1.6E-09	4.7E-02	6.7E-01	5.2E-11	5.2E+00	7.7E-07	6.1E-04	2.4E-09	4.7E-02	6.7E-01	7.7E-11
843	1.1E+01	2.4E-07	6.1E-04	1.6E-09	4.7E-02	6.7E-01	5.0E-11	5.4E+00	7.7E-07	6.1E-04	2.5E-09	4.7E-02	6.7E-01	7.9E-11
844	1.0E+01	2.4E-07	6.1E-04	1.5E-09	4.7E-02	6.7E-01	4.8E-11	5.4E+00	7.7E-07	6.1E-04	2.5E-09	4.7E-02	6.7E-01	8.0E-11
845	9.1E+00	2.4E-07	6.1E-04	1.4E-09	4.7E-02	6.7E-01	4.3E-11	4.6E+00	7.7E-07	6.1E-04	2.1E-09	4.7E-02	6.7E-01	6.8E-11
846	8.9E+00	2.4E-07	6.1E-04	1.3E-09	4.7E-02	6.7E-01	4.2E-11	4.7E+00	7.7E-07	6.1E-04	2.2E-09	4.7E-02	6.7E-01	6.9E-11
847	8.6E+00	2.4E-07	6.1E-04	1.3E-09	4.7E-02	6.7E-01	4.0E-11	4.8E+00	7.7E-07	6.1E-04	2.2E-09	4.7E-02	6.7E-01	7.0E-11
848	7.7E+00	2.4E-07	6.1E-04	1.1E-09	4.7E-02	6.7E-01	3.6E-11	4.1E+00	7.7E-07	6.1E-04	1.9E-09	4.7E-02	6.7E-01	6.0E-11
849	7.6E+00	2.4E-07	6.1E-04	1.1E-09	4.7E-02	6.7E-01	3.5E-11	4.2E+00	7.7E-07	6.1E-04	2.0E-09	4.7E-02	6.7E-01	6.2E-11

Franklin School Project

Risk From Modernization Const - Unmitigated School

	Haul Route 1A							Haul Route 2A						
Receptor #	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
850	7.4E+00	2.4E-07	6.1E-04	1.1E-09	4.7E-02	6.7E-01	3.4E-11	4.2E+00	7.7E-07	6.1E-04	2.0E-09	4.7E-02	6.7E-01	6.2E-11
851	7.2E+00	2.4E-07	6.1E-04	1.1E-09	4.7E-02	6.7E-01	3.4E-11	3.9E+00	7.7E-07	6.1E-04	1.8E-09	4.7E-02	6.7E-01	5.8E-11
852	7.1E+00	2.4E-07	6.1E-04	1.0E-09	4.7E-02	6.7E-01	3.3E-11	4.0E+00	7.7E-07	6.1E-04	1.9E-09	4.7E-02	6.7E-01	5.9E-11
853	6.9E+00	2.4E-07	6.1E-04	1.0E-09	4.7E-02	6.7E-01	3.2E-11	4.1E+00	7.7E-07	6.1E-04	1.9E-09	4.7E-02	6.7E-01	6.0E-11
854	6.6E+00	2.4E-07	6.1E-04	9.8E-10	4.7E-02	6.7E-01	3.1E-11	4.1E+00	7.7E-07	6.1E-04	1.9E-09	4.7E-02	6.7E-01	6.0E-11
855	6.3E+00	2.4E-07	6.1E-04	9.3E-10	4.7E-02	6.7E-01	2.9E-11	4.1E+00	7.7E-07	6.1E-04	1.9E-09	4.7E-02	6.7E-01	6.0E-11
856	6.2E+00	2.4E-07	6.1E-04	9.2E-10	4.7E-02	6.7E-01	2.9E-11	3.5E+00	7.7E-07	6.1E-04	1.6E-09	4.7E-02	6.7E-01	5.2E-11
857	6.1E+00	2.4E-07	6.1E-04	9.1E-10	4.7E-02	6.7E-01	2.9E-11	3.6E+00	7.7E-07	6.1E-04	1.7E-09	4.7E-02	6.7E-01	5.3E-11
858	6.0E+00	2.4E-07	6.1E-04	8.9E-10	4.7E-02	6.7E-01	2.8E-11	3.6E+00	7.7E-07	6.1E-04	1.7E-09	4.7E-02	6.7E-01	5.4E-11
859	5.8E+00	2.4E-07	6.1E-04	8.6E-10	4.7E-02	6.7E-01	2.7E-11	3.7E+00	7.7E-07	6.1E-04	1.7E-09	4.7E-02	6.7E-01	5.4E-11
860	5.6E+00	2.4E-07	6.1E-04	8.3E-10	4.7E-02	6.7E-01	2.6E-11	3.7E+00	7.7E-07	6.1E-04	1.7E-09	4.7E-02	6.7E-01	5.4E-11
861	5.4E+00	2.4E-07	6.1E-04	8.0E-10	4.7E-02	6.7E-01	2.5E-11	3.2E+00	7.7E-07	6.1E-04	1.5E-09	4.7E-02	6.7E-01	4.7E-11
862	5.3E+00	2.4E-07	6.1E-04	7.9E-10	4.7E-02	6.7E-01	2.5E-11	3.2E+00	7.7E-07	6.1E-04	1.5E-09	4.7E-02	6.7E-01	4.8E-11
863	5.3E+00	2.4E-07	6.1E-04	7.8E-10	4.7E-02	6.7E-01	2.5E-11	3.3E+00	7.7E-07	6.1E-04	1.5E-09	4.7E-02	6.7E-01	4.8E-11
864	5.1E+00	2.4E-07	6.1E-04	7.6E-10	4.7E-02	6.7E-01	2.4E-11	3.3E+00	7.7E-07	6.1E-04	1.5E-09	4.7E-02	6.7E-01	4.9E-11
865	5.0E+00	2.4E-07	6.1E-04	7.4E-10	4.7E-02	6.7E-01	2.3E-11	3.3E+00	7.7E-07	6.1E-04	1.5E-09	4.7E-02	6.7E-01	4.9E-11
866	4.6E+01	2.4E-07	6.1E-04	6.7E-09	4.7E-02	6.7E-01	2.1E-10	1.9E+01	7.7E-07	6.1E-04	8.9E-09	4.7E-02	6.7E-01	2.8E-10
867	3.7E+01	2.4E-07	6.1E-04	5.5E-09	4.7E-02	6.7E-01	1.7E-10	1.5E+01	7.7E-07	6.1E-04	7.1E-09	4.7E-02	6.7E-01	2.2E-10
868	2.9E+01	2.4E-07	6.1E-04	4.2E-09	4.7E-02	6.7E-01	1.3E-10	1.5E+01	7.7E-07	6.1E-04	6.8E-09	4.7E-02	6.7E-01	2.2E-10
869	2.3E+01	2.4E-07	6.1E-04	3.4E-09	4.7E-02	6.7E-01	1.1E-10	1.4E+01	7.7E-07	6.1E-04	6.5E-09	4.7E-02	6.7E-01	2.0E-10
870	2.9E+01	2.4E-07	6.1E-04	4.3E-09	4.7E-02	6.7E-01	1.4E-10	1.2E+01	7.7E-07	6.1E-04	5.7E-09	4.7E-02	6.7E-01	1.8E-10
871	2.4E+01	2.4E-07	6.1E-04	3.5E-09	4.7E-02	6.7E-01	1.1E-10	1.2E+01	7.7E-07	6.1E-04	5.6E-09	4.7E-02	6.7E-01	1.8E-10
872	2.0E+01	2.4E-07	6.1E-04	2.9E-09	4.7E-02	6.7E-01	9.2E-11	1.1E+01	7.7E-07	6.1E-04	5.3E-09	4.7E-02	6.7E-01	1.7E-10

Franklin School Project

Risk From Modernization Const - Unmitigated School

	Haul Route 1A							Haul Route 2A						
Receptor #	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
807	3.6E+00	1.6E-06	6.1E-04	3.5E-09	4.7E-02	6.7E-01	1.1E-10	8.5E-01	1.7E-07	6.1E-04	8.8E-11	4.7E-02	6.7E-01	2.8E-12
808	3.5E+00	1.6E-06	6.1E-04	3.4E-09	4.7E-02	6.7E-01	1.1E-10	8.3E-01	1.7E-07	6.1E-04	8.6E-11	4.7E-02	6.7E-01	2.7E-12
809	3.3E+00	1.6E-06	6.1E-04	3.1E-09	4.7E-02	6.7E-01	9.9E-11	8.2E-01	1.7E-07	6.1E-04	8.4E-11	4.7E-02	6.7E-01	2.7E-12
810	3.2E+00	1.6E-06	6.1E-04	3.1E-09	4.7E-02	6.7E-01	9.6E-11	8.0E-01	1.7E-07	6.1E-04	8.2E-11	4.7E-02	6.7E-01	2.6E-12
811	2.9E+00	1.6E-06	6.1E-04	2.8E-09	4.7E-02	6.7E-01	8.9E-11	7.8E-01	1.7E-07	6.1E-04	8.1E-11	4.7E-02	6.7E-01	2.5E-12
812	2.9E+00	1.6E-06	6.1E-04	2.8E-09	4.7E-02	6.7E-01	8.7E-11	7.7E-01	1.7E-07	6.1E-04	7.9E-11	4.7E-02	6.7E-01	2.5E-12
813	2.7E+00	1.6E-06	6.1E-04	2.6E-09	4.7E-02	6.7E-01	8.1E-11	7.5E-01	1.7E-07	6.1E-04	7.8E-11	4.7E-02	6.7E-01	2.4E-12
814	2.6E+00	1.6E-06	6.1E-04	2.5E-09	4.7E-02	6.7E-01	7.9E-11	7.4E-01	1.7E-07	6.1E-04	7.6E-11	4.7E-02	6.7E-01	2.4E-12
815	2.4E+00	1.6E-06	6.1E-04	2.3E-09	4.7E-02	6.7E-01	7.3E-11	7.2E-01	1.7E-07	6.1E-04	7.5E-11	4.7E-02	6.7E-01	2.4E-12
816	2.4E+00	1.6E-06	6.1E-04	2.3E-09	4.7E-02	6.7E-01	7.3E-11	7.1E-01	1.7E-07	6.1E-04	7.3E-11	4.7E-02	6.7E-01	2.3E-12
817	2.2E+00	1.6E-06	6.1E-04	2.1E-09	4.7E-02	6.7E-01	6.7E-11	7.0E-01	1.7E-07	6.1E-04	7.2E-11	4.7E-02	6.7E-01	2.3E-12
818	2.2E+00	1.6E-06	6.1E-04	2.1E-09	4.7E-02	6.7E-01	6.6E-11	6.8E-01	1.7E-07	6.1E-04	7.1E-11	4.7E-02	6.7E-01	2.2E-12
819	2.0E+00	1.6E-06	6.1E-04	2.0E-09	4.7E-02	6.7E-01	6.2E-11	6.7E-01	1.7E-07	6.1E-04	6.9E-11	4.7E-02	6.7E-01	2.2E-12
820	2.0E+00	1.6E-06	6.1E-04	1.9E-09	4.7E-02	6.7E-01	6.1E-11	6.6E-01	1.7E-07	6.1E-04	6.8E-11	4.7E-02	6.7E-01	2.1E-12
821	5.7E+00	1.6E-06	6.1E-04	5.4E-09	4.7E-02	6.7E-01	1.7E-10	1.0E+00	1.7E-07	6.1E-04	1.1E-10	4.7E-02	6.7E-01	3.3E-12
822	5.6E+00	1.6E-06	6.1E-04	5.3E-09	4.7E-02	6.7E-01	1.7E-10	1.0E+00	1.7E-07	6.1E-04	1.0E-10	4.7E-02	6.7E-01	3.3E-12
823	5.4E+00	1.6E-06	6.1E-04	5.2E-09	4.7E-02	6.7E-01	1.6E-10	9.8E-01	1.7E-07	6.1E-04	1.0E-10	4.7E-02	6.7E-01	3.2E-12
824	4.8E+00	1.6E-06	6.1E-04	4.6E-09	4.7E-02	6.7E-01	1.5E-10	9.8E-01	1.7E-07	6.1E-04	1.0E-10	4.7E-02	6.7E-01	3.2E-12
825	4.8E+00	1.6E-06	6.1E-04	4.6E-09	4.7E-02	6.7E-01	1.4E-10	9.6E-01	1.7E-07	6.1E-04	9.9E-11	4.7E-02	6.7E-01	3.1E-12
826	4.7E+00	1.6E-06	6.1E-04	4.5E-09	4.7E-02	6.7E-01	1.4E-10	9.4E-01	1.7E-07	6.1E-04	9.7E-11	4.7E-02	6.7E-01	3.1E-12
827	4.2E+00	1.6E-06	6.1E-04	4.0E-09	4.7E-02	6.7E-01	1.3E-10	9.4E-01	1.7E-07	6.1E-04	9.7E-11	4.7E-02	6.7E-01	3.0E-12
828	4.2E+00	1.6E-06	6.1E-04	4.0E-09	4.7E-02	6.7E-01	1.3E-10	9.2E-01	1.7E-07	6.1E-04	9.5E-11	4.7E-02	6.7E-01	3.0E-12
829	4.1E+00	1.6E-06	6.1E-04	3.9E-09	4.7E-02	6.7E-01	1.2E-10	9.0E-01	1.7E-07	6.1E-04	9.3E-11	4.7E-02	6.7E-01	2.9E-12
830	3.7E+00	1.6E-06	6.1E-04	3.5E-09	4.7E-02	6.7E-01	1.1E-10	9.0E-01	1.7E-07	6.1E-04	9.2E-11	4.7E-02	6.7E-01	2.9E-12
831	3.7E+00	1.6E-06	6.1E-04	3.5E-09	4.7E-02	6.7E-01	1.1E-10	8.8E-01	1.7E-07	6.1E-04	9.1E-11	4.7E-02	6.7E-01	2.9E-12
832	3.6E+00	1.6E-06	6.1E-04	3.5E-09	4.7E-02	6.7E-01	1.1E-10	8.6E-01	1.7E-07	6.1E-04	8.9E-11	4.7E-02	6.7E-01	2.8E-12
833	3.2E+00	1.6E-06	6.1E-04	3.1E-09	4.7E-02	6.7E-01	9.8E-11	8.6E-01	1.7E-07	6.1E-04	8.8E-11	4.7E-02	6.7E-01	2.8E-12
834	3.3E+00	1.6E-06	6.1E-04	3.1E-09	4.7E-02	6.7E-01	9.9E-11	8.4E-01	1.7E-07	6.1E-04	8.7E-11	4.7E-02	6.7E-01	2.7E-12
835	3.2E+00	1.6E-06	6.1E-04	3.1E-09	4.7E-02	6.7E-01	9.8E-11	8.3E-01	1.7E-07	6.1E-04	8.5E-11	4.7E-02	6.7E-01	2.7E-12
836	3.0E+00	1.6E-06	6.1E-04	2.8E-09	4.7E-02	6.7E-01	9.0E-11	8.3E-01	1.7E-07	6.1E-04	8.6E-11	4.7E-02	6.7E-01	2.7E-12
837	3.0E+00	1.6E-06	6.1E-04	2.9E-09	4.7E-02	6.7E-01	9.0E-11	8.1E-01	1.7E-07	6.1E-04	8.4E-11	4.7E-02	6.7E-01	2.6E-12
838	3.0E+00	1.6E-06	6.1E-04	2.9E-09	4.7E-02	6.7E-01	9.0E-11	8.0E-01	1.7E-07	6.1E-04	8.3E-11	4.7E-02	6.7E-01	2.6E-12
839	2.7E+00	1.6E-06	6.1E-04	2.6E-09	4.7E-02	6.7E-01	8.1E-11	7.9E-01	1.7E-07	6.1E-04	8.2E-11	4.7E-02	6.7E-01	2.6E-12
840	2.7E+00	1.6E-06	6.1E-04	2.6E-09	4.7E-02	6.7E-01	8.1E-11	7.8E-01	1.7E-07	6.1E-04	8.1E-11	4.7E-02	6.7E-01	2.5E-12
841	2.7E+00	1.6E-06	6.1E-04	2.6E-09	4.7E-02	6.7E-01	8.1E-11	7.7E-01	1.7E-07	6.1E-04	7.9E-11	4.7E-02	6.7E-01	2.5E-12
842	2.4E+00	1.6E-06	6.1E-04	2.3E-09	4.7E-02	6.7E-01	7.3E-11	7.6E-01	1.7E-07	6.1E-04	7.9E-11	4.7E-02	6.7E-01	2.5E-12
843	2.4E+00	1.6E-06	6.1E-04	2.3E-09	4.7E-02	6.7E-01	7.4E-11	7.5E-01	1.7E-07	6.1E-04	7.7E-11	4.7E-02	6.7E-01	2.4E-12
844	2.4E+00	1.6E-06	6.1E-04	2.3E-09	4.7E-02	6.7E-01	7.4E-11	7.4E-01	1.7E-07	6.1E-04	7.6E-11	4.7E-02	6.7E-01	2.4E-12
845	2.2E+00	1.6E-06	6.1E-04	2.1E-09	4.7E-02	6.7E-01	6.7E-11	7.3E-01	1.7E-07	6.1E-04	7.6E-11	4.7E-02	6.7E-01	2.4E-12
846	2.2E+00	1.6E-06	6.1E-04	2.1E-09	4.7E-02	6.7E-01	6.7E-11	7.2E-01	1.7E-07	6.1E-04	7.4E-11	4.7E-02	6.7E-01	2.3E-12
847	2.2E+00	1.6E-06	6.1E-04	2.1E-09	4.7E-02	6.7E-01	6.7E-11	7.1E-01	1.7E-07	6.1E-04	7.3E-11	4.7E-02	6.7E-01	2.3E-12
848	2.0E+00	1.6E-06	6.1E-04	1.9E-09	4.7E-02	6.7E-01	6.1E-11	7.0E-01	1.7E-07	6.1E-04	7.3E-11	4.7E-02	6.7E-01	2.3E-12
849	2.0E+00	1.6E-06	6.1E-04	1.9E-09	4.7E-02	6.7E-01	6.1E-11	6.9E-01	1.7E-07	6.1E-04	7.2E-11	4.7E-02	6.7E-01	2.3E-12

Franklin School Project

Risk From Modernization Const - Unmitigated School

	Haul Route 1A							Haul Route 2A						
Receptor #	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
850	2.0E+00	1.6E-06	6.1E-04	2.0E-09	4.7E-02	6.7E-01	6.2E-11	6.8E-01	1.7E-07	6.1E-04	7.0E-11	4.7E-02	6.7E-01	2.2E-12
851	1.9E+00	1.6E-06	6.1E-04	1.9E-09	4.7E-02	6.7E-01	5.9E-11	6.9E-01	1.7E-07	6.1E-04	7.1E-11	4.7E-02	6.7E-01	2.2E-12
852	2.0E+00	1.6E-06	6.1E-04	1.9E-09	4.7E-02	6.7E-01	5.9E-11	6.8E-01	1.7E-07	6.1E-04	7.0E-11	4.7E-02	6.7E-01	2.2E-12
853	2.0E+00	1.6E-06	6.1E-04	1.9E-09	4.7E-02	6.7E-01	6.0E-11	6.7E-01	1.7E-07	6.1E-04	6.9E-11	4.7E-02	6.7E-01	2.2E-12
854	2.0E+00	1.6E-06	6.1E-04	1.9E-09	4.7E-02	6.7E-01	5.9E-11	6.6E-01	1.7E-07	6.1E-04	6.8E-11	4.7E-02	6.7E-01	2.1E-12
855	2.0E+00	1.6E-06	6.1E-04	1.9E-09	4.7E-02	6.7E-01	5.9E-11	6.5E-01	1.7E-07	6.1E-04	6.7E-11	4.7E-02	6.7E-01	2.1E-12
856	1.8E+00	1.6E-06	6.1E-04	1.7E-09	4.7E-02	6.7E-01	5.4E-11	6.6E-01	1.7E-07	6.1E-04	6.9E-11	4.7E-02	6.7E-01	2.2E-12
857	1.8E+00	1.6E-06	6.1E-04	1.7E-09	4.7E-02	6.7E-01	5.5E-11	6.5E-01	1.7E-07	6.1E-04	6.8E-11	4.7E-02	6.7E-01	2.1E-12
858	1.8E+00	1.6E-06	6.1E-04	1.7E-09	4.7E-02	6.7E-01	5.5E-11	6.5E-01	1.7E-07	6.1E-04	6.7E-11	4.7E-02	6.7E-01	2.1E-12
859	1.8E+00	1.6E-06	6.1E-04	1.7E-09	4.7E-02	6.7E-01	5.5E-11	6.4E-01	1.7E-07	6.1E-04	6.6E-11	4.7E-02	6.7E-01	2.1E-12
860	1.8E+00	1.6E-06	6.1E-04	1.7E-09	4.7E-02	6.7E-01	5.5E-11	6.2E-01	1.7E-07	6.1E-04	6.4E-11	4.7E-02	6.7E-01	2.0E-12
861	1.7E+00	1.6E-06	6.1E-04	1.6E-09	4.7E-02	6.7E-01	5.0E-11	6.4E-01	1.7E-07	6.1E-04	6.6E-11	4.7E-02	6.7E-01	2.1E-12
862	1.7E+00	1.6E-06	6.1E-04	1.6E-09	4.7E-02	6.7E-01	5.1E-11	6.3E-01	1.7E-07	6.1E-04	6.5E-11	4.7E-02	6.7E-01	2.1E-12
863	1.7E+00	1.6E-06	6.1E-04	1.6E-09	4.7E-02	6.7E-01	5.1E-11	6.2E-01	1.7E-07	6.1E-04	6.4E-11	4.7E-02	6.7E-01	2.0E-12
864	1.7E+00	1.6E-06	6.1E-04	1.6E-09	4.7E-02	6.7E-01	5.1E-11	6.1E-01	1.7E-07	6.1E-04	6.3E-11	4.7E-02	6.7E-01	2.0E-12
865	1.7E+00	1.6E-06	6.1E-04	1.6E-09	4.7E-02	6.7E-01	5.1E-11	6.0E-01	1.7E-07	6.1E-04	6.2E-11	4.7E-02	6.7E-01	2.0E-12
866	5.5E+00	1.6E-06	6.1E-04	5.3E-09	4.7E-02	6.7E-01	1.7E-10	9.9E-01	1.7E-07	6.1E-04	1.0E-10	4.7E-02	6.7E-01	3.2E-12
867	4.8E+00	1.6E-06	6.1E-04	4.6E-09	4.7E-02	6.7E-01	1.4E-10	9.4E-01	1.7E-07	6.1E-04	9.7E-11	4.7E-02	6.7E-01	3.1E-12
868	4.6E+00	1.6E-06	6.1E-04	4.4E-09	4.7E-02	6.7E-01	1.4E-10	9.2E-01	1.7E-07	6.1E-04	9.5E-11	4.7E-02	6.7E-01	3.0E-12
869	4.4E+00	1.6E-06	6.1E-04	4.2E-09	4.7E-02	6.7E-01	1.3E-10	9.0E-01	1.7E-07	6.1E-04	9.3E-11	4.7E-02	6.7E-01	2.9E-12
870	4.2E+00	1.6E-06	6.1E-04	4.0E-09	4.7E-02	6.7E-01	1.3E-10	9.0E-01	1.7E-07	6.1E-04	9.3E-11	4.7E-02	6.7E-01	2.9E-12
871	4.1E+00	1.6E-06	6.1E-04	3.9E-09	4.7E-02	6.7E-01	1.2E-10	8.8E-01	1.7E-07	6.1E-04	9.1E-11	4.7E-02	6.7E-01	2.9E-12
872	3.9E+00	1.6E-06	6.1E-04	3.8E-09	4.7E-02	6.7E-01	1.2E-10	8.6E-01	1.7E-07	6.1E-04	8.9E-11	4.7E-02	6.7E-01	2.8E-12

Risk From Modernization AC - Unmitigated School

Franklin School Project

Risk From Modernization AC - Unmitigated School

0.70	Max

						Onsite			
Receptor #	**Total/ Million**	**Total**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
807	0.58	5.8E-07	7.5E+01	9.9E-04	6.1E-04	4.5E-05	4.7E-02	2.7E-01	5.8E-07
808	0.43	4.3E-07	5.5E+01	9.9E-04	6.1E-04	3.3E-05	4.7E-02	2.7E-01	4.3E-07
809	0.60	6.0E-07	7.8E+01	9.9E-04	6.1E-04	4.7E-05	4.7E-02	2.7E-01	6.0E-07
810	0.45	4.5E-07	5.8E+01	9.9E-04	6.1E-04	3.5E-05	4.7E-02	2.7E-01	4.5E-07
811	0.62	6.2E-07	8.0E+01	9.9E-04	6.1E-04	4.8E-05	4.7E-02	2.7E-01	6.2E-07
812	0.46	4.6E-07	6.0E+01	9.9E-04	6.1E-04	3.6E-05	4.7E-02	2.7E-01	4.6E-07
813	0.64	6.4E-07	8.2E+01	9.9E-04	6.1E-04	4.9E-05	4.7E-02	2.7E-01	6.4E-07
814	0.48	4.8E-07	6.2E+01	9.9E-04	6.1E-04	3.7E-05	4.7E-02	2.7E-01	4.8E-07
815	0.66	6.6E-07	8.5E+01	9.9E-04	6.1E-04	5.1E-05	4.7E-02	2.7E-01	6.6E-07
816	0.50	5.0E-07	6.5E+01	9.9E-04	6.1E-04	3.9E-05	4.7E-02	2.7E-01	5.0E-07
817	0.69	6.9E-07	9.0E+01	9.9E-04	6.1E-04	5.4E-05	4.7E-02	2.7E-01	6.9E-07
818	0.54	5.4E-07	7.0E+01	9.9E-04	6.1E-04	4.2E-05	4.7E-02	2.7E-01	5.4E-07
819	0.70	7.0E-07	9.1E+01	9.9E-04	6.1E-04	5.4E-05	4.7E-02	2.7E-01	7.0E-07
820	0.52	5.2E-07	6.7E+01	9.9E-04	6.1E-04	4.0E-05	4.7E-02	2.7E-01	5.2E-07
821	0.26	2.6E-07	3.3E+01	9.9E-04	6.1E-04	2.0E-05	4.7E-02	2.7E-01	2.6E-07
822	0.23	2.3E-07	3.0E+01	9.9E-04	6.1E-04	1.8E-05	4.7E-02	2.7E-01	2.3E-07
823	0.32	3.2E-07	4.2E+01	9.9E-04	6.1E-04	2.5E-05	4.7E-02	2.7E-01	3.2E-07
824	0.30	3.0E-07	3.8E+01	9.9E-04	6.1E-04	2.3E-05	4.7E-02	2.7E-01	3.0E-07
825	0.21	2.1E-07	2.7E+01	9.9E-04	6.1E-04	1.6E-05	4.7E-02	2.7E-01	2.1E-07
826	0.37	3.7E-07	4.9E+01	9.9E-04	6.1E-04	2.9E-05	4.7E-02	2.7E-01	3.7E-07
827	0.45	4.5E-07	5.9E+01	9.9E-04	6.1E-04	3.5E-05	4.7E-02	2.7E-01	4.5E-07
828	0.41	4.1E-07	5.3E+01	9.9E-04	6.1E-04	3.2E-05	4.7E-02	2.7E-01	4.1E-07
829	0.55	5.5E-07	7.1E+01	9.9E-04	6.1E-04	4.2E-05	4.7E-02	2.7E-01	5.5E-07
830	0.48	4.8E-07	6.2E+01	9.9E-04	6.1E-04	3.7E-05	4.7E-02	2.7E-01	4.8E-07
831	0.42	4.2E-07	5.5E+01	9.9E-04	6.1E-04	3.3E-05	4.7E-02	2.7E-01	4.2E-07
832	0.57	5.7E-07	7.4E+01	9.9E-04	6.1E-04	4.4E-05	4.7E-02	2.7E-01	5.7E-07
833	0.49	4.9E-07	6.4E+01	9.9E-04	6.1E-04	3.8E-05	4.7E-02	2.7E-01	4.9E-07
834	0.43	4.3E-07	5.6E+01	9.9E-04	6.1E-04	3.4E-05	4.7E-02	2.7E-01	4.3E-07
835	0.58	5.8E-07	7.5E+01	9.9E-04	6.1E-04	4.5E-05	4.7E-02	2.7E-01	5.8E-07
836	0.51	5.1E-07	6.5E+01	9.9E-04	6.1E-04	3.9E-05	4.7E-02	2.7E-01	5.1E-07
837	0.45	4.5E-07	5.8E+01	9.9E-04	6.1E-04	3.5E-05	4.7E-02	2.7E-01	4.5E-07
838	0.60	6.0E-07	7.7E+01	9.9E-04	6.1E-04	4.6E-05	4.7E-02	2.7E-01	6.0E-07
839	0.52	5.2E-07	6.8E+01	9.9E-04	6.1E-04	4.0E-05	4.7E-02	2.7E-01	5.2E-07
840	0.48	4.8E-07	6.2E+01	9.9E-04	6.1E-04	3.7E-05	4.7E-02	2.7E-01	4.8E-07
841	0.62	6.2E-07	8.0E+01	9.9E-04	6.1E-04	4.8E-05	4.7E-02	2.7E-01	6.2E-07
842	0.52	5.2E-07	6.7E+01	9.9E-04	6.1E-04	4.0E-05	4.7E-02	2.7E-01	5.2E-07
843	0.49	4.9E-07	6.3E+01	9.9E-04	6.1E-04	3.8E-05	4.7E-02	2.7E-01	4.9E-07
844	0.64	6.4E-07	8.2E+01	9.9E-04	6.1E-04	4.9E-05	4.7E-02	2.7E-01	6.4E-07
845	0.50	5.0E-07	6.5E+01	9.9E-04	6.1E-04	3.9E-05	4.7E-02	2.7E-01	5.0E-07

846	0.47	4.7E-07	6.1E+01	9.9E-04	6.1E-04	3.7E-05	4.7E-02	2.7E-01	4.7E-07
847	0.64	6.4E-07	8.3E+01	9.9E-04	6.1E-04	5.0E-05	4.7E-02	2.7E-01	6.4E-07
848	0.48	4.8E-07	6.3E+01	9.9E-04	6.1E-04	3.8E-05	4.7E-02	2.7E-01	4.8E-07
849	0.47	4.7E-07	6.0E+01	9.9E-04	6.1E-04	3.6E-05	4.7E-02	2.7E-01	4.7E-07
850	0.59	5.9E-07	7.6E+01	9.9E-04	6.1E-04	4.5E-05	4.7E-02	2.7E-01	5.9E-07
851	0.47	4.7E-07	6.0E+01	9.9E-04	6.1E-04	3.6E-05	4.7E-02	2.7E-01	4.7E-07
852	0.51	5.1E-07	6.7E+01	9.9E-04	6.1E-04	4.0E-05	4.7E-02	2.7E-01	5.1E-07
853	0.59	5.9E-07	7.6E+01	9.9E-04	6.1E-04	4.6E-05	4.7E-02	2.7E-01	5.9E-07
854	0.57	5.7E-07	7.4E+01	9.9E-04	6.1E-04	4.4E-05	4.7E-02	2.7E-01	5.7E-07
855	0.50	5.0E-07	6.5E+01	9.9E-04	6.1E-04	3.9E-05	4.7E-02	2.7E-01	5.0E-07
856	0.38	3.8E-07	5.0E+01	9.9E-04	6.1E-04	3.0E-05	4.7E-02	2.7E-01	3.8E-07
857	0.35	3.5E-07	4.5E+01	9.9E-04	6.1E-04	2.7E-05	4.7E-02	2.7E-01	3.5E-07
858	0.37	3.7E-07	4.8E+01	9.9E-04	6.1E-04	2.9E-05	4.7E-02	2.7E-01	3.7E-07
859	0.36	3.6E-07	4.7E+01	9.9E-04	6.1E-04	2.8E-05	4.7E-02	2.7E-01	3.6E-07
860	0.39	3.9E-07	5.1E+01	9.9E-04	6.1E-04	3.1E-05	4.7E-02	2.7E-01	3.9E-07
861	0.34	3.4E-07	4.4E+01	9.9E-04	6.1E-04	2.6E-05	4.7E-02	2.7E-01	3.4E-07
862	0.45	4.5E-07	5.8E+01	9.9E-04	6.1E-04	3.5E-05	4.7E-02	2.7E-01	4.5E-07
863	0.40	4.0E-07	5.1E+01	9.9E-04	6.1E-04	3.1E-05	4.7E-02	2.7E-01	4.0E-07
864	0.43	4.3E-07	5.5E+01	9.9E-04	6.1E-04	3.3E-05	4.7E-02	2.7E-01	4.3E-07
865	0.39	3.9E-07	5.1E+01	9.9E-04	6.1E-04	3.0E-05	4.7E-02	2.7E-01	3.9E-07
866	0.29	2.9E-07	3.8E+01	9.9E-04	6.1E-04	2.2E-05	4.7E-02	2.7E-01	2.9E-07
867	0.52	5.2E-07	6.7E+01	9.9E-04	6.1E-04	4.0E-05	4.7E-02	2.7E-01	5.2E-07
868	0.47	4.7E-07	6.1E+01	9.9E-04	6.1E-04	3.7E-05	4.7E-02	2.7E-01	4.7E-07
869	0.35	3.5E-07	4.5E+01	9.9E-04	6.1E-04	2.7E-05	4.7E-02	2.7E-01	3.5E-07
870	0.50	5.0E-07	6.5E+01	9.9E-04	6.1E-04	3.9E-05	4.7E-02	2.7E-01	5.0E-07
871	0.53	5.3E-07	6.8E+01	9.9E-04	6.1E-04	4.1E-05	4.7E-02	2.7E-01	5.3E-07
872	0.39	3.9E-07	5.0E+01	9.9E-04	6.1E-04	3.0E-05	4.7E-02	2.7E-01	3.9E-07

Risk From Portable Set-up - Unmitigated School

Franklin School Project

Risk From Portable Set-up - Unmitigated School

0.00	Max

Receptor #	Total/ Million	Total	Conc	g/sec	D1	Dose	R1	ED	Risk
						Onsite			
807	0.00	2.0E-11		0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
808	0.00	1.9E-11		0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
809	0.00	1.7E-11		0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
810	0.00	1.7E-11		0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
811	0.00	1.5E-11		0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
812	0.00	1.4E-11		0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
813	0.00	1.3E-11		0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
814	0.00	1.2E-11		0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
815	0.00	1.1E-11		0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
816	0.00	1.1E-11		0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
817	0.00	9.7E-12		0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
818	0.00	9.7E-12		0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
819	0.00	8.7E-12		0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
820	0.00	8.6E-12		0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
821	0.00	3.6E-11		0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
822	0.00	3.9E-11		0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
823	0.00	3.7E-11		0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
824	0.00	2.8E-11		0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
825	0.00	3.0E-11		0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
826	0.00	2.9E-11		0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
827	0.00	2.5E-11		0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
828	0.00	2.4E-11		0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
829	0.00	2.4E-11		0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
830	0.00	1.9E-11		0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
831	0.00	1.9E-11		0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
832	0.00	2.0E-11		0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
833	0.00	1.6E-11		0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
834	0.00	1.6E-11		0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
835	0.00	1.7E-11		0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
836	0.00	1.4E-11		0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
837	0.00	1.4E-11		0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
838	0.00	1.5E-11		0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
839	0.00	1.2E-11		0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
840	0.00	1.2E-11		0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
841	0.00	1.3E-11		0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
842	0.00	1.1E-11		0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
843	0.00	1.1E-11		0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
844	0.00	1.1E-11		0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
845	0.00	9.3E-12		0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00

846	0.00	9.5E-12	0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
847	0.00	9.7E-12	0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
848	0.00	8.3E-12	0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
849	0.00	8.5E-12	0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
850	0.00	8.6E-12	0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
851	0.00	8.0E-12	0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
852	0.00	8.1E-12	0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
853	0.00	8.2E-12	0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
854	0.00	8.3E-12	0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
855	0.00	8.3E-12	0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
856	0.00	7.1E-12	0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
857	0.00	7.3E-12	0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
858	0.00	7.4E-12	0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
859	0.00	7.4E-12	0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
860	0.00	7.4E-12	0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
861	0.00	6.4E-12	0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
862	0.00	6.6E-12	0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
863	0.00	6.7E-12	0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
864	0.00	6.7E-12	0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
865	0.00	6.7E-12	0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
866	0.00	3.8E-11	0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
867	0.00	3.0E-11	0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
868	0.00	2.9E-11	0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
869	0.00	2.8E-11	0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
870	0.00	2.5E-11	0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
871	0.00	2.4E-11	0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
872	0.00	2.3E-11	0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00

Franklin School Project

Risk From Portable Set-up - Unmitigated School

Haul Route 1A							Haul Route 2A						
Conc	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
2.0E+01	1.9E-07	6.1E-04	2.3E-09	4.7E-02	3.8E-02	4.1E-12	9.9E+00	6.0E-07	6.1E-04	3.6E-09	4.7E-02	3.8E-02	6.5E-12
1.7E+01	1.9E-07	6.1E-04	1.9E-09	4.7E-02	3.8E-02	3.5E-12	9.6E+00	6.0E-07	6.1E-04	3.5E-09	4.7E-02	3.8E-02	6.3E-12
1.6E+01	1.9E-07	6.1E-04	1.9E-09	4.7E-02	3.8E-02	3.4E-12	8.4E+00	6.0E-07	6.1E-04	3.0E-09	4.7E-02	3.8E-02	5.5E-12
1.4E+01	1.9E-07	6.1E-04	1.6E-09	4.7E-02	3.8E-02	3.0E-12	8.2E+00	6.0E-07	6.1E-04	3.0E-09	4.7E-02	3.8E-02	5.4E-12
1.3E+01	1.9E-07	6.1E-04	1.5E-09	4.7E-02	3.8E-02	2.8E-12	7.2E+00	6.0E-07	6.1E-04	2.6E-09	4.7E-02	3.8E-02	4.7E-12
1.2E+01	1.9E-07	6.1E-04	1.4E-09	4.7E-02	3.8E-02	2.5E-12	7.1E+00	6.0E-07	6.1E-04	2.6E-09	4.7E-02	3.8E-02	4.6E-12
1.1E+01	1.9E-07	6.1E-04	1.3E-09	4.7E-02	3.8E-02	2.3E-12	6.2E+00	6.0E-07	6.1E-04	2.3E-09	4.7E-02	3.8E-02	4.1E-12
1.0E+01	1.9E-07	6.1E-04	1.2E-09	4.7E-02	3.8E-02	2.1E-12	6.2E+00	6.0E-07	6.1E-04	2.2E-09	4.7E-02	3.8E-02	4.0E-12
9.5E+00	1.9E-07	6.1E-04	1.1E-09	4.7E-02	3.8E-02	2.0E-12	5.4E+00	6.0E-07	6.1E-04	2.0E-09	4.7E-02	3.8E-02	3.6E-12
8.8E+00	1.9E-07	6.1E-04	1.0E-09	4.7E-02	3.8E-02	1.8E-12	5.4E+00	6.0E-07	6.1E-04	2.0E-09	4.7E-02	3.8E-02	3.6E-12
8.2E+00	1.9E-07	6.1E-04	9.4E-10	4.7E-02	3.8E-02	1.7E-12	4.8E+00	6.0E-07	6.1E-04	1.7E-09	4.7E-02	3.8E-02	3.2E-12
7.7E+00	1.9E-07	6.1E-04	8.8E-10	4.7E-02	3.8E-02	1.6E-12	4.8E+00	6.0E-07	6.1E-04	1.7E-09	4.7E-02	3.8E-02	3.1E-12
7.1E+00	1.9E-07	6.1E-04	8.1E-10	4.7E-02	3.8E-02	1.5E-12	4.3E+00	6.0E-07	6.1E-04	1.6E-09	4.7E-02	3.8E-02	2.8E-12
6.7E+00	1.9E-07	6.1E-04	7.7E-10	4.7E-02	3.8E-02	1.4E-12	4.3E+00	6.0E-07	6.1E-04	1.5E-09	4.7E-02	3.8E-02	2.8E-12
3.2E+01	1.9E-07	6.1E-04	3.7E-09	4.7E-02	3.8E-02	6.7E-12	1.8E+01	6.0E-07	6.1E-04	6.5E-09	4.7E-02	3.8E-02	1.2E-11
6.9E+01	1.9E-07	6.1E-04	8.0E-09	4.7E-02	3.8E-02	1.4E-11	1.8E+01	6.0E-07	6.1E-04	6.7E-09	4.7E-02	3.8E-02	1.2E-11
4.7E+01	1.9E-07	6.1E-04	5.4E-09	4.7E-02	3.8E-02	9.7E-12	1.8E+01	6.0E-07	6.1E-04	6.6E-09	4.7E-02	3.8E-02	1.2E-11
2.2E+01	1.9E-07	6.1E-04	2.5E-09	4.7E-02	3.8E-02	4.5E-12	1.4E+01	6.0E-07	6.1E-04	5.1E-09	4.7E-02	3.8E-02	9.3E-12
5.0E+01	1.9E-07	6.1E-04	5.8E-09	4.7E-02	3.8E-02	1.0E-11	1.4E+01	6.0E-07	6.1E-04	5.3E-09	4.7E-02	3.8E-02	9.5E-12
3.7E+01	1.9E-07	6.1E-04	4.3E-09	4.7E-02	3.8E-02	7.7E-12	1.4E+01	6.0E-07	6.1E-04	5.3E-09	4.7E-02	3.8E-02	9.5E-12
4.4E+01	1.9E-07	6.1E-04	5.1E-09	4.7E-02	3.8E-02	9.3E-12	1.1E+01	6.0E-07	6.1E-04	4.1E-09	4.7E-02	3.8E-02	7.5E-12
3.6E+01	1.9E-07	6.1E-04	4.1E-09	4.7E-02	3.8E-02	7.4E-12	1.2E+01	6.0E-07	6.1E-04	4.3E-09	4.7E-02	3.8E-02	7.7E-12
2.9E+01	1.9E-07	6.1E-04	3.3E-09	4.7E-02	3.8E-02	6.0E-12	1.2E+01	6.0E-07	6.1E-04	4.3E-09	4.7E-02	3.8E-02	7.7E-12
3.0E+01	1.9E-07	6.1E-04	3.5E-09	4.7E-02	3.8E-02	6.2E-12	9.4E+00	6.0E-07	6.1E-04	3.4E-09	4.7E-02	3.8E-02	6.2E-12
2.6E+01	1.9E-07	6.1E-04	3.0E-09	4.7E-02	3.8E-02	5.4E-12	9.7E+00	6.0E-07	6.1E-04	3.5E-09	4.7E-02	3.8E-02	6.3E-12
2.2E+01	1.9E-07	6.1E-04	2.6E-09	4.7E-02	3.8E-02	4.6E-12	9.7E+00	6.0E-07	6.1E-04	3.5E-09	4.7E-02	3.8E-02	6.4E-12
2.2E+01	1.9E-07	6.1E-04	2.5E-09	4.7E-02	3.8E-02	4.5E-12	7.9E+00	6.0E-07	6.1E-04	2.9E-09	4.7E-02	3.8E-02	5.2E-12
2.0E+01	1.9E-07	6.1E-04	2.3E-09	4.7E-02	3.8E-02	4.1E-12	8.1E+00	6.0E-07	6.1E-04	2.9E-09	4.7E-02	3.8E-02	5.3E-12
1.8E+01	1.9E-07	6.1E-04	2.0E-09	4.7E-02	3.8E-02	3.7E-12	8.2E+00	6.0E-07	6.1E-04	3.0E-09	4.7E-02	3.8E-02	5.4E-12
1.7E+01	1.9E-07	6.1E-04	2.0E-09	4.7E-02	3.8E-02	3.6E-12	7.0E+00	6.0E-07	6.1E-04	2.5E-09	4.7E-02	3.8E-02	4.6E-12
1.6E+01	1.9E-07	6.1E-04	1.9E-09	4.7E-02	3.8E-02	3.4E-12	7.1E+00	6.0E-07	6.1E-04	2.6E-09	4.7E-02	3.8E-02	4.7E-12
1.5E+01	1.9E-07	6.1E-04	1.7E-09	4.7E-02	3.8E-02	3.1E-12	7.2E+00	6.0E-07	6.1E-04	2.6E-09	4.7E-02	3.8E-02	4.7E-12
1.4E+01	1.9E-07	6.1E-04	1.6E-09	4.7E-02	3.8E-02	2.8E-12	6.0E+00	6.0E-07	6.1E-04	2.2E-09	4.7E-02	3.8E-02	3.9E-12
1.3E+01	1.9E-07	6.1E-04	1.5E-09	4.7E-02	3.8E-02	2.7E-12	6.1E+00	6.0E-07	6.1E-04	2.2E-09	4.7E-02	3.8E-02	4.0E-12
1.2E+01	1.9E-07	6.1E-04	1.4E-09	4.7E-02	3.8E-02	2.5E-12	6.2E+00	6.0E-07	6.1E-04	2.3E-09	4.7E-02	3.8E-02	4.1E-12
1.1E+01	1.9E-07	6.1E-04	1.3E-09	4.7E-02	3.8E-02	2.3E-12	5.2E+00	6.0E-07	6.1E-04	1.9E-09	4.7E-02	3.8E-02	3.4E-12
1.1E+01	1.9E-07	6.1E-04	1.2E-09	4.7E-02	3.8E-02	2.2E-12	5.4E+00	6.0E-07	6.1E-04	1.9E-09	4.7E-02	3.8E-02	3.5E-12
1.0E+01	1.9E-07	6.1E-04	1.2E-09	4.7E-02	3.8E-02	2.1E-12	5.4E+00	6.0E-07	6.1E-04	2.0E-09	4.7E-02	3.8E-02	3.6E-12
9.1E+00	1.9E-07	6.1E-04	1.0E-09	4.7E-02	3.8E-02	1.9E-12	4.6E+00	6.0E-07	6.1E-04	1.7E-09	4.7E-02	3.8E-02	3.0E-12

8.9E+00	1.9E-07	6.1E-04	1.0E-09	4.7E-02	3.8E-02	1.9E-12	4.7E+00	6.0E-07	6.1E-04	1.7E-09	4.7E-02	3.8E-02	3.1E-12
8.6E+00	1.9E-07	6.1E-04	9.9E-10	4.7E-02	3.8E-02	1.8E-12	4.8E+00	6.0E-07	6.1E-04	1.7E-09	4.7E-02	3.8E-02	3.1E-12
7.7E+00	1.9E-07	6.1E-04	8.8E-10	4.7E-02	3.8E-02	1.6E-12	4.1E+00	6.0E-07	6.1E-04	1.5E-09	4.7E-02	3.8E-02	2.7E-12
7.6E+00	1.9E-07	6.1E-04	8.7E-10	4.7E-02	3.8E-02	1.6E-12	4.2E+00	6.0E-07	6.1E-04	1.5E-09	4.7E-02	3.8E-02	2.7E-12
7.4E+00	1.9E-07	6.1E-04	8.5E-10	4.7E-02	3.8E-02	1.5E-12	4.2E+00	6.0E-07	6.1E-04	1.5E-09	4.7E-02	3.8E-02	2.8E-12
7.2E+00	1.9E-07	6.1E-04	8.3E-10	4.7E-02	3.8E-02	1.5E-12	3.9E+00	6.0E-07	6.1E-04	1.4E-09	4.7E-02	3.8E-02	2.6E-12
7.1E+00	1.9E-07	6.1E-04	8.1E-10	4.7E-02	3.8E-02	1.5E-12	4.0E+00	6.0E-07	6.1E-04	1.5E-09	4.7E-02	3.8E-02	2.6E-12
6.9E+00	1.9E-07	6.1E-04	7.9E-10	4.7E-02	3.8E-02	1.4E-12	4.1E+00	6.0E-07	6.1E-04	1.5E-09	4.7E-02	3.8E-02	2.7E-12
6.6E+00	1.9E-07	6.1E-04	7.6E-10	4.7E-02	3.8E-02	1.4E-12	4.1E+00	6.0E-07	6.1E-04	1.5E-09	4.7E-02	3.8E-02	2.7E-12
6.3E+00	1.9E-07	6.1E-04	7.3E-10	4.7E-02	3.8E-02	1.3E-12	4.1E+00	6.0E-07	6.1E-04	1.5E-09	4.7E-02	3.8E-02	2.7E-12
6.2E+00	1.9E-07	6.1E-04	7.1E-10	4.7E-02	3.8E-02	1.3E-12	3.5E+00	6.0E-07	6.1E-04	1.3E-09	4.7E-02	3.8E-02	2.3E-12
6.1E+00	1.9E-07	6.1E-04	7.0E-10	4.7E-02	3.8E-02	1.3E-12	3.6E+00	6.0E-07	6.1E-04	1.3E-09	4.7E-02	3.8E-02	2.4E-12
6.0E+00	1.9E-07	6.1E-04	6.9E-10	4.7E-02	3.8E-02	1.2E-12	3.6E+00	6.0E-07	6.1E-04	1.3E-09	4.7E-02	3.8E-02	2.4E-12
5.8E+00	1.9E-07	6.1E-04	6.7E-10	4.7E-02	3.8E-02	1.2E-12	3.7E+00	6.0E-07	6.1E-04	1.3E-09	4.7E-02	3.8E-02	2.4E-12
5.6E+00	1.9E-07	6.1E-04	6.4E-10	4.7E-02	3.8E-02	1.2E-12	3.7E+00	6.0E-07	6.1E-04	1.3E-09	4.7E-02	3.8E-02	2.4E-12
5.4E+00	1.9E-07	6.1E-04	6.2E-10	4.7E-02	3.8E-02	1.1E-12	3.2E+00	6.0E-07	6.1E-04	1.1E-09	4.7E-02	3.8E-02	2.1E-12
5.3E+00	1.9E-07	6.1E-04	6.2E-10	4.7E-02	3.8E-02	1.1E-12	3.2E+00	6.0E-07	6.1E-04	1.2E-09	4.7E-02	3.8E-02	2.1E-12
5.3E+00	1.9E-07	6.1E-04	6.1E-10	4.7E-02	3.8E-02	1.1E-12	3.3E+00	6.0E-07	6.1E-04	1.2E-09	4.7E-02	3.8E-02	2.1E-12
5.1E+00	1.9E-07	6.1E-04	5.9E-10	4.7E-02	3.8E-02	1.1E-12	3.3E+00	6.0E-07	6.1E-04	1.2E-09	4.7E-02	3.8E-02	2.2E-12
5.0E+00	1.9E-07	6.1E-04	5.7E-10	4.7E-02	3.8E-02	1.0E-12	3.3E+00	6.0E-07	6.1E-04	1.2E-09	4.7E-02	3.8E-02	2.2E-12
4.6E+01	1.9E-07	6.1E-04	5.2E-09	4.7E-02	3.8E-02	9.5E-12	1.9E+01	6.0E-07	6.1E-04	6.9E-09	4.7E-02	3.8E-02	1.3E-11
3.7E+01	1.9E-07	6.1E-04	4.2E-09	4.7E-02	3.8E-02	7.7E-12	1.5E+01	6.0E-07	6.1E-04	5.5E-09	4.7E-02	3.8E-02	9.9E-12
2.9E+01	1.9E-07	6.1E-04	3.3E-09	4.7E-02	3.8E-02	6.0E-12	1.5E+01	6.0E-07	6.1E-04	5.3E-09	4.7E-02	3.8E-02	9.6E-12
2.3E+01	1.9E-07	6.1E-04	2.7E-09	4.7E-02	3.8E-02	4.8E-12	1.4E+01	6.0E-07	6.1E-04	5.0E-09	4.7E-02	3.8E-02	9.1E-12
2.9E+01	1.9E-07	6.1E-04	3.3E-09	4.7E-02	3.8E-02	6.0E-12	1.2E+01	6.0E-07	6.1E-04	4.4E-09	4.7E-02	3.8E-02	8.0E-12
2.4E+01	1.9E-07	6.1E-04	2.7E-09	4.7E-02	3.8E-02	4.9E-12	1.2E+01	6.0E-07	6.1E-04	4.3E-09	4.7E-02	3.8E-02	7.8E-12
2.0E+01	1.9E-07	6.1E-04	2.3E-09	4.7E-02	3.8E-02	4.1E-12	1.1E+01	6.0E-07	6.1E-04	4.2E-09	4.7E-02	3.8E-02	7.5E-12

Franklin School Project

Risk From Portable Set-up - Unmitigated School

Haul Route 1A							Haul Route 2A						
Conc	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
9.9E+00	1.2E-06	6.1E-04	7.4E-09	4.7E-02	3.8E-02	1.3E-11	8.5E-01	1.3E-07	6.1E-04	6.8E-11	4.7E-02	3.8E-02	1.2E-13
9.6E+00	1.2E-06	6.1E-04	7.2E-09	4.7E-02	3.8E-02	1.3E-11	8.3E-01	1.3E-07	6.1E-04	6.7E-11	4.7E-02	3.8E-02	1.2E-13
8.4E+00	1.2E-06	6.1E-04	6.3E-09	4.7E-02	3.8E-02	1.1E-11	8.2E-01	1.3E-07	6.1E-04	6.5E-11	4.7E-02	3.8E-02	1.2E-13
8.2E+00	1.2E-06	6.1E-04	6.1E-09	4.7E-02	3.8E-02	1.1E-11	8.0E-01	1.3E-07	6.1E-04	6.4E-11	4.7E-02	3.8E-02	1.2E-13
7.2E+00	1.2E-06	6.1E-04	5.4E-09	4.7E-02	3.8E-02	9.7E-12	7.8E-01	1.3E-07	6.1E-04	6.3E-11	4.7E-02	3.8E-02	1.1E-13
7.1E+00	1.2E-06	6.1E-04	5.3E-09	4.7E-02	3.8E-02	9.5E-12	7.7E-01	1.3E-07	6.1E-04	6.1E-11	4.7E-02	3.8E-02	1.1E-13
6.2E+00	1.2E-06	6.1E-04	4.6E-09	4.7E-02	3.8E-02	8.4E-12	7.5E-01	1.3E-07	6.1E-04	6.0E-11	4.7E-02	3.8E-02	1.1E-13
6.2E+00	1.2E-06	6.1E-04	4.6E-09	4.7E-02	3.8E-02	8.3E-12	7.4E-01	1.3E-07	6.1E-04	5.9E-11	4.7E-02	3.8E-02	1.1E-13
5.4E+00	1.2E-06	6.1E-04	4.1E-09	4.7E-02	3.8E-02	7.3E-12	7.2E-01	1.3E-07	6.1E-04	5.8E-11	4.7E-02	3.8E-02	1.0E-13
5.4E+00	1.2E-06	6.1E-04	4.0E-09	4.7E-02	3.8E-02	7.3E-12	7.1E-01	1.3E-07	6.1E-04	5.7E-11	4.7E-02	3.8E-02	1.0E-13
4.8E+00	1.2E-06	6.1E-04	3.6E-09	4.7E-02	3.8E-02	6.5E-12	7.0E-01	1.3E-07	6.1E-04	5.6E-11	4.7E-02	3.8E-02	1.0E-13
4.8E+00	1.2E-06	6.1E-04	3.6E-09	4.7E-02	3.8E-02	6.5E-12	6.8E-01	1.3E-07	6.1E-04	5.5E-11	4.7E-02	3.8E-02	9.9E-14
4.3E+00	1.2E-06	6.1E-04	3.2E-09	4.7E-02	3.8E-02	5.8E-12	6.7E-01	1.3E-07	6.1E-04	5.4E-11	4.7E-02	3.8E-02	9.7E-14
4.3E+00	1.2E-06	6.1E-04	3.2E-09	4.7E-02	3.8E-02	5.7E-12	6.6E-01	1.3E-07	6.1E-04	5.3E-11	4.7E-02	3.8E-02	9.6E-14
1.8E+01	1.2E-06	6.1E-04	1.3E-08	4.7E-02	3.8E-02	2.4E-11	1.0E+00	1.3E-07	6.1E-04	8.2E-11	4.7E-02	3.8E-02	1.5E-13
1.8E+01	1.2E-06	6.1E-04	1.4E-08	4.7E-02	3.8E-02	2.5E-11	1.0E+00	1.3E-07	6.1E-04	8.0E-11	4.7E-02	3.8E-02	1.5E-13
1.8E+01	1.2E-06	6.1E-04	1.4E-08	4.7E-02	3.8E-02	2.5E-11	9.8E-01	1.3E-07	6.1E-04	7.9E-11	4.7E-02	3.8E-02	1.4E-13
1.4E+01	1.2E-06	6.1E-04	1.1E-08	4.7E-02	3.8E-02	1.9E-11	9.8E-01	1.3E-07	6.1E-04	7.8E-11	4.7E-02	3.8E-02	1.4E-13
1.4E+01	1.2E-06	6.1E-04	1.1E-08	4.7E-02	3.8E-02	2.0E-11	9.6E-01	1.3E-07	6.1E-04	7.7E-11	4.7E-02	3.8E-02	1.4E-13
1.4E+01	1.2E-06	6.1E-04	1.1E-08	4.7E-02	3.8E-02	2.0E-11	9.4E-01	1.3E-07	6.1E-04	7.5E-11	4.7E-02	3.8E-02	1.4E-13
1.1E+01	1.2E-06	6.1E-04	8.5E-09	4.7E-02	3.8E-02	1.5E-11	9.4E-01	1.3E-07	6.1E-04	7.5E-11	4.7E-02	3.8E-02	1.4E-13
1.2E+01	1.2E-06	6.1E-04	8.7E-09	4.7E-02	3.8E-02	1.6E-11	9.2E-01	1.3E-07	6.1E-04	7.4E-11	4.7E-02	3.8E-02	1.3E-13
1.2E+01	1.2E-06	6.1E-04	8.8E-09	4.7E-02	3.8E-02	1.6E-11	9.0E-01	1.3E-07	6.1E-04	7.2E-11	4.7E-02	3.8E-02	1.3E-13
9.4E+00	1.2E-06	6.1E-04	7.0E-09	4.7E-02	3.8E-02	1.3E-11	9.0E-01	1.3E-07	6.1E-04	7.2E-11	4.7E-02	3.8E-02	1.3E-13
9.7E+00	1.2E-06	6.1E-04	7.2E-09	4.7E-02	3.8E-02	1.3E-11	8.8E-01	1.3E-07	6.1E-04	7.0E-11	4.7E-02	3.8E-02	1.3E-13
9.7E+00	1.2E-06	6.1E-04	7.2E-09	4.7E-02	3.8E-02	1.3E-11	8.6E-01	1.3E-07	6.1E-04	6.9E-11	4.7E-02	3.8E-02	1.2E-13
7.9E+00	1.2E-06	6.1E-04	5.9E-09	4.7E-02	3.8E-02	1.1E-11	8.6E-01	1.3E-07	6.1E-04	6.9E-11	4.7E-02	3.8E-02	1.2E-13
8.1E+00	1.2E-06	6.1E-04	6.0E-09	4.7E-02	3.8E-02	1.1E-11	8.4E-01	1.3E-07	6.1E-04	6.7E-11	4.7E-02	3.8E-02	1.2E-13
8.2E+00	1.2E-06	6.1E-04	6.1E-09	4.7E-02	3.8E-02	1.1E-11	8.3E-01	1.3E-07	6.1E-04	6.6E-11	4.7E-02	3.8E-02	1.2E-13
7.0E+00	1.2E-06	6.1E-04	5.2E-09	4.7E-02	3.8E-02	9.4E-12	8.3E-01	1.3E-07	6.1E-04	6.6E-11	4.7E-02	3.8E-02	1.2E-13
7.1E+00	1.2E-06	6.1E-04	5.3E-09	4.7E-02	3.8E-02	9.6E-12	8.1E-01	1.3E-07	6.1E-04	6.5E-11	4.7E-02	3.8E-02	1.2E-13
7.2E+00	1.2E-06	6.1E-04	5.4E-09	4.7E-02	3.8E-02	9.7E-12	8.0E-01	1.3E-07	6.1E-04	6.4E-11	4.7E-02	3.8E-02	1.2E-13
6.0E+00	1.2E-06	6.1E-04	4.5E-09	4.7E-02	3.8E-02	8.1E-12	7.9E-01	1.3E-07	6.1E-04	6.4E-11	4.7E-02	3.8E-02	1.2E-13
6.1E+00	1.2E-06	6.1E-04	4.6E-09	4.7E-02	3.8E-02	8.3E-12	7.8E-01	1.3E-07	6.1E-04	6.3E-11	4.7E-02	3.8E-02	1.1E-13
6.2E+00	1.2E-06	6.1E-04	4.6E-09	4.7E-02	3.8E-02	8.4E-12	7.7E-01	1.3E-07	6.1E-04	6.2E-11	4.7E-02	3.8E-02	1.1E-13
5.2E+00	1.2E-06	6.1E-04	3.9E-09	4.7E-02	3.8E-02	7.0E-12	7.6E-01	1.3E-07	6.1E-04	6.1E-11	4.7E-02	3.8E-02	1.1E-13
5.4E+00	1.2E-06	6.1E-04	4.0E-09	4.7E-02	3.8E-02	7.2E-12	7.5E-01	1.3E-07	6.1E-04	6.0E-11	4.7E-02	3.8E-02	1.1E-13
5.4E+00	1.2E-06	6.1E-04	4.0E-09	4.7E-02	3.8E-02	7.3E-12	7.4E-01	1.3E-07	6.1E-04	5.9E-11	4.7E-02	3.8E-02	1.1E-13
4.6E+00	1.2E-06	6.1E-04	3.4E-09	4.7E-02	3.8E-02	6.2E-12	7.3E-01	1.3E-07	6.1E-04	5.9E-11	4.7E-02	3.8E-02	1.1E-13

4.7E+00	1.2E-06	6.1E-04	3.5E-09	4.7E-02	3.8E-02	6.3E-12	7.2E-01	1.3E-07	6.1E-04	5.8E-11	4.7E-02	3.8E-02	1.0E-13
4.8E+00	1.2E-06	6.1E-04	3.6E-09	4.7E-02	3.8E-02	6.4E-12	7.1E-01	1.3E-07	6.1E-04	5.7E-11	4.7E-02	3.8E-02	1.0E-13
4.1E+00	1.2E-06	6.1E-04	3.0E-09	4.7E-02	3.8E-02	5.5E-12	7.0E-01	1.3E-07	6.1E-04	5.6E-11	4.7E-02	3.8E-02	1.0E-13
4.2E+00	1.2E-06	6.1E-04	3.1E-09	4.7E-02	3.8E-02	5.6E-12	6.9E-01	1.3E-07	6.1E-04	5.6E-11	4.7E-02	3.8E-02	1.0E-13
4.2E+00	1.2E-06	6.1E-04	3.2E-09	4.7E-02	3.8E-02	5.7E-12	6.8E-01	1.3E-07	6.1E-04	5.5E-11	4.7E-02	3.8E-02	9.9E-14
3.9E+00	1.2E-06	6.1E-04	2.9E-09	4.7E-02	3.8E-02	5.3E-12	6.9E-01	1.3E-07	6.1E-04	5.5E-11	4.7E-02	3.8E-02	1.0E-13
4.0E+00	1.2E-06	6.1E-04	3.0E-09	4.7E-02	3.8E-02	5.4E-12	6.8E-01	1.3E-07	6.1E-04	5.5E-11	4.7E-02	3.8E-02	9.9E-14
4.1E+00	1.2E-06	6.1E-04	3.0E-09	4.7E-02	3.8E-02	5.5E-12	6.7E-01	1.3E-07	6.1E-04	5.4E-11	4.7E-02	3.8E-02	9.7E-14
4.1E+00	1.2E-06	6.1E-04	3.0E-09	4.7E-02	3.8E-02	5.5E-12	6.6E-01	1.3E-07	6.1E-04	5.3E-11	4.7E-02	3.8E-02	9.5E-14
4.1E+00	1.2E-06	6.1E-04	3.0E-09	4.7E-02	3.8E-02	5.5E-12	6.5E-01	1.3E-07	6.1E-04	5.2E-11	4.7E-02	3.8E-02	9.4E-14
3.5E+00	1.2E-06	6.1E-04	2.6E-09	4.7E-02	3.8E-02	4.7E-12	6.6E-01	1.3E-07	6.1E-04	5.3E-11	4.7E-02	3.8E-02	9.6E-14
3.6E+00	1.2E-06	6.1E-04	2.7E-09	4.7E-02	3.8E-02	4.8E-12	6.5E-01	1.3E-07	6.1E-04	5.2E-11	4.7E-02	3.8E-02	9.5E-14
3.6E+00	1.2E-06	6.1E-04	2.7E-09	4.7E-02	3.8E-02	4.9E-12	6.5E-01	1.3E-07	6.1E-04	5.2E-11	4.7E-02	3.8E-02	9.3E-14
3.7E+00	1.2E-06	6.1E-04	2.7E-09	4.7E-02	3.8E-02	4.9E-12	6.4E-01	1.3E-07	6.1E-04	5.1E-11	4.7E-02	3.8E-02	9.2E-14
3.7E+00	1.2E-06	6.1E-04	2.7E-09	4.7E-02	3.8E-02	4.9E-12	6.2E-01	1.3E-07	6.1E-04	5.0E-11	4.7E-02	3.8E-02	9.0E-14
3.2E+00	1.2E-06	6.1E-04	2.4E-09	4.7E-02	3.8E-02	4.3E-12	6.4E-01	1.3E-07	6.1E-04	5.1E-11	4.7E-02	3.8E-02	9.3E-14
3.2E+00	1.2E-06	6.1E-04	2.4E-09	4.7E-02	3.8E-02	4.3E-12	6.3E-01	1.3E-07	6.1E-04	5.1E-11	4.7E-02	3.8E-02	9.1E-14
3.3E+00	1.2E-06	6.1E-04	2.4E-09	4.7E-02	3.8E-02	4.4E-12	6.2E-01	1.3E-07	6.1E-04	5.0E-11	4.7E-02	3.8E-02	9.0E-14
3.3E+00	1.2E-06	6.1E-04	2.5E-09	4.7E-02	3.8E-02	4.4E-12	6.1E-01	1.3E-07	6.1E-04	4.9E-11	4.7E-02	3.8E-02	8.9E-14
3.3E+00	1.2E-06	6.1E-04	2.5E-09	4.7E-02	3.8E-02	4.4E-12	6.0E-01	1.3E-07	6.1E-04	4.8E-11	4.7E-02	3.8E-02	8.7E-14
1.9E+01	1.2E-06	6.1E-04	1.4E-08	4.7E-02	3.8E-02	2.6E-11	9.9E-01	1.3E-07	6.1E-04	7.9E-11	4.7E-02	3.8E-02	1.4E-13
1.5E+01	1.2E-06	6.1E-04	1.1E-08	4.7E-02	3.8E-02	2.0E-11	9.4E-01	1.3E-07	6.1E-04	7.6E-11	4.7E-02	3.8E-02	1.4E-13
1.5E+01	1.2E-06	6.1E-04	1.1E-08	4.7E-02	3.8E-02	2.0E-11	9.2E-01	1.3E-07	6.1E-04	7.4E-11	4.7E-02	3.8E-02	1.3E-13
1.4E+01	1.2E-06	6.1E-04	1.0E-08	4.7E-02	3.8E-02	1.9E-11	9.0E-01	1.3E-07	6.1E-04	7.2E-11	4.7E-02	3.8E-02	1.3E-13
1.2E+01	1.2E-06	6.1E-04	9.1E-09	4.7E-02	3.8E-02	1.6E-11	9.0E-01	1.3E-07	6.1E-04	7.2E-11	4.7E-02	3.8E-02	1.3E-13
1.2E+01	1.2E-06	6.1E-04	8.9E-09	4.7E-02	3.8E-02	1.6E-11	8.8E-01	1.3E-07	6.1E-04	7.1E-11	4.7E-02	3.8E-02	1.3E-13
1.1E+01	1.2E-06	6.1E-04	8.5E-09	4.7E-02	3.8E-02	1.5E-11	8.6E-01	1.3E-07	6.1E-04	6.9E-11	4.7E-02	3.8E-02	1.3E-13

1.83171E-05
1.77712E-05
1.54836E-05
1.51413E-05
1.3274E-05
1.30614E-05
1.15108E-05
1.13812E-05
1.00793E-05
1.00042E-05
8.89745E-06
8.86158E-06
7.91108E-06
7.89591E-06
3.31144E-05
3.60171E-05
3.35819E-05
2.60256E-05
2.75812E-05
2.66499E-05
2.26545E-05
2.15915E-05
2.16407E-05
1.74292E-05
1.78129E-05
1.79216E-05
1.46104E-05
1.49722E-05
1.51061E-05
1.28568E-05
1.31783E-05
1.33218E-05
1.10875E-05
1.13656E-05
1.15095E-05
9.66923E-06
9.90985E-06
1.00469E-05
8.51381E-06

8.72226E-06
8.84912E-06
7.55663E-06
7.7382E-06
7.85405E-06
7.27619E-06
7.43053E-06
7.52494E-06
7.56553E-06
7.5406E-06
6.51894E-06
6.65513E-06
6.74381E-06
6.78637E-06
6.77647E-06
5.87391E-06
5.99542E-06
6.07915E-06
6.1241E-06
6.12775E-06
3.50805E-05
2.77507E-05
2.686E-05
2.54549E-05
2.24731E-05
2.19578E-05
2.10529E-05

Risk From New Building Demo - Unmitigated School

Franklin School Project

Risk From New Building Demo - Unmitigated School

0.83	Max

Onsite

Receptor #	Total/ Million	Total	Conc	g/sec	D1	Dose	R1	ED	Risk
807	0.50	5.0E-07	2.9E+01	1.1E-02	6.1E-04	1.9E-04	4.7E-02	5.5E-02	5.0E-07
808	0.57	5.7E-07	3.3E+01	1.1E-02	6.1E-04	2.2E-04	4.7E-02	5.5E-02	5.7E-07
809	0.55	5.5E-07	3.2E+01	1.1E-02	6.1E-04	2.1E-04	4.7E-02	5.5E-02	5.5E-07
810	0.60	6.0E-07	3.5E+01	1.1E-02	6.1E-04	2.3E-04	4.7E-02	5.5E-02	6.0E-07
811	0.57	5.7E-07	3.3E+01	1.1E-02	6.1E-04	2.2E-04	4.7E-02	5.5E-02	5.7E-07
812	0.72	7.2E-07	4.2E+01	1.1E-02	6.1E-04	2.8E-04	4.7E-02	5.5E-02	7.2E-07
813	0.58	5.8E-07	3.4E+01	1.1E-02	6.1E-04	2.3E-04	4.7E-02	5.5E-02	5.8E-07
814	0.78	7.8E-07	4.6E+01	1.1E-02	6.1E-04	3.0E-04	4.7E-02	5.5E-02	7.8E-07
815	0.61	6.1E-07	3.6E+01	1.1E-02	6.1E-04	2.4E-04	4.7E-02	5.5E-02	6.1E-07
816	0.68	6.8E-07	4.0E+01	1.1E-02	6.1E-04	2.6E-04	4.7E-02	5.5E-02	6.8E-07
817	0.63	6.3E-07	3.7E+01	1.1E-02	6.1E-04	2.4E-04	4.7E-02	5.5E-02	6.3E-07
818	0.68	6.8E-07	4.0E+01	1.1E-02	6.1E-04	2.6E-04	4.7E-02	5.5E-02	6.8E-07
819	0.61	6.1E-07	3.6E+01	1.1E-02	6.1E-04	2.4E-04	4.7E-02	5.5E-02	6.1E-07
820	0.83	8.3E-07	4.8E+01	1.1E-02	6.1E-04	3.2E-04	4.7E-02	5.5E-02	8.3E-07
821	0.13	1.3E-07	7.9E+00	1.1E-02	6.1E-04	5.2E-05	4.7E-02	5.5E-02	1.3E-07
822	0.17	1.7E-07	9.7E+00	1.1E-02	6.1E-04	6.4E-05	4.7E-02	5.5E-02	1.7E-07
823	0.21	2.1E-07	1.3E+01	1.1E-02	6.1E-04	8.3E-05	4.7E-02	5.5E-02	2.1E-07
824	0.15	1.5E-07	8.7E+00	1.1E-02	6.1E-04	5.8E-05	4.7E-02	5.5E-02	1.5E-07
825	0.19	1.9E-07	1.1E+01	1.1E-02	6.1E-04	7.3E-05	4.7E-02	5.5E-02	1.9E-07
826	0.25	2.5E-07	1.5E+01	1.1E-02	6.1E-04	9.7E-05	4.7E-02	5.5E-02	2.5E-07
827	0.16	1.6E-07	9.6E+00	1.1E-02	6.1E-04	6.4E-05	4.7E-02	5.5E-02	1.6E-07
828	0.22	2.2E-07	1.3E+01	1.1E-02	6.1E-04	8.3E-05	4.7E-02	5.5E-02	2.1E-07
829	0.29	2.9E-07	1.7E+01	1.1E-02	6.1E-04	1.1E-04	4.7E-02	5.5E-02	2.9E-07
830	0.18	1.8E-07	1.0E+01	1.1E-02	6.1E-04	6.9E-05	4.7E-02	5.5E-02	1.8E-07
831	0.23	2.3E-07	1.4E+01	1.1E-02	6.1E-04	9.1E-05	4.7E-02	5.5E-02	2.3E-07
832	0.33	3.3E-07	1.9E+01	1.1E-02	6.1E-04	1.3E-04	4.7E-02	5.5E-02	3.3E-07
833	0.19	1.9E-07	1.1E+01	1.1E-02	6.1E-04	7.3E-05	4.7E-02	5.5E-02	1.9E-07
834	0.25	2.5E-07	1.5E+01	1.1E-02	6.1E-04	9.6E-05	4.7E-02	5.5E-02	2.5E-07
835	0.36	3.6E-07	2.1E+01	1.1E-02	6.1E-04	1.4E-04	4.7E-02	5.5E-02	3.6E-07
836	0.19	1.9E-07	1.1E+01	1.1E-02	6.1E-04	7.5E-05	4.7E-02	5.5E-02	1.9E-07
837	0.26	2.6E-07	1.5E+01	1.1E-02	6.1E-04	9.9E-05	4.7E-02	5.5E-02	2.6E-07
838	0.37	3.7E-07	2.1E+01	1.1E-02	6.1E-04	1.4E-04	4.7E-02	5.5E-02	3.7E-07
839	0.20	2.0E-07	1.2E+01	1.1E-02	6.1E-04	7.8E-05	4.7E-02	5.5E-02	2.0E-07
840	0.27	2.7E-07	1.6E+01	1.1E-02	6.1E-04	1.0E-04	4.7E-02	5.5E-02	2.7E-07
841	0.38	3.8E-07	2.2E+01	1.1E-02	6.1E-04	1.5E-04	4.7E-02	5.5E-02	3.8E-07
842	0.20	2.0E-07	1.2E+01	1.1E-02	6.1E-04	7.9E-05	4.7E-02	5.5E-02	2.0E-07
843	0.27	2.7E-07	1.6E+01	1.1E-02	6.1E-04	1.1E-04	4.7E-02	5.5E-02	2.7E-07
844	0.39	3.9E-07	2.3E+01	1.1E-02	6.1E-04	1.5E-04	4.7E-02	5.5E-02	3.9E-07
845	0.20	2.0E-07	1.2E+01	1.1E-02	6.1E-04	7.8E-05	4.7E-02	5.5E-02	2.0E-07

846	0.27	2.7E-07	1.6E+01	1.1E-02	6.1E-04	1.1E-04	4.7E-02	5.5E-02	2.7E-07
847	0.39	3.9E-07	2.3E+01	1.1E-02	6.1E-04	1.5E-04	4.7E-02	5.5E-02	3.9E-07
848	0.20	2.0E-07	1.1E+01	1.1E-02	6.1E-04	7.6E-05	4.7E-02	5.5E-02	2.0E-07
849	0.27	2.7E-07	1.6E+01	1.1E-02	6.1E-04	1.0E-04	4.7E-02	5.5E-02	2.7E-07
850	0.39	3.9E-07	2.3E+01	1.1E-02	6.1E-04	1.5E-04	4.7E-02	5.5E-02	3.9E-07
851	0.21	2.1E-07	1.2E+01	1.1E-02	6.1E-04	8.1E-05	4.7E-02	5.5E-02	2.1E-07
852	0.29	2.9E-07	1.7E+01	1.1E-02	6.1E-04	1.1E-04	4.7E-02	5.5E-02	2.9E-07
853	0.43	4.3E-07	2.5E+01	1.1E-02	6.1E-04	1.7E-04	4.7E-02	5.5E-02	4.3E-07
854	0.66	6.6E-07	3.8E+01	1.1E-02	6.1E-04	2.5E-04	4.7E-02	5.5E-02	6.6E-07
855	0.67	6.7E-07	3.9E+01	1.1E-02	6.1E-04	2.6E-04	4.7E-02	5.5E-02	6.7E-07
856	0.20	2.0E-07	1.2E+01	1.1E-02	6.1E-04	7.7E-05	4.7E-02	5.5E-02	2.0E-07
857	0.28	2.8E-07	1.6E+01	1.1E-02	6.1E-04	1.1E-04	4.7E-02	5.5E-02	2.8E-07
858	0.41	4.1E-07	2.4E+01	1.1E-02	6.1E-04	1.6E-04	4.7E-02	5.5E-02	4.1E-07
859	0.64	6.4E-07	3.7E+01	1.1E-02	6.1E-04	2.5E-04	4.7E-02	5.5E-02	6.4E-07
860	0.59	5.9E-07	3.5E+01	1.1E-02	6.1E-04	2.3E-04	4.7E-02	5.5E-02	5.9E-07
861	0.19	1.9E-07	1.1E+01	1.1E-02	6.1E-04	7.3E-05	4.7E-02	5.5E-02	1.9E-07
862	0.25	2.5E-07	1.5E+01	1.1E-02	6.1E-04	9.9E-05	4.7E-02	5.5E-02	2.5E-07
863	0.36	3.6E-07	2.1E+01	1.1E-02	6.1E-04	1.4E-04	4.7E-02	5.5E-02	3.6E-07
864	0.55	5.5E-07	3.2E+01	1.1E-02	6.1E-04	2.1E-04	4.7E-02	5.5E-02	5.5E-07
865	0.56	5.6E-07	3.3E+01	1.1E-02	6.1E-04	2.2E-04	4.7E-02	5.5E-02	5.6E-07
866	0.22	2.2E-07	1.3E+01	1.1E-02	6.1E-04	8.5E-05	4.7E-02	5.5E-02	2.2E-07
867	0.26	2.6E-07	1.5E+01	1.1E-02	6.1E-04	1.0E-04	4.7E-02	5.5E-02	2.6E-07
868	0.37	3.7E-07	2.1E+01	1.1E-02	6.1E-04	1.4E-04	4.7E-02	5.5E-02	3.6E-07
869	0.54	5.4E-07	3.2E+01	1.1E-02	6.1E-04	2.1E-04	4.7E-02	5.5E-02	5.4E-07
870	0.31	3.1E-07	1.8E+01	1.1E-02	6.1E-04	1.2E-04	4.7E-02	5.5E-02	3.0E-07
871	0.44	4.4E-07	2.6E+01	1.1E-02	6.1E-04	1.7E-04	4.7E-02	5.5E-02	4.4E-07
872	0.60	6.0E-07	3.5E+01	1.1E-02	6.1E-04	2.3E-04	4.7E-02	5.5E-02	6.0E-07

Franklin School Project

Risk From New Building Demo - Unmitigated School

Haul Route 1A							Haul Route 2A						
Conc	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
2.0E+01	2.0E-06	6.1E-04	2.3E-08	4.7E-02	5.5E-02	6.0E-11	9.9E+00	6.2E-06	6.1E-04	3.7E-08	4.7E-02	5.5E-02	9.6E-11
1.7E+01	2.0E-06	6.1E-04	2.0E-08	4.7E-02	5.5E-02	5.2E-11	9.6E+00	6.2E-06	6.1E-04	3.6E-08	4.7E-02	5.5E-02	9.4E-11
1.6E+01	2.0E-06	6.1E-04	1.9E-08	4.7E-02	5.5E-02	5.0E-11	8.4E+00	6.2E-06	6.1E-04	3.2E-08	4.7E-02	5.5E-02	8.1E-11
1.4E+01	2.0E-06	6.1E-04	1.7E-08	4.7E-02	5.5E-02	4.4E-11	8.2E+00	6.2E-06	6.1E-04	3.1E-08	4.7E-02	5.5E-02	8.0E-11
1.3E+01	2.0E-06	6.1E-04	1.6E-08	4.7E-02	5.5E-02	4.1E-11	7.2E+00	6.2E-06	6.1E-04	2.7E-08	4.7E-02	5.5E-02	7.0E-11
1.2E+01	2.0E-06	6.1E-04	1.4E-08	4.7E-02	5.5E-02	3.7E-11	7.1E+00	6.2E-06	6.1E-04	2.7E-08	4.7E-02	5.5E-02	6.9E-11
1.1E+01	2.0E-06	6.1E-04	1.3E-08	4.7E-02	5.5E-02	3.4E-11	6.2E+00	6.2E-06	6.1E-04	2.3E-08	4.7E-02	5.5E-02	6.0E-11
1.0E+01	2.0E-06	6.1E-04	1.2E-08	4.7E-02	5.5E-02	3.2E-11	6.2E+00	6.2E-06	6.1E-04	2.3E-08	4.7E-02	5.5E-02	6.0E-11
9.5E+00	2.0E-06	6.1E-04	1.1E-08	4.7E-02	5.5E-02	2.9E-11	5.4E+00	6.2E-06	6.1E-04	2.0E-08	4.7E-02	5.5E-02	5.3E-11
8.8E+00	2.0E-06	6.1E-04	1.1E-08	4.7E-02	5.5E-02	2.7E-11	5.4E+00	6.2E-06	6.1E-04	2.0E-08	4.7E-02	5.5E-02	5.2E-11
8.2E+00	2.0E-06	6.1E-04	9.7E-09	4.7E-02	5.5E-02	2.5E-11	4.8E+00	6.2E-06	6.1E-04	1.8E-08	4.7E-02	5.5E-02	4.7E-11
7.7E+00	2.0E-06	6.1E-04	9.1E-09	4.7E-02	5.5E-02	2.4E-11	4.8E+00	6.2E-06	6.1E-04	1.8E-08	4.7E-02	5.5E-02	4.6E-11
7.1E+00	2.0E-06	6.1E-04	8.4E-09	4.7E-02	5.5E-02	2.2E-11	4.3E+00	6.2E-06	6.1E-04	1.6E-08	4.7E-02	5.5E-02	4.1E-11
6.7E+00	2.0E-06	6.1E-04	8.0E-09	4.7E-02	5.5E-02	2.1E-11	4.3E+00	6.2E-06	6.1E-04	1.6E-08	4.7E-02	5.5E-02	4.1E-11
3.2E+01	2.0E-06	6.1E-04	3.8E-08	4.7E-02	5.5E-02	9.9E-11	1.8E+01	6.2E-06	6.1E-04	6.8E-08	4.7E-02	5.5E-02	1.7E-10
6.9E+01	2.0E-06	6.1E-04	8.3E-08	4.7E-02	5.5E-02	2.1E-10	1.8E+01	6.2E-06	6.1E-04	6.9E-08	4.7E-02	5.5E-02	1.8E-10
4.7E+01	2.0E-06	6.1E-04	5.6E-08	4.7E-02	5.5E-02	1.4E-10	1.8E+01	6.2E-06	6.1E-04	6.9E-08	4.7E-02	5.5E-02	1.8E-10
2.2E+01	2.0E-06	6.1E-04	2.6E-08	4.7E-02	5.5E-02	6.7E-11	1.4E+01	6.2E-06	6.1E-04	5.3E-08	4.7E-02	5.5E-02	1.4E-10
5.0E+01	2.0E-06	6.1E-04	6.0E-08	4.7E-02	5.5E-02	1.6E-10	1.4E+01	6.2E-06	6.1E-04	5.4E-08	4.7E-02	5.5E-02	1.4E-10
3.7E+01	2.0E-06	6.1E-04	4.4E-08	4.7E-02	5.5E-02	1.1E-10	1.4E+01	6.2E-06	6.1E-04	5.4E-08	4.7E-02	5.5E-02	1.4E-10
4.4E+01	2.0E-06	6.1E-04	5.3E-08	4.7E-02	5.5E-02	1.4E-10	1.1E+01	6.2E-06	6.1E-04	4.3E-08	4.7E-02	5.5E-02	1.1E-10
3.6E+01	2.0E-06	6.1E-04	4.3E-08	4.7E-02	5.5E-02	1.1E-10	1.2E+01	6.2E-06	6.1E-04	4.4E-08	4.7E-02	5.5E-02	1.1E-10
2.9E+01	2.0E-06	6.1E-04	3.4E-08	4.7E-02	5.5E-02	8.8E-11	1.2E+01	6.2E-06	6.1E-04	4.4E-08	4.7E-02	5.5E-02	1.1E-10
3.0E+01	2.0E-06	6.1E-04	3.6E-08	4.7E-02	5.5E-02	9.2E-11	9.4E+00	6.2E-06	6.1E-04	3.5E-08	4.7E-02	5.5E-02	9.1E-11
2.6E+01	2.0E-06	6.1E-04	3.1E-08	4.7E-02	5.5E-02	8.0E-11	9.7E+00	6.2E-06	6.1E-04	3.6E-08	4.7E-02	5.5E-02	9.4E-11
2.2E+01	2.0E-06	6.1E-04	2.7E-08	4.7E-02	5.5E-02	6.9E-11	9.7E+00	6.2E-06	6.1E-04	3.6E-08	4.7E-02	5.5E-02	9.4E-11
2.2E+01	2.0E-06	6.1E-04	2.6E-08	4.7E-02	5.5E-02	6.6E-11	7.9E+00	6.2E-06	6.1E-04	3.0E-08	4.7E-02	5.5E-02	7.7E-11
2.0E+01	2.0E-06	6.1E-04	2.4E-08	4.7E-02	5.5E-02	6.1E-11	8.1E+00	6.2E-06	6.1E-04	3.0E-08	4.7E-02	5.5E-02	7.9E-11
1.8E+01	2.0E-06	6.1E-04	2.1E-08	4.7E-02	5.5E-02	5.4E-11	8.2E+00	6.2E-06	6.1E-04	3.1E-08	4.7E-02	5.5E-02	7.9E-11
1.7E+01	2.0E-06	6.1E-04	2.1E-08	4.7E-02	5.5E-02	5.3E-11	7.0E+00	6.2E-06	6.1E-04	2.6E-08	4.7E-02	5.5E-02	6.7E-11
1.6E+01	2.0E-06	6.1E-04	1.9E-08	4.7E-02	5.5E-02	5.0E-11	7.1E+00	6.2E-06	6.1E-04	2.7E-08	4.7E-02	5.5E-02	6.9E-11
1.5E+01	2.0E-06	6.1E-04	1.8E-08	4.7E-02	5.5E-02	4.6E-11	7.2E+00	6.2E-06	6.1E-04	2.7E-08	4.7E-02	5.5E-02	7.0E-11
1.4E+01	2.0E-06	6.1E-04	1.6E-08	4.7E-02	5.5E-02	4.2E-11	6.0E+00	6.2E-06	6.1E-04	2.3E-08	4.7E-02	5.5E-02	5.8E-11
1.3E+01	2.0E-06	6.1E-04	1.6E-08	4.7E-02	5.5E-02	4.0E-11	6.1E+00	6.2E-06	6.1E-04	2.3E-08	4.7E-02	5.5E-02	6.0E-11
1.2E+01	2.0E-06	6.1E-04	1.5E-08	4.7E-02	5.5E-02	3.8E-11	6.2E+00	6.2E-06	6.1E-04	2.3E-08	4.7E-02	5.5E-02	6.0E-11
1.1E+01	2.0E-06	6.1E-04	1.3E-08	4.7E-02	5.5E-02	3.4E-11	5.2E+00	6.2E-06	6.1E-04	2.0E-08	4.7E-02	5.5E-02	5.1E-11
1.1E+01	2.0E-06	6.1E-04	1.3E-08	4.7E-02	5.5E-02	3.3E-11	5.4E+00	6.2E-06	6.1E-04	2.0E-08	4.7E-02	5.5E-02	5.2E-11
1.0E+01	2.0E-06	6.1E-04	1.2E-08	4.7E-02	5.5E-02	3.1E-11	5.4E+00	6.2E-06	6.1E-04	2.0E-08	4.7E-02	5.5E-02	5.3E-11
9.1E+00	2.0E-06	6.1E-04	1.1E-08	4.7E-02	5.5E-02	2.8E-11	4.6E+00	6.2E-06	6.1E-04	1.7E-08	4.7E-02	5.5E-02	4.5E-11

8.9E+00	2.0E-06	6.1E-04	1.1E-08	4.7E-02	5.5E-02	2.7E-11	4.7E+00	6.2E-06	6.1E-04	1.8E-08	4.7E-02	5.5E-02	4.6E-11
8.6E+00	2.0E-06	6.1E-04	1.0E-08	4.7E-02	5.5E-02	2.6E-11	4.8E+00	6.2E-06	6.1E-04	1.8E-08	4.7E-02	5.5E-02	4.6E-11
7.7E+00	2.0E-06	6.1E-04	9.1E-09	4.7E-02	5.5E-02	2.4E-11	4.1E+00	6.2E-06	6.1E-04	1.5E-08	4.7E-02	5.5E-02	4.0E-11
7.6E+00	2.0E-06	6.1E-04	9.0E-09	4.7E-02	5.5E-02	2.3E-11	4.2E+00	6.2E-06	6.1E-04	1.6E-08	4.7E-02	5.5E-02	4.0E-11
7.4E+00	2.0E-06	6.1E-04	8.8E-09	4.7E-02	5.5E-02	2.3E-11	4.2E+00	6.2E-06	6.1E-04	1.6E-08	4.7E-02	5.5E-02	4.1E-11
7.2E+00	2.0E-06	6.1E-04	8.5E-09	4.7E-02	5.5E-02	2.2E-11	3.9E+00	6.2E-06	6.1E-04	1.5E-08	4.7E-02	5.5E-02	3.8E-11
7.1E+00	2.0E-06	6.1E-04	8.4E-09	4.7E-02	5.5E-02	2.2E-11	4.0E+00	6.2E-06	6.1E-04	1.5E-08	4.7E-02	5.5E-02	3.9E-11
6.9E+00	2.0E-06	6.1E-04	8.2E-09	4.7E-02	5.5E-02	2.1E-11	4.1E+00	6.2E-06	6.1E-04	1.5E-08	4.7E-02	5.5E-02	3.9E-11
6.6E+00	2.0E-06	6.1E-04	7.9E-09	4.7E-02	5.5E-02	2.0E-11	4.1E+00	6.2E-06	6.1E-04	1.5E-08	4.7E-02	5.5E-02	4.0E-11
6.3E+00	2.0E-06	6.1E-04	7.5E-09	4.7E-02	5.5E-02	1.9E-11	4.1E+00	6.2E-06	6.1E-04	1.5E-08	4.7E-02	5.5E-02	3.9E-11
6.2E+00	2.0E-06	6.1E-04	7.4E-09	4.7E-02	5.5E-02	1.9E-11	3.5E+00	6.2E-06	6.1E-04	1.3E-08	4.7E-02	5.5E-02	3.4E-11
6.1E+00	2.0E-06	6.1E-04	7.3E-09	4.7E-02	5.5E-02	1.9E-11	3.6E+00	6.2E-06	6.1E-04	1.3E-08	4.7E-02	5.5E-02	3.5E-11
6.0E+00	2.0E-06	6.1E-04	7.1E-09	4.7E-02	5.5E-02	1.8E-11	3.6E+00	6.2E-06	6.1E-04	1.4E-08	4.7E-02	5.5E-02	3.5E-11
5.8E+00	2.0E-06	6.1E-04	6.9E-09	4.7E-02	5.5E-02	1.8E-11	3.7E+00	6.2E-06	6.1E-04	1.4E-08	4.7E-02	5.5E-02	3.5E-11
5.6E+00	2.0E-06	6.1E-04	6.6E-09	4.7E-02	5.5E-02	1.7E-11	3.7E+00	6.2E-06	6.1E-04	1.4E-08	4.7E-02	5.5E-02	3.5E-11
5.4E+00	2.0E-06	6.1E-04	6.4E-09	4.7E-02	5.5E-02	1.7E-11	3.2E+00	6.2E-06	6.1E-04	1.2E-08	4.7E-02	5.5E-02	3.1E-11
5.3E+00	2.0E-06	6.1E-04	6.4E-09	4.7E-02	5.5E-02	1.6E-11	3.2E+00	6.2E-06	6.1E-04	1.2E-08	4.7E-02	5.5E-02	3.1E-11
5.3E+00	2.0E-06	6.1E-04	6.3E-09	4.7E-02	5.5E-02	1.6E-11	3.3E+00	6.2E-06	6.1E-04	1.2E-08	4.7E-02	5.5E-02	3.2E-11
5.1E+00	2.0E-06	6.1E-04	6.1E-09	4.7E-02	5.5E-02	1.6E-11	3.3E+00	6.2E-06	6.1E-04	1.2E-08	4.7E-02	5.5E-02	3.2E-11
5.0E+00	2.0E-06	6.1E-04	5.9E-09	4.7E-02	5.5E-02	1.5E-11	3.3E+00	6.2E-06	6.1E-04	1.2E-08	4.7E-02	5.5E-02	3.2E-11
4.6E+01	2.0E-06	6.1E-04	5.4E-08	4.7E-02	5.5E-02	1.4E-10	1.9E+01	6.2E-06	6.1E-04	7.2E-08	4.7E-02	5.5E-02	1.9E-10
3.7E+01	2.0E-06	6.1E-04	4.4E-08	4.7E-02	5.5E-02	1.1E-10	1.5E+01	6.2E-06	6.1E-04	5.7E-08	4.7E-02	5.5E-02	1.5E-10
2.9E+01	2.0E-06	6.1E-04	3.4E-08	4.7E-02	5.5E-02	8.8E-11	1.5E+01	6.2E-06	6.1E-04	5.5E-08	4.7E-02	5.5E-02	1.4E-10
2.3E+01	2.0E-06	6.1E-04	2.7E-08	4.7E-02	5.5E-02	7.1E-11	1.4E+01	6.2E-06	6.1E-04	5.2E-08	4.7E-02	5.5E-02	1.3E-10
2.9E+01	2.0E-06	6.1E-04	3.4E-08	4.7E-02	5.5E-02	8.9E-11	1.2E+01	6.2E-06	6.1E-04	4.6E-08	4.7E-02	5.5E-02	1.2E-10
2.4E+01	2.0E-06	6.1E-04	2.8E-08	4.7E-02	5.5E-02	7.3E-11	1.2E+01	6.2E-06	6.1E-04	4.5E-08	4.7E-02	5.5E-02	1.2E-10
2.0E+01	2.0E-06	6.1E-04	2.3E-08	4.7E-02	5.5E-02	6.0E-11	1.1E+01	6.2E-06	6.1E-04	4.3E-08	4.7E-02	5.5E-02	1.1E-10

Franklin School Project

Risk From New Building Demo - Unmitigated School

Haul Route 1A							Haul Route 2A						
Conc	g/sec	D1	Dose	R1	ED	Risk	Conc	g/sec	D1	Dose	R1	ED	Risk
9.9E+00	1.3E-05	6.1E-04	7.7E-08	4.7E-02	5.5E-02	2.0E-10	8.5E-01	1.4E-06	6.1E-04	7.0E-10	4.7E-02	5.5E-02	1.8E-12
9.6E+00	1.3E-05	6.1E-04	7.4E-08	4.7E-02	5.5E-02	1.9E-10	8.3E-01	1.4E-06	6.1E-04	6.9E-10	4.7E-02	5.5E-02	1.8E-12
8.4E+00	1.3E-05	6.1E-04	6.5E-08	4.7E-02	5.5E-02	1.7E-10	8.2E-01	1.4E-06	6.1E-04	6.8E-10	4.7E-02	5.5E-02	1.7E-12
8.2E+00	1.3E-05	6.1E-04	6.3E-08	4.7E-02	5.5E-02	1.6E-10	8.0E-01	1.4E-06	6.1E-04	6.6E-10	4.7E-02	5.5E-02	1.7E-12
7.2E+00	1.3E-05	6.1E-04	5.5E-08	4.7E-02	5.5E-02	1.4E-10	7.8E-01	1.4E-06	6.1E-04	6.5E-10	4.7E-02	5.5E-02	1.7E-12
7.1E+00	1.3E-05	6.1E-04	5.5E-08	4.7E-02	5.5E-02	1.4E-10	7.7E-01	1.4E-06	6.1E-04	6.4E-10	4.7E-02	5.5E-02	1.6E-12
6.2E+00	1.3E-05	6.1E-04	4.8E-08	4.7E-02	5.5E-02	1.2E-10	7.5E-01	1.4E-06	6.1E-04	6.2E-10	4.7E-02	5.5E-02	1.6E-12
6.2E+00	1.3E-05	6.1E-04	4.7E-08	4.7E-02	5.5E-02	1.2E-10	7.4E-01	1.4E-06	6.1E-04	6.1E-10	4.7E-02	5.5E-02	1.6E-12
5.4E+00	1.3E-05	6.1E-04	4.2E-08	4.7E-02	5.5E-02	1.1E-10	7.2E-01	1.4E-06	6.1E-04	6.0E-10	4.7E-02	5.5E-02	1.5E-12
5.4E+00	1.3E-05	6.1E-04	4.2E-08	4.7E-02	5.5E-02	1.1E-10	7.1E-01	1.4E-06	6.1E-04	5.9E-10	4.7E-02	5.5E-02	1.5E-12
4.8E+00	1.3E-05	6.1E-04	3.7E-08	4.7E-02	5.5E-02	9.6E-11	7.0E-01	1.4E-06	6.1E-04	5.8E-10	4.7E-02	5.5E-02	1.5E-12
4.8E+00	1.3E-05	6.1E-04	3.7E-08	4.7E-02	5.5E-02	9.5E-11	6.8E-01	1.4E-06	6.1E-04	5.7E-10	4.7E-02	5.5E-02	1.5E-12
4.3E+00	1.3E-05	6.1E-04	3.3E-08	4.7E-02	5.5E-02	8.5E-11	6.7E-01	1.4E-06	6.1E-04	5.6E-10	4.7E-02	5.5E-02	1.4E-12
4.3E+00	1.3E-05	6.1E-04	3.3E-08	4.7E-02	5.5E-02	8.5E-11	6.6E-01	1.4E-06	6.1E-04	5.5E-10	4.7E-02	5.5E-02	1.4E-12
1.8E+01	1.3E-05	6.1E-04	1.4E-07	4.7E-02	5.5E-02	3.6E-10	1.0E+00	1.4E-06	6.1E-04	8.5E-10	4.7E-02	5.5E-02	2.2E-12
1.8E+01	1.3E-05	6.1E-04	1.4E-07	4.7E-02	5.5E-02	3.7E-10	1.0E+00	1.4E-06	6.1E-04	8.3E-10	4.7E-02	5.5E-02	2.1E-12
1.8E+01	1.3E-05	6.1E-04	1.4E-07	4.7E-02	5.5E-02	3.6E-10	9.8E-01	1.4E-06	6.1E-04	8.1E-10	4.7E-02	5.5E-02	2.1E-12
1.4E+01	1.3E-05	6.1E-04	1.1E-07	4.7E-02	5.5E-02	2.8E-10	9.8E-01	1.4E-06	6.1E-04	8.1E-10	4.7E-02	5.5E-02	2.1E-12
1.4E+01	1.3E-05	6.1E-04	1.1E-07	4.7E-02	5.5E-02	2.9E-10	9.6E-01	1.4E-06	6.1E-04	8.0E-10	4.7E-02	5.5E-02	2.1E-12
1.4E+01	1.3E-05	6.1E-04	1.1E-07	4.7E-02	5.5E-02	2.9E-10	9.4E-01	1.4E-06	6.1E-04	7.8E-10	4.7E-02	5.5E-02	2.0E-12
1.1E+01	1.3E-05	6.1E-04	8.8E-08	4.7E-02	5.5E-02	2.3E-10	9.4E-01	1.4E-06	6.1E-04	7.8E-10	4.7E-02	5.5E-02	2.0E-12
1.2E+01	1.3E-05	6.1E-04	9.0E-08	4.7E-02	5.5E-02	2.3E-10	9.2E-01	1.4E-06	6.1E-04	7.6E-10	4.7E-02	5.5E-02	2.0E-12
1.2E+01	1.3E-05	6.1E-04	9.1E-08	4.7E-02	5.5E-02	2.3E-10	9.0E-01	1.4E-06	6.1E-04	7.5E-10	4.7E-02	5.5E-02	1.9E-12
9.4E+00	1.3E-05	6.1E-04	7.3E-08	4.7E-02	5.5E-02	1.9E-10	9.0E-01	1.4E-06	6.1E-04	7.4E-10	4.7E-02	5.5E-02	1.9E-12
9.7E+00	1.3E-05	6.1E-04	7.4E-08	4.7E-02	5.5E-02	1.9E-10	8.8E-01	1.4E-06	6.1E-04	7.3E-10	4.7E-02	5.5E-02	1.9E-12
9.7E+00	1.3E-05	6.1E-04	7.5E-08	4.7E-02	5.5E-02	1.9E-10	8.6E-01	1.4E-06	6.1E-04	7.1E-10	4.7E-02	5.5E-02	1.8E-12
7.9E+00	1.3E-05	6.1E-04	6.1E-08	4.7E-02	5.5E-02	1.6E-10	8.6E-01	1.4E-06	6.1E-04	7.1E-10	4.7E-02	5.5E-02	1.8E-12
8.1E+00	1.3E-05	6.1E-04	6.3E-08	4.7E-02	5.5E-02	1.6E-10	8.4E-01	1.4E-06	6.1E-04	7.0E-10	4.7E-02	5.5E-02	1.8E-12
8.2E+00	1.3E-05	6.1E-04	6.3E-08	4.7E-02	5.5E-02	1.6E-10	8.3E-01	1.4E-06	6.1E-04	6.8E-10	4.7E-02	5.5E-02	1.8E-12
7.0E+00	1.3E-05	6.1E-04	5.4E-08	4.7E-02	5.5E-02	1.4E-10	8.3E-01	1.4E-06	6.1E-04	6.9E-10	4.7E-02	5.5E-02	1.8E-12
7.1E+00	1.3E-05	6.1E-04	5.5E-08	4.7E-02	5.5E-02	1.4E-10	8.1E-01	1.4E-06	6.1E-04	6.8E-10	4.7E-02	5.5E-02	1.7E-12
7.2E+00	1.3E-05	6.1E-04	5.6E-08	4.7E-02	5.5E-02	1.4E-10	8.0E-01	1.4E-06	6.1E-04	6.6E-10	4.7E-02	5.5E-02	1.7E-12
6.0E+00	1.3E-05	6.1E-04	4.6E-08	4.7E-02	5.5E-02	1.2E-10	7.9E-01	1.4E-06	6.1E-04	6.6E-10	4.7E-02	5.5E-02	1.7E-12
6.1E+00	1.3E-05	6.1E-04	4.7E-08	4.7E-02	5.5E-02	1.2E-10	7.8E-01	1.4E-06	6.1E-04	6.5E-10	4.7E-02	5.5E-02	1.7E-12
6.2E+00	1.3E-05	6.1E-04	4.8E-08	4.7E-02	5.5E-02	1.2E-10	7.7E-01	1.4E-06	6.1E-04	6.4E-10	4.7E-02	5.5E-02	1.6E-12
5.2E+00	1.3E-05	6.1E-04	4.0E-08	4.7E-02	5.5E-02	1.0E-10	7.6E-01	1.4E-06	6.1E-04	6.3E-10	4.7E-02	5.5E-02	1.6E-12
5.4E+00	1.3E-05	6.1E-04	4.1E-08	4.7E-02	5.5E-02	1.1E-10	7.5E-01	1.4E-06	6.1E-04	6.2E-10	4.7E-02	5.5E-02	1.6E-12
5.4E+00	1.3E-05	6.1E-04	4.2E-08	4.7E-02	5.5E-02	1.1E-10	7.4E-01	1.4E-06	6.1E-04	6.1E-10	4.7E-02	5.5E-02	1.6E-12
4.6E+00	1.3E-05	6.1E-04	3.5E-08	4.7E-02	5.5E-02	9.1E-11	7.3E-01	1.4E-06	6.1E-04	6.1E-10	4.7E-02	5.5E-02	1.6E-12

4.7E+00	1.3E-05	6.1E-04	3.6E-08	4.7E-02	5.5E-02	9.4E-11	7.2E-01	1.4E-06	6.1E-04	6.0E-10	4.7E-02	5.5E-02	1.5E-12
4.8E+00	1.3E-05	6.1E-04	3.7E-08	4.7E-02	5.5E-02	9.5E-11	7.1E-01	1.4E-06	6.1E-04	5.9E-10	4.7E-02	5.5E-02	1.5E-12
4.1E+00	1.3E-05	6.1E-04	3.1E-08	4.7E-02	5.5E-02	8.1E-11	7.0E-01	1.4E-06	6.1E-04	5.8E-10	4.7E-02	5.5E-02	1.5E-12
4.2E+00	1.3E-05	6.1E-04	3.2E-08	4.7E-02	5.5E-02	8.3E-11	6.9E-01	1.4E-06	6.1E-04	5.7E-10	4.7E-02	5.5E-02	1.5E-12
4.2E+00	1.3E-05	6.1E-04	3.3E-08	4.7E-02	5.5E-02	8.4E-11	6.8E-01	1.4E-06	6.1E-04	5.7E-10	4.7E-02	5.5E-02	1.5E-12
3.9E+00	1.3E-05	6.1E-04	3.0E-08	4.7E-02	5.5E-02	7.8E-11	6.9E-01	1.4E-06	6.1E-04	5.7E-10	4.7E-02	5.5E-02	1.5E-12
4.0E+00	1.3E-05	6.1E-04	3.1E-08	4.7E-02	5.5E-02	8.0E-11	6.8E-01	1.4E-06	6.1E-04	5.6E-10	4.7E-02	5.5E-02	1.5E-12
4.1E+00	1.3E-05	6.1E-04	3.1E-08	4.7E-02	5.5E-02	8.1E-11	6.7E-01	1.4E-06	6.1E-04	5.5E-10	4.7E-02	5.5E-02	1.4E-12
4.1E+00	1.3E-05	6.1E-04	3.1E-08	4.7E-02	5.5E-02	8.1E-11	6.6E-01	1.4E-06	6.1E-04	5.5E-10	4.7E-02	5.5E-02	1.4E-12
4.1E+00	1.3E-05	6.1E-04	3.1E-08	4.7E-02	5.5E-02	8.1E-11	6.5E-01	1.4E-06	6.1E-04	5.4E-10	4.7E-02	5.5E-02	1.4E-12
3.5E+00	1.3E-05	6.1E-04	2.7E-08	4.7E-02	5.5E-02	7.0E-11	6.6E-01	1.4E-06	6.1E-04	5.5E-10	4.7E-02	5.5E-02	1.4E-12
3.6E+00	1.3E-05	6.1E-04	2.8E-08	4.7E-02	5.5E-02	7.1E-11	6.5E-01	1.4E-06	6.1E-04	5.4E-10	4.7E-02	5.5E-02	1.4E-12
3.6E+00	1.3E-05	6.1E-04	2.8E-08	4.7E-02	5.5E-02	7.2E-11	6.5E-01	1.4E-06	6.1E-04	5.3E-10	4.7E-02	5.5E-02	1.4E-12
3.7E+00	1.3E-05	6.1E-04	2.8E-08	4.7E-02	5.5E-02	7.3E-11	6.4E-01	1.4E-06	6.1E-04	5.3E-10	4.7E-02	5.5E-02	1.4E-12
3.7E+00	1.3E-05	6.1E-04	2.8E-08	4.7E-02	5.5E-02	7.3E-11	6.2E-01	1.4E-06	6.1E-04	5.2E-10	4.7E-02	5.5E-02	1.3E-12
3.2E+00	1.3E-05	6.1E-04	2.4E-08	4.7E-02	5.5E-02	6.3E-11	6.4E-01	1.4E-06	6.1E-04	5.3E-10	4.7E-02	5.5E-02	1.4E-12
3.2E+00	1.3E-05	6.1E-04	2.5E-08	4.7E-02	5.5E-02	6.4E-11	6.3E-01	1.4E-06	6.1E-04	5.2E-10	4.7E-02	5.5E-02	1.4E-12
3.3E+00	1.3E-05	6.1E-04	2.5E-08	4.7E-02	5.5E-02	6.5E-11	6.2E-01	1.4E-06	6.1E-04	5.2E-10	4.7E-02	5.5E-02	1.3E-12
3.3E+00	1.3E-05	6.1E-04	2.5E-08	4.7E-02	5.5E-02	6.6E-11	6.1E-01	1.4E-06	6.1E-04	5.1E-10	4.7E-02	5.5E-02	1.3E-12
3.3E+00	1.3E-05	6.1E-04	2.5E-08	4.7E-02	5.5E-02	6.6E-11	6.0E-01	1.4E-06	6.1E-04	5.0E-10	4.7E-02	5.5E-02	1.3E-12
1.9E+01	1.3E-05	6.1E-04	1.5E-07	4.7E-02	5.5E-02	3.8E-10	9.9E-01	1.4E-06	6.1E-04	8.2E-10	4.7E-02	5.5E-02	2.1E-12
1.5E+01	1.3E-05	6.1E-04	1.2E-07	4.7E-02	5.5E-02	3.0E-10	9.4E-01	1.4E-06	6.1E-04	7.8E-10	4.7E-02	5.5E-02	2.0E-12
1.5E+01	1.3E-05	6.1E-04	1.1E-07	4.7E-02	5.5E-02	2.9E-10	9.2E-01	1.4E-06	6.1E-04	7.6E-10	4.7E-02	5.5E-02	2.0E-12
1.4E+01	1.3E-05	6.1E-04	1.1E-07	4.7E-02	5.5E-02	2.8E-10	9.0E-01	1.4E-06	6.1E-04	7.5E-10	4.7E-02	5.5E-02	1.9E-12
1.2E+01	1.3E-05	6.1E-04	9.4E-08	4.7E-02	5.5E-02	2.4E-10	9.0E-01	1.4E-06	6.1E-04	7.5E-10	4.7E-02	5.5E-02	1.9E-12
1.2E+01	1.3E-05	6.1E-04	9.2E-08	4.7E-02	5.5E-02	2.4E-10	8.8E-01	1.4E-06	6.1E-04	7.3E-10	4.7E-02	5.5E-02	1.9E-12
1.1E+01	1.3E-05	6.1E-04	8.8E-08	4.7E-02	5.5E-02	2.3E-10	8.6E-01	1.4E-06	6.1E-04	7.2E-10	4.7E-02	5.5E-02	1.8E-12

Risk From New Building Grading - Unmitigated School

Franklin School Project

Risk From New Building Grading - Unmitigated School

0.13	Max

						Onsite			
Receptor #	**Total/ Million**	**Total**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
807	0.08	7.7E-08	2.9E+01	6.7E-03	6.1E-04	1.2E-04	4.7E-02	1.4E-02	7.7E-08
808	0.09	8.7E-08	3.3E+01	6.7E-03	6.1E-04	1.3E-04	4.7E-02	1.4E-02	8.7E-08
809	0.08	8.5E-08	3.2E+01	6.7E-03	6.1E-04	1.3E-04	4.7E-02	1.4E-02	8.5E-08
810	0.09	9.2E-08	3.5E+01	6.7E-03	6.1E-04	1.4E-04	4.7E-02	1.4E-02	9.2E-08
811	0.09	8.8E-08	3.3E+01	6.7E-03	6.1E-04	1.4E-04	4.7E-02	1.4E-02	8.8E-08
812	0.11	1.1E-07	4.2E+01	6.7E-03	6.1E-04	1.7E-04	4.7E-02	1.4E-02	1.1E-07
813	0.09	9.0E-08	3.4E+01	6.7E-03	6.1E-04	1.4E-04	4.7E-02	1.4E-02	9.0E-08
814	0.12	1.2E-07	4.6E+01	6.7E-03	6.1E-04	1.8E-04	4.7E-02	1.4E-02	1.2E-07
815	0.09	9.4E-08	3.6E+01	6.7E-03	6.1E-04	1.5E-04	4.7E-02	1.4E-02	9.4E-08
816	0.10	1.0E-07	4.0E+01	6.7E-03	6.1E-04	1.6E-04	4.7E-02	1.4E-02	1.0E-07
817	0.10	9.7E-08	3.7E+01	6.7E-03	6.1E-04	1.5E-04	4.7E-02	1.4E-02	9.7E-08
818	0.10	1.0E-07	4.0E+01	6.7E-03	6.1E-04	1.6E-04	4.7E-02	1.4E-02	1.0E-07
819	0.09	9.4E-08	3.6E+01	6.7E-03	6.1E-04	1.5E-04	4.7E-02	1.4E-02	9.4E-08
820	0.13	1.3E-07	4.8E+01	6.7E-03	6.1E-04	2.0E-04	4.7E-02	1.4E-02	1.3E-07
821	0.02	2.1E-08	7.9E+00	6.7E-03	6.1E-04	3.2E-05	4.7E-02	1.4E-02	2.1E-08
822	0.03	2.5E-08	9.7E+00	6.7E-03	6.1E-04	3.9E-05	4.7E-02	1.4E-02	2.5E-08
823	0.03	3.3E-08	1.3E+01	6.7E-03	6.1E-04	5.1E-05	4.7E-02	1.4E-02	3.3E-08
824	0.02	2.3E-08	8.7E+00	6.7E-03	6.1E-04	3.5E-05	4.7E-02	1.4E-02	2.3E-08
825	0.03	2.9E-08	1.1E+01	6.7E-03	6.1E-04	4.5E-05	4.7E-02	1.4E-02	2.9E-08
826	0.04	3.9E-08	1.5E+01	6.7E-03	6.1E-04	6.0E-05	4.7E-02	1.4E-02	3.9E-08
827	0.03	2.5E-08	9.6E+00	6.7E-03	6.1E-04	3.9E-05	4.7E-02	1.4E-02	2.5E-08
828	0.03	3.3E-08	1.3E+01	6.7E-03	6.1E-04	5.1E-05	4.7E-02	1.4E-02	3.3E-08
829	0.04	4.5E-08	1.7E+01	6.7E-03	6.1E-04	7.0E-05	4.7E-02	1.4E-02	4.5E-08
830	0.03	2.7E-08	1.0E+01	6.7E-03	6.1E-04	4.2E-05	4.7E-02	1.4E-02	2.7E-08
831	0.04	3.6E-08	1.4E+01	6.7E-03	6.1E-04	5.6E-05	4.7E-02	1.4E-02	3.6E-08
832	0.05	5.0E-08	1.9E+01	6.7E-03	6.1E-04	7.8E-05	4.7E-02	1.4E-02	5.0E-08
833	0.03	2.9E-08	1.1E+01	6.7E-03	6.1E-04	4.5E-05	4.7E-02	1.4E-02	2.9E-08
834	0.04	3.8E-08	1.5E+01	6.7E-03	6.1E-04	5.9E-05	4.7E-02	1.4E-02	3.8E-08
835	0.05	5.4E-08	2.1E+01	6.7E-03	6.1E-04	8.4E-05	4.7E-02	1.4E-02	5.4E-08
836	0.03	3.0E-08	1.1E+01	6.7E-03	6.1E-04	4.6E-05	4.7E-02	1.4E-02	3.0E-08
837	0.04	3.9E-08	1.5E+01	6.7E-03	6.1E-04	6.1E-05	4.7E-02	1.4E-02	3.9E-08
838	0.06	5.6E-08	2.1E+01	6.7E-03	6.1E-04	8.7E-05	4.7E-02	1.4E-02	5.6E-08
839	0.03	3.1E-08	1.2E+01	6.7E-03	6.1E-04	4.8E-05	4.7E-02	1.4E-02	3.1E-08
840	0.04	4.1E-08	1.6E+01	6.7E-03	6.1E-04	6.3E-05	4.7E-02	1.4E-02	4.1E-08
841	0.06	5.8E-08	2.2E+01	6.7E-03	6.1E-04	8.9E-05	4.7E-02	1.4E-02	5.8E-08
842	0.03	3.1E-08	1.2E+01	6.7E-03	6.1E-04	4.8E-05	4.7E-02	1.4E-02	3.1E-08
843	0.04	4.2E-08	1.6E+01	6.7E-03	6.1E-04	6.5E-05	4.7E-02	1.4E-02	4.2E-08
844	0.06	5.9E-08	2.3E+01	6.7E-03	6.1E-04	9.2E-05	4.7E-02	1.4E-02	5.9E-08
845	0.03	3.1E-08	1.2E+01	6.7E-03	6.1E-04	4.8E-05	4.7E-02	1.4E-02	3.1E-08

846	0.04	4.2E-08	1.6E+01	6.7E-03	6.1E-04	6.4E-05	4.7E-02	1.4E-02	4.2E-08
847	0.06	6.0E-08	2.3E+01	6.7E-03	6.1E-04	9.3E-05	4.7E-02	1.4E-02	6.0E-08
848	0.03	3.0E-08	1.1E+01	6.7E-03	6.1E-04	4.6E-05	4.7E-02	1.4E-02	3.0E-08
849	0.04	4.1E-08	1.6E+01	6.7E-03	6.1E-04	6.3E-05	4.7E-02	1.4E-02	4.1E-08
850	0.06	5.9E-08	2.3E+01	6.7E-03	6.1E-04	9.2E-05	4.7E-02	1.4E-02	5.9E-08
851	0.03	3.2E-08	1.2E+01	6.7E-03	6.1E-04	5.0E-05	4.7E-02	1.4E-02	3.2E-08
852	0.04	4.5E-08	1.7E+01	6.7E-03	6.1E-04	6.9E-05	4.7E-02	1.4E-02	4.5E-08
853	0.07	6.6E-08	2.5E+01	6.7E-03	6.1E-04	1.0E-04	4.7E-02	1.4E-02	6.6E-08
854	0.10	1.0E-07	3.8E+01	6.7E-03	6.1E-04	1.6E-04	4.7E-02	1.4E-02	1.0E-07
855	0.10	1.0E-07	3.9E+01	6.7E-03	6.1E-04	1.6E-04	4.7E-02	1.4E-02	1.0E-07
856	0.03	3.1E-08	1.2E+01	6.7E-03	6.1E-04	4.7E-05	4.7E-02	1.4E-02	3.1E-08
857	0.04	4.2E-08	1.6E+01	6.7E-03	6.1E-04	6.5E-05	4.7E-02	1.4E-02	4.2E-08
858	0.06	6.2E-08	2.4E+01	6.7E-03	6.1E-04	9.6E-05	4.7E-02	1.4E-02	6.2E-08
859	0.10	9.8E-08	3.7E+01	6.7E-03	6.1E-04	1.5E-04	4.7E-02	1.4E-02	9.8E-08
860	0.09	9.1E-08	3.5E+01	6.7E-03	6.1E-04	1.4E-04	4.7E-02	1.4E-02	9.1E-08
861	0.03	2.9E-08	1.1E+01	6.7E-03	6.1E-04	4.5E-05	4.7E-02	1.4E-02	2.9E-08
862	0.04	3.9E-08	1.5E+01	6.7E-03	6.1E-04	6.0E-05	4.7E-02	1.4E-02	3.9E-08
863	0.06	5.6E-08	2.1E+01	6.7E-03	6.1E-04	8.6E-05	4.7E-02	1.4E-02	5.6E-08
864	0.08	8.5E-08	3.2E+01	6.7E-03	6.1E-04	1.3E-04	4.7E-02	1.4E-02	8.5E-08
865	0.09	8.5E-08	3.3E+01	6.7E-03	6.1E-04	1.3E-04	4.7E-02	1.4E-02	8.5E-08
866	0.03	3.4E-08	1.3E+01	6.7E-03	6.1E-04	5.2E-05	4.7E-02	1.4E-02	3.4E-08
867	0.04	4.0E-08	1.5E+01	6.7E-03	6.1E-04	6.2E-05	4.7E-02	1.4E-02	4.0E-08
868	0.06	5.6E-08	2.1E+01	6.7E-03	6.1E-04	8.7E-05	4.7E-02	1.4E-02	5.6E-08
869	0.08	8.3E-08	3.2E+01	6.7E-03	6.1E-04	1.3E-04	4.7E-02	1.4E-02	8.3E-08
870	0.05	4.7E-08	1.8E+01	6.7E-03	6.1E-04	7.2E-05	4.7E-02	1.4E-02	4.7E-08
871	0.07	6.8E-08	2.6E+01	6.7E-03	6.1E-04	1.1E-04	4.7E-02	1.4E-02	6.8E-08
872	0.09	9.2E-08	3.5E+01	6.7E-03	6.1E-04	1.4E-04	4.7E-02	1.4E-02	9.2E-08

Risk From New Building Const - Unmitigated School

Franklin School Project

Risk From New Building Const - Unmitigated School

	7.99	Max

Onsite

Receptor #	Total/ Million	Total	Conc	g/sec	D1	Dose	R1	ED	Risk
807	0.97	9.7E-07	8.6E+00	7.2E-03	6.1E-04	3.7E-05	4.7E-02	5.5E-01	9.7E-07
808	1.12	1.1E-06	9.9E+00	7.2E-03	6.1E-04	4.3E-05	4.7E-02	5.5E-01	1.1E-06
809	1.19	1.2E-06	1.1E+01	7.2E-03	6.1E-04	4.6E-05	4.7E-02	5.5E-01	1.2E-06
810	1.40	1.4E-06	1.2E+01	7.2E-03	6.1E-04	5.4E-05	4.7E-02	5.5E-01	1.4E-06
811	1.48	1.5E-06	1.3E+01	7.2E-03	6.1E-04	5.7E-05	4.7E-02	5.5E-01	1.5E-06
812	1.80	1.8E-06	1.6E+01	7.2E-03	6.1E-04	7.0E-05	4.7E-02	5.5E-01	1.8E-06
813	1.88	1.9E-06	1.7E+01	7.2E-03	6.1E-04	7.3E-05	4.7E-02	5.5E-01	1.9E-06
814	2.40	2.4E-06	2.1E+01	7.2E-03	6.1E-04	9.3E-05	4.7E-02	5.5E-01	2.4E-06
815	2.41	2.4E-06	2.1E+01	7.2E-03	6.1E-04	9.3E-05	4.7E-02	5.5E-01	2.4E-06
816	3.29	3.3E-06	2.9E+01	7.2E-03	6.1E-04	1.3E-04	4.7E-02	5.5E-01	3.3E-06
817	3.11	3.1E-06	2.8E+01	7.2E-03	6.1E-04	1.2E-04	4.7E-02	5.5E-01	3.1E-06
818	4.60	4.6E-06	4.1E+01	7.2E-03	6.1E-04	1.8E-04	4.7E-02	5.5E-01	4.6E-06
819	3.84	3.8E-06	3.4E+01	7.2E-03	6.1E-04	1.5E-04	4.7E-02	5.5E-01	3.8E-06
820	6.45	6.4E-06	5.7E+01	7.2E-03	6.1E-04	2.5E-04	4.7E-02	5.5E-01	6.4E-06
821	0.44	4.4E-07	3.9E+00	7.2E-03	6.1E-04	1.7E-05	4.7E-02	5.5E-01	4.4E-07
822	0.48	4.8E-07	4.3E+00	7.2E-03	6.1E-04	1.9E-05	4.7E-02	5.5E-01	4.8E-07
823	0.53	5.3E-07	4.7E+00	7.2E-03	6.1E-04	2.1E-05	4.7E-02	5.5E-01	5.3E-07
824	0.49	4.9E-07	4.4E+00	7.2E-03	6.1E-04	1.9E-05	4.7E-02	5.5E-01	4.9E-07
825	0.55	5.5E-07	4.9E+00	7.2E-03	6.1E-04	2.1E-05	4.7E-02	5.5E-01	5.5E-07
826	0.62	6.2E-07	5.5E+00	7.2E-03	6.1E-04	2.4E-05	4.7E-02	5.5E-01	6.1E-07
827	0.56	5.6E-07	5.0E+00	7.2E-03	6.1E-04	2.2E-05	4.7E-02	5.5E-01	5.6E-07
828	0.64	6.4E-07	5.7E+00	7.2E-03	6.1E-04	2.5E-05	4.7E-02	5.5E-01	6.3E-07
829	0.72	7.2E-07	6.4E+00	7.2E-03	6.1E-04	2.8E-05	4.7E-02	5.5E-01	7.2E-07
830	0.64	6.4E-07	5.6E+00	7.2E-03	6.1E-04	2.5E-05	4.7E-02	5.5E-01	6.3E-07
831	0.73	7.3E-07	6.5E+00	7.2E-03	6.1E-04	2.8E-05	4.7E-02	5.5E-01	7.3E-07
832	0.86	8.6E-07	7.6E+00	7.2E-03	6.1E-04	3.3E-05	4.7E-02	5.5E-01	8.5E-07
833	0.72	7.2E-07	6.4E+00	7.2E-03	6.1E-04	2.8E-05	4.7E-02	5.5E-01	7.2E-07
834	0.85	8.5E-07	7.6E+00	7.2E-03	6.1E-04	3.3E-05	4.7E-02	5.5E-01	8.5E-07
835	1.02	1.0E-06	9.1E+00	7.2E-03	6.1E-04	4.0E-05	4.7E-02	5.5E-01	1.0E-06
836	0.80	8.0E-07	7.1E+00	7.2E-03	6.1E-04	3.1E-05	4.7E-02	5.5E-01	8.0E-07
837	0.96	9.6E-07	8.5E+00	7.2E-03	6.1E-04	3.7E-05	4.7E-02	5.5E-01	9.6E-07
838	1.18	1.2E-06	1.1E+01	7.2E-03	6.1E-04	4.6E-05	4.7E-02	5.5E-01	1.2E-06
839	0.91	9.1E-07	8.1E+00	7.2E-03	6.1E-04	3.5E-05	4.7E-02	5.5E-01	9.1E-07
840	1.12	1.1E-06	9.9E+00	7.2E-03	6.1E-04	4.3E-05	4.7E-02	5.5E-01	1.1E-06
841	1.42	1.4E-06	1.3E+01	7.2E-03	6.1E-04	5.5E-05	4.7E-02	5.5E-01	1.4E-06
842	1.02	1.0E-06	9.1E+00	7.2E-03	6.1E-04	3.9E-05	4.7E-02	5.5E-01	1.0E-06
843	1.30	1.3E-06	1.2E+01	7.2E-03	6.1E-04	5.0E-05	4.7E-02	5.5E-01	1.3E-06
844	1.72	1.7E-06	1.5E+01	7.2E-03	6.1E-04	6.7E-05	4.7E-02	5.5E-01	1.7E-06
845	1.12	1.1E-06	9.9E+00	7.2E-03	6.1E-04	4.3E-05	4.7E-02	5.5E-01	1.1E-06

846	1.48	1.5E-06	1.3E+01	7.2E-03	6.1E-04	5.7E-05	4.7E-02	5.5E-01	1.5E-06
847	2.06	2.1E-06	1.8E+01	7.2E-03	6.1E-04	8.0E-05	4.7E-02	5.5E-01	2.1E-06
848	1.20	1.2E-06	1.1E+01	7.2E-03	6.1E-04	4.6E-05	4.7E-02	5.5E-01	1.2E-06
849	1.62	1.6E-06	1.4E+01	7.2E-03	6.1E-04	6.3E-05	4.7E-02	5.5E-01	1.6E-06
850	2.38	2.4E-06	2.1E+01	7.2E-03	6.1E-04	9.2E-05	4.7E-02	5.5E-01	2.4E-06
851	1.33	1.3E-06	1.2E+01	7.2E-03	6.1E-04	5.2E-05	4.7E-02	5.5E-01	1.3E-06
852	1.87	1.9E-06	1.7E+01	7.2E-03	6.1E-04	7.2E-05	4.7E-02	5.5E-01	1.9E-06
853	2.83	2.8E-06	2.5E+01	7.2E-03	6.1E-04	1.1E-04	4.7E-02	5.5E-01	2.8E-06
854	4.50	4.5E-06	4.0E+01	7.2E-03	6.1E-04	1.7E-04	4.7E-02	5.5E-01	4.5E-06
855	6.33	6.3E-06	5.6E+01	7.2E-03	6.1E-04	2.5E-04	4.7E-02	5.5E-01	6.3E-06
856	1.36	1.4E-06	1.2E+01	7.2E-03	6.1E-04	5.3E-05	4.7E-02	5.5E-01	1.4E-06
857	1.94	1.9E-06	1.7E+01	7.2E-03	6.1E-04	7.5E-05	4.7E-02	5.5E-01	1.9E-06
858	2.99	3.0E-06	2.7E+01	7.2E-03	6.1E-04	1.2E-04	4.7E-02	5.5E-01	3.0E-06
859	4.95	5.0E-06	4.4E+01	7.2E-03	6.1E-04	1.9E-04	4.7E-02	5.5E-01	5.0E-06
860	7.17	7.2E-06	6.4E+01	7.2E-03	6.1E-04	2.8E-04	4.7E-02	5.5E-01	7.2E-06
861	1.37	1.4E-06	1.2E+01	7.2E-03	6.1E-04	5.3E-05	4.7E-02	5.5E-01	1.4E-06
862	1.93	1.9E-06	1.7E+01	7.2E-03	6.1E-04	7.5E-05	4.7E-02	5.5E-01	1.9E-06
863	2.91	2.9E-06	2.6E+01	7.2E-03	6.1E-04	1.1E-04	4.7E-02	5.5E-01	2.9E-06
864	4.69	4.7E-06	4.2E+01	7.2E-03	6.1E-04	1.8E-04	4.7E-02	5.5E-01	4.7E-06
865	7.99	8.0E-06	7.1E+01	7.2E-03	6.1E-04	3.1E-04	4.7E-02	5.5E-01	8.0E-06
866	0.53	5.3E-07	4.7E+00	7.2E-03	6.1E-04	2.0E-05	4.7E-02	5.5E-01	5.3E-07
867	0.61	6.1E-07	5.4E+00	7.2E-03	6.1E-04	2.4E-05	4.7E-02	5.5E-01	6.1E-07
868	0.68	6.8E-07	6.1E+00	7.2E-03	6.1E-04	2.6E-05	4.7E-02	5.5E-01	6.8E-07
869	0.76	7.6E-07	6.7E+00	7.2E-03	6.1E-04	2.9E-05	4.7E-02	5.5E-01	7.6E-07
870	0.72	7.2E-07	6.4E+00	7.2E-03	6.1E-04	2.8E-05	4.7E-02	5.5E-01	7.2E-07
871	0.81	8.1E-07	7.2E+00	7.2E-03	6.1E-04	3.1E-05	4.7E-02	5.5E-01	8.1E-07
872	0.92	9.2E-07	8.2E+00	7.2E-03	6.1E-04	3.6E-05	4.7E-02	5.5E-01	9.2E-07

Franklin School Project

Risk From New Building Const - Unmitigated School

Haul Route 1A							Haul Route 2A						
Conc	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
2.0E+01	8.0E-07	6.1E-04	9.5E-09	4.7E-02	5.5E-01	2.4E-10	9.9E+00	2.5E-06	6.1E-04	1.5E-08	4.7E-02	5.5E-01	3.9E-10
1.7E+01	8.0E-07	6.1E-04	8.1E-09	4.7E-02	5.5E-01	2.1E-10	9.6E+00	2.5E-06	6.1E-04	1.5E-08	4.7E-02	5.5E-01	3.8E-10
1.6E+01	8.0E-07	6.1E-04	7.8E-09	4.7E-02	5.5E-01	2.0E-10	8.4E+00	2.5E-06	6.1E-04	1.3E-08	4.7E-02	5.5E-01	3.3E-10
1.4E+01	8.0E-07	6.1E-04	6.8E-09	4.7E-02	5.5E-01	1.8E-10	8.2E+00	2.5E-06	6.1E-04	1.2E-08	4.7E-02	5.5E-01	3.2E-10
1.3E+01	8.0E-07	6.1E-04	6.4E-09	4.7E-02	5.5E-01	1.7E-10	7.2E+00	2.5E-06	6.1E-04	1.1E-08	4.7E-02	5.5E-01	2.8E-10
1.2E+01	8.0E-07	6.1E-04	5.8E-09	4.7E-02	5.5E-01	1.5E-10	7.1E+00	2.5E-06	6.1E-04	1.1E-08	4.7E-02	5.5E-01	2.8E-10
1.1E+01	8.0E-07	6.1E-04	5.4E-09	4.7E-02	5.5E-01	1.4E-10	6.2E+00	2.5E-06	6.1E-04	9.5E-09	4.7E-02	5.5E-01	2.4E-10
1.0E+01	8.0E-07	6.1E-04	4.9E-09	4.7E-02	5.5E-01	1.3E-10	6.2E+00	2.5E-06	6.1E-04	9.4E-09	4.7E-02	5.5E-01	2.4E-10
9.5E+00	8.0E-07	6.1E-04	4.6E-09	4.7E-02	5.5E-01	1.2E-10	5.4E+00	2.5E-06	6.1E-04	8.3E-09	4.7E-02	5.5E-01	2.1E-10
8.8E+00	8.0E-07	6.1E-04	4.3E-09	4.7E-02	5.5E-01	1.1E-10	5.4E+00	2.5E-06	6.1E-04	8.2E-09	4.7E-02	5.5E-01	2.1E-10
8.2E+00	8.0E-07	6.1E-04	3.9E-09	4.7E-02	5.5E-01	1.0E-10	4.8E+00	2.5E-06	6.1E-04	7.3E-09	4.7E-02	5.5E-01	1.9E-10
7.7E+00	8.0E-07	6.1E-04	3.7E-09	4.7E-02	5.5E-01	9.6E-11	4.8E+00	2.5E-06	6.1E-04	7.3E-09	4.7E-02	5.5E-01	1.9E-10
7.1E+00	8.0E-07	6.1E-04	3.4E-09	4.7E-02	5.5E-01	8.8E-11	4.3E+00	2.5E-06	6.1E-04	6.5E-09	4.7E-02	5.5E-01	1.7E-10
6.7E+00	8.0E-07	6.1E-04	3.2E-09	4.7E-02	5.5E-01	8.3E-11	4.3E+00	2.5E-06	6.1E-04	6.5E-09	4.7E-02	5.5E-01	1.7E-10
3.2E+01	8.0E-07	6.1E-04	1.5E-08	4.7E-02	5.5E-01	4.0E-10	1.8E+01	2.5E-06	6.1E-04	2.7E-08	4.7E-02	5.5E-01	7.1E-10
6.9E+01	8.0E-07	6.1E-04	3.3E-08	4.7E-02	5.5E-01	8.6E-10	1.8E+01	2.5E-06	6.1E-04	2.8E-08	4.7E-02	5.5E-01	7.2E-10
4.7E+01	8.0E-07	6.1E-04	2.3E-08	4.7E-02	5.5E-01	5.8E-10	1.8E+01	2.5E-06	6.1E-04	2.8E-08	4.7E-02	5.5E-01	7.2E-10
2.2E+01	8.0E-07	6.1E-04	1.0E-08	4.7E-02	5.5E-01	2.7E-10	1.4E+01	2.5E-06	6.1E-04	2.1E-08	4.7E-02	5.5E-01	5.5E-10
5.0E+01	8.0E-07	6.1E-04	2.4E-08	4.7E-02	5.5E-01	6.3E-10	1.4E+01	2.5E-06	6.1E-04	2.2E-08	4.7E-02	5.5E-01	5.7E-10
3.7E+01	8.0E-07	6.1E-04	1.8E-08	4.7E-02	5.5E-01	4.6E-10	1.4E+01	2.5E-06	6.1E-04	2.2E-08	4.7E-02	5.5E-01	5.7E-10
4.4E+01	8.0E-07	6.1E-04	2.1E-08	4.7E-02	5.5E-01	5.5E-10	1.1E+01	2.5E-06	6.1E-04	1.7E-08	4.7E-02	5.5E-01	4.5E-10
3.6E+01	8.0E-07	6.1E-04	1.7E-08	4.7E-02	5.5E-01	4.4E-10	1.2E+01	2.5E-06	6.1E-04	1.8E-08	4.7E-02	5.5E-01	4.6E-10
2.9E+01	8.0E-07	6.1E-04	1.4E-08	4.7E-02	5.5E-01	3.6E-10	1.2E+01	2.5E-06	6.1E-04	1.8E-08	4.7E-02	5.5E-01	4.6E-10
3.0E+01	8.0E-07	6.1E-04	1.4E-08	4.7E-02	5.5E-01	3.7E-10	9.4E+00	2.5E-06	6.1E-04	1.4E-08	4.7E-02	5.5E-01	3.7E-10
2.6E+01	8.0E-07	6.1E-04	1.3E-08	4.7E-02	5.5E-01	3.2E-10	9.7E+00	2.5E-06	6.1E-04	1.5E-08	4.7E-02	5.5E-01	3.8E-10
2.2E+01	8.0E-07	6.1E-04	1.1E-08	4.7E-02	5.5E-01	2.8E-10	9.7E+00	2.5E-06	6.1E-04	1.5E-08	4.7E-02	5.5E-01	3.8E-10
2.2E+01	8.0E-07	6.1E-04	1.0E-08	4.7E-02	5.5E-01	2.7E-10	7.9E+00	2.5E-06	6.1E-04	1.2E-08	4.7E-02	5.5E-01	3.1E-10
2.0E+01	8.0E-07	6.1E-04	9.5E-09	4.7E-02	5.5E-01	2.5E-10	8.1E+00	2.5E-06	6.1E-04	1.2E-08	4.7E-02	5.5E-01	3.2E-10
1.8E+01	8.0E-07	6.1E-04	8.5E-09	4.7E-02	5.5E-01	2.2E-10	8.2E+00	2.5E-06	6.1E-04	1.2E-08	4.7E-02	5.5E-01	3.2E-10
1.7E+01	8.0E-07	6.1E-04	8.3E-09	4.7E-02	5.5E-01	2.2E-10	7.0E+00	2.5E-06	6.1E-04	1.1E-08	4.7E-02	5.5E-01	2.7E-10
1.6E+01	8.0E-07	6.1E-04	7.8E-09	4.7E-02	5.5E-01	2.0E-10	7.1E+00	2.5E-06	6.1E-04	1.1E-08	4.7E-02	5.5E-01	2.8E-10
1.5E+01	8.0E-07	6.1E-04	7.2E-09	4.7E-02	5.5E-01	1.9E-10	7.2E+00	2.5E-06	6.1E-04	1.1E-08	4.7E-02	5.5E-01	2.8E-10
1.4E+01	8.0E-07	6.1E-04	6.6E-09	4.7E-02	5.5E-01	1.7E-10	6.0E+00	2.5E-06	6.1E-04	9.1E-09	4.7E-02	5.5E-01	2.4E-10
1.3E+01	8.0E-07	6.1E-04	6.3E-09	4.7E-02	5.5E-01	1.6E-10	6.1E+00	2.5E-06	6.1E-04	9.3E-09	4.7E-02	5.5E-01	2.4E-10
1.2E+01	8.0E-07	6.1E-04	5.9E-09	4.7E-02	5.5E-01	1.5E-10	6.2E+00	2.5E-06	6.1E-04	9.5E-09	4.7E-02	5.5E-01	2.4E-10
1.1E+01	8.0E-07	6.1E-04	5.3E-09	4.7E-02	5.5E-01	1.4E-10	5.2E+00	2.5E-06	6.1E-04	7.9E-09	4.7E-02	5.5E-01	2.1E-10
1.1E+01	8.0E-07	6.1E-04	5.2E-09	4.7E-02	5.5E-01	1.3E-10	5.4E+00	2.5E-06	6.1E-04	8.1E-09	4.7E-02	5.5E-01	2.1E-10
1.0E+01	8.0E-07	6.1E-04	4.9E-09	4.7E-02	5.5E-01	1.3E-10	5.4E+00	2.5E-06	6.1E-04	8.3E-09	4.7E-02	5.5E-01	2.1E-10
9.1E+00	8.0E-07	6.1E-04	4.4E-09	4.7E-02	5.5E-01	1.1E-10	4.6E+00	2.5E-06	6.1E-04	7.0E-09	4.7E-02	5.5E-01	1.8E-10

8.9E+00	8.0E-07	6.1E-04	4.3E-09	4.7E-02	5.5E-01	1.1E-10	4.7E+00	2.5E-06	6.1E-04	7.2E-09	4.7E-02	5.5E-01	1.8E-10
8.6E+00	8.0E-07	6.1E-04	4.1E-09	4.7E-02	5.5E-01	1.1E-10	4.8E+00	2.5E-06	6.1E-04	7.3E-09	4.7E-02	5.5E-01	1.9E-10
7.7E+00	8.0E-07	6.1E-04	3.7E-09	4.7E-02	5.5E-01	9.6E-11	4.1E+00	2.5E-06	6.1E-04	6.2E-09	4.7E-02	5.5E-01	1.6E-10
7.6E+00	8.0E-07	6.1E-04	3.7E-09	4.7E-02	5.5E-01	9.4E-11	4.2E+00	2.5E-06	6.1E-04	6.3E-09	4.7E-02	5.5E-01	1.6E-10
7.4E+00	8.0E-07	6.1E-04	3.5E-09	4.7E-02	5.5E-01	9.2E-11	4.2E+00	2.5E-06	6.1E-04	6.4E-09	4.7E-02	5.5E-01	1.7E-10
7.2E+00	8.0E-07	6.1E-04	3.5E-09	4.7E-02	5.5E-01	8.9E-11	3.9E+00	2.5E-06	6.1E-04	6.0E-09	4.7E-02	5.5E-01	1.5E-10
7.1E+00	8.0E-07	6.1E-04	3.4E-09	4.7E-02	5.5E-01	8.8E-11	4.0E+00	2.5E-06	6.1E-04	6.1E-09	4.7E-02	5.5E-01	1.6E-10
6.9E+00	8.0E-07	6.1E-04	3.3E-09	4.7E-02	5.5E-01	8.6E-11	4.1E+00	2.5E-06	6.1E-04	6.2E-09	4.7E-02	5.5E-01	1.6E-10
6.6E+00	8.0E-07	6.1E-04	3.2E-09	4.7E-02	5.5E-01	8.2E-11	4.1E+00	2.5E-06	6.1E-04	6.2E-09	4.7E-02	5.5E-01	1.6E-10
6.3E+00	8.0E-07	6.1E-04	3.0E-09	4.7E-02	5.5E-01	7.8E-11	4.1E+00	2.5E-06	6.1E-04	6.2E-09	4.7E-02	5.5E-01	1.6E-10
6.2E+00	8.0E-07	6.1E-04	3.0E-09	4.7E-02	5.5E-01	7.7E-11	3.5E+00	2.5E-06	6.1E-04	5.3E-09	4.7E-02	5.5E-01	1.4E-10
6.1E+00	8.0E-07	6.1E-04	2.9E-09	4.7E-02	5.5E-01	7.6E-11	3.6E+00	2.5E-06	6.1E-04	5.4E-09	4.7E-02	5.5E-01	1.4E-10
6.0E+00	8.0E-07	6.1E-04	2.9E-09	4.7E-02	5.5E-01	7.5E-11	3.6E+00	2.5E-06	6.1E-04	5.5E-09	4.7E-02	5.5E-01	1.4E-10
5.8E+00	8.0E-07	6.1E-04	2.8E-09	4.7E-02	5.5E-01	7.2E-11	3.7E+00	2.5E-06	6.1E-04	5.6E-09	4.7E-02	5.5E-01	1.4E-10
5.6E+00	8.0E-07	6.1E-04	2.7E-09	4.7E-02	5.5E-01	6.9E-11	3.7E+00	2.5E-06	6.1E-04	5.6E-09	4.7E-02	5.5E-01	1.4E-10
5.4E+00	8.0E-07	6.1E-04	2.6E-09	4.7E-02	5.5E-01	6.7E-11	3.2E+00	2.5E-06	6.1E-04	4.8E-09	4.7E-02	5.5E-01	1.2E-10
5.3E+00	8.0E-07	6.1E-04	2.6E-09	4.7E-02	5.5E-01	6.7E-11	3.2E+00	2.5E-06	6.1E-04	4.9E-09	4.7E-02	5.5E-01	1.3E-10
5.3E+00	8.0E-07	6.1E-04	2.5E-09	4.7E-02	5.5E-01	6.5E-11	3.3E+00	2.5E-06	6.1E-04	5.0E-09	4.7E-02	5.5E-01	1.3E-10
5.1E+00	8.0E-07	6.1E-04	2.5E-09	4.7E-02	5.5E-01	6.4E-11	3.3E+00	2.5E-06	6.1E-04	5.0E-09	4.7E-02	5.5E-01	1.3E-10
5.0E+00	8.0E-07	6.1E-04	2.4E-09	4.7E-02	5.5E-01	6.2E-11	3.3E+00	2.5E-06	6.1E-04	5.0E-09	4.7E-02	5.5E-01	1.3E-10
4.6E+01	8.0E-07	6.1E-04	2.2E-08	4.7E-02	5.5E-01	5.7E-10	1.9E+01	2.5E-06	6.1E-04	2.9E-08	4.7E-02	5.5E-01	7.5E-10
3.7E+01	8.0E-07	6.1E-04	1.8E-08	4.7E-02	5.5E-01	4.6E-10	1.5E+01	2.5E-06	6.1E-04	2.3E-08	4.7E-02	5.5E-01	5.9E-10
2.9E+01	8.0E-07	6.1E-04	1.4E-08	4.7E-02	5.5E-01	3.6E-10	1.5E+01	2.5E-06	6.1E-04	2.2E-08	4.7E-02	5.5E-01	5.7E-10
2.3E+01	8.0E-07	6.1E-04	1.1E-08	4.7E-02	5.5E-01	2.9E-10	1.4E+01	2.5E-06	6.1E-04	2.1E-08	4.7E-02	5.5E-01	5.4E-10
2.9E+01	8.0E-07	6.1E-04	1.4E-08	4.7E-02	5.5E-01	3.6E-10	1.2E+01	2.5E-06	6.1E-04	1.9E-08	4.7E-02	5.5E-01	4.8E-10
2.4E+01	8.0E-07	6.1E-04	1.1E-08	4.7E-02	5.5E-01	2.9E-10	1.2E+01	2.5E-06	6.1E-04	1.8E-08	4.7E-02	5.5E-01	4.7E-10
2.0E+01	8.0E-07	6.1E-04	9.4E-09	4.7E-02	5.5E-01	2.4E-10	1.1E+01	2.5E-06	6.1E-04	1.7E-08	4.7E-02	5.5E-01	4.5E-10

Franklin School Project

Risk From New Building Const - Unmitigated School

Haul Route 1A							Haul Route 2A						
Conc	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
9.9E+00	5.2E-06	6.1E-04	3.1E-08	4.7E-02	5.5E-01	8.0E-10	8.5E-01	5.5E-07	6.1E-04	2.8E-10	4.7E-02	5.5E-01	7.4E-12
9.6E+00	5.2E-06	6.1E-04	3.0E-08	4.7E-02	5.5E-01	7.8E-10	8.3E-01	5.5E-07	6.1E-04	2.8E-10	4.7E-02	5.5E-01	7.2E-12
8.4E+00	5.2E-06	6.1E-04	2.6E-08	4.7E-02	5.5E-01	6.8E-10	8.2E-01	5.5E-07	6.1E-04	2.7E-10	4.7E-02	5.5E-01	7.1E-12
8.2E+00	5.2E-06	6.1E-04	2.6E-08	4.7E-02	5.5E-01	6.6E-10	8.0E-01	5.5E-07	6.1E-04	2.7E-10	4.7E-02	5.5E-01	6.9E-12
7.2E+00	5.2E-06	6.1E-04	2.2E-08	4.7E-02	5.5E-01	5.8E-10	7.8E-01	5.5E-07	6.1E-04	2.6E-10	4.7E-02	5.5E-01	6.8E-12
7.1E+00	5.2E-06	6.1E-04	2.2E-08	4.7E-02	5.5E-01	5.7E-10	7.7E-01	5.5E-07	6.1E-04	2.6E-10	4.7E-02	5.5E-01	6.6E-12
6.2E+00	5.2E-06	6.1E-04	1.9E-08	4.7E-02	5.5E-01	5.0E-10	7.5E-01	5.5E-07	6.1E-04	2.5E-10	4.7E-02	5.5E-01	6.5E-12
6.2E+00	5.2E-06	6.1E-04	1.9E-08	4.7E-02	5.5E-01	5.0E-10	7.4E-01	5.5E-07	6.1E-04	2.5E-10	4.7E-02	5.5E-01	6.4E-12
5.4E+00	5.2E-06	6.1E-04	1.7E-08	4.7E-02	5.5E-01	4.4E-10	7.2E-01	5.5E-07	6.1E-04	2.4E-10	4.7E-02	5.5E-01	6.3E-12
5.4E+00	5.2E-06	6.1E-04	1.7E-08	4.7E-02	5.5E-01	4.4E-10	7.1E-01	5.5E-07	6.1E-04	2.4E-10	4.7E-02	5.5E-01	6.2E-12
4.8E+00	5.2E-06	6.1E-04	1.5E-08	4.7E-02	5.5E-01	3.9E-10	7.0E-01	5.5E-07	6.1E-04	2.3E-10	4.7E-02	5.5E-01	6.0E-12
4.8E+00	5.2E-06	6.1E-04	1.5E-08	4.7E-02	5.5E-01	3.9E-10	6.8E-01	5.5E-07	6.1E-04	2.3E-10	4.7E-02	5.5E-01	5.9E-12
4.3E+00	5.2E-06	6.1E-04	1.3E-08	4.7E-02	5.5E-01	3.4E-10	6.7E-01	5.5E-07	6.1E-04	2.3E-10	4.7E-02	5.5E-01	5.8E-12
4.3E+00	5.2E-06	6.1E-04	1.3E-08	4.7E-02	5.5E-01	3.4E-10	6.6E-01	5.5E-07	6.1E-04	2.2E-10	4.7E-02	5.5E-01	5.7E-12
1.8E+01	5.2E-06	6.1E-04	5.6E-08	4.7E-02	5.5E-01	1.5E-09	1.0E+00	5.5E-07	6.1E-04	3.4E-10	4.7E-02	5.5E-01	8.9E-12
1.8E+01	5.2E-06	6.1E-04	5.7E-08	4.7E-02	5.5E-01	1.5E-09	1.0E+00	5.5E-07	6.1E-04	3.4E-10	4.7E-02	5.5E-01	8.7E-12
1.8E+01	5.2E-06	6.1E-04	5.7E-08	4.7E-02	5.5E-01	1.5E-09	9.8E-01	5.5E-07	6.1E-04	3.3E-10	4.7E-02	5.5E-01	8.5E-12
1.4E+01	5.2E-06	6.1E-04	4.4E-08	4.7E-02	5.5E-01	1.1E-09	9.8E-01	5.5E-07	6.1E-04	3.3E-10	4.7E-02	5.5E-01	8.5E-12
1.4E+01	5.2E-06	6.1E-04	4.5E-08	4.7E-02	5.5E-01	1.2E-09	9.6E-01	5.5E-07	6.1E-04	3.2E-10	4.7E-02	5.5E-01	8.3E-12
1.4E+01	5.2E-06	6.1E-04	4.5E-08	4.7E-02	5.5E-01	1.2E-09	9.4E-01	5.5E-07	6.1E-04	3.1E-10	4.7E-02	5.5E-01	8.1E-12
1.1E+01	5.2E-06	6.1E-04	3.6E-08	4.7E-02	5.5E-01	9.2E-10	9.4E-01	5.5E-07	6.1E-04	3.1E-10	4.7E-02	5.5E-01	8.1E-12
1.2E+01	5.2E-06	6.1E-04	3.7E-08	4.7E-02	5.5E-01	9.4E-10	9.2E-01	5.5E-07	6.1E-04	3.1E-10	4.7E-02	5.5E-01	8.0E-12
1.2E+01	5.2E-06	6.1E-04	3.7E-08	4.7E-02	5.5E-01	9.5E-10	9.0E-01	5.5E-07	6.1E-04	3.0E-10	4.7E-02	5.5E-01	7.8E-12
9.4E+00	5.2E-06	6.1E-04	2.9E-08	4.7E-02	5.5E-01	7.6E-10	9.0E-01	5.5E-07	6.1E-04	3.0E-10	4.7E-02	5.5E-01	7.8E-12
9.7E+00	5.2E-06	6.1E-04	3.0E-08	4.7E-02	5.5E-01	7.8E-10	8.8E-01	5.5E-07	6.1E-04	2.9E-10	4.7E-02	5.5E-01	7.6E-12
9.7E+00	5.2E-06	6.1E-04	3.0E-08	4.7E-02	5.5E-01	7.8E-10	8.6E-01	5.5E-07	6.1E-04	2.9E-10	4.7E-02	5.5E-01	7.5E-12
7.9E+00	5.2E-06	6.1E-04	2.5E-08	4.7E-02	5.5E-01	6.4E-10	8.6E-01	5.5E-07	6.1E-04	2.9E-10	4.7E-02	5.5E-01	7.4E-12
8.1E+00	5.2E-06	6.1E-04	2.5E-08	4.7E-02	5.5E-01	6.5E-10	8.4E-01	5.5E-07	6.1E-04	2.8E-10	4.7E-02	5.5E-01	7.3E-12
8.2E+00	5.2E-06	6.1E-04	2.6E-08	4.7E-02	5.5E-01	6.6E-10	8.3E-01	5.5E-07	6.1E-04	2.8E-10	4.7E-02	5.5E-01	7.2E-12
7.0E+00	5.2E-06	6.1E-04	2.2E-08	4.7E-02	5.5E-01	5.6E-10	8.3E-01	5.5E-07	6.1E-04	2.8E-10	4.7E-02	5.5E-01	7.2E-12
7.1E+00	5.2E-06	6.1E-04	2.2E-08	4.7E-02	5.5E-01	5.7E-10	8.1E-01	5.5E-07	6.1E-04	2.7E-10	4.7E-02	5.5E-01	7.1E-12
7.2E+00	5.2E-06	6.1E-04	2.3E-08	4.7E-02	5.5E-01	5.8E-10	8.0E-01	5.5E-07	6.1E-04	2.7E-10	4.7E-02	5.5E-01	6.9E-12
6.0E+00	5.2E-06	6.1E-04	1.9E-08	4.7E-02	5.5E-01	4.8E-10	7.9E-01	5.5E-07	6.1E-04	2.7E-10	4.7E-02	5.5E-01	6.9E-12
6.1E+00	5.2E-06	6.1E-04	1.9E-08	4.7E-02	5.5E-01	5.0E-10	7.8E-01	5.5E-07	6.1E-04	2.6E-10	4.7E-02	5.5E-01	6.8E-12
6.2E+00	5.2E-06	6.1E-04	1.9E-08	4.7E-02	5.5E-01	5.0E-10	7.7E-01	5.5E-07	6.1E-04	2.6E-10	4.7E-02	5.5E-01	6.7E-12
5.2E+00	5.2E-06	6.1E-04	1.6E-08	4.7E-02	5.5E-01	4.2E-10	7.6E-01	5.5E-07	6.1E-04	2.6E-10	4.7E-02	5.5E-01	6.6E-12
5.4E+00	5.2E-06	6.1E-04	1.7E-08	4.7E-02	5.5E-01	4.3E-10	7.5E-01	5.5E-07	6.1E-04	2.5E-10	4.7E-02	5.5E-01	6.5E-12
5.4E+00	5.2E-06	6.1E-04	1.7E-08	4.7E-02	5.5E-01	4.4E-10	7.4E-01	5.5E-07	6.1E-04	2.5E-10	4.7E-02	5.5E-01	6.4E-12
4.6E+00	5.2E-06	6.1E-04	1.4E-08	4.7E-02	5.5E-01	3.7E-10	7.3E-01	5.5E-07	6.1E-04	2.5E-10	4.7E-02	5.5E-01	6.3E-12

4.7E+00	5.2E-06	6.1E-04	1.5E-08	4.7E-02	5.5E-01	3.8E-10	7.2E-01	5.5E-07	6.1E-04	2.4E-10	4.7E-02	5.5E-01	6.3E-12
4.8E+00	5.2E-06	6.1E-04	1.5E-08	4.7E-02	5.5E-01	3.9E-10	7.1E-01	5.5E-07	6.1E-04	2.4E-10	4.7E-02	5.5E-01	6.2E-12
4.1E+00	5.2E-06	6.1E-04	1.3E-08	4.7E-02	5.5E-01	3.3E-10	7.0E-01	5.5E-07	6.1E-04	2.4E-10	4.7E-02	5.5E-01	6.1E-12
4.2E+00	5.2E-06	6.1E-04	1.3E-08	4.7E-02	5.5E-01	3.4E-10	6.9E-01	5.5E-07	6.1E-04	2.3E-10	4.7E-02	5.5E-01	6.0E-12
4.2E+00	5.2E-06	6.1E-04	1.3E-08	4.7E-02	5.5E-01	3.4E-10	6.8E-01	5.5E-07	6.1E-04	2.3E-10	4.7E-02	5.5E-01	5.9E-12
3.9E+00	5.2E-06	6.1E-04	1.2E-08	4.7E-02	5.5E-01	3.2E-10	6.9E-01	5.5E-07	6.1E-04	2.3E-10	4.7E-02	5.5E-01	6.0E-12
4.0E+00	5.2E-06	6.1E-04	1.2E-08	4.7E-02	5.5E-01	3.2E-10	6.8E-01	5.5E-07	6.1E-04	2.3E-10	4.7E-02	5.5E-01	5.9E-12
4.1E+00	5.2E-06	6.1E-04	1.3E-08	4.7E-02	5.5E-01	3.3E-10	6.7E-01	5.5E-07	6.1E-04	2.2E-10	4.7E-02	5.5E-01	5.8E-12
4.1E+00	5.2E-06	6.1E-04	1.3E-08	4.7E-02	5.5E-01	3.3E-10	6.6E-01	5.5E-07	6.1E-04	2.2E-10	4.7E-02	5.5E-01	5.7E-12
4.1E+00	5.2E-06	6.1E-04	1.3E-08	4.7E-02	5.5E-01	3.3E-10	6.5E-01	5.5E-07	6.1E-04	2.2E-10	4.7E-02	5.5E-01	5.6E-12
3.5E+00	5.2E-06	6.1E-04	1.1E-08	4.7E-02	5.5E-01	2.8E-10	6.6E-01	5.5E-07	6.1E-04	2.2E-10	4.7E-02	5.5E-01	5.8E-12
3.6E+00	5.2E-06	6.1E-04	1.1E-08	4.7E-02	5.5E-01	2.9E-10	6.5E-01	5.5E-07	6.1E-04	2.2E-10	4.7E-02	5.5E-01	5.7E-12
3.6E+00	5.2E-06	6.1E-04	1.1E-08	4.7E-02	5.5E-01	2.9E-10	6.5E-01	5.5E-07	6.1E-04	2.2E-10	4.7E-02	5.5E-01	5.6E-12
3.7E+00	5.2E-06	6.1E-04	1.1E-08	4.7E-02	5.5E-01	2.9E-10	6.4E-01	5.5E-07	6.1E-04	2.1E-10	4.7E-02	5.5E-01	5.5E-12
3.7E+00	5.2E-06	6.1E-04	1.1E-08	4.7E-02	5.5E-01	2.9E-10	6.2E-01	5.5E-07	6.1E-04	2.1E-10	4.7E-02	5.5E-01	5.4E-12
3.2E+00	5.2E-06	6.1E-04	9.9E-09	4.7E-02	5.5E-01	2.5E-10	6.4E-01	5.5E-07	6.1E-04	2.1E-10	4.7E-02	5.5E-01	5.5E-12
3.2E+00	5.2E-06	6.1E-04	1.0E-08	4.7E-02	5.5E-01	2.6E-10	6.3E-01	5.5E-07	6.1E-04	2.1E-10	4.7E-02	5.5E-01	5.5E-12
3.3E+00	5.2E-06	6.1E-04	1.0E-08	4.7E-02	5.5E-01	2.6E-10	6.2E-01	5.5E-07	6.1E-04	2.1E-10	4.7E-02	5.5E-01	5.4E-12
3.3E+00	5.2E-06	6.1E-04	1.0E-08	4.7E-02	5.5E-01	2.7E-10	6.1E-01	5.5E-07	6.1E-04	2.1E-10	4.7E-02	5.5E-01	5.3E-12
3.3E+00	5.2E-06	6.1E-04	1.0E-08	4.7E-02	5.5E-01	2.7E-10	6.0E-01	5.5E-07	6.1E-04	2.0E-10	4.7E-02	5.5E-01	5.2E-12
1.9E+01	5.2E-06	6.1E-04	6.0E-08	4.7E-02	5.5E-01	1.5E-09	9.9E-01	5.5E-07	6.1E-04	3.3E-10	4.7E-02	5.5E-01	8.5E-12
1.5E+01	5.2E-06	6.1E-04	4.7E-08	4.7E-02	5.5E-01	1.2E-09	9.4E-01	5.5E-07	6.1E-04	3.2E-10	4.7E-02	5.5E-01	8.2E-12
1.5E+01	5.2E-06	6.1E-04	4.6E-08	4.7E-02	5.5E-01	1.2E-09	9.2E-01	5.5E-07	6.1E-04	3.1E-10	4.7E-02	5.5E-01	8.0E-12
1.4E+01	5.2E-06	6.1E-04	4.3E-08	4.7E-02	5.5E-01	1.1E-09	9.0E-01	5.5E-07	6.1E-04	3.0E-10	4.7E-02	5.5E-01	7.8E-12
1.2E+01	5.2E-06	6.1E-04	3.8E-08	4.7E-02	5.5E-01	9.8E-10	9.0E-01	5.5E-07	6.1E-04	3.0E-10	4.7E-02	5.5E-01	7.8E-12
1.2E+01	5.2E-06	6.1E-04	3.7E-08	4.7E-02	5.5E-01	9.6E-10	8.8E-01	5.5E-07	6.1E-04	3.0E-10	4.7E-02	5.5E-01	7.7E-12
1.1E+01	5.2E-06	6.1E-04	3.6E-08	4.7E-02	5.5E-01	9.2E-10	8.6E-01	5.5E-07	6.1E-04	2.9E-10	4.7E-02	5.5E-01	7.5E-12

Risk From New Building AC - Unmitigated School

Franklin School Project

Risk From New Building AC - Unmitigated School

	0.05	Max					Onsite		
816	0.02	2.3E-08	2.9E+01	9.9E-04	6.1E-04	1.8E-05	4.7E-02	2.7E-02	2.3E-08
Receptor #	**Total/ Million**	**Total**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
807	0.01	6.6E-09	8.6E+00	9.9E-04	6.1E-04	5.1E-06	4.7E-02	2.7E-02	6.6E-09
808	0.01	7.7E-09	9.9E+00	9.9E-04	6.1E-04	5.9E-06	4.7E-02	2.7E-02	7.7E-09
809	0.01	8.2E-09	1.1E+01	9.9E-04	6.1E-04	6.3E-06	4.7E-02	2.7E-02	8.2E-09
810	0.01	9.6E-09	1.2E+01	9.9E-04	6.1E-04	7.5E-06	4.7E-02	2.7E-02	9.6E-09
811	0.01	1.0E-08	1.3E+01	9.9E-04	6.1E-04	7.9E-06	4.7E-02	2.7E-02	1.0E-08
812	0.01	1.2E-08	1.6E+01	9.9E-04	6.1E-04	9.6E-06	4.7E-02	2.7E-02	1.2E-08
813	0.01	1.3E-08	1.7E+01	9.9E-04	6.1E-04	1.0E-05	4.7E-02	2.7E-02	1.3E-08
814	0.02	1.6E-08	2.1E+01	9.9E-04	6.1E-04	1.3E-05	4.7E-02	2.7E-02	1.6E-08
815	0.02	1.7E-08	2.1E+01	9.9E-04	6.1E-04	1.3E-05	4.7E-02	2.7E-02	1.7E-08
817	0.02	2.1E-08	2.8E+01	9.9E-04	6.1E-04	1.7E-05	4.7E-02	2.7E-02	2.1E-08
818	0.03	3.2E-08	4.1E+01	9.9E-04	6.1E-04	2.4E-05	4.7E-02	2.7E-02	3.2E-08
819	0.03	2.6E-08	3.4E+01	9.9E-04	6.1E-04	2.0E-05	4.7E-02	2.7E-02	2.6E-08
820	0.04	4.4E-08	5.7E+01	9.9E-04	6.1E-04	3.4E-05	4.7E-02	2.7E-02	4.4E-08
821	0.00	3.0E-09	3.9E+00	9.9E-04	6.1E-04	2.3E-06	4.7E-02	2.7E-02	3.0E-09
822	0.00	3.3E-09	4.3E+00	9.9E-04	6.1E-04	2.6E-06	4.7E-02	2.7E-02	3.3E-09
823	0.00	3.6E-09	4.7E+00	9.9E-04	6.1E-04	2.8E-06	4.7E-02	2.7E-02	3.6E-09
824	0.00	3.4E-09	4.4E+00	9.9E-04	6.1E-04	2.6E-06	4.7E-02	2.7E-02	3.4E-09
825	0.00	3.8E-09	4.9E+00	9.9E-04	6.1E-04	2.9E-06	4.7E-02	2.7E-02	3.8E-09
826	0.00	4.2E-09	5.5E+00	9.9E-04	6.1E-04	3.3E-06	4.7E-02	2.7E-02	4.2E-09
827	0.00	3.8E-09	5.0E+00	9.9E-04	6.1E-04	3.0E-06	4.7E-02	2.7E-02	3.8E-09
828	0.00	4.4E-09	5.7E+00	9.9E-04	6.1E-04	3.4E-06	4.7E-02	2.7E-02	4.4E-09
829	0.00	5.0E-09	6.4E+00	9.9E-04	6.1E-04	3.8E-06	4.7E-02	2.7E-02	5.0E-09
830	0.00	4.4E-09	5.6E+00	9.9E-04	6.1E-04	3.4E-06	4.7E-02	2.7E-02	4.4E-09
831	0.01	5.0E-09	6.5E+00	9.9E-04	6.1E-04	3.9E-06	4.7E-02	2.7E-02	5.0E-09
832	0.01	5.9E-09	7.6E+00	9.9E-04	6.1E-04	4.6E-06	4.7E-02	2.7E-02	5.9E-09
833	0.00	5.0E-09	6.4E+00	9.9E-04	6.1E-04	3.8E-06	4.7E-02	2.7E-02	5.0E-09
834	0.01	5.8E-09	7.6E+00	9.9E-04	6.1E-04	4.5E-06	4.7E-02	2.7E-02	5.8E-09
835	0.01	7.0E-09	9.1E+00	9.9E-04	6.1E-04	5.4E-06	4.7E-02	2.7E-02	7.0E-09
836	0.01	5.5E-09	7.1E+00	9.9E-04	6.1E-04	4.3E-06	4.7E-02	2.7E-02	5.5E-09
837	0.01	6.6E-09	8.5E+00	9.9E-04	6.1E-04	5.1E-06	4.7E-02	2.7E-02	6.6E-09
838	0.01	8.1E-09	1.1E+01	9.9E-04	6.1E-04	6.3E-06	4.7E-02	2.7E-02	8.1E-09
839	0.01	6.2E-09	8.1E+00	9.9E-04	6.1E-04	4.8E-06	4.7E-02	2.7E-02	6.2E-09
840	0.01	7.7E-09	9.9E+00	9.9E-04	6.1E-04	5.9E-06	4.7E-02	2.7E-02	7.7E-09
841	0.01	9.8E-09	1.3E+01	9.9E-04	6.1E-04	7.6E-06	4.7E-02	2.7E-02	9.8E-09
842	0.01	7.0E-09	9.1E+00	9.9E-04	6.1E-04	5.4E-06	4.7E-02	2.7E-02	7.0E-09
843	0.01	8.9E-09	1.2E+01	9.9E-04	6.1E-04	6.9E-06	4.7E-02	2.7E-02	8.9E-09
844	0.01	1.2E-08	1.5E+01	9.9E-04	6.1E-04	9.2E-06	4.7E-02	2.7E-02	1.2E-08
845	0.01	7.7E-09	9.9E+00	9.9E-04	6.1E-04	5.9E-06	4.7E-02	2.7E-02	7.7E-09

846	0.01	1.0E-08	1.3E+01	9.9E-04	6.1E-04	7.9E-06	4.7E-02	2.7E-02	1.0E-08
847	0.01	1.4E-08	1.8E+01	9.9E-04	6.1E-04	1.1E-05	4.7E-02	2.7E-02	1.4E-08
848	0.01	8.2E-09	1.1E+01	9.9E-04	6.1E-04	6.4E-06	4.7E-02	2.7E-02	8.2E-09
849	0.01	1.1E-08	1.4E+01	9.9E-04	6.1E-04	8.6E-06	4.7E-02	2.7E-02	1.1E-08
850	0.02	1.6E-08	2.1E+01	9.9E-04	6.1E-04	1.3E-05	4.7E-02	2.7E-02	1.6E-08
851	0.01	9.1E-09	1.2E+01	9.9E-04	6.1E-04	7.1E-06	4.7E-02	2.7E-02	9.1E-09
852	0.01	1.3E-08	1.7E+01	9.9E-04	6.1E-04	9.9E-06	4.7E-02	2.7E-02	1.3E-08
853	0.02	1.9E-08	2.5E+01	9.9E-04	6.1E-04	1.5E-05	4.7E-02	2.7E-02	1.9E-08
854	0.03	3.1E-08	4.0E+01	9.9E-04	6.1E-04	2.4E-05	4.7E-02	2.7E-02	3.1E-08
855	0.04	4.4E-08	5.6E+01	9.9E-04	6.1E-04	3.4E-05	4.7E-02	2.7E-02	4.4E-08
856	0.01	9.4E-09	1.2E+01	9.9E-04	6.1E-04	7.3E-06	4.7E-02	2.7E-02	9.4E-09
857	0.01	1.3E-08	1.7E+01	9.9E-04	6.1E-04	1.0E-05	4.7E-02	2.7E-02	1.3E-08
858	0.02	2.1E-08	2.7E+01	9.9E-04	6.1E-04	1.6E-05	4.7E-02	2.7E-02	2.1E-08
859	0.03	3.4E-08	4.4E+01	9.9E-04	6.1E-04	2.6E-05	4.7E-02	2.7E-02	3.4E-08
860	0.05	4.9E-08	6.4E+01	9.9E-04	6.1E-04	3.8E-05	4.7E-02	2.7E-02	4.9E-08
861	0.01	9.4E-09	1.2E+01	9.9E-04	6.1E-04	7.3E-06	4.7E-02	2.7E-02	9.4E-09
862	0.01	1.3E-08	1.7E+01	9.9E-04	6.1E-04	1.0E-05	4.7E-02	2.7E-02	1.3E-08
863	0.02	2.0E-08	2.6E+01	9.9E-04	6.1E-04	1.5E-05	4.7E-02	2.7E-02	2.0E-08
864	0.03	3.2E-08	4.2E+01	9.9E-04	6.1E-04	2.5E-05	4.7E-02	2.7E-02	3.2E-08
865	0.05	5.5E-08	7.1E+01	9.9E-04	6.1E-04	4.3E-05	4.7E-02	2.7E-02	5.5E-08
866	0.00	3.6E-09	4.7E+00	9.9E-04	6.1E-04	2.8E-06	4.7E-02	2.7E-02	3.6E-09
867	0.00	4.2E-09	5.4E+00	9.9E-04	6.1E-04	3.2E-06	4.7E-02	2.7E-02	4.2E-09
868	0.00	4.7E-09	6.1E+00	9.9E-04	6.1E-04	3.6E-06	4.7E-02	2.7E-02	4.7E-09
869	0.01	5.2E-09	6.7E+00	9.9E-04	6.1E-04	4.0E-06	4.7E-02	2.7E-02	5.2E-09
870	0.00	4.9E-09	6.4E+00	9.9E-04	6.1E-04	3.8E-06	4.7E-02	2.7E-02	4.9E-09
871	0.01	5.6E-09	7.2E+00	9.9E-04	6.1E-04	4.3E-06	4.7E-02	2.7E-02	5.6E-09
872	0.01	6.3E-09	8.2E+00	9.9E-04	6.1E-04	4.9E-06	4.7E-02	2.7E-02	6.3E-09

Risk From New Building Pav - Unmitigated School

Franklin School Project

Risk From New Building Pav - Unmitigated School

0.19	Max

Onsite

Receptor #	Total/ Million	Total	Conc	g/sec	D1	Dose	R1	ED	Risk
807	0.14	1.4E-07	4.1E+01	4.4E-03	6.1E-04	1.1E-04	4.7E-02	2.7E-02	1.4E-07
808	0.16	1.6E-07	4.7E+01	4.4E-03	6.1E-04	1.2E-04	4.7E-02	2.7E-02	1.6E-07
809	0.12	1.2E-07	3.4E+01	4.4E-03	6.1E-04	9.1E-05	4.7E-02	2.7E-02	1.2E-07
810	0.16	1.6E-07	4.6E+01	4.4E-03	6.1E-04	1.2E-04	4.7E-02	2.7E-02	1.6E-07
811	0.14	1.4E-07	4.2E+01	4.4E-03	6.1E-04	1.1E-04	4.7E-02	2.7E-02	1.4E-07
812	0.19	1.9E-07	5.6E+01	4.4E-03	6.1E-04	1.5E-04	4.7E-02	2.7E-02	1.9E-07
813	0.15	1.5E-07	4.4E+01	4.4E-03	6.1E-04	1.2E-04	4.7E-02	2.7E-02	1.5E-07
814	0.19	1.9E-07	5.4E+01	4.4E-03	6.1E-04	1.4E-04	4.7E-02	2.7E-02	1.9E-07
815	0.15	1.5E-07	4.3E+01	4.4E-03	6.1E-04	1.1E-04	4.7E-02	2.7E-02	1.5E-07
816	0.18	1.8E-07	5.4E+01	4.4E-03	6.1E-04	1.4E-04	4.7E-02	2.7E-02	1.8E-07
817	0.13	1.3E-07	3.9E+01	4.4E-03	6.1E-04	1.0E-04	4.7E-02	2.7E-02	1.3E-07
818	0.18	1.8E-07	5.4E+01	4.4E-03	6.1E-04	1.4E-04	4.7E-02	2.7E-02	1.8E-07
819	0.13	1.3E-07	3.7E+01	4.4E-03	6.1E-04	9.8E-05	4.7E-02	2.7E-02	1.3E-07
820	0.17	1.7E-07	4.9E+01	4.4E-03	6.1E-04	1.3E-04	4.7E-02	2.7E-02	1.7E-07
821	0.04	3.7E-08	1.1E+01	4.4E-03	6.1E-04	2.9E-05	4.7E-02	2.7E-02	3.7E-08
822	0.05	4.7E-08	1.4E+01	4.4E-03	6.1E-04	3.6E-05	4.7E-02	2.7E-02	4.7E-08
823	0.06	6.1E-08	1.8E+01	4.4E-03	6.1E-04	4.7E-05	4.7E-02	2.7E-02	6.1E-08
824	0.04	4.4E-08	1.3E+01	4.4E-03	6.1E-04	3.4E-05	4.7E-02	2.7E-02	4.4E-08
825	0.06	5.9E-08	1.7E+01	4.4E-03	6.1E-04	4.6E-05	4.7E-02	2.7E-02	5.9E-08
826	0.08	8.2E-08	2.4E+01	4.4E-03	6.1E-04	6.3E-05	4.7E-02	2.7E-02	8.2E-08
827	0.05	5.3E-08	1.6E+01	4.4E-03	6.1E-04	4.1E-05	4.7E-02	2.7E-02	5.3E-08
828	0.08	7.7E-08	2.3E+01	4.4E-03	6.1E-04	6.0E-05	4.7E-02	2.7E-02	7.7E-08
829	0.09	9.1E-08	2.7E+01	4.4E-03	6.1E-04	7.0E-05	4.7E-02	2.7E-02	9.1E-08
830	0.06	6.1E-08	1.8E+01	4.4E-03	6.1E-04	4.7E-05	4.7E-02	2.7E-02	6.1E-08
831	0.09	9.4E-08	2.7E+01	4.4E-03	6.1E-04	7.2E-05	4.7E-02	2.7E-02	9.4E-08
832	0.10	9.6E-08	2.8E+01	4.4E-03	6.1E-04	7.4E-05	4.7E-02	2.7E-02	9.6E-08
833	0.07	6.6E-08	2.0E+01	4.4E-03	6.1E-04	5.1E-05	4.7E-02	2.7E-02	6.6E-08
834	0.10	1.0E-07	3.0E+01	4.4E-03	6.1E-04	7.9E-05	4.7E-02	2.7E-02	1.0E-07
835	0.09	9.3E-08	2.7E+01	4.4E-03	6.1E-04	7.2E-05	4.7E-02	2.7E-02	9.3E-08
836	0.07	6.9E-08	2.0E+01	4.4E-03	6.1E-04	5.3E-05	4.7E-02	2.7E-02	6.9E-08
837	0.10	1.0E-07	3.0E+01	4.4E-03	6.1E-04	7.9E-05	4.7E-02	2.7E-02	1.0E-07
838	0.11	1.1E-07	3.3E+01	4.4E-03	6.1E-04	8.8E-05	4.7E-02	2.7E-02	1.1E-07
839	0.07	7.0E-08	2.1E+01	4.4E-03	6.1E-04	5.5E-05	4.7E-02	2.7E-02	7.0E-08
840	0.10	1.0E-07	3.1E+01	4.4E-03	6.1E-04	8.1E-05	4.7E-02	2.7E-02	1.0E-07
841	0.12	1.2E-07	3.5E+01	4.4E-03	6.1E-04	9.2E-05	4.7E-02	2.7E-02	1.2E-07
842	0.07	7.1E-08	2.1E+01	4.4E-03	6.1E-04	5.5E-05	4.7E-02	2.7E-02	7.1E-08
843	0.09	9.1E-08	2.7E+01	4.4E-03	6.1E-04	7.0E-05	4.7E-02	2.7E-02	9.1E-08
844	0.12	1.2E-07	3.4E+01	4.4E-03	6.1E-04	9.0E-05	4.7E-02	2.7E-02	1.2E-07
845	0.07	6.7E-08	2.0E+01	4.4E-03	6.1E-04	5.2E-05	4.7E-02	2.7E-02	6.7E-08

846	0.10	1.0E-07	3.1E+01	4.4E-03	6.1E-04	8.1E-05	4.7E-02	2.7E-02	1.0E-07
847	0.11	1.1E-07	3.2E+01	4.4E-03	6.1E-04	8.3E-05	4.7E-02	2.7E-02	1.1E-07
848	0.06	6.0E-08	1.8E+01	4.4E-03	6.1E-04	4.6E-05	4.7E-02	2.7E-02	6.0E-08
849	0.09	8.8E-08	2.6E+01	4.4E-03	6.1E-04	6.8E-05	4.7E-02	2.7E-02	8.8E-08
850	0.11	1.1E-07	3.1E+01	4.4E-03	6.1E-04	8.1E-05	4.7E-02	2.7E-02	1.1E-07
851	0.06	6.3E-08	1.9E+01	4.4E-03	6.1E-04	4.9E-05	4.7E-02	2.7E-02	6.3E-08
852	0.09	9.1E-08	2.7E+01	4.4E-03	6.1E-04	7.1E-05	4.7E-02	2.7E-02	9.1E-08
853	0.11	1.1E-07	3.1E+01	4.4E-03	6.1E-04	8.3E-05	4.7E-02	2.7E-02	1.1E-07
854	0.15	1.5E-07	4.3E+01	4.4E-03	6.1E-04	1.1E-04	4.7E-02	2.7E-02	1.5E-07
855	0.14	1.4E-07	4.0E+01	4.4E-03	6.1E-04	1.0E-04	4.7E-02	2.7E-02	1.4E-07
856	0.05	5.4E-08	1.6E+01	4.4E-03	6.1E-04	4.2E-05	4.7E-02	2.7E-02	5.4E-08
857	0.07	7.3E-08	2.1E+01	4.4E-03	6.1E-04	5.6E-05	4.7E-02	2.7E-02	7.3E-08
858	0.10	9.9E-08	2.9E+01	4.4E-03	6.1E-04	7.7E-05	4.7E-02	2.7E-02	9.9E-08
859	0.14	1.4E-07	4.0E+01	4.4E-03	6.1E-04	1.1E-04	4.7E-02	2.7E-02	1.4E-07
860	0.12	1.2E-07	3.7E+01	4.4E-03	6.1E-04	9.6E-05	4.7E-02	2.7E-02	1.2E-07
861	0.05	4.6E-08	1.4E+01	4.4E-03	6.1E-04	3.6E-05	4.7E-02	2.7E-02	4.6E-08
862	0.06	6.0E-08	1.8E+01	4.4E-03	6.1E-04	4.7E-05	4.7E-02	2.7E-02	6.0E-08
863	0.08	8.0E-08	2.4E+01	4.4E-03	6.1E-04	6.2E-05	4.7E-02	2.7E-02	8.0E-08
864	0.11	1.1E-07	3.3E+01	4.4E-03	6.1E-04	8.6E-05	4.7E-02	2.7E-02	1.1E-07
865	0.11	1.1E-07	3.2E+01	4.4E-03	6.1E-04	8.5E-05	4.7E-02	2.7E-02	1.1E-07
866	0.06	6.1E-08	1.8E+01	4.4E-03	6.1E-04	4.7E-05	4.7E-02	2.7E-02	6.1E-08
867	0.08	8.2E-08	2.4E+01	4.4E-03	6.1E-04	6.3E-05	4.7E-02	2.7E-02	8.2E-08
868	0.11	1.1E-07	3.3E+01	4.4E-03	6.1E-04	8.6E-05	4.7E-02	2.7E-02	1.1E-07
869	0.12	1.2E-07	3.7E+01	4.4E-03	6.1E-04	9.7E-05	4.7E-02	2.7E-02	1.2E-07
870	0.09	9.3E-08	2.7E+01	4.4E-03	6.1E-04	7.2E-05	4.7E-02	2.7E-02	9.3E-08
871	0.10	9.5E-08	2.8E+01	4.4E-03	6.1E-04	7.4E-05	4.7E-02	2.7E-02	9.5E-08
872	0.13	1.3E-07	3.9E+01	4.4E-03	6.1E-04	1.0E-04	4.7E-02	2.7E-02	1.3E-07

Risk From New Building Demo (Port. 2) - Unmitigated School

Franklin School Project

Risk From New Building Demo (Port. 2) - Unmitigated School

0.07	Max

			Onsite						
Receptor #	**Total/ Million**	**Total**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
807	0.04	3.9E-08	2.9E+01	8.6E-03	6.1E-04	1.5E-04	4.7E-02	5.5E-03	3.9E-08
808	0.04	4.4E-08	3.3E+01	8.6E-03	6.1E-04	1.7E-04	4.7E-02	5.5E-03	4.4E-08
809	0.04	4.4E-08	3.2E+01	8.6E-03	6.1E-04	1.7E-04	4.7E-02	5.5E-03	4.4E-08
810	0.05	4.7E-08	3.5E+01	8.6E-03	6.1E-04	1.8E-04	4.7E-02	5.5E-03	4.7E-08
811	0.04	4.5E-08	3.3E+01	8.6E-03	6.1E-04	1.7E-04	4.7E-02	5.5E-03	4.5E-08
812	0.06	5.7E-08	4.2E+01	8.6E-03	6.1E-04	2.2E-04	4.7E-02	5.5E-03	5.7E-08
813	0.05	4.6E-08	3.4E+01	8.6E-03	6.1E-04	1.8E-04	4.7E-02	5.5E-03	4.6E-08
814	0.06	6.1E-08	4.6E+01	8.6E-03	6.1E-04	2.4E-04	4.7E-02	5.5E-03	6.1E-08
815	0.05	4.8E-08	3.6E+01	8.6E-03	6.1E-04	1.9E-04	4.7E-02	5.5E-03	4.8E-08
816	0.05	5.3E-08	4.0E+01	8.6E-03	6.1E-04	2.1E-04	4.7E-02	5.5E-03	5.3E-08
817	0.05	5.0E-08	3.7E+01	8.6E-03	6.1E-04	1.9E-04	4.7E-02	5.5E-03	5.0E-08
818	0.05	5.4E-08	4.0E+01	8.6E-03	6.1E-04	2.1E-04	4.7E-02	5.5E-03	5.4E-08
819	0.05	4.8E-08	3.6E+01	8.6E-03	6.1E-04	1.9E-04	4.7E-02	5.5E-03	4.8E-08
820	0.07	6.5E-08	4.8E+01	8.6E-03	6.1E-04	2.5E-04	4.7E-02	5.5E-03	6.5E-08
821	0.01	1.1E-08	7.9E+00	8.6E-03	6.1E-04	4.1E-05	4.7E-02	5.5E-03	1.1E-08
822	0.01	1.3E-08	9.7E+00	8.6E-03	6.1E-04	5.0E-05	4.7E-02	5.5E-03	1.3E-08
823	0.02	1.7E-08	1.3E+01	8.6E-03	6.1E-04	6.5E-05	4.7E-02	5.5E-03	1.7E-08
824	0.01	1.2E-08	8.7E+00	8.6E-03	6.1E-04	4.5E-05	4.7E-02	5.5E-03	1.2E-08
825	0.01	1.5E-08	1.1E+01	8.6E-03	6.1E-04	5.8E-05	4.7E-02	5.5E-03	1.5E-08
826	0.02	2.0E-08	1.5E+01	8.6E-03	6.1E-04	7.7E-05	4.7E-02	5.5E-03	2.0E-08
827	0.01	1.3E-08	9.6E+00	8.6E-03	6.1E-04	5.0E-05	4.7E-02	5.5E-03	1.3E-08
828	0.02	1.7E-08	1.3E+01	8.6E-03	6.1E-04	6.5E-05	4.7E-02	5.5E-03	1.7E-08
829	0.02	2.3E-08	1.7E+01	8.6E-03	6.1E-04	8.9E-05	4.7E-02	5.5E-03	2.3E-08
830	0.01	1.4E-08	1.0E+01	8.6E-03	6.1E-04	5.4E-05	4.7E-02	5.5E-03	1.4E-08
831	0.02	1.8E-08	1.4E+01	8.6E-03	6.1E-04	7.1E-05	4.7E-02	5.5E-03	1.8E-08
832	0.03	2.6E-08	1.9E+01	8.6E-03	6.1E-04	1.0E-04	4.7E-02	5.5E-03	2.6E-08
833	0.01	1.5E-08	1.1E+01	8.6E-03	6.1E-04	5.7E-05	4.7E-02	5.5E-03	1.5E-08
834	0.02	1.9E-08	1.5E+01	8.6E-03	6.1E-04	7.5E-05	4.7E-02	5.5E-03	1.9E-08
835	0.03	2.8E-08	2.1E+01	8.6E-03	6.1E-04	1.1E-04	4.7E-02	5.5E-03	2.8E-08
836	0.02	1.5E-08	1.1E+01	8.6E-03	6.1E-04	5.9E-05	4.7E-02	5.5E-03	1.5E-08
837	0.02	2.0E-08	1.5E+01	8.6E-03	6.1E-04	7.8E-05	4.7E-02	5.5E-03	2.0E-08
838	0.03	2.9E-08	2.1E+01	8.6E-03	6.1E-04	1.1E-04	4.7E-02	5.5E-03	2.9E-08
839	0.02	1.6E-08	1.2E+01	8.6E-03	6.1E-04	6.1E-05	4.7E-02	5.5E-03	1.6E-08
840	0.02	2.1E-08	1.6E+01	8.6E-03	6.1E-04	8.1E-05	4.7E-02	5.5E-03	2.1E-08
841	0.03	3.0E-08	2.2E+01	8.6E-03	6.1E-04	1.1E-04	4.7E-02	5.5E-03	3.0E-08
842	0.02	1.6E-08	1.2E+01	8.6E-03	6.1E-04	6.2E-05	4.7E-02	5.5E-03	1.6E-08
843	0.02	2.1E-08	1.6E+01	8.6E-03	6.1E-04	8.3E-05	4.7E-02	5.5E-03	2.1E-08
844	0.03	3.0E-08	2.3E+01	8.6E-03	6.1E-04	1.2E-04	4.7E-02	5.5E-03	3.0E-08
845	0.02	1.6E-08	1.2E+01	8.6E-03	6.1E-04	6.1E-05	4.7E-02	5.5E-03	1.6E-08

846	0.02	2.1E-08	1.6E+01	8.6E-03	6.1E-04	8.3E-05	4.7E-02	5.5E-03	2.1E-08
847	0.03	3.1E-08	2.3E+01	8.6E-03	6.1E-04	1.2E-04	4.7E-02	5.5E-03	3.1E-08
848	0.02	1.5E-08	1.1E+01	8.6E-03	6.1E-04	6.0E-05	4.7E-02	5.5E-03	1.5E-08
849	0.02	2.1E-08	1.6E+01	8.6E-03	6.1E-04	8.1E-05	4.7E-02	5.5E-03	2.1E-08
850	0.03	3.0E-08	2.3E+01	8.6E-03	6.1E-04	1.2E-04	4.7E-02	5.5E-03	3.0E-08
851	0.02	1.7E-08	1.2E+01	8.6E-03	6.1E-04	6.4E-05	4.7E-02	5.5E-03	1.7E-08
852	0.02	2.3E-08	1.7E+01	8.6E-03	6.1E-04	8.9E-05	4.7E-02	5.5E-03	2.3E-08
853	0.03	3.4E-08	2.5E+01	8.6E-03	6.1E-04	1.3E-04	4.7E-02	5.5E-03	3.4E-08
854	0.05	5.1E-08	3.8E+01	8.6E-03	6.1E-04	2.0E-04	4.7E-02	5.5E-03	5.1E-08
855	0.05	5.3E-08	3.9E+01	8.6E-03	6.1E-04	2.1E-04	4.7E-02	5.5E-03	5.3E-08
856	0.02	1.6E-08	1.2E+01	8.6E-03	6.1E-04	6.1E-05	4.7E-02	5.5E-03	1.6E-08
857	0.02	2.2E-08	1.6E+01	8.6E-03	6.1E-04	8.4E-05	4.7E-02	5.5E-03	2.2E-08
858	0.03	3.2E-08	2.4E+01	8.6E-03	6.1E-04	1.2E-04	4.7E-02	5.5E-03	3.2E-08
859	0.05	5.0E-08	3.7E+01	8.6E-03	6.1E-04	1.9E-04	4.7E-02	5.5E-03	5.0E-08
860	0.05	4.6E-08	3.5E+01	8.6E-03	6.1E-04	1.8E-04	4.7E-02	5.5E-03	4.6E-08
861	0.01	1.5E-08	1.1E+01	8.6E-03	6.1E-04	5.7E-05	4.7E-02	5.5E-03	1.5E-08
862	0.02	2.0E-08	1.5E+01	8.6E-03	6.1E-04	7.7E-05	4.7E-02	5.5E-03	2.0E-08
863	0.03	2.9E-08	2.1E+01	8.6E-03	6.1E-04	1.1E-04	4.7E-02	5.5E-03	2.9E-08
864	0.04	4.3E-08	3.2E+01	8.6E-03	6.1E-04	1.7E-04	4.7E-02	5.5E-03	4.3E-08
865	0.04	4.4E-08	3.3E+01	8.6E-03	6.1E-04	1.7E-04	4.7E-02	5.5E-03	4.4E-08
866	0.02	1.7E-08	1.3E+01	8.6E-03	6.1E-04	6.7E-05	4.7E-02	5.5E-03	1.7E-08
867	0.02	2.0E-08	1.5E+01	8.6E-03	6.1E-04	7.9E-05	4.7E-02	5.5E-03	2.0E-08
868	0.03	2.9E-08	2.1E+01	8.6E-03	6.1E-04	1.1E-04	4.7E-02	5.5E-03	2.9E-08
869	0.04	4.2E-08	3.2E+01	8.6E-03	6.1E-04	1.6E-04	4.7E-02	5.5E-03	4.2E-08
870	0.02	2.4E-08	1.8E+01	8.6E-03	6.1E-04	9.3E-05	4.7E-02	5.5E-03	2.4E-08
871	0.03	3.5E-08	2.6E+01	8.6E-03	6.1E-04	1.3E-04	4.7E-02	5.5E-03	3.5E-08
872	0.05	4.7E-08	3.5E+01	8.6E-03	6.1E-04	1.8E-04	4.7E-02	5.5E-03	4.7E-08

Franklin School Project

Risk From New Building Demo (Port. 2) - Unmitigated School

Haul Route 1A							Haul Route 2A						
Conc	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
2.0E+01	1.9E-07	6.1E-04	2.3E-09	4.7E-02	5.5E-03	5.8E-13	9.9E+00	6.0E-07	6.1E-04	3.6E-09	4.7E-02	5.5E-03	9.3E-13
1.7E+01	1.9E-07	6.1E-04	1.9E-09	4.7E-02	5.5E-03	5.0E-13	9.6E+00	6.0E-07	6.1E-04	3.5E-09	4.7E-02	5.5E-03	9.0E-13
1.6E+01	1.9E-07	6.1E-04	1.9E-09	4.7E-02	5.5E-03	4.8E-13	8.4E+00	6.0E-07	6.1E-04	3.0E-09	4.7E-02	5.5E-03	7.9E-13
1.4E+01	1.9E-07	6.1E-04	1.6E-09	4.7E-02	5.5E-03	4.2E-13	8.2E+00	6.0E-07	6.1E-04	3.0E-09	4.7E-02	5.5E-03	7.7E-13
1.3E+01	1.9E-07	6.1E-04	1.5E-09	4.7E-02	5.5E-03	4.0E-13	7.2E+00	6.0E-07	6.1E-04	2.6E-09	4.7E-02	5.5E-03	6.7E-13
1.2E+01	1.9E-07	6.1E-04	1.4E-09	4.7E-02	5.5E-03	3.6E-13	7.1E+00	6.0E-07	6.1E-04	2.6E-09	4.7E-02	5.5E-03	6.6E-13
1.1E+01	1.9E-07	6.1E-04	1.3E-09	4.7E-02	5.5E-03	3.3E-13	6.2E+00	6.0E-07	6.1E-04	2.3E-09	4.7E-02	5.5E-03	5.8E-13
1.0E+01	1.9E-07	6.1E-04	1.2E-09	4.7E-02	5.5E-03	3.1E-13	6.2E+00	6.0E-07	6.1E-04	2.2E-09	4.7E-02	5.5E-03	5.8E-13
9.5E+00	1.9E-07	6.1E-04	1.1E-09	4.7E-02	5.5E-03	2.8E-13	5.4E+00	6.0E-07	6.1E-04	2.0E-09	4.7E-02	5.5E-03	5.1E-13
8.8E+00	1.9E-07	6.1E-04	1.0E-09	4.7E-02	5.5E-03	2.6E-13	5.4E+00	6.0E-07	6.1E-04	2.0E-09	4.7E-02	5.5E-03	5.1E-13
8.2E+00	1.9E-07	6.1E-04	9.4E-10	4.7E-02	5.5E-03	2.4E-13	4.8E+00	6.0E-07	6.1E-04	1.7E-09	4.7E-02	5.5E-03	4.5E-13
7.7E+00	1.9E-07	6.1E-04	8.8E-10	4.7E-02	5.5E-03	2.3E-13	4.8E+00	6.0E-07	6.1E-04	1.7E-09	4.7E-02	5.5E-03	4.5E-13
7.1E+00	1.9E-07	6.1E-04	8.1E-10	4.7E-02	5.5E-03	2.1E-13	4.3E+00	6.0E-07	6.1E-04	1.6E-09	4.7E-02	5.5E-03	4.0E-13
6.7E+00	1.9E-07	6.1E-04	7.7E-10	4.7E-02	5.5E-03	2.0E-13	4.3E+00	6.0E-07	6.1E-04	1.5E-09	4.7E-02	5.5E-03	4.0E-13
3.2E+01	1.9E-07	6.1E-04	3.7E-09	4.7E-02	5.5E-03	9.5E-13	1.8E+01	6.0E-07	6.1E-04	6.5E-09	4.7E-02	5.5E-03	1.7E-12
6.9E+01	1.9E-07	6.1E-04	8.0E-09	4.7E-02	5.5E-03	2.1E-12	1.8E+01	6.0E-07	6.1E-04	6.7E-09	4.7E-02	5.5E-03	1.7E-12
4.7E+01	1.9E-07	6.1E-04	5.4E-09	4.7E-02	5.5E-03	1.4E-12	1.8E+01	6.0E-07	6.1E-04	6.6E-09	4.7E-02	5.5E-03	1.7E-12
2.2E+01	1.9E-07	6.1E-04	2.5E-09	4.7E-02	5.5E-03	6.5E-13	1.4E+01	6.0E-07	6.1E-04	5.1E-09	4.7E-02	5.5E-03	1.3E-12
5.0E+01	1.9E-07	6.1E-04	5.8E-09	4.7E-02	5.5E-03	1.5E-12	1.4E+01	6.0E-07	6.1E-04	5.3E-09	4.7E-02	5.5E-03	1.4E-12
3.7E+01	1.9E-07	6.1E-04	4.3E-09	4.7E-02	5.5E-03	1.1E-12	1.4E+01	6.0E-07	6.1E-04	5.3E-09	4.7E-02	5.5E-03	1.4E-12
4.4E+01	1.9E-07	6.1E-04	5.1E-09	4.7E-02	5.5E-03	1.3E-12	1.1E+01	6.0E-07	6.1E-04	4.1E-09	4.7E-02	5.5E-03	1.1E-12
3.6E+01	1.9E-07	6.1E-04	4.1E-09	4.7E-02	5.5E-03	1.1E-12	1.2E+01	6.0E-07	6.1E-04	4.3E-09	4.7E-02	5.5E-03	1.1E-12
2.9E+01	1.9E-07	6.1E-04	3.3E-09	4.7E-02	5.5E-03	8.5E-13	1.2E+01	6.0E-07	6.1E-04	4.3E-09	4.7E-02	5.5E-03	1.1E-12
3.0E+01	1.9E-07	6.1E-04	3.5E-09	4.7E-02	5.5E-03	8.9E-13	9.4E+00	6.0E-07	6.1E-04	3.4E-09	4.7E-02	5.5E-03	8.8E-13
2.6E+01	1.9E-07	6.1E-04	3.0E-09	4.7E-02	5.5E-03	7.8E-13	9.7E+00	6.0E-07	6.1E-04	3.5E-09	4.7E-02	5.5E-03	9.1E-13
2.2E+01	1.9E-07	6.1E-04	2.6E-09	4.7E-02	5.5E-03	6.6E-13	9.7E+00	6.0E-07	6.1E-04	3.5E-09	4.7E-02	5.5E-03	9.1E-13
2.2E+01	1.9E-07	6.1E-04	2.5E-09	4.7E-02	5.5E-03	6.4E-13	7.9E+00	6.0E-07	6.1E-04	2.9E-09	4.7E-02	5.5E-03	7.4E-13
2.0E+01	1.9E-07	6.1E-04	2.3E-09	4.7E-02	5.5E-03	5.9E-13	8.1E+00	6.0E-07	6.1E-04	2.9E-09	4.7E-02	5.5E-03	7.6E-13
1.8E+01	1.9E-07	6.1E-04	2.0E-09	4.7E-02	5.5E-03	5.3E-13	8.2E+00	6.0E-07	6.1E-04	3.0E-09	4.7E-02	5.5E-03	7.7E-13
1.7E+01	1.9E-07	6.1E-04	2.0E-09	4.7E-02	5.5E-03	5.1E-13	7.0E+00	6.0E-07	6.1E-04	2.5E-09	4.7E-02	5.5E-03	6.5E-13
1.6E+01	1.9E-07	6.1E-04	1.9E-09	4.7E-02	5.5E-03	4.8E-13	7.1E+00	6.0E-07	6.1E-04	2.6E-09	4.7E-02	5.5E-03	6.7E-13
1.5E+01	1.9E-07	6.1E-04	1.7E-09	4.7E-02	5.5E-03	4.4E-13	7.2E+00	6.0E-07	6.1E-04	2.6E-09	4.7E-02	5.5E-03	6.8E-13
1.4E+01	1.9E-07	6.1E-04	1.6E-09	4.7E-02	5.5E-03	4.1E-13	6.0E+00	6.0E-07	6.1E-04	2.2E-09	4.7E-02	5.5E-03	5.6E-13
1.3E+01	1.9E-07	6.1E-04	1.5E-09	4.7E-02	5.5E-03	3.9E-13	6.1E+00	6.0E-07	6.1E-04	2.2E-09	4.7E-02	5.5E-03	5.8E-13
1.2E+01	1.9E-07	6.1E-04	1.4E-09	4.7E-02	5.5E-03	3.6E-13	6.2E+00	6.0E-07	6.1E-04	2.3E-09	4.7E-02	5.5E-03	5.8E-13
1.1E+01	1.9E-07	6.1E-04	1.3E-09	4.7E-02	5.5E-03	3.3E-13	5.2E+00	6.0E-07	6.1E-04	1.9E-09	4.7E-02	5.5E-03	4.9E-13
1.1E+01	1.9E-07	6.1E-04	1.2E-09	4.7E-02	5.5E-03	3.2E-13	5.4E+00	6.0E-07	6.1E-04	1.9E-09	4.7E-02	5.5E-03	5.0E-13
1.0E+01	1.9E-07	6.1E-04	1.2E-09	4.7E-02	5.5E-03	3.0E-13	5.4E+00	6.0E-07	6.1E-04	2.0E-09	4.7E-02	5.5E-03	5.1E-13
9.1E+00	1.9E-07	6.1E-04	1.0E-09	4.7E-02	5.5E-03	2.7E-13	4.6E+00	6.0E-07	6.1E-04	1.7E-09	4.7E-02	5.5E-03	4.3E-13

8.9E+00	1.9E-07	6.1E-04	1.0E-09	4.7E-02	5.5E-03	2.7E-13	4.7E+00	6.0E-07	6.1E-04	1.7E-09	4.7E-02	5.5E-03	4.4E-13
8.6E+00	1.9E-07	6.1E-04	9.9E-10	4.7E-02	5.5E-03	2.6E-13	4.8E+00	6.0E-07	6.1E-04	1.7E-09	4.7E-02	5.5E-03	4.5E-13
7.7E+00	1.9E-07	6.1E-04	8.8E-10	4.7E-02	5.5E-03	2.3E-13	4.1E+00	6.0E-07	6.1E-04	1.5E-09	4.7E-02	5.5E-03	3.8E-13
7.6E+00	1.9E-07	6.1E-04	8.7E-10	4.7E-02	5.5E-03	2.3E-13	4.2E+00	6.0E-07	6.1E-04	1.5E-09	4.7E-02	5.5E-03	3.9E-13
7.4E+00	1.9E-07	6.1E-04	8.5E-10	4.7E-02	5.5E-03	2.2E-13	4.2E+00	6.0E-07	6.1E-04	1.5E-09	4.7E-02	5.5E-03	4.0E-13
7.2E+00	1.9E-07	6.1E-04	8.3E-10	4.7E-02	5.5E-03	2.1E-13	3.9E+00	6.0E-07	6.1E-04	1.4E-09	4.7E-02	5.5E-03	3.7E-13
7.1E+00	1.9E-07	6.1E-04	8.1E-10	4.7E-02	5.5E-03	2.1E-13	4.0E+00	6.0E-07	6.1E-04	1.5E-09	4.7E-02	5.5E-03	3.8E-13
6.9E+00	1.9E-07	6.1E-04	7.9E-10	4.7E-02	5.5E-03	2.0E-13	4.1E+00	6.0E-07	6.1E-04	1.5E-09	4.7E-02	5.5E-03	3.8E-13
6.6E+00	1.9E-07	6.1E-04	7.6E-10	4.7E-02	5.5E-03	2.0E-13	4.1E+00	6.0E-07	6.1E-04	1.5E-09	4.7E-02	5.5E-03	3.8E-13
6.3E+00	1.9E-07	6.1E-04	7.3E-10	4.7E-02	5.5E-03	1.9E-13	4.1E+00	6.0E-07	6.1E-04	1.5E-09	4.7E-02	5.5E-03	3.8E-13
6.2E+00	1.9E-07	6.1E-04	7.1E-10	4.7E-02	5.5E-03	1.8E-13	3.5E+00	6.0E-07	6.1E-04	1.3E-09	4.7E-02	5.5E-03	3.3E-13
6.1E+00	1.9E-07	6.1E-04	7.0E-10	4.7E-02	5.5E-03	1.8E-13	3.6E+00	6.0E-07	6.1E-04	1.3E-09	4.7E-02	5.5E-03	3.4E-13
6.0E+00	1.9E-07	6.1E-04	6.9E-10	4.7E-02	5.5E-03	1.8E-13	3.6E+00	6.0E-07	6.1E-04	1.3E-09	4.7E-02	5.5E-03	3.4E-13
5.8E+00	1.9E-07	6.1E-04	6.7E-10	4.7E-02	5.5E-03	1.7E-13	3.7E+00	6.0E-07	6.1E-04	1.3E-09	4.7E-02	5.5E-03	3.4E-13
5.6E+00	1.9E-07	6.1E-04	6.4E-10	4.7E-02	5.5E-03	1.7E-13	3.7E+00	6.0E-07	6.1E-04	1.3E-09	4.7E-02	5.5E-03	3.4E-13
5.4E+00	1.9E-07	6.1E-04	6.2E-10	4.7E-02	5.5E-03	1.6E-13	3.2E+00	6.0E-07	6.1E-04	1.1E-09	4.7E-02	5.5E-03	3.0E-13
5.3E+00	1.9E-07	6.1E-04	6.2E-10	4.7E-02	5.5E-03	1.6E-13	3.2E+00	6.0E-07	6.1E-04	1.2E-09	4.7E-02	5.5E-03	3.0E-13
5.3E+00	1.9E-07	6.1E-04	6.1E-10	4.7E-02	5.5E-03	1.6E-13	3.3E+00	6.0E-07	6.1E-04	1.2E-09	4.7E-02	5.5E-03	3.1E-13
5.1E+00	1.9E-07	6.1E-04	5.9E-10	4.7E-02	5.5E-03	1.5E-13	3.3E+00	6.0E-07	6.1E-04	1.2E-09	4.7E-02	5.5E-03	3.1E-13
5.0E+00	1.9E-07	6.1E-04	5.7E-10	4.7E-02	5.5E-03	1.5E-13	3.3E+00	6.0E-07	6.1E-04	1.2E-09	4.7E-02	5.5E-03	3.1E-13
4.6E+01	1.9E-07	6.1E-04	5.2E-09	4.7E-02	5.5E-03	1.4E-12	1.9E+01	6.0E-07	6.1E-04	6.9E-09	4.7E-02	5.5E-03	1.8E-12
3.7E+01	1.9E-07	6.1E-04	4.2E-09	4.7E-02	5.5E-03	1.1E-12	1.5E+01	6.0E-07	6.1E-04	5.5E-09	4.7E-02	5.5E-03	1.4E-12
2.9E+01	1.9E-07	6.1E-04	3.3E-09	4.7E-02	5.5E-03	8.5E-13	1.5E+01	6.0E-07	6.1E-04	5.3E-09	4.7E-02	5.5E-03	1.4E-12
2.3E+01	1.9E-07	6.1E-04	2.7E-09	4.7E-02	5.5E-03	6.9E-13	1.4E+01	6.0E-07	6.1E-04	5.0E-09	4.7E-02	5.5E-03	1.3E-12
2.9E+01	1.9E-07	6.1E-04	3.3E-09	4.7E-02	5.5E-03	8.6E-13	1.2E+01	6.0E-07	6.1E-04	4.4E-09	4.7E-02	5.5E-03	1.1E-12
2.4E+01	1.9E-07	6.1E-04	2.7E-09	4.7E-02	5.5E-03	7.0E-13	1.2E+01	6.0E-07	6.1E-04	4.3E-09	4.7E-02	5.5E-03	1.1E-12
2.0E+01	1.9E-07	6.1E-04	2.3E-09	4.7E-02	5.5E-03	5.8E-13	1.1E+01	6.0E-07	6.1E-04	4.2E-09	4.7E-02	5.5E-03	1.1E-12

Franklin School Project

Risk From New Building Demo (Port. 2) - Unmitigated School

Haul Route 1A							Haul Route 2A						
Conc	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
9.9E+00	1.2E-06	6.1E-04	7.4E-09	4.7E-02	5.5E-03	1.9E-12	8.5E-01	1.3E-07	6.1E-04	6.8E-11	4.7E-02	5.5E-03	1.8E-14
9.6E+00	1.2E-06	6.1E-04	7.2E-09	4.7E-02	5.5E-03	1.9E-12	8.3E-01	1.3E-07	6.1E-04	6.7E-11	4.7E-02	5.5E-03	1.7E-14
8.4E+00	1.2E-06	6.1E-04	6.3E-09	4.7E-02	5.5E-03	1.6E-12	8.2E-01	1.3E-07	6.1E-04	6.5E-11	4.7E-02	5.5E-03	1.7E-14
8.2E+00	1.2E-06	6.1E-04	6.1E-09	4.7E-02	5.5E-03	1.6E-12	8.0E-01	1.3E-07	6.1E-04	6.4E-11	4.7E-02	5.5E-03	1.7E-14
7.2E+00	1.2E-06	6.1E-04	5.4E-09	4.7E-02	5.5E-03	1.4E-12	7.8E-01	1.3E-07	6.1E-04	6.3E-11	4.7E-02	5.5E-03	1.6E-14
7.1E+00	1.2E-06	6.1E-04	5.3E-09	4.7E-02	5.5E-03	1.4E-12	7.7E-01	1.3E-07	6.1E-04	6.1E-11	4.7E-02	5.5E-03	1.6E-14
6.2E+00	1.2E-06	6.1E-04	4.6E-09	4.7E-02	5.5E-03	1.2E-12	7.5E-01	1.3E-07	6.1E-04	6.0E-11	4.7E-02	5.5E-03	1.6E-14
6.2E+00	1.2E-06	6.1E-04	4.6E-09	4.7E-02	5.5E-03	1.2E-12	7.4E-01	1.3E-07	6.1E-04	5.9E-11	4.7E-02	5.5E-03	1.5E-14
5.4E+00	1.2E-06	6.1E-04	4.1E-09	4.7E-02	5.5E-03	1.0E-12	7.2E-01	1.3E-07	6.1E-04	5.8E-11	4.7E-02	5.5E-03	1.5E-14
5.4E+00	1.2E-06	6.1E-04	4.0E-09	4.7E-02	5.5E-03	1.0E-12	7.1E-01	1.3E-07	6.1E-04	5.7E-11	4.7E-02	5.5E-03	1.5E-14
4.8E+00	1.2E-06	6.1E-04	3.6E-09	4.7E-02	5.5E-03	9.3E-13	7.0E-01	1.3E-07	6.1E-04	5.6E-11	4.7E-02	5.5E-03	1.4E-14
4.8E+00	1.2E-06	6.1E-04	3.6E-09	4.7E-02	5.5E-03	9.2E-13	6.8E-01	1.3E-07	6.1E-04	5.5E-11	4.7E-02	5.5E-03	1.4E-14
4.3E+00	1.2E-06	6.1E-04	3.2E-09	4.7E-02	5.5E-03	8.2E-13	6.7E-01	1.3E-07	6.1E-04	5.4E-11	4.7E-02	5.5E-03	1.4E-14
4.3E+00	1.2E-06	6.1E-04	3.2E-09	4.7E-02	5.5E-03	8.2E-13	6.6E-01	1.3E-07	6.1E-04	5.3E-11	4.7E-02	5.5E-03	1.4E-14
1.8E+01	1.2E-06	6.1E-04	1.3E-08	4.7E-02	5.5E-03	3.5E-12	1.0E+00	1.3E-07	6.1E-04	8.2E-11	4.7E-02	5.5E-03	2.1E-14
1.8E+01	1.2E-06	6.1E-04	1.4E-08	4.7E-02	5.5E-03	3.5E-12	1.0E+00	1.3E-07	6.1E-04	8.0E-11	4.7E-02	5.5E-03	2.1E-14
1.8E+01	1.2E-06	6.1E-04	1.4E-08	4.7E-02	5.5E-03	3.5E-12	9.8E-01	1.3E-07	6.1E-04	7.9E-11	4.7E-02	5.5E-03	2.0E-14
1.4E+01	1.2E-06	6.1E-04	1.1E-08	4.7E-02	5.5E-03	2.7E-12	9.8E-01	1.3E-07	6.1E-04	7.8E-11	4.7E-02	5.5E-03	2.0E-14
1.4E+01	1.2E-06	6.1E-04	1.1E-08	4.7E-02	5.5E-03	2.8E-12	9.6E-01	1.3E-07	6.1E-04	7.7E-11	4.7E-02	5.5E-03	2.0E-14
1.4E+01	1.2E-06	6.1E-04	1.1E-08	4.7E-02	5.5E-03	2.8E-12	9.4E-01	1.3E-07	6.1E-04	7.5E-11	4.7E-02	5.5E-03	1.9E-14
1.1E+01	1.2E-06	6.1E-04	8.5E-09	4.7E-02	5.5E-03	2.2E-12	9.4E-01	1.3E-07	6.1E-04	7.5E-11	4.7E-02	5.5E-03	1.9E-14
1.2E+01	1.2E-06	6.1E-04	8.7E-09	4.7E-02	5.5E-03	2.3E-12	9.2E-01	1.3E-07	6.1E-04	7.4E-11	4.7E-02	5.5E-03	1.9E-14
1.2E+01	1.2E-06	6.1E-04	8.8E-09	4.7E-02	5.5E-03	2.3E-12	9.0E-01	1.3E-07	6.1E-04	7.2E-11	4.7E-02	5.5E-03	1.9E-14
9.4E+00	1.2E-06	6.1E-04	7.0E-09	4.7E-02	5.5E-03	1.8E-12	9.0E-01	1.3E-07	6.1E-04	7.2E-11	4.7E-02	5.5E-03	1.9E-14
9.7E+00	1.2E-06	6.1E-04	7.2E-09	4.7E-02	5.5E-03	1.9E-12	8.8E-01	1.3E-07	6.1E-04	7.0E-11	4.7E-02	5.5E-03	1.8E-14
9.7E+00	1.2E-06	6.1E-04	7.2E-09	4.7E-02	5.5E-03	1.9E-12	8.6E-01	1.3E-07	6.1E-04	6.9E-11	4.7E-02	5.5E-03	1.8E-14
7.9E+00	1.2E-06	6.1E-04	5.9E-09	4.7E-02	5.5E-03	1.5E-12	8.6E-01	1.3E-07	6.1E-04	6.9E-11	4.7E-02	5.5E-03	1.8E-14
8.1E+00	1.2E-06	6.1E-04	6.0E-09	4.7E-02	5.5E-03	1.6E-12	8.4E-01	1.3E-07	6.1E-04	6.7E-11	4.7E-02	5.5E-03	1.7E-14
8.2E+00	1.2E-06	6.1E-04	6.1E-09	4.7E-02	5.5E-03	1.6E-12	8.3E-01	1.3E-07	6.1E-04	6.6E-11	4.7E-02	5.5E-03	1.7E-14
7.0E+00	1.2E-06	6.1E-04	5.2E-09	4.7E-02	5.5E-03	1.3E-12	8.3E-01	1.3E-07	6.1E-04	6.6E-11	4.7E-02	5.5E-03	1.7E-14
7.1E+00	1.2E-06	6.1E-04	5.3E-09	4.7E-02	5.5E-03	1.4E-12	8.1E-01	1.3E-07	6.1E-04	6.5E-11	4.7E-02	5.5E-03	1.7E-14
7.2E+00	1.2E-06	6.1E-04	5.4E-09	4.7E-02	5.5E-03	1.4E-12	8.0E-01	1.3E-07	6.1E-04	6.4E-11	4.7E-02	5.5E-03	1.7E-14
6.0E+00	1.2E-06	6.1E-04	4.5E-09	4.7E-02	5.5E-03	1.2E-12	7.9E-01	1.3E-07	6.1E-04	6.4E-11	4.7E-02	5.5E-03	1.6E-14
6.1E+00	1.2E-06	6.1E-04	4.6E-09	4.7E-02	5.5E-03	1.2E-12	7.8E-01	1.3E-07	6.1E-04	6.3E-11	4.7E-02	5.5E-03	1.6E-14
6.2E+00	1.2E-06	6.1E-04	4.6E-09	4.7E-02	5.5E-03	1.2E-12	7.7E-01	1.3E-07	6.1E-04	6.2E-11	4.7E-02	5.5E-03	1.6E-14
5.2E+00	1.2E-06	6.1E-04	3.9E-09	4.7E-02	5.5E-03	1.0E-12	7.6E-01	1.3E-07	6.1E-04	6.1E-11	4.7E-02	5.5E-03	1.6E-14
5.4E+00	1.2E-06	6.1E-04	4.0E-09	4.7E-02	5.5E-03	1.0E-12	7.5E-01	1.3E-07	6.1E-04	6.0E-11	4.7E-02	5.5E-03	1.6E-14
5.4E+00	1.2E-06	6.1E-04	4.0E-09	4.7E-02	5.5E-03	1.0E-12	7.4E-01	1.3E-07	6.1E-04	5.9E-11	4.7E-02	5.5E-03	1.5E-14
4.6E+00	1.2E-06	6.1E-04	3.4E-09	4.7E-02	5.5E-03	8.8E-13	7.3E-01	1.3E-07	6.1E-04	5.9E-11	4.7E-02	5.5E-03	1.5E-14

4.7E+00	1.2E-06	6.1E-04	3.5E-09	4.7E-02	5.5E-03	9.1E-13	7.2E-01	1.3E-07	6.1E-04	5.8E-11	4.7E-02	5.5E-03	1.5E-14
4.8E+00	1.2E-06	6.1E-04	3.6E-09	4.7E-02	5.5E-03	9.2E-13	7.1E-01	1.3E-07	6.1E-04	5.7E-11	4.7E-02	5.5E-03	1.5E-14
4.1E+00	1.2E-06	6.1E-04	3.0E-09	4.7E-02	5.5E-03	7.8E-13	7.0E-01	1.3E-07	6.1E-04	5.6E-11	4.7E-02	5.5E-03	1.5E-14
4.2E+00	1.2E-06	6.1E-04	3.1E-09	4.7E-02	5.5E-03	8.0E-13	6.9E-01	1.3E-07	6.1E-04	5.6E-11	4.7E-02	5.5E-03	1.4E-14
4.2E+00	1.2E-06	6.1E-04	3.2E-09	4.7E-02	5.5E-03	8.2E-13	6.8E-01	1.3E-07	6.1E-04	5.5E-11	4.7E-02	5.5E-03	1.4E-14
3.9E+00	1.2E-06	6.1E-04	2.9E-09	4.7E-02	5.5E-03	7.6E-13	6.9E-01	1.3E-07	6.1E-04	5.5E-11	4.7E-02	5.5E-03	1.4E-14
4.0E+00	1.2E-06	6.1E-04	3.0E-09	4.7E-02	5.5E-03	7.7E-13	6.8E-01	1.3E-07	6.1E-04	5.5E-11	4.7E-02	5.5E-03	1.4E-14
4.1E+00	1.2E-06	6.1E-04	3.0E-09	4.7E-02	5.5E-03	7.8E-13	6.7E-01	1.3E-07	6.1E-04	5.4E-11	4.7E-02	5.5E-03	1.4E-14
4.1E+00	1.2E-06	6.1E-04	3.0E-09	4.7E-02	5.5E-03	7.9E-13	6.6E-01	1.3E-07	6.1E-04	5.3E-11	4.7E-02	5.5E-03	1.4E-14
4.1E+00	1.2E-06	6.1E-04	3.0E-09	4.7E-02	5.5E-03	7.8E-13	6.5E-01	1.3E-07	6.1E-04	5.2E-11	4.7E-02	5.5E-03	1.3E-14
3.5E+00	1.2E-06	6.1E-04	2.6E-09	4.7E-02	5.5E-03	6.8E-13	6.6E-01	1.3E-07	6.1E-04	5.3E-11	4.7E-02	5.5E-03	1.4E-14
3.6E+00	1.2E-06	6.1E-04	2.7E-09	4.7E-02	5.5E-03	6.9E-13	6.5E-01	1.3E-07	6.1E-04	5.2E-11	4.7E-02	5.5E-03	1.4E-14
3.6E+00	1.2E-06	6.1E-04	2.7E-09	4.7E-02	5.5E-03	7.0E-13	6.5E-01	1.3E-07	6.1E-04	5.2E-11	4.7E-02	5.5E-03	1.3E-14
3.7E+00	1.2E-06	6.1E-04	2.7E-09	4.7E-02	5.5E-03	7.0E-13	6.4E-01	1.3E-07	6.1E-04	5.1E-11	4.7E-02	5.5E-03	1.3E-14
3.7E+00	1.2E-06	6.1E-04	2.7E-09	4.7E-02	5.5E-03	7.0E-13	6.2E-01	1.3E-07	6.1E-04	5.0E-11	4.7E-02	5.5E-03	1.3E-14
3.2E+00	1.2E-06	6.1E-04	2.4E-09	4.7E-02	5.5E-03	6.1E-13	6.4E-01	1.3E-07	6.1E-04	5.1E-11	4.7E-02	5.5E-03	1.3E-14
3.2E+00	1.2E-06	6.1E-04	2.4E-09	4.7E-02	5.5E-03	6.2E-13	6.3E-01	1.3E-07	6.1E-04	5.1E-11	4.7E-02	5.5E-03	1.3E-14
3.3E+00	1.2E-06	6.1E-04	2.4E-09	4.7E-02	5.5E-03	6.3E-13	6.2E-01	1.3E-07	6.1E-04	5.0E-11	4.7E-02	5.5E-03	1.3E-14
3.3E+00	1.2E-06	6.1E-04	2.5E-09	4.7E-02	5.5E-03	6.4E-13	6.1E-01	1.3E-07	6.1E-04	4.9E-11	4.7E-02	5.5E-03	1.3E-14
3.3E+00	1.2E-06	6.1E-04	2.5E-09	4.7E-02	5.5E-03	6.4E-13	6.0E-01	1.3E-07	6.1E-04	4.8E-11	4.7E-02	5.5E-03	1.2E-14
1.9E+01	1.2E-06	6.1E-04	1.4E-08	4.7E-02	5.5E-03	3.7E-12	9.9E-01	1.3E-07	6.1E-04	7.9E-11	4.7E-02	5.5E-03	2.0E-14
1.5E+01	1.2E-06	6.1E-04	1.1E-08	4.7E-02	5.5E-03	2.9E-12	9.4E-01	1.3E-07	6.1E-04	7.6E-11	4.7E-02	5.5E-03	2.0E-14
1.5E+01	1.2E-06	6.1E-04	1.1E-08	4.7E-02	5.5E-03	2.8E-12	9.2E-01	1.3E-07	6.1E-04	7.4E-11	4.7E-02	5.5E-03	1.9E-14
1.4E+01	1.2E-06	6.1E-04	1.0E-08	4.7E-02	5.5E-03	2.7E-12	9.0E-01	1.3E-07	6.1E-04	7.2E-11	4.7E-02	5.5E-03	1.9E-14
1.2E+01	1.2E-06	6.1E-04	9.1E-09	4.7E-02	5.5E-03	2.3E-12	9.0E-01	1.3E-07	6.1E-04	7.2E-11	4.7E-02	5.5E-03	1.9E-14
1.2E+01	1.2E-06	6.1E-04	8.9E-09	4.7E-02	5.5E-03	2.3E-12	8.8E-01	1.3E-07	6.1E-04	7.1E-11	4.7E-02	5.5E-03	1.8E-14
1.1E+01	1.2E-06	6.1E-04	8.5E-09	4.7E-02	5.5E-03	2.2E-12	8.6E-01	1.3E-07	6.1E-04	6.9E-11	4.7E-02	5.5E-03	1.8E-14

Risk From New Building Demo (Port. 1,3,4) - Unmitigated School

Franklin School Project

Risk From New Building Demo (Port. 1,3,4) - Unmitigated School

0.16	Max

Onsite

Receptor #	Total/ Million	Total	Conc	g/sec	D1	Dose	R1	ED	Risk
807	0.10	9.8E-08	2.9E+01	8.6E-03	6.1E-04	1.5E-04	4.7E-02	1.4E-02	9.8E-08
808	0.11	1.1E-07	3.3E+01	8.6E-03	6.1E-04	1.7E-04	4.7E-02	1.4E-02	1.1E-07
809	0.11	1.1E-07	3.2E+01	8.6E-03	6.1E-04	1.7E-04	4.7E-02	1.4E-02	1.1E-07
810	0.12	1.2E-07	3.5E+01	8.6E-03	6.1E-04	1.8E-04	4.7E-02	1.4E-02	1.2E-07
811	0.11	1.1E-07	3.3E+01	8.6E-03	6.1E-04	1.7E-04	4.7E-02	1.4E-02	1.1E-07
812	0.14	1.4E-07	4.2E+01	8.6E-03	6.1E-04	2.2E-04	4.7E-02	1.4E-02	1.4E-07
813	0.11	1.1E-07	3.4E+01	8.6E-03	6.1E-04	1.8E-04	4.7E-02	1.4E-02	1.1E-07
814	0.15	1.5E-07	4.6E+01	8.6E-03	6.1E-04	2.4E-04	4.7E-02	1.4E-02	1.5E-07
815	0.12	1.2E-07	3.6E+01	8.6E-03	6.1E-04	1.9E-04	4.7E-02	1.4E-02	1.2E-07
816	0.13	1.3E-07	4.0E+01	8.6E-03	6.1E-04	2.1E-04	4.7E-02	1.4E-02	1.3E-07
817	0.12	1.2E-07	3.7E+01	8.6E-03	6.1E-04	1.9E-04	4.7E-02	1.4E-02	1.2E-07
818	0.13	1.3E-07	4.0E+01	8.6E-03	6.1E-04	2.1E-04	4.7E-02	1.4E-02	1.3E-07
819	0.12	1.2E-07	3.6E+01	8.6E-03	6.1E-04	1.9E-04	4.7E-02	1.4E-02	1.2E-07
820	0.16	1.6E-07	4.8E+01	8.6E-03	6.1E-04	2.5E-04	4.7E-02	1.4E-02	1.6E-07
821	0.03	2.6E-08	7.9E+00	8.6E-03	6.1E-04	4.1E-05	4.7E-02	1.4E-02	2.6E-08
822	0.03	3.3E-08	9.7E+00	8.6E-03	6.1E-04	5.0E-05	4.7E-02	1.4E-02	3.3E-08
823	0.04	4.2E-08	1.3E+01	8.6E-03	6.1E-04	6.5E-05	4.7E-02	1.4E-02	4.2E-08
824	0.03	2.9E-08	8.7E+00	8.6E-03	6.1E-04	4.5E-05	4.7E-02	1.4E-02	2.9E-08
825	0.04	3.7E-08	1.1E+01	8.6E-03	6.1E-04	5.8E-05	4.7E-02	1.4E-02	3.7E-08
826	0.05	4.9E-08	1.5E+01	8.6E-03	6.1E-04	7.7E-05	4.7E-02	1.4E-02	4.9E-08
827	0.03	3.2E-08	9.6E+00	8.6E-03	6.1E-04	5.0E-05	4.7E-02	1.4E-02	3.2E-08
828	0.04	4.2E-08	1.3E+01	8.6E-03	6.1E-04	6.5E-05	4.7E-02	1.4E-02	4.2E-08
829	0.06	5.8E-08	1.7E+01	8.6E-03	6.1E-04	8.9E-05	4.7E-02	1.4E-02	5.8E-08
830	0.03	3.5E-08	1.0E+01	8.6E-03	6.1E-04	5.4E-05	4.7E-02	1.4E-02	3.5E-08
831	0.05	4.6E-08	1.4E+01	8.6E-03	6.1E-04	7.1E-05	4.7E-02	1.4E-02	4.6E-08
832	0.06	6.5E-08	1.9E+01	8.6E-03	6.1E-04	1.0E-04	4.7E-02	1.4E-02	6.5E-08
833	0.04	3.7E-08	1.1E+01	8.6E-03	6.1E-04	5.7E-05	4.7E-02	1.4E-02	3.7E-08
834	0.05	4.9E-08	1.5E+01	8.6E-03	6.1E-04	7.5E-05	4.7E-02	1.4E-02	4.9E-08
835	0.07	7.0E-08	2.1E+01	8.6E-03	6.1E-04	1.1E-04	4.7E-02	1.4E-02	7.0E-08
836	0.04	3.8E-08	1.1E+01	8.6E-03	6.1E-04	5.9E-05	4.7E-02	1.4E-02	3.8E-08
837	0.05	5.0E-08	1.5E+01	8.6E-03	6.1E-04	7.8E-05	4.7E-02	1.4E-02	5.0E-08
838	0.07	7.2E-08	2.1E+01	8.6E-03	6.1E-04	1.1E-04	4.7E-02	1.4E-02	7.2E-08
839	0.04	3.9E-08	1.2E+01	8.6E-03	6.1E-04	6.1E-05	4.7E-02	1.4E-02	3.9E-08
840	0.05	5.2E-08	1.6E+01	8.6E-03	6.1E-04	8.1E-05	4.7E-02	1.4E-02	5.2E-08
841	0.07	7.4E-08	2.2E+01	8.6E-03	6.1E-04	1.1E-04	4.7E-02	1.4E-02	7.4E-08
842	0.04	4.0E-08	1.2E+01	8.6E-03	6.1E-04	6.2E-05	4.7E-02	1.4E-02	4.0E-08
843	0.05	5.3E-08	1.6E+01	8.6E-03	6.1E-04	8.3E-05	4.7E-02	1.4E-02	5.3E-08
844	0.08	7.6E-08	2.3E+01	8.6E-03	6.1E-04	1.2E-04	4.7E-02	1.4E-02	7.6E-08
845	0.04	3.9E-08	1.2E+01	8.6E-03	6.1E-04	6.1E-05	4.7E-02	1.4E-02	3.9E-08

846	0.05	5.3E-08	1.6E+01	8.6E-03	6.1E-04	8.3E-05	4.7E-02	1.4E-02	5.3E-08
847	0.08	7.7E-08	2.3E+01	8.6E-03	6.1E-04	1.2E-04	4.7E-02	1.4E-02	7.7E-08
848	0.04	3.8E-08	1.1E+01	8.6E-03	6.1E-04	6.0E-05	4.7E-02	1.4E-02	3.8E-08
849	0.05	5.2E-08	1.6E+01	8.6E-03	6.1E-04	8.1E-05	4.7E-02	1.4E-02	5.2E-08
850	0.08	7.6E-08	2.3E+01	8.6E-03	6.1E-04	1.2E-04	4.7E-02	1.4E-02	7.6E-08
851	0.04	4.1E-08	1.2E+01	8.6E-03	6.1E-04	6.4E-05	4.7E-02	1.4E-02	4.1E-08
852	0.06	5.7E-08	1.7E+01	8.6E-03	6.1E-04	8.9E-05	4.7E-02	1.4E-02	5.7E-08
853	0.08	8.5E-08	2.5E+01	8.6E-03	6.1E-04	1.3E-04	4.7E-02	1.4E-02	8.5E-08
854	0.13	1.3E-07	3.8E+01	8.6E-03	6.1E-04	2.0E-04	4.7E-02	1.4E-02	1.3E-07
855	0.13	1.3E-07	3.9E+01	8.6E-03	6.1E-04	2.1E-04	4.7E-02	1.4E-02	1.3E-07
856	0.04	3.9E-08	1.2E+01	8.6E-03	6.1E-04	6.1E-05	4.7E-02	1.4E-02	3.9E-08
857	0.05	5.4E-08	1.6E+01	8.6E-03	6.1E-04	8.4E-05	4.7E-02	1.4E-02	5.4E-08
858	0.08	8.0E-08	2.4E+01	8.6E-03	6.1E-04	1.2E-04	4.7E-02	1.4E-02	8.0E-08
859	0.12	1.2E-07	3.7E+01	8.6E-03	6.1E-04	1.9E-04	4.7E-02	1.4E-02	1.2E-07
860	0.12	1.2E-07	3.5E+01	8.6E-03	6.1E-04	1.8E-04	4.7E-02	1.4E-02	1.2E-07
861	0.04	3.7E-08	1.1E+01	8.6E-03	6.1E-04	5.7E-05	4.7E-02	1.4E-02	3.7E-08
862	0.05	5.0E-08	1.5E+01	8.6E-03	6.1E-04	7.7E-05	4.7E-02	1.4E-02	5.0E-08
863	0.07	7.1E-08	2.1E+01	8.6E-03	6.1E-04	1.1E-04	4.7E-02	1.4E-02	7.1E-08
864	0.11	1.1E-07	3.2E+01	8.6E-03	6.1E-04	1.7E-04	4.7E-02	1.4E-02	1.1E-07
865	0.11	1.1E-07	3.3E+01	8.6E-03	6.1E-04	1.7E-04	4.7E-02	1.4E-02	1.1E-07
866	0.04	4.3E-08	1.3E+01	8.6E-03	6.1E-04	6.7E-05	4.7E-02	1.4E-02	4.3E-08
867	0.05	5.1E-08	1.5E+01	8.6E-03	6.1E-04	7.9E-05	4.7E-02	1.4E-02	5.1E-08
868	0.07	7.2E-08	2.1E+01	8.6E-03	6.1E-04	1.1E-04	4.7E-02	1.4E-02	7.2E-08
869	0.11	1.1E-07	3.2E+01	8.6E-03	6.1E-04	1.6E-04	4.7E-02	1.4E-02	1.1E-07
870	0.06	6.0E-08	1.8E+01	8.6E-03	6.1E-04	9.3E-05	4.7E-02	1.4E-02	6.0E-08
871	0.09	8.7E-08	2.6E+01	8.6E-03	6.1E-04	1.3E-04	4.7E-02	1.4E-02	8.7E-08
872	0.12	1.2E-07	3.5E+01	8.6E-03	6.1E-04	1.8E-04	4.7E-02	1.4E-02	1.2E-07
873	0.00	0.0E+00		8.6E-03	6.1E-04	0.0E+00	4.7E-02	1.4E-02	0.0E+00

Franklin School Project

Risk From New Building Demo (Port. 1,3,4) - Unmitigated School

Haul Route 1A							Haul Route 2A						
Conc	g/sec	D1	Dose	R1	ED	Risk	Conc	g/sec	D1	Dose	R1	ED	Risk
2.0E+01	1.9E-07	6.1E-04	2.3E-09	4.7E-02	1.4E-02	1.5E-12	9.9E+00	6.0E-07	6.1E-04	3.6E-09	4.7E-02	1.4E-02	2.3E-12
1.7E+01	1.9E-07	6.1E-04	1.9E-09	4.7E-02	1.4E-02	1.3E-12	9.6E+00	6.0E-07	6.1E-04	3.5E-09	4.7E-02	1.4E-02	2.3E-12
1.6E+01	1.9E-07	6.1E-04	1.9E-09	4.7E-02	1.4E-02	1.2E-12	8.4E+00	6.0E-07	6.1E-04	3.0E-09	4.7E-02	1.4E-02	2.0E-12
1.4E+01	1.9E-07	6.1E-04	1.6E-09	4.7E-02	1.4E-02	1.1E-12	8.2E+00	6.0E-07	6.1E-04	3.0E-09	4.7E-02	1.4E-02	1.9E-12
1.3E+01	1.9E-07	6.1E-04	1.5E-09	4.7E-02	1.4E-02	9.9E-13	7.2E+00	6.0E-07	6.1E-04	2.6E-09	4.7E-02	1.4E-02	1.7E-12
1.2E+01	1.9E-07	6.1E-04	1.4E-09	4.7E-02	1.4E-02	8.9E-13	7.1E+00	6.0E-07	6.1E-04	2.6E-09	4.7E-02	1.4E-02	1.7E-12
1.1E+01	1.9E-07	6.1E-04	1.3E-09	4.7E-02	1.4E-02	8.3E-13	6.2E+00	6.0E-07	6.1E-04	2.3E-09	4.7E-02	1.4E-02	1.5E-12
1.0E+01	1.9E-07	6.1E-04	1.2E-09	4.7E-02	1.4E-02	7.6E-13	6.2E+00	6.0E-07	6.1E-04	2.2E-09	4.7E-02	1.4E-02	1.4E-12
9.5E+00	1.9E-07	6.1E-04	1.1E-09	4.7E-02	1.4E-02	7.1E-13	5.4E+00	6.0E-07	6.1E-04	2.0E-09	4.7E-02	1.4E-02	1.3E-12
8.8E+00	1.9E-07	6.1E-04	1.0E-09	4.7E-02	1.4E-02	6.6E-13	5.4E+00	6.0E-07	6.1E-04	2.0E-09	4.7E-02	1.4E-02	1.3E-12
8.2E+00	1.9E-07	6.1E-04	9.4E-10	4.7E-02	1.4E-02	6.1E-13	4.8E+00	6.0E-07	6.1E-04	1.7E-09	4.7E-02	1.4E-02	1.1E-12
7.7E+00	1.9E-07	6.1E-04	8.8E-10	4.7E-02	1.4E-02	5.7E-13	4.8E+00	6.0E-07	6.1E-04	1.7E-09	4.7E-02	1.4E-02	1.1E-12
7.1E+00	1.9E-07	6.1E-04	8.1E-10	4.7E-02	1.4E-02	5.2E-13	4.3E+00	6.0E-07	6.1E-04	1.6E-09	4.7E-02	1.4E-02	1.0E-12
6.7E+00	1.9E-07	6.1E-04	7.7E-10	4.7E-02	1.4E-02	5.0E-13	4.3E+00	6.0E-07	6.1E-04	1.5E-09	4.7E-02	1.4E-02	1.0E-12
3.2E+01	1.9E-07	6.1E-04	3.7E-09	4.7E-02	1.4E-02	2.4E-12	1.8E+01	6.0E-07	6.1E-04	6.5E-09	4.7E-02	1.4E-02	4.2E-12
6.9E+01	1.9E-07	6.1E-04	8.0E-09	4.7E-02	1.4E-02	5.2E-12	1.8E+01	6.0E-07	6.1E-04	6.7E-09	4.7E-02	1.4E-02	4.3E-12
4.7E+01	1.9E-07	6.1E-04	5.4E-09	4.7E-02	1.4E-02	3.5E-12	1.8E+01	6.0E-07	6.1E-04	6.6E-09	4.7E-02	1.4E-02	4.3E-12
2.2E+01	1.9E-07	6.1E-04	2.5E-09	4.7E-02	1.4E-02	1.6E-12	1.4E+01	6.0E-07	6.1E-04	5.1E-09	4.7E-02	1.4E-02	3.3E-12
5.0E+01	1.9E-07	6.1E-04	5.8E-09	4.7E-02	1.4E-02	3.7E-12	1.4E+01	6.0E-07	6.1E-04	5.3E-09	4.7E-02	1.4E-02	3.4E-12
3.7E+01	1.9E-07	6.1E-04	4.3E-09	4.7E-02	1.4E-02	2.8E-12	1.4E+01	6.0E-07	6.1E-04	5.3E-09	4.7E-02	1.4E-02	3.4E-12
4.4E+01	1.9E-07	6.1E-04	5.1E-09	4.7E-02	1.4E-02	3.3E-12	1.1E+01	6.0E-07	6.1E-04	4.1E-09	4.7E-02	1.4E-02	2.7E-12
3.6E+01	1.9E-07	6.1E-04	4.1E-09	4.7E-02	1.4E-02	2.7E-12	1.2E+01	6.0E-07	6.1E-04	4.3E-09	4.7E-02	1.4E-02	2.7E-12
2.9E+01	1.9E-07	6.1E-04	3.3E-09	4.7E-02	1.4E-02	2.1E-12	1.2E+01	6.0E-07	6.1E-04	4.3E-09	4.7E-02	1.4E-02	2.8E-12
3.0E+01	1.9E-07	6.1E-04	3.5E-09	4.7E-02	1.4E-02	2.2E-12	9.4E+00	6.0E-07	6.1E-04	3.4E-09	4.7E-02	1.4E-02	2.2E-12
2.6E+01	1.9E-07	6.1E-04	3.0E-09	4.7E-02	1.4E-02	1.9E-12	9.7E+00	6.0E-07	6.1E-04	3.5E-09	4.7E-02	1.4E-02	2.3E-12
2.2E+01	1.9E-07	6.1E-04	2.6E-09	4.7E-02	1.4E-02	1.7E-12	9.7E+00	6.0E-07	6.1E-04	3.5E-09	4.7E-02	1.4E-02	2.3E-12
2.2E+01	1.9E-07	6.1E-04	2.5E-09	4.7E-02	1.4E-02	1.6E-12	7.9E+00	6.0E-07	6.1E-04	2.9E-09	4.7E-02	1.4E-02	1.9E-12
2.0E+01	1.9E-07	6.1E-04	2.3E-09	4.7E-02	1.4E-02	1.5E-12	8.1E+00	6.0E-07	6.1E-04	2.9E-09	4.7E-02	1.4E-02	1.9E-12
1.8E+01	1.9E-07	6.1E-04	2.0E-09	4.7E-02	1.4E-02	1.3E-12	8.2E+00	6.0E-07	6.1E-04	3.0E-09	4.7E-02	1.4E-02	1.9E-12
1.7E+01	1.9E-07	6.1E-04	2.0E-09	4.7E-02	1.4E-02	1.3E-12	7.0E+00	6.0E-07	6.1E-04	2.5E-09	4.7E-02	1.4E-02	1.6E-12
1.6E+01	1.9E-07	6.1E-04	1.9E-09	4.7E-02	1.4E-02	1.2E-12	7.1E+00	6.0E-07	6.1E-04	2.6E-09	4.7E-02	1.4E-02	1.7E-12
1.5E+01	1.9E-07	6.1E-04	1.7E-09	4.7E-02	1.4E-02	1.1E-12	7.2E+00	6.0E-07	6.1E-04	2.6E-09	4.7E-02	1.4E-02	1.7E-12
1.4E+01	1.9E-07	6.1E-04	1.6E-09	4.7E-02	1.4E-02	1.0E-12	6.0E+00	6.0E-07	6.1E-04	2.2E-09	4.7E-02	1.4E-02	1.4E-12
1.3E+01	1.9E-07	6.1E-04	1.5E-09	4.7E-02	1.4E-02	9.7E-13	6.1E+00	6.0E-07	6.1E-04	2.2E-09	4.7E-02	1.4E-02	1.4E-12
1.2E+01	1.9E-07	6.1E-04	1.4E-09	4.7E-02	1.4E-02	9.1E-13	6.2E+00	6.0E-07	6.1E-04	2.3E-09	4.7E-02	1.4E-02	1.5E-12
1.1E+01	1.9E-07	6.1E-04	1.3E-09	4.7E-02	1.4E-02	8.2E-13	5.2E+00	6.0E-07	6.1E-04	1.9E-09	4.7E-02	1.4E-02	1.2E-12
1.1E+01	1.9E-07	6.1E-04	1.2E-09	4.7E-02	1.4E-02	8.0E-13	5.4E+00	6.0E-07	6.1E-04	1.9E-09	4.7E-02	1.4E-02	1.3E-12
1.0E+01	1.9E-07	6.1E-04	1.2E-09	4.7E-02	1.4E-02	7.6E-13	5.4E+00	6.0E-07	6.1E-04	2.0E-09	4.7E-02	1.4E-02	1.3E-12
9.1E+00	1.9E-07	6.1E-04	1.0E-09	4.7E-02	1.4E-02	6.8E-13	4.6E+00	6.0E-07	6.1E-04	1.7E-09	4.7E-02	1.4E-02	1.1E-12

8.9E+00	1.9E-07	6.1E-04	1.0E-09	4.7E-02	1.4E-02	6.6E-13	4.7E+00	6.0E-07	6.1E-04	1.7E-09	4.7E-02	1.4E-02	1.1E-12
8.6E+00	1.9E-07	6.1E-04	9.9E-10	4.7E-02	1.4E-02	6.4E-13	4.8E+00	6.0E-07	6.1E-04	1.7E-09	4.7E-02	1.4E-02	1.1E-12
7.7E+00	1.9E-07	6.1E-04	8.8E-10	4.7E-02	1.4E-02	5.7E-13	4.1E+00	6.0E-07	6.1E-04	1.5E-09	4.7E-02	1.4E-02	9.6E-13
7.6E+00	1.9E-07	6.1E-04	8.7E-10	4.7E-02	1.4E-02	5.6E-13	4.2E+00	6.0E-07	6.1E-04	1.5E-09	4.7E-02	1.4E-02	9.8E-13
7.4E+00	1.9E-07	6.1E-04	8.5E-10	4.7E-02	1.4E-02	5.5E-13	4.2E+00	6.0E-07	6.1E-04	1.5E-09	4.7E-02	1.4E-02	9.9E-13
7.2E+00	1.9E-07	6.1E-04	8.3E-10	4.7E-02	1.4E-02	5.3E-13	3.9E+00	6.0E-07	6.1E-04	1.4E-09	4.7E-02	1.4E-02	9.2E-13
7.1E+00	1.9E-07	6.1E-04	8.1E-10	4.7E-02	1.4E-02	5.3E-13	4.0E+00	6.0E-07	6.1E-04	1.5E-09	4.7E-02	1.4E-02	9.4E-13
6.9E+00	1.9E-07	6.1E-04	7.9E-10	4.7E-02	1.4E-02	5.1E-13	4.1E+00	6.0E-07	6.1E-04	1.5E-09	4.7E-02	1.4E-02	9.5E-13
6.6E+00	1.9E-07	6.1E-04	7.6E-10	4.7E-02	1.4E-02	4.9E-13	4.1E+00	6.0E-07	6.1E-04	1.5E-09	4.7E-02	1.4E-02	9.6E-13
6.3E+00	1.9E-07	6.1E-04	7.3E-10	4.7E-02	1.4E-02	4.7E-13	4.1E+00	6.0E-07	6.1E-04	1.5E-09	4.7E-02	1.4E-02	9.5E-13
6.2E+00	1.9E-07	6.1E-04	7.1E-10	4.7E-02	1.4E-02	4.6E-13	3.5E+00	6.0E-07	6.1E-04	1.3E-09	4.7E-02	1.4E-02	8.2E-13
6.1E+00	1.9E-07	6.1E-04	7.0E-10	4.7E-02	1.4E-02	4.5E-13	3.6E+00	6.0E-07	6.1E-04	1.3E-09	4.7E-02	1.4E-02	8.4E-13
6.0E+00	1.9E-07	6.1E-04	6.9E-10	4.7E-02	1.4E-02	4.5E-13	3.6E+00	6.0E-07	6.1E-04	1.3E-09	4.7E-02	1.4E-02	8.5E-13
5.8E+00	1.9E-07	6.1E-04	6.7E-10	4.7E-02	1.4E-02	4.3E-13	3.7E+00	6.0E-07	6.1E-04	1.3E-09	4.7E-02	1.4E-02	8.6E-13
5.6E+00	1.9E-07	6.1E-04	6.4E-10	4.7E-02	1.4E-02	4.1E-13	3.7E+00	6.0E-07	6.1E-04	1.3E-09	4.7E-02	1.4E-02	8.6E-13
5.4E+00	1.9E-07	6.1E-04	6.2E-10	4.7E-02	1.4E-02	4.0E-13	3.2E+00	6.0E-07	6.1E-04	1.1E-09	4.7E-02	1.4E-02	7.4E-13
5.3E+00	1.9E-07	6.1E-04	6.2E-10	4.7E-02	1.4E-02	4.0E-13	3.2E+00	6.0E-07	6.1E-04	1.2E-09	4.7E-02	1.4E-02	7.6E-13
5.3E+00	1.9E-07	6.1E-04	6.1E-10	4.7E-02	1.4E-02	3.9E-13	3.3E+00	6.0E-07	6.1E-04	1.2E-09	4.7E-02	1.4E-02	7.7E-13
5.1E+00	1.9E-07	6.1E-04	5.9E-10	4.7E-02	1.4E-02	3.8E-13	3.3E+00	6.0E-07	6.1E-04	1.2E-09	4.7E-02	1.4E-02	7.7E-13
5.0E+00	1.9E-07	6.1E-04	5.7E-10	4.7E-02	1.4E-02	3.7E-13	3.3E+00	6.0E-07	6.1E-04	1.2E-09	4.7E-02	1.4E-02	7.7E-13
4.6E+01	1.9E-07	6.1E-04	5.2E-09	4.7E-02	1.4E-02	3.4E-12	1.9E+01	6.0E-07	6.1E-04	6.9E-09	4.7E-02	1.4E-02	4.5E-12
3.7E+01	1.9E-07	6.1E-04	4.2E-09	4.7E-02	1.4E-02	2.7E-12	1.5E+01	6.0E-07	6.1E-04	5.5E-09	4.7E-02	1.4E-02	3.5E-12
2.9E+01	1.9E-07	6.1E-04	3.3E-09	4.7E-02	1.4E-02	2.1E-12	1.5E+01	6.0E-07	6.1E-04	5.3E-09	4.7E-02	1.4E-02	3.4E-12
2.3E+01	1.9E-07	6.1E-04	2.7E-09	4.7E-02	1.4E-02	1.7E-12	1.4E+01	6.0E-07	6.1E-04	5.0E-09	4.7E-02	1.4E-02	3.2E-12
2.9E+01	1.9E-07	6.1E-04	3.3E-09	4.7E-02	1.4E-02	2.2E-12	1.2E+01	6.0E-07	6.1E-04	4.4E-09	4.7E-02	1.4E-02	2.9E-12
2.4E+01	1.9E-07	6.1E-04	2.7E-09	4.7E-02	1.4E-02	1.8E-12	1.2E+01	6.0E-07	6.1E-04	4.3E-09	4.7E-02	1.4E-02	2.8E-12
2.0E+01	1.9E-07	6.1E-04	2.3E-09	4.7E-02	1.4E-02	1.5E-12	1.1E+01	6.0E-07	6.1E-04	4.2E-09	4.7E-02	1.4E-02	2.7E-12
0.0E+00	1.9E-07	6.1E-04	0.0E+00	4.7E-02	1.4E-02	0.0E+00	0.0E+00	6.0E-07	6.1E-04	0.0E+00	4.7E-02	1.4E-02	0.0E+00

Franklin School Project

Risk From New Building Demo (Port. 1,3,4) - Unmitigated School

Haul Route 1A							Haul Route 2A						
Conc	g/sec	D1	Dose	R1	ED	Risk	Conc	g/sec	D1	Dose	R1	ED	Risk
9.9E+00	1.2E-06	6.1E-04	7.4E-09	4.7E-02	1.4E-02	4.8E-12	8.5E-01	1.3E-07	6.1E-04	6.8E-11	4.7E-02	1.4E-02	4.4E-14
9.6E+00	1.2E-06	6.1E-04	7.2E-09	4.7E-02	1.4E-02	4.6E-12	8.3E-01	1.3E-07	6.1E-04	6.7E-11	4.7E-02	1.4E-02	4.3E-14
8.4E+00	1.2E-06	6.1E-04	6.3E-09	4.7E-02	1.4E-02	4.0E-12	8.2E-01	1.3E-07	6.1E-04	6.5E-11	4.7E-02	1.4E-02	4.2E-14
8.2E+00	1.2E-06	6.1E-04	6.1E-09	4.7E-02	1.4E-02	4.0E-12	8.0E-01	1.3E-07	6.1E-04	6.4E-11	4.7E-02	1.4E-02	4.1E-14
7.2E+00	1.2E-06	6.1E-04	5.4E-09	4.7E-02	1.4E-02	3.5E-12	7.8E-01	1.3E-07	6.1E-04	6.3E-11	4.7E-02	1.4E-02	4.1E-14
7.1E+00	1.2E-06	6.1E-04	5.3E-09	4.7E-02	1.4E-02	3.4E-12	7.7E-01	1.3E-07	6.1E-04	6.1E-11	4.7E-02	1.4E-02	4.0E-14
6.2E+00	1.2E-06	6.1E-04	4.6E-09	4.7E-02	1.4E-02	3.0E-12	7.5E-01	1.3E-07	6.1E-04	6.0E-11	4.7E-02	1.4E-02	3.9E-14
6.2E+00	1.2E-06	6.1E-04	4.6E-09	4.7E-02	1.4E-02	3.0E-12	7.4E-01	1.3E-07	6.1E-04	5.9E-11	4.7E-02	1.4E-02	3.8E-14
5.4E+00	1.2E-06	6.1E-04	4.1E-09	4.7E-02	1.4E-02	2.6E-12	7.2E-01	1.3E-07	6.1E-04	5.8E-11	4.7E-02	1.4E-02	3.7E-14
5.4E+00	1.2E-06	6.1E-04	4.0E-09	4.7E-02	1.4E-02	2.6E-12	7.1E-01	1.3E-07	6.1E-04	5.7E-11	4.7E-02	1.4E-02	3.7E-14
4.8E+00	1.2E-06	6.1E-04	3.6E-09	4.7E-02	1.4E-02	2.3E-12	7.0E-01	1.3E-07	6.1E-04	5.6E-11	4.7E-02	1.4E-02	3.6E-14
4.8E+00	1.2E-06	6.1E-04	3.6E-09	4.7E-02	1.4E-02	2.3E-12	6.8E-01	1.3E-07	6.1E-04	5.5E-11	4.7E-02	1.4E-02	3.5E-14
4.3E+00	1.2E-06	6.1E-04	3.2E-09	4.7E-02	1.4E-02	2.1E-12	6.7E-01	1.3E-07	6.1E-04	5.4E-11	4.7E-02	1.4E-02	3.5E-14
4.3E+00	1.2E-06	6.1E-04	3.2E-09	4.7E-02	1.4E-02	2.1E-12	6.6E-01	1.3E-07	6.1E-04	5.3E-11	4.7E-02	1.4E-02	3.4E-14
1.8E+01	1.2E-06	6.1E-04	1.3E-08	4.7E-02	1.4E-02	8.7E-12	1.0E+00	1.3E-07	6.1E-04	8.2E-11	4.7E-02	1.4E-02	5.3E-14
1.8E+01	1.2E-06	6.1E-04	1.4E-08	4.7E-02	1.4E-02	8.9E-12	1.0E+00	1.3E-07	6.1E-04	8.0E-11	4.7E-02	1.4E-02	5.2E-14
1.8E+01	1.2E-06	6.1E-04	1.4E-08	4.7E-02	1.4E-02	8.8E-12	9.8E-01	1.3E-07	6.1E-04	7.9E-11	4.7E-02	1.4E-02	5.1E-14
1.4E+01	1.2E-06	6.1E-04	1.1E-08	4.7E-02	1.4E-02	6.8E-12	9.8E-01	1.3E-07	6.1E-04	7.8E-11	4.7E-02	1.4E-02	5.1E-14
1.4E+01	1.2E-06	6.1E-04	1.1E-08	4.7E-02	1.4E-02	7.0E-12	9.6E-01	1.3E-07	6.1E-04	7.7E-11	4.7E-02	1.4E-02	5.0E-14
1.4E+01	1.2E-06	6.1E-04	1.1E-08	4.7E-02	1.4E-02	7.0E-12	9.4E-01	1.3E-07	6.1E-04	7.5E-11	4.7E-02	1.4E-02	4.9E-14
1.1E+01	1.2E-06	6.1E-04	8.5E-09	4.7E-02	1.4E-02	5.5E-12	9.4E-01	1.3E-07	6.1E-04	7.5E-11	4.7E-02	1.4E-02	4.8E-14
1.2E+01	1.2E-06	6.1E-04	8.7E-09	4.7E-02	1.4E-02	5.6E-12	9.2E-01	1.3E-07	6.1E-04	7.4E-11	4.7E-02	1.4E-02	4.8E-14
1.2E+01	1.2E-06	6.1E-04	8.8E-09	4.7E-02	1.4E-02	5.7E-12	9.0E-01	1.3E-07	6.1E-04	7.2E-11	4.7E-02	1.4E-02	4.7E-14
9.4E+00	1.2E-06	6.1E-04	7.0E-09	4.7E-02	1.4E-02	4.5E-12	9.0E-01	1.3E-07	6.1E-04	7.2E-11	4.7E-02	1.4E-02	4.6E-14
9.7E+00	1.2E-06	6.1E-04	7.2E-09	4.7E-02	1.4E-02	4.6E-12	8.8E-01	1.3E-07	6.1E-04	7.0E-11	4.7E-02	1.4E-02	4.5E-14
9.7E+00	1.2E-06	6.1E-04	7.2E-09	4.7E-02	1.4E-02	4.7E-12	8.6E-01	1.3E-07	6.1E-04	6.9E-11	4.7E-02	1.4E-02	4.5E-14
7.9E+00	1.2E-06	6.1E-04	5.9E-09	4.7E-02	1.4E-02	3.8E-12	8.6E-01	1.3E-07	6.1E-04	6.9E-11	4.7E-02	1.4E-02	4.4E-14
8.1E+00	1.2E-06	6.1E-04	6.0E-09	4.7E-02	1.4E-02	3.9E-12	8.4E-01	1.3E-07	6.1E-04	6.7E-11	4.7E-02	1.4E-02	4.4E-14
8.2E+00	1.2E-06	6.1E-04	6.1E-09	4.7E-02	1.4E-02	3.9E-12	8.3E-01	1.3E-07	6.1E-04	6.6E-11	4.7E-02	1.4E-02	4.3E-14
7.0E+00	1.2E-06	6.1E-04	5.2E-09	4.7E-02	1.4E-02	3.3E-12	8.3E-01	1.3E-07	6.1E-04	6.6E-11	4.7E-02	1.4E-02	4.3E-14
7.1E+00	1.2E-06	6.1E-04	5.3E-09	4.7E-02	1.4E-02	3.4E-12	8.1E-01	1.3E-07	6.1E-04	6.5E-11	4.7E-02	1.4E-02	4.2E-14
7.2E+00	1.2E-06	6.1E-04	5.4E-09	4.7E-02	1.4E-02	3.5E-12	8.0E-01	1.3E-07	6.1E-04	6.4E-11	4.7E-02	1.4E-02	4.1E-14
6.0E+00	1.2E-06	6.1E-04	4.5E-09	4.7E-02	1.4E-02	2.9E-12	7.9E-01	1.3E-07	6.1E-04	6.4E-11	4.7E-02	1.4E-02	4.1E-14
6.1E+00	1.2E-06	6.1E-04	4.6E-09	4.7E-02	1.4E-02	3.0E-12	7.8E-01	1.3E-07	6.1E-04	6.3E-11	4.7E-02	1.4E-02	4.0E-14
6.2E+00	1.2E-06	6.1E-04	4.6E-09	4.7E-02	1.4E-02	3.0E-12	7.7E-01	1.3E-07	6.1E-04	6.2E-11	4.7E-02	1.4E-02	4.0E-14
5.2E+00	1.2E-06	6.1E-04	3.9E-09	4.7E-02	1.4E-02	2.5E-12	7.6E-01	1.3E-07	6.1E-04	6.1E-11	4.7E-02	1.4E-02	3.9E-14
5.4E+00	1.2E-06	6.1E-04	4.0E-09	4.7E-02	1.4E-02	2.6E-12	7.5E-01	1.3E-07	6.1E-04	6.0E-11	4.7E-02	1.4E-02	3.9E-14
5.4E+00	1.2E-06	6.1E-04	4.0E-09	4.7E-02	1.4E-02	2.6E-12	7.4E-01	1.3E-07	6.1E-04	5.9E-11	4.7E-02	1.4E-02	3.8E-14
4.6E+00	1.2E-06	6.1E-04	3.4E-09	4.7E-02	1.4E-02	2.2E-12	7.3E-01	1.3E-07	6.1E-04	5.9E-11	4.7E-02	1.4E-02	3.8E-14

4.7E+00	1.2E-06	6.1E-04	3.5E-09	4.7E-02	1.4E-02	2.3E-12	7.2E-01	1.3E-07	6.1E-04	5.8E-11	4.7E-02	1.4E-02	3.7E-14
4.8E+00	1.2E-06	6.1E-04	3.6E-09	4.7E-02	1.4E-02	2.3E-12	7.1E-01	1.3E-07	6.1E-04	5.7E-11	4.7E-02	1.4E-02	3.7E-14
4.1E+00	1.2E-06	6.1E-04	3.0E-09	4.7E-02	1.4E-02	2.0E-12	7.0E-01	1.3E-07	6.1E-04	5.6E-11	4.7E-02	1.4E-02	3.6E-14
4.2E+00	1.2E-06	6.1E-04	3.1E-09	4.7E-02	1.4E-02	2.0E-12	6.9E-01	1.3E-07	6.1E-04	5.6E-11	4.7E-02	1.4E-02	3.6E-14
4.2E+00	1.2E-06	6.1E-04	3.2E-09	4.7E-02	1.4E-02	2.0E-12	6.8E-01	1.3E-07	6.1E-04	5.5E-11	4.7E-02	1.4E-02	3.5E-14
3.9E+00	1.2E-06	6.1E-04	2.9E-09	4.7E-02	1.4E-02	1.9E-12	6.9E-01	1.3E-07	6.1E-04	5.5E-11	4.7E-02	1.4E-02	3.6E-14
4.0E+00	1.2E-06	6.1E-04	3.0E-09	4.7E-02	1.4E-02	1.9E-12	6.8E-01	1.3E-07	6.1E-04	5.5E-11	4.7E-02	1.4E-02	3.5E-14
4.1E+00	1.2E-06	6.1E-04	3.0E-09	4.7E-02	1.4E-02	2.0E-12	6.7E-01	1.3E-07	6.1E-04	5.4E-11	4.7E-02	1.4E-02	3.5E-14
4.1E+00	1.2E-06	6.1E-04	3.0E-09	4.7E-02	1.4E-02	2.0E-12	6.6E-01	1.3E-07	6.1E-04	5.3E-11	4.7E-02	1.4E-02	3.4E-14
4.1E+00	1.2E-06	6.1E-04	3.0E-09	4.7E-02	1.4E-02	2.0E-12	6.5E-01	1.3E-07	6.1E-04	5.2E-11	4.7E-02	1.4E-02	3.4E-14
3.5E+00	1.2E-06	6.1E-04	2.6E-09	4.7E-02	1.4E-02	1.7E-12	6.6E-01	1.3E-07	6.1E-04	5.3E-11	4.7E-02	1.4E-02	3.4E-14
3.6E+00	1.2E-06	6.1E-04	2.7E-09	4.7E-02	1.4E-02	1.7E-12	6.5E-01	1.3E-07	6.1E-04	5.2E-11	4.7E-02	1.4E-02	3.4E-14
3.6E+00	1.2E-06	6.1E-04	2.7E-09	4.7E-02	1.4E-02	1.7E-12	6.5E-01	1.3E-07	6.1E-04	5.2E-11	4.7E-02	1.4E-02	3.3E-14
3.7E+00	1.2E-06	6.1E-04	2.7E-09	4.7E-02	1.4E-02	1.8E-12	6.4E-01	1.3E-07	6.1E-04	5.1E-11	4.7E-02	1.4E-02	3.3E-14
3.7E+00	1.2E-06	6.1E-04	2.7E-09	4.7E-02	1.4E-02	1.8E-12	6.2E-01	1.3E-07	6.1E-04	5.0E-11	4.7E-02	1.4E-02	3.2E-14
3.2E+00	1.2E-06	6.1E-04	2.4E-09	4.7E-02	1.4E-02	1.5E-12	6.4E-01	1.3E-07	6.1E-04	5.1E-11	4.7E-02	1.4E-02	3.3E-14
3.2E+00	1.2E-06	6.1E-04	2.4E-09	4.7E-02	1.4E-02	1.6E-12	6.3E-01	1.3E-07	6.1E-04	5.1E-11	4.7E-02	1.4E-02	3.3E-14
3.3E+00	1.2E-06	6.1E-04	2.4E-09	4.7E-02	1.4E-02	1.6E-12	6.2E-01	1.3E-07	6.1E-04	5.0E-11	4.7E-02	1.4E-02	3.2E-14
3.3E+00	1.2E-06	6.1E-04	2.5E-09	4.7E-02	1.4E-02	1.6E-12	6.1E-01	1.3E-07	6.1E-04	4.9E-11	4.7E-02	1.4E-02	3.2E-14
3.3E+00	1.2E-06	6.1E-04	2.5E-09	4.7E-02	1.4E-02	1.6E-12	6.0E-01	1.3E-07	6.1E-04	4.8E-11	4.7E-02	1.4E-02	3.1E-14
1.9E+01	1.2E-06	6.1E-04	1.4E-08	4.7E-02	1.4E-02	9.2E-12	9.9E-01	1.3E-07	6.1E-04	7.9E-11	4.7E-02	1.4E-02	5.1E-14
1.5E+01	1.2E-06	6.1E-04	1.1E-08	4.7E-02	1.4E-02	7.3E-12	9.4E-01	1.3E-07	6.1E-04	7.6E-11	4.7E-02	1.4E-02	4.9E-14
1.5E+01	1.2E-06	6.1E-04	1.1E-08	4.7E-02	1.4E-02	7.0E-12	9.2E-01	1.3E-07	6.1E-04	7.4E-11	4.7E-02	1.4E-02	4.8E-14
1.4E+01	1.2E-06	6.1E-04	1.0E-08	4.7E-02	1.4E-02	6.7E-12	9.0E-01	1.3E-07	6.1E-04	7.2E-11	4.7E-02	1.4E-02	4.7E-14
1.2E+01	1.2E-06	6.1E-04	9.1E-09	4.7E-02	1.4E-02	5.9E-12	9.0E-01	1.3E-07	6.1E-04	7.2E-11	4.7E-02	1.4E-02	4.7E-14
1.2E+01	1.2E-06	6.1E-04	8.9E-09	4.7E-02	1.4E-02	5.7E-12	8.8E-01	1.3E-07	6.1E-04	7.1E-11	4.7E-02	1.4E-02	4.6E-14
1.1E+01	1.2E-06	6.1E-04	8.5E-09	4.7E-02	1.4E-02	5.5E-12	8.6E-01	1.3E-07	6.1E-04	6.9E-11	4.7E-02	1.4E-02	4.5E-14
0.0E+00	1.2E-06	6.1E-04	0.0E+00	4.7E-02	1.4E-02	0.0E+00	0.0E+00	1.3E-07	6.1E-04	0.0E+00	4.7E-02	1.4E-02	0.0E+00

7. Construction Health Risk
e. Mitigated Residential Risk

Construction Health Risk
Mitigated Residential - Assumptions and Risk Summary

Franklin School Project

Mitigated Residential - Construction Health Risk Assumptions

	3rd	0-2	2-16	>16	Units
DBR	361	1090	631	261	L/kg
A	1	1	1	1	no units
EF	0.95890411	0.958904	0.958904	0.958904	years
Constant 1	0.000001	0.000001	0.000001	0.000001	no units
CPF	1.1	1.1	1.1	1.1	mg/kg-day-1
ASF	10	10	3	1	no units
Modernization Const	0.00	0.668	0.00	0.00	years
Modernization AC	0.00	0.274	0.00	0.00	years
Portable Set-up	0.00	0.038	0.00	0.00	years
New Building Demo	0.00	0.055	0.00	0.00	years
New Building Grading	0.00	0.014	0.00	0.00	years
New Building Const	0.00	0.548	0.00	0.00	years
New Building AC	0.00	0.027	0.00	0.00	years
New Building Paving	0.00	0.027	0.00	0.00	years
New Building Demo (Port. 2)	0.00	0.005	0.00	0.00	years
New Building Demo (Port. 1,3,4)	0.00	0.014	0.00	0.00	years
AT	70	70	70	70	years
FAH	1	1	1	0.73	day
Constant 2	1,000,000	1,000,000	1,000,000	1,000,000	no units
Dose Constants:	0.00034616	0.001045	0.000605	0.00025	no units
Risk Constants:	0.15714286	0.157143	0.047143	0.011471	no units

Dose = (Cair X DBR X A X EF X Constant 1)

Cancer Risk = Dose X CPF x ASF x (ED/AT) X FAH

Risk per Million = Cancer Risk X Constant 2

Non-Cancer Hazard Quotent = Average Annual Concentration x Chronic Inhalation REL

Onsite	lbs/day	g/day	g/sec
	Birth to 2 years		
Modernization Const	0.0335	15.195344	0.0003517
Modernization AC	0.0143	6.4863709	0.0001501
Portable Set-up	0	0	0
New Building Demo	0.1077	48.851898	0.0011308
New Building Grading	0.0466	21.137404	0.0004893
New Building Const	0.0823	37.330652	0.0008641
New Building AC	0.0143	6.4863709	0.0001501
New Building Paving	0.0687	31.161796	0.0007213
New Building Demo (Port. 2)	0.0713	32.341136	0.0007486
New Building Demo (Port. 1,3,4)	0.0713	32.341136	0.0007486

Offsite

	Source	Miles	lbs/day	g/day	gr/sec
Mod - Building					
	Haul 1A	0.04256385	2.3323E-05	0.010579	2.45E-07
	Haul 2A	0.13434019	7.3611E-05	0.0333894	7.73E-07
	Haul B	0.27576401	0.0001511	0.0685394	1.59E-06
	Haul C	0.02963935	1.6241E-05	0.0073667	1.71E-07
NB - BC					
	Haul 1A	0.04256385	7.5799E-05	0.0343817	7.96E-07
	Haul 2A	0.13434019	0.00023924	0.1085156	2.51E-06
	Haul B	0.27576401	0.00049109	0.2227531	5.16E-06
	Haul C	0.02963935	5.2782E-05	0.0239417	5.54E-07
Portable Classrooms					
	Haul 1A	0.04256385	1.8111E-05	0.008215	1.9E-07
	Haul 2A	0.13434019	5.7162E-05	0.0259281	6E-07
	Haul B	0.27576401	0.00011734	0.0532234	1.23E-06
	Haul C	0.02963935	1.2612E-05	0.0057205	1.32E-07
NB - Demo					
	Haul 1A	0.04256385	0.00018728	0.0849492	1.97E-06
	Haul 2A	0.13434019	0.0005911	0.268117	6.21E-06
	Haul B	0.27576401	0.00121336	0.5503716	1.27E-05
	Haul C	0.02963935	0.00013041	0.0591544	1.37E-06
NB-Demo (Port. 2)					
	Haul 1A	0.04256385	1.8111E-05	0.008215	1.9E-07
	Haul 2A	0.13434019	5.7162E-05	0.0259281	6E-07
	Haul B	0.27576401	0.00011734	0.0532234	1.23E-06
	Haul C	0.02963935	1.2612E-05	0.0057205	1.32E-07
NB-Demo (Port. 1,3,4)					
	Haul 1A	0.04256385	1.8111E-05	0.008215	1.9E-07
	Haul 2A	0.13434019	5.7162E-05	0.0259281	6E-07
	Haul B	0.27576401	0.00011734	0.0532234	1.23E-06
	Haul C	0.02963935	1.2612E-05	0.0057205	1.32E-07

Franklin School Project

Mitigated Residential - Construction Health Risk Assumptions

Source Name	Description
Haul1A	Haul Route: Copeland from Site to Meade
HaulB	Haul Route: Copeland from Meade Ave to El Cajon Blvd
HaulC	Haul Route: El Cajon Blvd from Site to I-15
Haul2A	Haul Route: Maede form Site to Copeland
MOD	Modernization activities for Buildings 01-01, 02-02, and 02-03
NB1	New Building Demolition and Grading areas
NB2	Building Construction and Architectural Coating Areas
NB3	Paving areas

Construction activities can occur between 7 am and 7 pm Monday through Friday.

Receptor Designations

Residential #43 to 806

RES50 #1 to 272 - Residential receptors with 50 meter spacing

RES10 #273 to #806 - Residential receptors with 10 meter spacing

School

LL #807 to 820 - Onsite receptrs for the library and LLC building - Impacted by all phases

02-02 #821 to 835 - Onsite receptors for building 02-02. Impacted by all but 1/3 of Modernization.

01-01 #836 to 850 - Onsite receptors for building 01-01. Impacted by all but 1/3 of Modernization.

02-03 #851 to 865 - Onsite receptors for building 02-03. Impacted by all but 1/3 of Modernization.

Port #866 to 872 - Onsite receptors for portable buildings. Impacts vary by building

School receptors: Risk for onsite receptors is determined by conservately assuming that all onsite receptors are exposed for the duration of the construction project. However, because modernization requires painting and repairs to classrooms, it is anticipated that students sould be located in the portable classrooms during the time the reparis to their classrooms are occurring. As the portable classrooms are located on the other side of the campus from the new building construction (greatest risk source) risk to students would be similar or lower at the portable classrooms than they would in the library or building 02-03. Also, as a conservative estimate of onsite risk, the Assembly and Administrative building (building 02-03) is evaluated as if it were regular classrooms.

Franklin School Project
Mitigated Residential - Emissions

Onsite

Phase	Start	End	# days	lbs/day PM10	Source		
Mod - Building	1/1/2021	12/08/21	244	0.0335	MOD	Const. Hours	12
Mod - AC	06/01/21	10/18/21	100	0.0143	MOD		
Portable Classrooms	1/1/2021	1/20/2021	14	0.0000	-		
NB - Demo	01/21/19	02/17/21	20	0.1077	NB1		
NB - Grading	02/18/21	02/24/21	5	0.0466	NB1		
NB - BC	02/25/21	12/01/21	200	0.0823	NB2		
NB - AC	11/25/21	12/08/21	10	0.0143	NB2		
NB - Paving	11/25/21	12/08/21	10	0.0687	NB3		
NB-Demo (Port. 2)	12/09/21	12/11/21	2	0.0713	NB1		
NB-Demo (Port. 1,3,4)	12/13/21	12/17/21	5	0.0713	NB1		

Offsite

	Daily Vendor Trips	miles/trip	lbs/day	lbs/day/mile	Haul Trips	miles/trip	lbs/day	lbs/day/mile
Mod - Building	4	7.30	0.004	0.00054795	0	20.00		
Mod - AC	0	7.30			0	20.00		
Portable Classrooms	0	7.30			10	20.00	8.51E-03	0.000426
NB - Demo	0	7.30			205	20.00	0.088	0.004400
NB - Grading	0	7.30			0	20.00		
NB - BC	12	7.30	0.013	0.00178082	0	20.00		
NB - AC	0	7.30			0	20.00		
NB - Paving	0	7.30			0	20.00		
NB-Demo (Port. 2)	0	7.30			6	20.00	8.51E-03	0.000426
NB-Demo (Port. 1,3,4)	0	7.30			15	20.00	8.51E-03	0.000426

Source	Meters	Miles
Haul 1A	68.50	0.04
Haul 2A	216.20	0.13
Haul B	443.80	0.28
Haul C	47.70	0.03

Franklin School Project

Mitigated Residential - Residential Construction Cancer Risk Summary

666	Receptor
6.58	Max

Receptor #	X	Y	Total	Mod BC	Mod AC	Port	Demo	Grad	BC	0.00	Pav	Demo-Port. 2	Demo-Port. 1,3,4
1	489960	3624026	0.03	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
2	490010	3624026	0.03	0.01	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00
3	490060	3624026	0.03	0.01	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00
4	490110	3624026	0.04	0.01	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00
5	490160	3624026	0.04	0.01	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00
6	490210	3624026	0.04	0.01	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00
7	490260	3624026	0.05	0.01	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00
8	490310	3624026	0.05	0.02	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00
9	490360	3624026	0.05	0.02	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00
10	490410	3624026	0.05	0.02	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00
11	490460	3624026	0.06	0.02	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00
12	490510	3624026	0.06	0.02	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00
13	490560	3624026	0.06	0.02	0.00	0.00	0.01	0.00	0.03	0.00	0.00	0.00	0.00
14	490610	3624026	0.07	0.02	0.00	0.00	0.01	0.00	0.03	0.00	0.00	0.00	0.00
15	490660	3624026	0.07	0.02	0.00	0.00	0.01	0.00	0.03	0.00	0.00	0.00	0.00
16	490710	3624026	0.07	0.02	0.00	0.00	0.01	0.00	0.04	0.00	0.00	0.00	0.00
17	489960	3624076	0.03	0.01	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00
18	490010	3624076	0.04	0.01	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00
19	490060	3624076	0.04	0.01	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00
20	490110	3624076	0.04	0.01	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00
21	490160	3624076	0.05	0.02	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00
22	490210	3624076	0.05	0.02	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00
23	490260	3624076	0.06	0.02	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00
24	490310	3624076	0.06	0.02	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00
25	490360	3624076	0.06	0.02	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00
26	490410	3624076	0.07	0.02	0.00	0.00	0.01	0.00	0.03	0.00	0.00	0.00	0.00
27	490460	3624076	0.07	0.02	0.00	0.00	0.01	0.00	0.04	0.00	0.00	0.00	0.00
28	490510	3624076	0.08	0.03	0.00	0.00	0.01	0.00	0.04	0.00	0.00	0.00	0.00
29	490560	3624076	0.08	0.03	0.00	0.00	0.01	0.00	0.04	0.00	0.00	0.00	0.00
30	490610	3624076	0.09	0.03	0.00	0.00	0.01	0.00	0.04	0.00	0.00	0.00	0.00
31	490660	3624076	0.09	0.03	0.00	0.00	0.01	0.00	0.04	0.00	0.00	0.00	0.00
32	490710	3624076	0.09	0.03	0.00	0.00	0.01	0.00	0.04	0.00	0.00	0.00	0.00
33	489960	3624126	0.04	0.01	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00
34	490010	3624126	0.04	0.01	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00
35	490060	3624126	0.05	0.02	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00
36	490110	3624126	0.05	0.02	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00
37	490160	3624126	0.06	0.02	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00
38	490210	3624126	0.07	0.02	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00
39	490260	3624126	0.07	0.03	0.00	0.00	0.01	0.00	0.03	0.00	0.00	0.00	0.00
40	490310	3624126	0.08	0.03	0.00	0.00	0.01	0.00	0.04	0.00	0.00	0.00	0.00
41	490360	3624126	0.08	0.03	0.00	0.00	0.01	0.00	0.04	0.00	0.00	0.00	0.00
42	490410	3624126	0.09	0.03	0.01	0.00	0.01	0.00	0.04	0.00	0.00	0.00	0.00
43	490460	3624126	0.10	0.03	0.01	0.00	0.01	0.00	0.05	0.00	0.00	0.00	0.00
44	490510	3624126	0.10	0.03	0.01	0.00	0.01	0.00	0.05	0.00	0.00	0.00	0.00

Franklin School Project

Mitigated Residential - Residential Construction Cancer Risk Summary

666	Receptor
6.58	Max

Receptor #	X	Y	Total	Mod BC	Mod AC	Port	Demo	Grad	BC	0.00	Pav	Demo-Port. 2	Demo-Port. 1,3,4
45	490560	3624126	0.11	0.03	0.01	0.00	0.01	0.00	0.05	0.00	0.00	0.00	0.00
46	490610	3624126	0.11	0.03	0.01	0.00	0.01	0.00	0.05	0.00	0.00	0.00	0.00
47	490660	3624126	0.11	0.03	0.01	0.00	0.01	0.00	0.06	0.00	0.00	0.00	0.00
48	490710	3624126	0.11	0.03	0.01	0.00	0.01	0.00	0.06	0.00	0.00	0.00	0.00
49	489960	3624176	0.04	0.01	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00
50	490010	3624176	0.05	0.02	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00
51	490060	3624176	0.05	0.02	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00
52	490110	3624176	0.06	0.02	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00
53	490160	3624176	0.07	0.03	0.00	0.00	0.01	0.00	0.03	0.00	0.00	0.00	0.00
54	490210	3624176	0.08	0.03	0.00	0.00	0.01	0.00	0.04	0.00	0.00	0.00	0.00
55	490260	3624176	0.09	0.03	0.01	0.00	0.01	0.00	0.04	0.00	0.00	0.00	0.00
56	490310	3624176	0.10	0.04	0.01	0.00	0.01	0.00	0.05	0.00	0.00	0.00	0.00
57	490360	3624176	0.11	0.04	0.01	0.00	0.01	0.00	0.05	0.00	0.00	0.00	0.00
58	490410	3624176	0.12	0.04	0.01	0.00	0.01	0.00	0.06	0.00	0.00	0.00	0.00
59	490460	3624176	0.13	0.05	0.01	0.00	0.01	0.00	0.06	0.00	0.00	0.00	0.00
60	490510	3624176	0.14	0.05	0.01	0.00	0.01	0.00	0.07	0.00	0.00	0.00	0.00
61	490560	3624176	0.14	0.05	0.01	0.00	0.01	0.00	0.07	0.00	0.00	0.00	0.00
62	490610	3624176	0.14	0.04	0.01	0.00	0.01	0.00	0.07	0.00	0.00	0.00	0.00
63	490660	3624176	0.14	0.04	0.01	0.00	0.01	0.00	0.07	0.00	0.00	0.00	0.00
64	490710	3624176	0.13	0.04	0.01	0.00	0.01	0.00	0.07	0.00	0.00	0.00	0.00
65	489960	3624226	0.05	0.02	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00
66	490010	3624226	0.05	0.02	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00
67	490060	3624226	0.07	0.02	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00
68	490110	3624226	0.08	0.03	0.00	0.00	0.01	0.00	0.04	0.00	0.00	0.00	0.00
69	490160	3624226	0.09	0.03	0.01	0.00	0.01	0.00	0.04	0.00	0.00	0.00	0.00
70	490210	3624226	0.11	0.04	0.01	0.00	0.01	0.00	0.05	0.00	0.00	0.00	0.00
71	490260	3624226	0.13	0.05	0.01	0.00	0.01	0.00	0.06	0.00	0.00	0.00	0.00
72	490310	3624226	0.14	0.05	0.01	0.00	0.01	0.00	0.06	0.00	0.00	0.00	0.00
73	490360	3624226	0.16	0.06	0.01	0.00	0.01	0.00	0.07	0.00	0.00	0.00	0.00
74	490410	3624226	0.18	0.06	0.01	0.00	0.01	0.00	0.08	0.00	0.00	0.00	0.00
75	490460	3624226	0.19	0.07	0.01	0.00	0.02	0.00	0.09	0.00	0.01	0.00	0.00
76	490510	3624226	0.20	0.06	0.01	0.00	0.02	0.00	0.09	0.00	0.01	0.00	0.00
77	490560	3624226	0.19	0.06	0.01	0.00	0.02	0.00	0.10	0.00	0.01	0.00	0.00
78	490610	3624226	0.19	0.05	0.01	0.00	0.02	0.00	0.10	0.00	0.00	0.00	0.00
79	490660	3624226	0.17	0.05	0.01	0.00	0.01	0.00	0.09	0.00	0.00	0.00	0.00
80	490710	3624226	0.16	0.04	0.01	0.00	0.01	0.00	0.09	0.00	0.00	0.00	0.00
81	489960	3624276	0.05	0.02	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00
82	490010	3624276	0.06	0.02	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00
83	490060	3624276	0.08	0.03	0.00	0.00	0.01	0.00	0.04	0.00	0.00	0.00	0.00
84	490110	3624276	0.10	0.04	0.01	0.00	0.01	0.00	0.04	0.00	0.00	0.00	0.00
85	490160	3624276	0.12	0.05	0.01	0.00	0.01	0.00	0.05	0.00	0.00	0.00	0.00
86	490210	3624276	0.15	0.06	0.01	0.00	0.01	0.00	0.06	0.00	0.00	0.00	0.00
87	490260	3624276	0.19	0.07	0.01	0.00	0.01	0.00	0.08	0.00	0.00	0.00	0.00
88	490310	3624276	0.22	0.08	0.01	0.00	0.02	0.00	0.09	0.00	0.01	0.00	0.00

Franklin School Project

Mitigated Residential - Residential Construction Cancer Risk Summary

666	Receptor
6.58	Max

Receptor #	X	Y	Total	Mod BC	Mod AC	Port	Demo	Grad	BC	0.00	Pav	Demo-Port. 2	Demo-Port. 1,3,4
89	490360	3624276	0.25	0.09	0.02	0.00	0.02	0.00	0.10	0.00	0.01	0.00	0.00
90	490410	3624276	0.27	0.10	0.02	0.00	0.02	0.00	0.12	0.00	0.01	0.00	0.00
91	490460	3624276	0.28	0.10	0.02	0.00	0.03	0.00	0.13	0.00	0.01	0.00	0.00
92	490510	3624276	0.28	0.09	0.02	0.00	0.02	0.00	0.14	0.00	0.01	0.00	0.00
93	490560	3624276	0.27	0.08	0.01	0.00	0.02	0.00	0.14	0.00	0.01	0.00	0.00
94	490610	3624276	0.24	0.06	0.01	0.00	0.02	0.00	0.13	0.00	0.01	0.00	0.00
95	490660	3624276	0.21	0.05	0.01	0.00	0.02	0.00	0.12	0.00	0.01	0.00	0.00
96	490710	3624276	0.18	0.05	0.01	0.00	0.01	0.00	0.10	0.00	0.00	0.00	0.00
97	489960	3624326	0.06	0.02	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00
98	490010	3624326	0.07	0.03	0.00	0.00	0.01	0.00	0.03	0.00	0.00	0.00	0.00
99	490060	3624326	0.09	0.03	0.01	0.00	0.01	0.00	0.04	0.00	0.00	0.00	0.00
100	490110	3624326	0.12	0.05	0.01	0.00	0.01	0.00	0.05	0.00	0.00	0.00	0.00
101	490160	3624326	0.16	0.06	0.01	0.00	0.01	0.00	0.07	0.00	0.00	0.00	0.00
102	490210	3624326	0.22	0.09	0.02	0.00	0.02	0.00	0.09	0.00	0.01	0.00	0.00
103	490260	3624326	0.32	0.12	0.02	0.00	0.03	0.00	0.14	0.00	0.01	0.00	0.00
104	490310	3624326	0.40	0.15	0.03	0.00	0.04	0.00	0.16	0.00	0.01	0.00	0.00
105	490360	3624326	0.43	0.17	0.03	0.00	0.04	0.00	0.16	0.00	0.01	0.00	0.01
106	490410	3624326	0.45	0.16	0.03	0.00	0.04	0.00	0.19	0.00	0.01	0.00	0.01
107	490460	3624326	0.44	0.14	0.02	0.00	0.04	0.00	0.20	0.00	0.01	0.00	0.01
108	490510	3624326	0.41	0.12	0.02	0.00	0.04	0.00	0.21	0.00	0.01	0.00	0.01
109	490560	3624326	0.36	0.09	0.02	0.00	0.03	0.00	0.20	0.00	0.01	0.00	0.01
110	490610	3624326	0.30	0.07	0.01	0.00	0.02	0.00	0.17	0.00	0.01	0.00	0.00
111	490660	3624326	0.25	0.06	0.01	0.00	0.02	0.00	0.15	0.00	0.01	0.00	0.00
112	490710	3624326	0.20	0.05	0.01	0.00	0.02	0.00	0.12	0.00	0.00	0.00	0.00
113	489960	3624376	0.06	0.02	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00
114	490010	3624376	0.08	0.03	0.01	0.00	0.01	0.00	0.04	0.00	0.00	0.00	0.00
115	490060	3624376	0.11	0.04	0.01	0.00	0.01	0.00	0.05	0.00	0.00	0.00	0.00
116	490110	3624376	0.15	0.06	0.01	0.00	0.01	0.00	0.06	0.00	0.00	0.00	0.00
117	490160	3624376	0.22	0.09	0.02	0.00	0.01	0.00	0.09	0.00	0.00	0.00	0.00
118	490410	3624376	0.79	0.27	0.05	0.00	0.09	0.01	0.34	0.00	0.03	0.01	0.01
119	490460	3624376	0.70	0.19	0.03	0.00	0.07	0.01	0.36	0.00	0.02	0.00	0.01
120	490510	3624376	0.58	0.14	0.02	0.00	0.05	0.01	0.33	0.00	0.02	0.00	0.01
121	490560	3624376	0.46	0.10	0.02	0.00	0.04	0.00	0.27	0.00	0.01	0.00	0.01
122	490610	3624376	0.36	0.08	0.01	0.00	0.03	0.00	0.21	0.00	0.01	0.00	0.00
123	490660	3624376	0.28	0.06	0.01	0.00	0.02	0.00	0.17	0.00	0.01	0.00	0.00
124	490710	3624376	0.22	0.05	0.01	0.00	0.02	0.00	0.13	0.00	0.01	0.00	0.00
125	489960	3624426	0.07	0.02	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00
126	490010	3624426	0.09	0.03	0.01	0.00	0.01	0.00	0.04	0.00	0.00	0.00	0.00
127	490060	3624426	0.12	0.05	0.01	0.00	0.01	0.00	0.05	0.00	0.00	0.00	0.00
128	490110	3624426	0.18	0.07	0.01	0.00	0.01	0.00	0.07	0.00	0.00	0.00	0.00
129	490160	3624426	0.28	0.13	0.02	0.00	0.02	0.00	0.10	0.00	0.01	0.00	0.00
130	490410	3624426	1.46	0.37	0.07	0.00	0.17	0.02	0.73	0.01	0.05	0.01	0.03
131	490460	3624426	1.10	0.23	0.04	0.00	0.10	0.01	0.65	0.01	0.03	0.01	0.02
132	490510	3624426	0.77	0.15	0.03	0.00	0.06	0.01	0.48	0.00	0.02	0.00	0.01

Franklin School Project

Mitigated Residential - Residential Construction Cancer Risk Summary

666	Receptor
6.58	Max

Receptor #	X	Y	Total	Mod BC	Mod AC	Port	Demo	Grad	BC	0.00	Pav	Demo-Port. 2	Demo-Port. 1,3,4
133	490560	3624426	0.54	0.11	0.02	0.00	0.04	0.00	0.34	0.00	0.01	0.00	0.01
134	490610	3624426	0.39	0.08	0.01	0.00	0.03	0.00	0.25	0.00	0.01	0.00	0.00
135	490660	3624426	0.29	0.06	0.01	0.00	0.02	0.00	0.18	0.00	0.01	0.00	0.00
136	490710	3624426	0.22	0.04	0.01	0.00	0.02	0.00	0.14	0.00	0.00	0.00	0.00
137	489960	3624476	0.07	0.02	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00
138	490010	3624476	0.09	0.03	0.01	0.00	0.01	0.00	0.04	0.00	0.00	0.00	0.00
139	490060	3624476	0.13	0.05	0.01	0.00	0.01	0.00	0.06	0.00	0.00	0.00	0.00
140	490110	3624476	0.20	0.08	0.01	0.00	0.01	0.00	0.08	0.00	0.00	0.00	0.00
141	490160	3624476	0.32	0.14	0.03	0.00	0.02	0.00	0.12	0.00	0.01	0.00	0.00
142	490410	3624476	2.72	0.40	0.07	0.00	0.26	0.03	1.81	0.02	0.07	0.02	0.04
143	490460	3624476	1.52	0.22	0.04	0.00	0.12	0.01	1.05	0.01	0.04	0.01	0.02
144	490510	3624476	0.88	0.14	0.02	0.00	0.07	0.01	0.60	0.01	0.02	0.00	0.01
145	490560	3624476	0.57	0.10	0.02	0.00	0.04	0.00	0.38	0.00	0.01	0.00	0.01
146	490610	3624476	0.38	0.07	0.01	0.00	0.03	0.00	0.25	0.00	0.01	0.00	0.00
147	490660	3624476	0.27	0.05	0.01	0.00	0.02	0.00	0.17	0.00	0.01	0.00	0.00
148	490710	3624476	0.20	0.04	0.01	0.00	0.01	0.00	0.13	0.00	0.00	0.00	0.00
149	489960	3624526	0.07	0.02	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00
150	490010	3624526	0.09	0.03	0.01	0.00	0.01	0.00	0.04	0.00	0.00	0.00	0.00
151	490060	3624526	0.13	0.05	0.01	0.00	0.01	0.00	0.06	0.00	0.00	0.00	0.00
152	490110	3624526	0.19	0.08	0.01	0.00	0.01	0.00	0.08	0.00	0.00	0.00	0.00
153	490160	3624526	0.32	0.14	0.02	0.00	0.02	0.00	0.13	0.00	0.01	0.00	0.00
154	490410	3624526	5.45	0.36	0.06	0.00	0.39	0.04	4.35	0.04	0.11	0.03	0.06
155	490460	3624526	1.61	0.19	0.03	0.00	0.12	0.01	1.19	0.01	0.03	0.01	0.02
156	490510	3624526	0.78	0.12	0.02	0.00	0.06	0.01	0.55	0.00	0.02	0.00	0.01
157	490560	3624526	0.50	0.08	0.01	0.00	0.04	0.00	0.34	0.00	0.01	0.00	0.01
158	490610	3624526	0.33	0.06	0.01	0.00	0.02	0.00	0.22	0.00	0.01	0.00	0.00
159	490660	3624526	0.23	0.05	0.01	0.00	0.02	0.00	0.15	0.00	0.01	0.00	0.00
160	490710	3624526	0.17	0.04	0.01	0.00	0.01	0.00	0.11	0.00	0.00	0.00	0.00
161	489960	3624576	0.06	0.02	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00
162	490010	3624576	0.09	0.03	0.01	0.00	0.01	0.00	0.04	0.00	0.00	0.00	0.00
163	490060	3624576	0.12	0.04	0.01	0.00	0.01	0.00	0.05	0.00	0.00	0.00	0.00
164	490110	3624576	0.18	0.07	0.01	0.00	0.01	0.00	0.08	0.00	0.00	0.00	0.00
165	490160	3624576	0.29	0.11	0.02	0.00	0.02	0.00	0.13	0.00	0.01	0.00	0.00
166	490210	3624576	0.55	0.24	0.04	0.00	0.03	0.00	0.22	0.00	0.01	0.00	0.00
167	490260	3624576	1.29	0.60	0.10	0.00	0.06	0.01	0.49	0.00	0.02	0.00	0.01
168	490310	3624576	3.03	0.90	0.16	0.00	0.15	0.02	1.70	0.01	0.05	0.01	0.03
169	490360	3624576	4.50	0.47	0.08	0.00	0.25	0.03	3.51	0.03	0.07	0.02	0.04
170	490410	3624576	2.52	0.25	0.04	0.00	0.16	0.02	1.95	0.02	0.05	0.01	0.03
171	490460	3624576	1.14	0.15	0.03	0.00	0.08	0.01	0.83	0.01	0.02	0.01	0.01
172	490510	3624576	0.57	0.09	0.02	0.00	0.04	0.00	0.40	0.00	0.01	0.00	0.01
173	490560	3624576	0.37	0.06	0.01	0.00	0.03	0.00	0.25	0.00	0.01	0.00	0.00
174	490610	3624576	0.27	0.05	0.01	0.00	0.02	0.00	0.18	0.00	0.01	0.00	0.00
175	490660	3624576	0.20	0.04	0.01	0.00	0.01	0.00	0.13	0.00	0.00	0.00	0.00
176	490710	3624576	0.15	0.03	0.01	0.00	0.01	0.00	0.09	0.00	0.00	0.00	0.00

Franklin School Project

Mitigated Residential - Residential Construction Cancer Risk Summary

666	Receptor
6.58	Max

Receptor #	X	Y	Total	Mod BC	Mod AC	Port	Demo	Grad	BC	0.00	Pav	Demo-Port. 2	Demo-Port. 1,3,4
177	489960	3624626	0.06	0.02	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00
178	490010	3624626	0.08	0.03	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00
179	490060	3624626	0.10	0.04	0.01	0.00	0.01	0.00	0.05	0.00	0.00	0.00	0.00
180	490110	3624626	0.15	0.05	0.01	0.00	0.01	0.00	0.07	0.00	0.00	0.00	0.00
181	490160	3624626	0.23	0.09	0.01	0.00	0.01	0.00	0.11	0.00	0.00	0.00	0.00
182	490210	3624626	0.38	0.14	0.02	0.00	0.02	0.00	0.18	0.00	0.01	0.00	0.00
183	490260	3624626	0.65	0.23	0.04	0.00	0.04	0.00	0.32	0.00	0.01	0.00	0.01
184	490310	3624626	1.06	0.29	0.05	0.00	0.06	0.01	0.61	0.01	0.02	0.00	0.01
185	490360	3624626	1.33	0.24	0.04	0.00	0.08	0.01	0.90	0.01	0.02	0.01	0.01
186	490410	3624626	1.09	0.16	0.03	0.00	0.07	0.01	0.78	0.01	0.02	0.00	0.01
187	490460	3624626	0.72	0.11	0.02	0.00	0.05	0.01	0.50	0.00	0.01	0.00	0.01
188	490510	3624626	0.46	0.08	0.01	0.00	0.03	0.00	0.31	0.00	0.01	0.00	0.01
189	490560	3624626	0.29	0.05	0.01	0.00	0.02	0.00	0.19	0.00	0.01	0.00	0.00
190	490610	3624626	0.22	0.04	0.01	0.00	0.02	0.00	0.14	0.00	0.00	0.00	0.00
191	490660	3624626	0.17	0.03	0.01	0.00	0.01	0.00	0.11	0.00	0.00	0.00	0.00
192	490710	3624626	0.13	0.03	0.00	0.00	0.01	0.00	0.08	0.00	0.00	0.00	0.00
193	489960	3624676	0.06	0.02	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00
194	490010	3624676	0.07	0.02	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00
195	490060	3624676	0.10	0.03	0.01	0.00	0.01	0.00	0.05	0.00	0.00	0.00	0.00
196	490110	3624676	0.13	0.04	0.01	0.00	0.01	0.00	0.06	0.00	0.00	0.00	0.00
197	490160	3624676	0.18	0.06	0.01	0.00	0.01	0.00	0.09	0.00	0.00	0.00	0.00
198	490210	3624676	0.26	0.09	0.02	0.00	0.02	0.00	0.13	0.00	0.01	0.00	0.00
199	490260	3624676	0.39	0.12	0.02	0.00	0.02	0.00	0.21	0.00	0.01	0.00	0.00
200	490310	3624676	0.54	0.15	0.03	0.00	0.03	0.00	0.31	0.00	0.01	0.00	0.01
201	490360	3624676	0.64	0.14	0.02	0.00	0.04	0.00	0.40	0.00	0.01	0.00	0.01
202	490410	3624676	0.58	0.11	0.02	0.00	0.04	0.00	0.39	0.00	0.01	0.00	0.01
203	490460	3624676	0.44	0.08	0.01	0.00	0.03	0.00	0.29	0.00	0.01	0.00	0.00
204	490510	3624676	0.33	0.06	0.01	0.00	0.02	0.00	0.22	0.00	0.01	0.00	0.00
205	490560	3624676	0.24	0.05	0.01	0.00	0.02	0.00	0.16	0.00	0.01	0.00	0.00
206	490610	3624676	0.17	0.04	0.01	0.00	0.01	0.00	0.11	0.00	0.00	0.00	0.00
207	490660	3624676	0.14	0.03	0.01	0.00	0.01	0.00	0.09	0.00	0.00	0.00	0.00
208	490710	3624676	0.11	0.02	0.00	0.00	0.01	0.00	0.07	0.00	0.00	0.00	0.00
209	489960	3624726	0.05	0.02	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00
210	490010	3624726	0.07	0.02	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00
211	490060	3624726	0.08	0.03	0.00	0.00	0.01	0.00	0.04	0.00	0.00	0.00	0.00
212	490110	3624726	0.11	0.03	0.01	0.00	0.01	0.00	0.05	0.00	0.00	0.00	0.00
213	490160	3624726	0.14	0.05	0.01	0.00	0.01	0.00	0.07	0.00	0.00	0.00	0.00
214	490210	3624726	0.19	0.06	0.01	0.00	0.01	0.00	0.10	0.00	0.00	0.00	0.00
215	490260	3624726	0.26	0.08	0.01	0.00	0.02	0.00	0.14	0.00	0.01	0.00	0.00
216	490310	3624726	0.33	0.09	0.02	0.00	0.02	0.00	0.19	0.00	0.01	0.00	0.00
217	490360	3624726	0.37	0.09	0.02	0.00	0.02	0.00	0.23	0.00	0.01	0.00	0.00
218	490410	3624726	0.36	0.08	0.01	0.00	0.02	0.00	0.23	0.00	0.01	0.00	0.00
219	490460	3624726	0.32	0.06	0.01	0.00	0.02	0.00	0.21	0.00	0.01	0.00	0.00
220	490510	3624726	0.26	0.05	0.01	0.00	0.02	0.00	0.17	0.00	0.01	0.00	0.00

Franklin School Project

Mitigated Residential - Residential Construction Cancer Risk Summary

666	Receptor
6.58	Max

Receptor #	X	Y	Total	Mod BC	Mod AC	Port	Demo	Grad	BC	0.00	Pav	Demo-Port. 2	Demo-Port. 1,3,4
221	490560	3624726	0.21	0.04	0.01	0.00	0.01	0.00	0.13	0.00	0.00	0.00	0.00
222	490610	3624726	0.15	0.03	0.01	0.00	0.01	0.00	0.09	0.00	0.00	0.00	0.00
223	490660	3624726	0.12	0.03	0.00	0.00	0.01	0.00	0.07	0.00	0.00	0.00	0.00
224	490710	3624726	0.10	0.02	0.00	0.00	0.01	0.00	0.06	0.00	0.00	0.00	0.00
225	489960	3624776	0.05	0.02	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00
226	490010	3624776	0.06	0.02	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00
227	490060	3624776	0.07	0.02	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00
228	490110	3624776	0.09	0.03	0.00	0.00	0.01	0.00	0.05	0.00	0.00	0.00	0.00
229	490160	3624776	0.11	0.04	0.01	0.00	0.01	0.00	0.06	0.00	0.00	0.00	0.00
230	490210	3624776	0.15	0.04	0.01	0.00	0.01	0.00	0.08	0.00	0.00	0.00	0.00
231	490260	3624776	0.19	0.05	0.01	0.00	0.01	0.00	0.10	0.00	0.00	0.00	0.00
232	490310	3624776	0.22	0.06	0.01	0.00	0.01	0.00	0.13	0.00	0.00	0.00	0.00
233	490360	3624776	0.25	0.06	0.01	0.00	0.02	0.00	0.15	0.00	0.00	0.00	0.00
234	490410	3624776	0.25	0.06	0.01	0.00	0.02	0.00	0.15	0.00	0.01	0.00	0.00
235	490460	3624776	0.23	0.05	0.01	0.00	0.02	0.00	0.15	0.00	0.00	0.00	0.00
236	490510	3624776	0.20	0.04	0.01	0.00	0.01	0.00	0.13	0.00	0.00	0.00	0.00
237	490560	3624776	0.17	0.04	0.01	0.00	0.01	0.00	0.11	0.00	0.00	0.00	0.00
238	490610	3624776	0.14	0.03	0.01	0.00	0.01	0.00	0.09	0.00	0.00	0.00	0.00
239	490660	3624776	0.10	0.02	0.00	0.00	0.01	0.00	0.06	0.00	0.00	0.00	0.00
240	490710	3624776	0.09	0.02	0.00	0.00	0.01	0.00	0.05	0.00	0.00	0.00	0.00
241	489960	3624826	0.04	0.01	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00
242	490010	3624826	0.05	0.02	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00
243	490060	3624826	0.06	0.02	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00
244	490110	3624826	0.07	0.02	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00
245	490160	3624826	0.09	0.03	0.00	0.00	0.01	0.00	0.05	0.00	0.00	0.00	0.00
246	490210	3624826	0.11	0.03	0.01	0.00	0.01	0.00	0.06	0.00	0.00	0.00	0.00
247	490260	3624826	0.14	0.04	0.01	0.00	0.01	0.00	0.08	0.00	0.00	0.00	0.00
248	490310	3624826	0.16	0.04	0.01	0.00	0.01	0.00	0.09	0.00	0.00	0.00	0.00
249	490360	3624826	0.18	0.04	0.01	0.00	0.01	0.00	0.10	0.00	0.00	0.00	0.00
250	490410	3624826	0.18	0.04	0.01	0.00	0.01	0.00	0.11	0.00	0.00	0.00	0.00
251	490460	3624826	0.17	0.04	0.01	0.00	0.01	0.00	0.11	0.00	0.00	0.00	0.00
252	490510	3624826	0.16	0.04	0.01	0.00	0.01	0.00	0.10	0.00	0.00	0.00	0.00
253	490560	3624826	0.14	0.03	0.01	0.00	0.01	0.00	0.09	0.00	0.00	0.00	0.00
254	490610	3624826	0.12	0.03	0.00	0.00	0.01	0.00	0.07	0.00	0.00	0.00	0.00
255	490660	3624826	0.10	0.02	0.00	0.00	0.01	0.00	0.06	0.00	0.00	0.00	0.00
256	490710	3624826	0.08	0.02	0.00	0.00	0.01	0.00	0.05	0.00	0.00	0.00	0.00
257	489960	3624876	0.04	0.01	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00
258	490010	3624876	0.05	0.01	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00
259	490060	3624876	0.05	0.02	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00
260	490110	3624876	0.06	0.02	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00
261	490160	3624876	0.08	0.02	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00
262	490210	3624876	0.09	0.03	0.00	0.00	0.01	0.00	0.05	0.00	0.00	0.00	0.00
263	490260	3624876	0.11	0.03	0.01	0.00	0.01	0.00	0.06	0.00	0.00	0.00	0.00
264	490310	3624876	0.12	0.03	0.01	0.00	0.01	0.00	0.07	0.00	0.00	0.00	0.00

Franklin School Project

Mitigated Residential - Residential Construction Cancer Risk Summary

666	Receptor
6.58	Max

Receptor #	X	Y	Total	Mod BC	Mod AC	Port	Demo	Grad	BC	0.00	Pav	Demo-Port. 2	Demo-Port. 1,3,4
265	490360	3624876	0.13	0.03	0.01	0.00	0.01	0.00	0.08	0.00	0.00	0.00	0.00
266	490410	3624876	0.14	0.03	0.01	0.00	0.01	0.00	0.08	0.00	0.00	0.00	0.00
267	490460	3624876	0.13	0.03	0.01	0.00	0.01	0.00	0.08	0.00	0.00	0.00	0.00
268	490510	3624876	0.12	0.03	0.01	0.00	0.01	0.00	0.08	0.00	0.00	0.00	0.00
269	490560	3624876	0.11	0.03	0.00	0.00	0.01	0.00	0.07	0.00	0.00	0.00	0.00
270	490610	3624876	0.10	0.02	0.00	0.00	0.01	0.00	0.06	0.00	0.00	0.00	0.00
271	490660	3624876	0.09	0.02	0.00	0.00	0.01	0.00	0.05	0.00	0.00	0.00	0.00
272	490710	3624876	0.07	0.02	0.00	0.00	0.01	0.00	0.04	0.00	0.00	0.00	0.00
273	490210	3624326	0.22	0.09	0.02	0.00	0.02	0.00	0.09	0.00	0.01	0.00	0.00
274	490220	3624326	0.24	0.10	0.02	0.00	0.02	0.00	0.10	0.00	0.01	0.00	0.00
275	490230	3624326	0.26	0.11	0.02	0.00	0.02	0.00	0.10	0.00	0.01	0.00	0.00
276	490240	3624326	0.28	0.11	0.02	0.00	0.02	0.00	0.11	0.00	0.01	0.00	0.00
277	490250	3624326	0.30	0.12	0.02	0.00	0.03	0.00	0.13	0.00	0.01	0.00	0.00
278	490260	3624326	0.32	0.12	0.02	0.00	0.03	0.00	0.14	0.00	0.01	0.00	0.00
279	490270	3624326	0.35	0.13	0.02	0.00	0.03	0.00	0.15	0.00	0.01	0.00	0.00
280	490280	3624326	0.37	0.14	0.02	0.00	0.03	0.00	0.15	0.00	0.01	0.00	0.00
281	490290	3624326	0.38	0.14	0.02	0.00	0.03	0.00	0.16	0.00	0.01	0.00	0.00
282	490300	3624326	0.39	0.15	0.02	0.00	0.04	0.00	0.16	0.00	0.01	0.00	0.00
283	490310	3624326	0.40	0.15	0.03	0.00	0.04	0.00	0.16	0.00	0.01	0.00	0.00
284	490320	3624326	0.40	0.16	0.03	0.00	0.04	0.00	0.16	0.00	0.01	0.00	0.00
285	490330	3624326	0.41	0.16	0.03	0.00	0.04	0.00	0.16	0.00	0.01	0.00	0.00
286	490340	3624326	0.41	0.17	0.03	0.00	0.04	0.00	0.16	0.00	0.01	0.00	0.01
287	490350	3624326	0.42	0.17	0.03	0.00	0.04	0.00	0.16	0.00	0.01	0.00	0.01
288	490360	3624326	0.43	0.17	0.03	0.00	0.04	0.00	0.16	0.00	0.01	0.00	0.01
289	490370	3624326	0.43	0.17	0.03	0.00	0.04	0.00	0.17	0.00	0.01	0.00	0.01
290	490380	3624326	0.44	0.17	0.03	0.00	0.04	0.00	0.17	0.00	0.01	0.00	0.01
291	490390	3624326	0.45	0.17	0.03	0.00	0.04	0.00	0.18	0.00	0.01	0.00	0.01
292	490400	3624326	0.45	0.17	0.03	0.00	0.04	0.00	0.18	0.00	0.01	0.00	0.01
293	490410	3624326	0.45	0.16	0.03	0.00	0.04	0.00	0.19	0.00	0.01	0.00	0.01
294	490420	3624326	0.45	0.16	0.03	0.00	0.04	0.00	0.19	0.00	0.01	0.00	0.01
295	490430	3624326	0.45	0.16	0.03	0.00	0.04	0.00	0.19	0.00	0.01	0.00	0.01
296	490440	3624326	0.45	0.15	0.03	0.00	0.04	0.00	0.20	0.00	0.01	0.00	0.01
297	490450	3624326	0.44	0.15	0.03	0.00	0.04	0.00	0.20	0.00	0.01	0.00	0.01
298	490460	3624326	0.44	0.14	0.02	0.00	0.04	0.00	0.20	0.00	0.01	0.00	0.01
299	490210	3624336	0.24	0.10	0.02	0.00	0.02	0.00	0.10	0.00	0.01	0.00	0.00
300	490220	3624336	0.26	0.11	0.02	0.00	0.02	0.00	0.10	0.00	0.01	0.00	0.00
301	490230	3624336	0.29	0.12	0.02	0.00	0.02	0.00	0.11	0.00	0.01	0.00	0.00
302	490240	3624336	0.31	0.13	0.02	0.00	0.03	0.00	0.13	0.00	0.01	0.00	0.00
303	490250	3624336	0.30	0.13	0.02	0.00	0.02	0.00	0.11	0.00	0.01	0.00	0.00
304	490260	3624336	0.32	0.14	0.02	0.00	0.03	0.00	0.12	0.00	0.01	0.00	0.00
305	490270	3624336	0.35	0.14	0.02	0.00	0.03	0.00	0.13	0.00	0.01	0.00	0.00
306	490280	3624336	0.38	0.15	0.03	0.00	0.03	0.00	0.15	0.00	0.01	0.00	0.00
307	490290	3624336	0.40	0.16	0.03	0.00	0.03	0.00	0.15	0.00	0.01	0.00	0.00
308	490300	3624336	0.40	0.17	0.03	0.00	0.03	0.00	0.15	0.00	0.01	0.00	0.00

Franklin School Project

Mitigated Residential - Residential Construction Cancer Risk Summary

666	Receptor
6.58	Max

Receptor #	X	Y	Total	Mod BC	Mod AC	Port	Demo	Grad	BC	0.00	Pav	Demo-Port. 2	Demo-Port. 1,3,4
309	490310	3624336	0.41	0.18	0.03	0.00	0.03	0.00	0.15	0.00	0.01	0.00	0.00
310	490320	3624336	0.47	0.19	0.03	0.00	0.04	0.00	0.19	0.00	0.01	0.00	0.01
311	490330	3624336	0.47	0.19	0.03	0.00	0.04	0.00	0.18	0.00	0.01	0.00	0.01
312	490340	3624336	0.47	0.19	0.03	0.00	0.04	0.00	0.18	0.00	0.01	0.00	0.01
313	490350	3624336	0.48	0.20	0.03	0.00	0.04	0.00	0.18	0.00	0.01	0.00	0.01
314	490360	3624336	0.48	0.20	0.03	0.00	0.04	0.00	0.18	0.00	0.01	0.00	0.01
315	490370	3624336	0.49	0.20	0.03	0.00	0.04	0.00	0.18	0.00	0.01	0.00	0.01
316	490380	3624336	0.50	0.19	0.03	0.00	0.05	0.00	0.19	0.00	0.01	0.00	0.01
317	490390	3624336	0.50	0.19	0.03	0.00	0.05	0.00	0.20	0.00	0.01	0.00	0.01
318	490400	3624336	0.50	0.19	0.03	0.00	0.05	0.00	0.20	0.00	0.02	0.00	0.01
319	490410	3624336	0.50	0.18	0.03	0.00	0.05	0.01	0.21	0.00	0.02	0.00	0.01
320	490420	3624336	0.50	0.18	0.03	0.00	0.05	0.01	0.21	0.00	0.02	0.00	0.01
321	490430	3624336	0.50	0.17	0.03	0.00	0.05	0.01	0.22	0.00	0.02	0.00	0.01
322	490440	3624336	0.49	0.16	0.03	0.00	0.05	0.01	0.22	0.00	0.02	0.00	0.01
323	490450	3624336	0.49	0.16	0.03	0.00	0.05	0.00	0.22	0.00	0.01	0.00	0.01
324	490460	3624336	0.48	0.15	0.03	0.00	0.05	0.00	0.23	0.00	0.01	0.00	0.01
325	490210	3624346	0.27	0.11	0.02	0.00	0.02	0.00	0.10	0.00	0.01	0.00	0.00
326	490220	3624346	0.29	0.12	0.02	0.00	0.02	0.00	0.11	0.00	0.01	0.00	0.00
327	490230	3624346	0.32	0.13	0.02	0.00	0.03	0.00	0.13	0.00	0.01	0.00	0.00
328	490240	3624346	0.35	0.14	0.02	0.00	0.03	0.00	0.14	0.00	0.01	0.00	0.00
329	490250	3624346	0.34	0.15	0.02	0.00	0.03	0.00	0.12	0.00	0.01	0.00	0.00
330	490260	3624346	0.37	0.16	0.03	0.00	0.03	0.00	0.14	0.00	0.01	0.00	0.00
331	490270	3624346	0.40	0.17	0.03	0.00	0.03	0.00	0.15	0.00	0.01	0.00	0.00
332	490280	3624346	0.38	0.17	0.03	0.00	0.03	0.00	0.13	0.00	0.01	0.00	0.00
333	490290	3624346	0.41	0.19	0.03	0.00	0.03	0.00	0.14	0.00	0.01	0.00	0.00
334	490300	3624346	0.46	0.20	0.03	0.00	0.04	0.00	0.17	0.00	0.01	0.00	0.01
335	490310	3624346	0.47	0.21	0.04	0.00	0.04	0.00	0.17	0.00	0.01	0.00	0.01
336	490320	3624346	0.48	0.21	0.04	0.00	0.04	0.00	0.17	0.00	0.01	0.00	0.01
337	490330	3624346	0.54	0.22	0.04	0.00	0.05	0.00	0.20	0.00	0.01	0.00	0.01
338	490340	3624346	0.54	0.23	0.04	0.00	0.05	0.00	0.20	0.00	0.01	0.00	0.01
339	490350	3624346	0.55	0.23	0.04	0.00	0.05	0.00	0.20	0.00	0.01	0.00	0.01
340	490360	3624346	0.55	0.23	0.04	0.00	0.05	0.00	0.20	0.00	0.02	0.00	0.01
341	490370	3624346	0.55	0.23	0.04	0.00	0.05	0.01	0.20	0.00	0.02	0.00	0.01
342	490380	3624346	0.56	0.22	0.04	0.00	0.05	0.01	0.21	0.00	0.02	0.00	0.01
343	490390	3624346	0.56	0.21	0.04	0.00	0.06	0.01	0.22	0.00	0.02	0.00	0.01
344	490400	3624346	0.56	0.21	0.04	0.00	0.06	0.01	0.23	0.00	0.02	0.00	0.01
345	490410	3624346	0.56	0.20	0.03	0.00	0.06	0.01	0.23	0.00	0.02	0.00	0.01
346	490420	3624346	0.56	0.19	0.03	0.00	0.06	0.01	0.24	0.00	0.02	0.00	0.01
347	490430	3624346	0.55	0.18	0.03	0.00	0.05	0.01	0.24	0.00	0.02	0.00	0.01
348	490440	3624346	0.54	0.18	0.03	0.00	0.05	0.01	0.25	0.00	0.02	0.00	0.01
349	490450	3624346	0.54	0.17	0.03	0.00	0.05	0.01	0.25	0.00	0.02	0.00	0.01
350	490460	3624346	0.53	0.16	0.03	0.00	0.05	0.01	0.25	0.00	0.02	0.00	0.01
351	490210	3624356	0.29	0.12	0.02	0.00	0.02	0.00	0.11	0.00	0.01	0.00	0.00
352	490220	3624356	0.32	0.14	0.02	0.00	0.02	0.00	0.12	0.00	0.01	0.00	0.00

Franklin School Project

Mitigated Residential - Residential Construction Cancer Risk Summary

666	Receptor
6.58	Max

Receptor #	X	Y	Total	Mod BC	Mod AC	Port	Demo	Grad	BC	0.00	Pav	Demo-Port. 2	Demo-Port. 1,3,4
353	490230	3624356	0.36	0.15	0.02	0.00	0.03	0.00	0.14	0.00	0.01	0.00	0.00
354	490240	3624356	0.35	0.16	0.03	0.00	0.02	0.00	0.12	0.00	0.01	0.00	0.00
355	490250	3624356	0.38	0.17	0.03	0.00	0.03	0.00	0.13	0.00	0.01	0.00	0.00
356	490260	3624356	0.41	0.18	0.03	0.00	0.03	0.00	0.15	0.00	0.01	0.00	0.00
357	490270	3624356	0.41	0.19	0.03	0.00	0.03	0.00	0.13	0.00	0.01	0.00	0.00
358	490280	3624356	0.44	0.21	0.04	0.00	0.03	0.00	0.14	0.00	0.01	0.00	0.01
359	490290	3624356	0.47	0.22	0.04	0.00	0.03	0.00	0.15	0.00	0.01	0.00	0.01
360	490300	3624356	0.54	0.24	0.04	0.00	0.04	0.00	0.19	0.00	0.01	0.00	0.01
361	490310	3624356	0.55	0.25	0.04	0.00	0.04	0.00	0.18	0.00	0.01	0.00	0.01
362	490320	3624356	0.56	0.26	0.04	0.00	0.05	0.00	0.18	0.00	0.01	0.00	0.01
363	490330	3624356	0.62	0.27	0.05	0.00	0.06	0.00	0.22	0.00	0.02	0.00	0.01
364	490340	3624356	0.62	0.27	0.05	0.00	0.06	0.01	0.22	0.00	0.02	0.00	0.01
365	490350	3624356	0.63	0.27	0.05	0.00	0.06	0.01	0.22	0.00	0.02	0.00	0.01
366	490360	3624356	0.63	0.26	0.05	0.00	0.06	0.01	0.22	0.00	0.02	0.00	0.01
367	490370	3624356	0.63	0.26	0.04	0.00	0.06	0.01	0.23	0.00	0.02	0.00	0.01
368	490380	3624356	0.64	0.25	0.04	0.00	0.06	0.01	0.24	0.00	0.02	0.00	0.01
369	490390	3624356	0.64	0.24	0.04	0.00	0.07	0.01	0.25	0.00	0.02	0.00	0.01
370	490400	3624356	0.63	0.23	0.04	0.00	0.07	0.01	0.25	0.00	0.02	0.00	0.01
371	490410	3624356	0.63	0.22	0.04	0.00	0.06	0.01	0.26	0.00	0.02	0.00	0.01
372	490420	3624356	0.62	0.21	0.04	0.00	0.06	0.01	0.27	0.00	0.02	0.00	0.01
373	490430	3624356	0.61	0.20	0.03	0.00	0.06	0.01	0.27	0.00	0.02	0.00	0.01
374	490440	3624356	0.60	0.19	0.03	0.00	0.06	0.01	0.28	0.00	0.02	0.00	0.01
375	490450	3624356	0.59	0.18	0.03	0.00	0.06	0.01	0.28	0.00	0.02	0.00	0.01
376	490460	3624356	0.58	0.17	0.03	0.00	0.06	0.01	0.28	0.00	0.02	0.00	0.01
377	490210	3624366	0.32	0.14	0.02	0.00	0.02	0.00	0.12	0.00	0.01	0.00	0.00
378	490220	3624366	0.35	0.15	0.03	0.00	0.03	0.00	0.13	0.00	0.01	0.00	0.00
379	490230	3624366	0.39	0.17	0.03	0.00	0.03	0.00	0.14	0.00	0.01	0.00	0.00
380	490240	3624366	0.39	0.18	0.03	0.00	0.03	0.00	0.13	0.00	0.01	0.00	0.00
381	490250	3624366	0.43	0.20	0.03	0.00	0.03	0.00	0.14	0.00	0.01	0.00	0.00
382	490370	3624366	0.73	0.29	0.05	0.00	0.07	0.01	0.26	0.00	0.02	0.00	0.01
383	490380	3624366	0.73	0.28	0.05	0.00	0.08	0.01	0.27	0.00	0.02	0.00	0.01
384	490390	3624366	0.72	0.27	0.05	0.00	0.08	0.01	0.28	0.00	0.02	0.00	0.01
385	490400	3624366	0.72	0.26	0.04	0.00	0.08	0.01	0.29	0.00	0.02	0.00	0.01
386	490410	3624366	0.71	0.24	0.04	0.00	0.07	0.01	0.29	0.00	0.02	0.00	0.01
387	490420	3624366	0.69	0.23	0.04	0.00	0.07	0.01	0.30	0.00	0.02	0.00	0.01
388	490430	3624366	0.68	0.22	0.04	0.00	0.07	0.01	0.31	0.00	0.02	0.00	0.01
389	490440	3624366	0.67	0.21	0.04	0.00	0.07	0.01	0.31	0.00	0.02	0.00	0.01
390	490450	3624366	0.65	0.19	0.03	0.00	0.07	0.01	0.32	0.00	0.02	0.00	0.01
391	490460	3624366	0.64	0.18	0.03	0.00	0.06	0.01	0.32	0.00	0.02	0.00	0.01
392	490210	3624376	0.35	0.16	0.03	0.00	0.02	0.00	0.12	0.00	0.01	0.00	0.00
393	490220	3624376	0.38	0.18	0.03	0.00	0.03	0.00	0.13	0.00	0.01	0.00	0.00
394	490230	3624376	0.43	0.20	0.03	0.00	0.03	0.00	0.15	0.00	0.01	0.00	0.00
395	490240	3624376	0.44	0.22	0.04	0.00	0.03	0.00	0.14	0.00	0.01	0.00	0.00
396	490250	3624376	0.49	0.24	0.04	0.00	0.03	0.00	0.15	0.00	0.01	0.00	0.00

Franklin School Project

Mitigated Residential - Residential Construction Cancer Risk Summary

666	Receptor
6.58	Max

Receptor #	X	Y	Total	Mod BC	Mod AC	Port	Demo	Grad	BC	0.00	Pav	Demo-Port. 2	Demo-Port. 1,3,4
397	490370	3624376	0.84	0.34	0.06	0.00	0.09	0.01	0.29	0.00	0.03	0.01	0.01
398	490380	3624376	0.83	0.32	0.06	0.00	0.09	0.01	0.30	0.00	0.03	0.01	0.01
399	490390	3624376	0.82	0.30	0.05	0.00	0.09	0.01	0.32	0.00	0.03	0.01	0.01
400	490400	3624376	0.81	0.28	0.05	0.00	0.09	0.01	0.33	0.00	0.03	0.01	0.01
401	490410	3624376	0.79	0.27	0.05	0.00	0.09	0.01	0.34	0.00	0.03	0.01	0.01
402	490420	3624376	0.78	0.25	0.04	0.00	0.08	0.01	0.34	0.00	0.03	0.01	0.01
403	490430	3624376	0.76	0.23	0.04	0.00	0.08	0.01	0.35	0.00	0.02	0.01	0.01
404	490440	3624376	0.74	0.22	0.04	0.00	0.08	0.01	0.35	0.00	0.02	0.00	0.01
405	490450	3624376	0.72	0.21	0.04	0.00	0.07	0.01	0.36	0.00	0.02	0.00	0.01
406	490460	3624376	0.70	0.19	0.03	0.00	0.07	0.01	0.36	0.00	0.02	0.00	0.01
407	490210	3624386	0.38	0.18	0.03	0.00	0.02	0.00	0.13	0.00	0.01	0.00	0.00
408	490220	3624386	0.42	0.20	0.03	0.00	0.03	0.00	0.14	0.00	0.01	0.00	0.00
409	490230	3624386	0.47	0.23	0.04	0.00	0.03	0.00	0.15	0.00	0.01	0.00	0.00
410	490240	3624386	0.53	0.26	0.04	0.00	0.04	0.00	0.17	0.00	0.01	0.00	0.00
411	490250	3624386	0.56	0.29	0.05	0.00	0.03	0.00	0.16	0.00	0.01	0.00	0.01
412	490370	3624386	0.97	0.38	0.07	0.00	0.11	0.01	0.33	0.00	0.04	0.01	0.02
413	490380	3624386	0.96	0.36	0.06	0.00	0.11	0.01	0.35	0.00	0.04	0.01	0.02
414	490390	3624386	0.94	0.33	0.06	0.00	0.11	0.01	0.36	0.00	0.03	0.01	0.02
415	490400	3624386	0.92	0.31	0.05	0.00	0.11	0.01	0.38	0.00	0.03	0.01	0.02
416	490410	3624386	0.90	0.29	0.05	0.00	0.10	0.01	0.39	0.00	0.03	0.01	0.02
417	490420	3624386	0.87	0.27	0.05	0.00	0.10	0.01	0.39	0.00	0.03	0.01	0.02
418	490430	3624386	0.85	0.25	0.04	0.00	0.09	0.01	0.40	0.00	0.03	0.01	0.01
419	490440	3624386	0.82	0.23	0.04	0.00	0.09	0.01	0.40	0.00	0.03	0.01	0.01
420	490450	3624386	0.79	0.22	0.04	0.00	0.08	0.01	0.40	0.00	0.02	0.01	0.01
421	490460	3624386	0.77	0.20	0.04	0.00	0.08	0.01	0.40	0.00	0.02	0.00	0.01
422	490210	3624396	0.41	0.20	0.03	0.00	0.03	0.00	0.14	0.00	0.01	0.00	0.00
423	490220	3624396	0.46	0.23	0.04	0.00	0.03	0.00	0.15	0.00	0.01	0.00	0.00
424	490230	3624396	0.52	0.26	0.05	0.00	0.03	0.00	0.16	0.00	0.01	0.00	0.00
425	490240	3624396	0.59	0.30	0.05	0.00	0.04	0.00	0.18	0.00	0.01	0.00	0.01
426	490250	3624396	0.68	0.35	0.06	0.00	0.04	0.00	0.20	0.00	0.01	0.00	0.01
427	490370	3624396	1.14	0.43	0.08	0.00	0.15	0.02	0.38	0.00	0.05	0.01	0.02
428	490380	3624396	1.11	0.40	0.07	0.00	0.14	0.02	0.40	0.00	0.04	0.01	0.02
429	490390	3624396	1.08	0.37	0.06	0.00	0.13	0.01	0.42	0.00	0.04	0.01	0.02
430	490400	3624396	1.05	0.34	0.06	0.00	0.13	0.01	0.44	0.00	0.04	0.01	0.02
431	490410	3624396	1.01	0.31	0.05	0.00	0.12	0.01	0.45	0.00	0.04	0.01	0.02
432	490420	3624396	0.98	0.29	0.05	0.00	0.11	0.01	0.46	0.00	0.03	0.01	0.02
433	490430	3624396	0.94	0.27	0.05	0.00	0.10	0.01	0.46	0.00	0.03	0.01	0.02
434	490440	3624396	0.91	0.25	0.04	0.00	0.09	0.01	0.46	0.00	0.03	0.01	0.02
435	490450	3624396	0.87	0.23	0.04	0.00	0.09	0.01	0.46	0.00	0.03	0.01	0.01
436	490460	3624396	0.84	0.21	0.04	0.00	0.08	0.01	0.45	0.00	0.03	0.01	0.01
437	490210	3624406	0.45	0.22	0.04	0.00	0.03	0.00	0.14	0.00	0.01	0.00	0.00
438	490220	3624406	0.51	0.26	0.04	0.00	0.03	0.00	0.15	0.00	0.01	0.00	0.00
439	490230	3624406	0.58	0.31	0.05	0.00	0.03	0.00	0.17	0.00	0.01	0.00	0.01
440	490240	3624406	0.67	0.36	0.06	0.00	0.04	0.00	0.18	0.00	0.01	0.00	0.01

Franklin School Project

Mitigated Residential - Residential Construction Cancer Risk Summary

666	Receptor
6.58	Max

Receptor #	X	Y	Total	Mod BC	Mod AC	Port	Demo	Grad	BC	0.00	Pav	Demo-Port. 2	Demo-Port. 1,3,4
441	490250	3624406	0.79	0.44	0.08	0.00	0.04	0.00	0.20	0.00	0.01	0.00	0.01
442	490370	3624406	1.34	0.49	0.08	0.00	0.19	0.02	0.45	0.00	0.06	0.01	0.03
443	490380	3624406	1.29	0.44	0.08	0.00	0.18	0.02	0.47	0.00	0.05	0.01	0.03
444	490390	3624406	1.24	0.40	0.07	0.00	0.16	0.02	0.49	0.00	0.05	0.01	0.03
445	490400	3624406	1.19	0.37	0.06	0.00	0.15	0.02	0.51	0.00	0.05	0.01	0.02
446	490410	3624406	1.14	0.33	0.06	0.00	0.14	0.01	0.52	0.00	0.04	0.01	0.02
447	490420	3624406	1.10	0.31	0.05	0.00	0.12	0.01	0.53	0.00	0.04	0.01	0.02
448	490430	3624406	1.06	0.28	0.05	0.00	0.11	0.01	0.53	0.00	0.04	0.01	0.02
449	490440	3624406	1.01	0.26	0.04	0.00	0.10	0.01	0.53	0.00	0.03	0.01	0.02
450	490450	3624406	0.96	0.24	0.04	0.00	0.10	0.01	0.52	0.00	0.03	0.01	0.02
451	490460	3624406	0.92	0.22	0.04	0.00	0.09	0.01	0.51	0.00	0.03	0.01	0.01
452	490210	3624416	0.49	0.25	0.04	0.00	0.03	0.00	0.15	0.00	0.01	0.00	0.00
453	490220	3624416	0.56	0.29	0.05	0.00	0.03	0.00	0.16	0.00	0.01	0.00	0.00
454	490230	3624416	0.66	0.36	0.06	0.00	0.04	0.00	0.18	0.00	0.01	0.00	0.01
455	490240	3624416	0.77	0.44	0.08	0.00	0.04	0.00	0.19	0.00	0.01	0.00	0.01
456	490250	3624416	0.95	0.56	0.10	0.00	0.05	0.00	0.21	0.00	0.02	0.00	0.01
457	490370	3624416	1.59	0.54	0.09	0.00	0.25	0.03	0.54	0.00	0.08	0.02	0.04
458	490380	3624416	1.50	0.48	0.08	0.00	0.22	0.02	0.56	0.00	0.07	0.01	0.04
459	490390	3624416	1.42	0.43	0.08	0.00	0.19	0.02	0.59	0.01	0.06	0.01	0.03
460	490400	3624416	1.35	0.39	0.07	0.00	0.17	0.02	0.60	0.01	0.05	0.01	0.03
461	490410	3624416	1.29	0.36	0.06	0.00	0.15	0.02	0.62	0.01	0.05	0.01	0.03
462	490420	3624416	1.24	0.32	0.06	0.00	0.14	0.01	0.62	0.01	0.04	0.01	0.02
463	490430	3624416	1.18	0.29	0.05	0.00	0.13	0.01	0.62	0.01	0.04	0.01	0.02
464	490440	3624416	1.12	0.27	0.05	0.00	0.12	0.01	0.61	0.01	0.04	0.01	0.02
465	490450	3624416	1.06	0.25	0.04	0.00	0.11	0.01	0.60	0.01	0.03	0.01	0.02
466	490460	3624416	1.00	0.22	0.04	0.00	0.10	0.01	0.58	0.00	0.03	0.01	0.02
467	490210	3624426	0.53	0.27	0.05	0.00	0.03	0.00	0.16	0.00	0.01	0.00	0.00
468	490220	3624426	0.61	0.33	0.06	0.00	0.03	0.00	0.17	0.00	0.01	0.00	0.01
469	490230	3624426	0.73	0.40	0.07	0.00	0.04	0.00	0.19	0.00	0.01	0.00	0.01
470	490240	3624426	0.89	0.52	0.09	0.00	0.04	0.00	0.21	0.00	0.02	0.00	0.01
471	490250	3624426	1.14	0.70	0.12	0.00	0.05	0.01	0.23	0.00	0.02	0.00	0.01
472	490370	3624426	1.87	0.58	0.10	0.00	0.32	0.03	0.65	0.01	0.10	0.02	0.05
473	490380	3624426	1.74	0.52	0.09	0.00	0.27	0.03	0.68	0.01	0.08	0.02	0.04
474	490390	3624426	1.63	0.46	0.08	0.00	0.23	0.02	0.70	0.01	0.07	0.01	0.04
475	490400	3624426	1.54	0.42	0.07	0.00	0.20	0.02	0.72	0.01	0.06	0.01	0.03
476	490410	3624426	1.46	0.37	0.07	0.00	0.17	0.02	0.73	0.01	0.05	0.01	0.03
477	490420	3624426	1.39	0.34	0.06	0.00	0.16	0.02	0.73	0.01	0.05	0.01	0.03
478	490430	3624426	1.32	0.31	0.05	0.00	0.14	0.01	0.72	0.01	0.04	0.01	0.02
479	490440	3624426	1.24	0.28	0.05	0.00	0.13	0.01	0.71	0.01	0.04	0.01	0.02
480	490450	3624426	1.17	0.25	0.04	0.00	0.11	0.01	0.68	0.01	0.03	0.01	0.02
481	490460	3624426	1.10	0.23	0.04	0.00	0.10	0.01	0.65	0.01	0.03	0.01	0.02
482	490210	3624436	0.56	0.29	0.05	0.00	0.03	0.00	0.17	0.00	0.01	0.00	0.00
483	490220	3624436	0.67	0.36	0.06	0.00	0.03	0.00	0.18	0.00	0.01	0.00	0.01
484	490230	3624436	0.80	0.45	0.08	0.00	0.04	0.00	0.20	0.00	0.01	0.00	0.01

Franklin School Project

Mitigated Residential - Residential Construction Cancer Risk Summary

666	Receptor
6.58	Max

Receptor #	X	Y	Total	Mod BC	Mod AC	Port	Demo	Grad	BC	0.00	Pav	Demo-Port. 2	Demo-Port. 1,3,4
485	490240	3624436	1.01	0.60	0.11	0.00	0.04	0.00	0.22	0.00	0.02	0.00	0.01
486	490250	3624436	1.34	0.85	0.15	0.00	0.05	0.01	0.25	0.00	0.02	0.00	0.01
487	490370	3624436	2.16	0.63	0.11	0.00	0.38	0.04	0.79	0.01	0.11	0.03	0.06
488	490380	3624436	2.00	0.55	0.10	0.00	0.31	0.03	0.83	0.01	0.09	0.02	0.05
489	490390	3624436	1.86	0.49	0.09	0.00	0.26	0.03	0.86	0.01	0.08	0.02	0.04
490	490400	3624436	1.76	0.44	0.08	0.00	0.22	0.02	0.87	0.01	0.07	0.01	0.04
491	490410	3624436	1.66	0.39	0.07	0.00	0.19	0.02	0.88	0.01	0.06	0.01	0.03
492	490420	3624436	1.57	0.35	0.06	0.00	0.17	0.02	0.87	0.01	0.05	0.01	0.03
493	490430	3624436	1.47	0.31	0.05	0.00	0.15	0.02	0.85	0.01	0.05	0.01	0.03
494	490440	3624436	1.38	0.28	0.05	0.00	0.14	0.01	0.82	0.01	0.04	0.01	0.02
495	490450	3624436	1.29	0.26	0.05	0.00	0.12	0.01	0.78	0.01	0.04	0.01	0.02
496	490460	3624436	1.20	0.23	0.04	0.00	0.11	0.01	0.73	0.01	0.03	0.01	0.02
497	490210	3624446	0.60	0.32	0.06	0.00	0.03	0.00	0.18	0.00	0.01	0.00	0.00
498	490220	3624446	0.72	0.40	0.07	0.00	0.04	0.00	0.19	0.00	0.01	0.00	0.01
499	490230	3624446	0.89	0.51	0.09	0.00	0.04	0.00	0.22	0.00	0.02	0.00	0.01
500	490240	3624446	1.15	0.70	0.12	0.00	0.05	0.00	0.24	0.00	0.02	0.00	0.01
501	490250	3624446	1.54	1.00	0.17	0.00	0.06	0.01	0.27	0.00	0.02	0.00	0.01
502	490370	3624446	2.48	0.67	0.12	0.00	0.43	0.05	0.98	0.01	0.13	0.03	0.07
503	490380	3624446	2.29	0.58	0.10	0.00	0.35	0.04	1.03	0.01	0.10	0.02	0.06
504	490390	3624446	2.14	0.51	0.09	0.00	0.29	0.03	1.06	0.01	0.09	0.02	0.05
505	490400	3624446	2.01	0.45	0.08	0.00	0.25	0.03	1.07	0.01	0.07	0.02	0.04
506	490410	3624446	1.89	0.40	0.07	0.00	0.21	0.02	1.06	0.01	0.06	0.01	0.04
507	490420	3624446	1.77	0.36	0.06	0.00	0.19	0.02	1.03	0.01	0.06	0.01	0.03
508	490430	3624446	1.65	0.32	0.06	0.00	0.16	0.02	0.99	0.01	0.05	0.01	0.03
509	490440	3624446	1.53	0.29	0.05	0.00	0.15	0.02	0.94	0.01	0.04	0.01	0.02
510	490450	3624446	1.41	0.26	0.05	0.00	0.13	0.01	0.88	0.01	0.04	0.01	0.02
511	490460	3624446	1.30	0.24	0.04	0.00	0.12	0.01	0.82	0.01	0.03	0.01	0.02
512	490210	3624456	0.64	0.34	0.06	0.00	0.03	0.00	0.19	0.00	0.01	0.00	0.01
513	490220	3624456	0.77	0.42	0.07	0.00	0.04	0.00	0.21	0.00	0.01	0.00	0.01
514	490230	3624456	0.95	0.55	0.10	0.00	0.04	0.00	0.23	0.00	0.02	0.00	0.01
515	490240	3624456	1.24	0.76	0.13	0.00	0.05	0.01	0.26	0.00	0.02	0.00	0.01
516	490250	3624456	1.70	1.10	0.19	0.00	0.06	0.01	0.30	0.00	0.03	0.00	0.01
517	490370	3624456	2.86	0.70	0.12	0.00	0.47	0.05	1.26	0.01	0.14	0.03	0.08
518	490380	3624456	2.66	0.61	0.11	0.00	0.38	0.04	1.31	0.01	0.11	0.03	0.06
519	490390	3624456	2.48	0.53	0.09	0.00	0.32	0.03	1.33	0.01	0.09	0.02	0.05
520	490400	3624456	2.32	0.46	0.08	0.00	0.27	0.03	1.32	0.01	0.08	0.02	0.04
521	490410	3624456	2.16	0.41	0.07	0.00	0.23	0.02	1.29	0.01	0.07	0.02	0.04
522	490420	3624456	2.00	0.36	0.06	0.00	0.20	0.02	1.23	0.01	0.06	0.01	0.03
523	490430	3624456	1.84	0.32	0.06	0.00	0.18	0.02	1.16	0.01	0.05	0.01	0.03
524	490440	3624456	1.69	0.29	0.05	0.00	0.16	0.02	1.08	0.01	0.05	0.01	0.03
525	490450	3624456	1.54	0.26	0.05	0.00	0.14	0.01	1.00	0.01	0.04	0.01	0.02
526	490460	3624456	1.39	0.24	0.04	0.00	0.12	0.01	0.91	0.01	0.04	0.01	0.02
527	490210	3624466	0.67	0.35	0.06	0.00	0.03	0.00	0.19	0.00	0.01	0.00	0.01
528	490220	3624466	0.81	0.44	0.08	0.00	0.04	0.00	0.22	0.00	0.01	0.00	0.01

Franklin School Project

Mitigated Residential - Residential Construction Cancer Risk Summary

666	Receptor
6.58	Max

Receptor #	X	Y	Total	Mod BC	Mod AC	Port	Demo	Grad	BC	0.00	Pav	Demo-Port. 2	Demo-Port. 1,3,4
529	490230	3624466	1.01	0.59	0.10	0.00	0.04	0.00	0.25	0.00	0.02	0.00	0.01
530	490240	3624466	1.33	0.81	0.14	0.00	0.05	0.01	0.28	0.00	0.02	0.00	0.01
531	490250	3624466	1.82	1.18	0.21	0.00	0.06	0.01	0.32	0.00	0.03	0.00	0.01
532	490370	3624466	3.34	0.72	0.13	0.00	0.51	0.06	1.64	0.01	0.15	0.03	0.08
533	490380	3624466	3.12	0.62	0.11	0.00	0.42	0.05	1.69	0.01	0.12	0.03	0.07
534	490390	3624466	2.89	0.54	0.09	0.00	0.34	0.04	1.68	0.01	0.10	0.02	0.06
535	490400	3624466	2.66	0.47	0.08	0.00	0.29	0.03	1.63	0.01	0.08	0.02	0.05
536	490410	3624466	2.44	0.41	0.07	0.00	0.25	0.03	1.55	0.01	0.07	0.02	0.04
537	490420	3624466	2.24	0.36	0.06	0.00	0.21	0.02	1.45	0.01	0.06	0.01	0.04
538	490430	3624466	2.03	0.32	0.06	0.00	0.19	0.02	1.34	0.01	0.05	0.01	0.03
539	490440	3624466	1.84	0.29	0.05	0.00	0.16	0.02	1.23	0.01	0.05	0.01	0.03
540	490450	3624466	1.65	0.26	0.05	0.00	0.14	0.02	1.11	0.01	0.04	0.01	0.02
541	490460	3624466	1.47	0.23	0.04	0.00	0.12	0.01	0.99	0.01	0.04	0.01	0.02
542	490210	3624476	0.69	0.36	0.06	0.00	0.03	0.00	0.20	0.00	0.01	0.00	0.01
543	490220	3624476	0.84	0.46	0.08	0.00	0.04	0.00	0.23	0.00	0.01	0.00	0.01
544	490230	3624476	1.07	0.62	0.11	0.00	0.04	0.00	0.26	0.00	0.02	0.00	0.01
545	490240	3624476	1.40	0.85	0.15	0.00	0.05	0.01	0.30	0.00	0.02	0.00	0.01
546	490250	3624476	1.91	1.23	0.21	0.00	0.06	0.01	0.35	0.00	0.03	0.00	0.01
547	490370	3624476	4.01	0.74	0.13	0.00	0.57	0.06	2.20	0.02	0.17	0.04	0.09
548	490380	3624476	3.72	0.63	0.11	0.00	0.46	0.05	2.21	0.02	0.13	0.03	0.08
549	490390	3624476	3.41	0.54	0.09	0.00	0.38	0.04	2.15	0.02	0.11	0.02	0.06
550	490400	3624476	3.09	0.47	0.08	0.00	0.31	0.03	2.02	0.02	0.09	0.02	0.05
551	490410	3624476	2.72	0.40	0.07	0.00	0.26	0.03	1.81	0.02	0.07	0.02	0.04
552	490420	3624476	2.41	0.35	0.06	0.00	0.22	0.02	1.64	0.01	0.06	0.01	0.04
553	490430	3624476	2.17	0.31	0.05	0.00	0.19	0.02	1.48	0.01	0.05	0.01	0.03
554	490440	3624476	1.93	0.28	0.05	0.00	0.16	0.02	1.33	0.01	0.05	0.01	0.03
555	490450	3624476	1.72	0.25	0.04	0.00	0.14	0.02	1.19	0.01	0.04	0.01	0.02
556	490460	3624476	1.52	0.22	0.04	0.00	0.12	0.01	1.05	0.01	0.04	0.01	0.02
557	490210	3624486	0.70	0.37	0.06	0.00	0.03	0.00	0.21	0.00	0.01	0.00	0.01
558	490220	3624486	0.87	0.47	0.08	0.00	0.04	0.00	0.24	0.00	0.02	0.00	0.01
559	490230	3624486	1.10	0.63	0.11	0.00	0.05	0.00	0.28	0.00	0.02	0.00	0.01
560	490240	3624486	1.45	0.88	0.15	0.00	0.05	0.01	0.32	0.00	0.02	0.00	0.01
561	490250	3624486	1.98	1.25	0.22	0.00	0.07	0.01	0.38	0.00	0.03	0.00	0.01
562	490380	3624486	4.62	0.64	0.11	0.00	0.52	0.06	3.00	0.03	0.15	0.03	0.09
563	490390	3624486	4.18	0.54	0.09	0.00	0.42	0.05	2.83	0.02	0.12	0.03	0.07
564	490400	3624486	3.63	0.46	0.08	0.00	0.34	0.04	2.51	0.02	0.10	0.02	0.06
565	490410	3624486	2.93	0.38	0.07	0.00	0.26	0.03	2.04	0.02	0.07	0.02	0.04
566	490420	3624486	2.54	0.33	0.06	0.00	0.22	0.02	1.78	0.02	0.06	0.01	0.04
567	490430	3624486	2.21	0.29	0.05	0.00	0.18	0.02	1.56	0.01	0.05	0.01	0.03
568	490440	3624486	1.94	0.26	0.05	0.00	0.16	0.02	1.37	0.01	0.05	0.01	0.03
569	490450	3624486	1.70	0.23	0.04	0.00	0.14	0.01	1.20	0.01	0.04	0.01	0.02
570	490460	3624486	1.52	0.21	0.04	0.00	0.12	0.01	1.07	0.01	0.03	0.01	0.02
571	490210	3624496	0.72	0.37	0.06	0.00	0.03	0.00	0.22	0.00	0.01	0.00	0.01
572	490220	3624496	0.89	0.48	0.08	0.00	0.04	0.00	0.25	0.00	0.02	0.00	0.01

Franklin School Project

Mitigated Residential - Residential Construction Cancer Risk Summary

666	Receptor
6.58	Max

Receptor #	X	Y	Total	Mod BC	Mod AC	Port	Demo	Grad	BC	0.00	Pav	Demo-Port. 2	Demo-Port. 1,3,4
573	490230	3624496	1.12	0.64	0.11	0.00	0.05	0.00	0.29	0.00	0.02	0.00	0.01
574	490240	3624496	1.48	0.88	0.15	0.00	0.06	0.01	0.35	0.00	0.02	0.00	0.01
575	490250	3624496	2.01	1.26	0.22	0.00	0.07	0.01	0.41	0.00	0.03	0.00	0.01
576	490390	3624496	5.25	0.54	0.09	0.00	0.48	0.05	3.80	0.03	0.14	0.03	0.08
577	490400	3624496	4.42	0.46	0.08	0.00	0.38	0.04	3.23	0.03	0.11	0.03	0.06
578	490410	3624496	3.57	0.39	0.07	0.00	0.30	0.03	2.61	0.02	0.08	0.02	0.05
579	490420	3624496	3.00	0.34	0.06	0.00	0.24	0.03	2.19	0.02	0.07	0.02	0.04
580	490430	3624496	2.52	0.29	0.05	0.00	0.20	0.02	1.83	0.02	0.06	0.01	0.03
581	490440	3624496	2.10	0.26	0.04	0.00	0.16	0.02	1.52	0.01	0.05	0.01	0.03
582	490450	3624496	1.78	0.23	0.04	0.00	0.14	0.01	1.28	0.01	0.04	0.01	0.02
583	490460	3624496	1.52	0.20	0.04	0.00	0.12	0.01	1.08	0.01	0.03	0.01	0.02
584	490210	3624506	0.72	0.37	0.06	0.00	0.03	0.00	0.23	0.00	0.01	0.00	0.01
585	490220	3624506	0.90	0.48	0.08	0.00	0.04	0.00	0.26	0.00	0.02	0.00	0.01
586	490230	3624506	1.14	0.64	0.11	0.00	0.05	0.00	0.31	0.00	0.02	0.00	0.01
587	490240	3624506	1.49	0.87	0.15	0.00	0.06	0.01	0.36	0.00	0.02	0.00	0.01
588	490250	3624506	2.03	1.25	0.22	0.00	0.07	0.01	0.43	0.00	0.03	0.00	0.01
589	490400	3624506	5.57	0.46	0.08	0.00	0.45	0.05	4.26	0.04	0.13	0.03	0.07
590	490410	3624506	4.53	0.40	0.07	0.00	0.36	0.04	3.45	0.03	0.10	0.02	0.06
591	490420	3624506	3.66	0.34	0.06	0.00	0.28	0.03	2.77	0.02	0.08	0.02	0.05
592	490430	3624506	2.91	0.30	0.05	0.00	0.22	0.02	2.18	0.02	0.06	0.01	0.04
593	490440	3624506	2.38	0.26	0.05	0.00	0.18	0.02	1.76	0.02	0.05	0.01	0.03
594	490450	3624506	1.95	0.23	0.04	0.00	0.15	0.02	1.43	0.01	0.04	0.01	0.02
595	490460	3624506	1.59	0.20	0.03	0.00	0.12	0.01	1.16	0.01	0.03	0.01	0.02
596	490210	3624516	0.72	0.36	0.06	0.00	0.03	0.00	0.23	0.00	0.01	0.00	0.01
597	490220	3624516	0.89	0.47	0.08	0.00	0.04	0.00	0.27	0.00	0.02	0.00	0.01
598	490230	3624516	1.12	0.62	0.11	0.00	0.05	0.00	0.32	0.00	0.02	0.00	0.01
599	490240	3624516	1.47	0.84	0.15	0.00	0.05	0.01	0.38	0.00	0.02	0.00	0.01
600	490250	3624516	1.99	1.21	0.21	0.00	0.07	0.01	0.45	0.00	0.03	0.00	0.01
601	490410	3624516	5.10	0.38	0.07	0.00	0.38	0.04	4.00	0.03	0.11	0.03	0.06
602	490420	3624516	3.94	0.33	0.06	0.00	0.29	0.03	3.05	0.03	0.08	0.02	0.05
603	490430	3624516	3.07	0.29	0.05	0.00	0.23	0.02	2.34	0.02	0.06	0.02	0.04
604	490440	3624516	2.47	0.25	0.04	0.00	0.18	0.02	1.86	0.02	0.05	0.01	0.03
605	490450	3624516	2.01	0.22	0.04	0.00	0.15	0.02	1.50	0.01	0.04	0.01	0.02
606	490460	3624516	1.64	0.20	0.03	0.00	0.12	0.01	1.21	0.01	0.03	0.01	0.02
607	490210	3624526	0.71	0.35	0.06	0.00	0.03	0.00	0.24	0.00	0.01	0.00	0.01
608	490220	3624526	0.87	0.45	0.08	0.00	0.04	0.00	0.28	0.00	0.01	0.00	0.01
609	490230	3624526	1.09	0.59	0.10	0.00	0.04	0.00	0.32	0.00	0.02	0.00	0.01
610	490240	3624526	1.41	0.80	0.14	0.00	0.05	0.01	0.38	0.00	0.02	0.00	0.01
611	490250	3624526	1.91	1.13	0.20	0.00	0.06	0.01	0.47	0.00	0.03	0.00	0.01
612	490410	3624526	5.45	0.36	0.06	0.00	0.39	0.04	4.35	0.04	0.11	0.03	0.06
613	490420	3624526	4.05	0.32	0.06	0.00	0.29	0.03	3.18	0.03	0.08	0.02	0.05
614	490430	3624526	3.09	0.28	0.05	0.00	0.22	0.02	2.39	0.02	0.06	0.01	0.04
615	490440	3624526	2.45	0.24	0.04	0.00	0.18	0.02	1.87	0.02	0.05	0.01	0.03
616	490450	3624526	1.98	0.21	0.04	0.00	0.14	0.02	1.49	0.01	0.04	0.01	0.02

Franklin School Project

Mitigated Residential - Residential Construction Cancer Risk Summary

666	Receptor
6.58	Max

Receptor #	X	Y	Total	Mod BC	Mod AC	Port	Demo	Grad	BC	0.00	Pav	Demo-Port. 2	Demo-Port. 1,3,4
617	490460	3624526	1.61	0.19	0.03	0.00	0.12	0.01	1.19	0.01	0.03	0.01	0.02
618	490210	3624536	0.68	0.33	0.06	0.00	0.03	0.00	0.24	0.00	0.01	0.00	0.01
619	490220	3624536	0.83	0.42	0.07	0.00	0.04	0.00	0.28	0.00	0.01	0.00	0.01
620	490230	3624536	1.04	0.54	0.10	0.00	0.04	0.00	0.32	0.00	0.02	0.00	0.01
621	490240	3624536	1.33	0.72	0.13	0.00	0.05	0.01	0.39	0.00	0.02	0.00	0.01
622	490250	3624536	1.78	1.02	0.18	0.00	0.06	0.01	0.47	0.00	0.02	0.00	0.01
623	490410	3624536	5.34	0.34	0.06	0.00	0.37	0.04	4.31	0.04	0.10	0.02	0.06
624	490420	3624536	3.89	0.30	0.05	0.00	0.27	0.03	3.08	0.03	0.08	0.02	0.04
625	490430	3624536	2.96	0.26	0.05	0.00	0.21	0.02	2.30	0.02	0.06	0.01	0.03
626	490440	3624536	2.34	0.23	0.04	0.00	0.16	0.02	1.79	0.02	0.05	0.01	0.03
627	490450	3624536	1.91	0.21	0.04	0.00	0.14	0.01	1.44	0.01	0.04	0.01	0.02
628	490460	3624536	1.56	0.18	0.03	0.00	0.11	0.01	1.16	0.01	0.03	0.01	0.02
629	490210	3624546	0.66	0.31	0.05	0.00	0.03	0.00	0.24	0.00	0.01	0.00	0.01
630	490220	3624546	0.79	0.38	0.07	0.00	0.04	0.00	0.27	0.00	0.01	0.00	0.01
631	490230	3624546	0.97	0.49	0.09	0.00	0.04	0.00	0.32	0.00	0.02	0.00	0.01
632	490240	3624546	1.22	0.64	0.11	0.00	0.05	0.01	0.38	0.00	0.02	0.00	0.01
633	490250	3624546	1.60	0.88	0.15	0.00	0.06	0.01	0.46	0.00	0.02	0.00	0.01
634	490410	3624546	4.72	0.32	0.06	0.00	0.32	0.03	3.80	0.03	0.09	0.02	0.05
635	490420	3624546	3.50	0.28	0.05	0.00	0.24	0.03	2.77	0.02	0.07	0.02	0.04
636	490430	3624546	2.71	0.25	0.04	0.00	0.19	0.02	2.10	0.02	0.05	0.01	0.03
637	490440	3624546	2.17	0.22	0.04	0.00	0.15	0.02	1.65	0.01	0.04	0.01	0.02
638	490450	3624546	1.78	0.19	0.03	0.00	0.12	0.01	1.34	0.01	0.04	0.01	0.02
639	490460	3624546	1.48	0.17	0.03	0.00	0.10	0.01	1.10	0.01	0.03	0.01	0.02
640	490210	3624556	0.62	0.28	0.05	0.00	0.03	0.00	0.23	0.00	0.01	0.00	0.00
641	490220	3624556	0.74	0.35	0.06	0.00	0.03	0.00	0.27	0.00	0.01	0.00	0.01
642	490230	3624556	0.90	0.44	0.08	0.00	0.04	0.00	0.32	0.00	0.01	0.00	0.01
643	490240	3624556	1.11	0.56	0.10	0.00	0.05	0.00	0.37	0.00	0.02	0.00	0.01
644	490250	3624556	1.41	0.73	0.13	0.00	0.06	0.01	0.45	0.00	0.02	0.00	0.01
645	490410	3624556	3.87	0.29	0.05	0.00	0.25	0.03	3.09	0.03	0.07	0.02	0.04
646	490420	3624556	3.01	0.26	0.05	0.00	0.20	0.02	2.36	0.02	0.06	0.01	0.03
647	490430	3624556	2.40	0.23	0.04	0.00	0.16	0.02	1.85	0.02	0.05	0.01	0.03
648	490440	3624556	1.96	0.20	0.04	0.00	0.13	0.01	1.49	0.01	0.04	0.01	0.02
649	490450	3624556	1.63	0.18	0.03	0.00	0.11	0.01	1.22	0.01	0.03	0.01	0.02
650	490460	3624556	1.37	0.17	0.03	0.00	0.10	0.01	1.01	0.01	0.03	0.01	0.02
651	490210	3624566	0.59	0.26	0.05	0.00	0.03	0.00	0.23	0.00	0.01	0.00	0.00
652	490220	3624566	0.69	0.32	0.06	0.00	0.03	0.00	0.26	0.00	0.01	0.00	0.01
653	490230	3624566	0.83	0.39	0.07	0.00	0.04	0.00	0.31	0.00	0.01	0.00	0.01
654	490240	3624566	1.01	0.48	0.08	0.00	0.04	0.00	0.36	0.00	0.02	0.00	0.01
655	490250	3624566	1.24	0.60	0.11	0.00	0.05	0.01	0.44	0.00	0.02	0.00	0.01
656	490260	3624566	1.54	0.76	0.13	0.00	0.06	0.01	0.53	0.00	0.02	0.00	0.01
657	490270	3624566	1.93	0.96	0.17	0.00	0.07	0.01	0.66	0.01	0.03	0.00	0.01
658	490280	3624566	2.39	1.16	0.20	0.00	0.09	0.01	0.86	0.01	0.03	0.01	0.02
659	490290	3624566	2.88	1.30	0.23	0.00	0.12	0.01	1.14	0.01	0.04	0.01	0.02
660	490300	3624566	3.44	1.35	0.24	0.00	0.15	0.02	1.58	0.01	0.05	0.01	0.03

Franklin School Project

Mitigated Residential - Residential Construction Cancer Risk Summary

666	Receptor
6.58	Max

Receptor #	X	Y	Total	Mod BC	Mod AC	Port	Demo	Grad	BC	0.00	Pav	Demo-Port. 2	Demo-Port. 1,3,4
661	490310	3624566	4.06	1.28	0.22	0.00	0.20	0.02	2.20	0.02	0.06	0.01	0.03
662	490320	3624566	4.77	1.13	0.20	0.00	0.25	0.03	3.02	0.03	0.08	0.02	0.04
663	490330	3624566	5.53	0.94	0.16	0.00	0.29	0.03	3.91	0.03	0.09	0.02	0.05
664	490340	3624566	6.19	0.78	0.14	0.00	0.33	0.04	4.70	0.04	0.09	0.02	0.05
665	490350	3624566	6.55	0.65	0.11	0.00	0.35	0.04	5.17	0.04	0.10	0.02	0.06
666	490360	3624566	6.58	0.55	0.10	0.00	0.35	0.04	5.31	0.05	0.10	0.02	0.06
667	490370	3624566	6.28	0.47	0.08	0.00	0.35	0.04	5.12	0.04	0.10	0.02	0.06
668	490380	3624566	5.68	0.40	0.07	0.00	0.33	0.04	4.64	0.04	0.09	0.02	0.05
669	490390	3624566	4.81	0.35	0.06	0.00	0.29	0.03	3.89	0.03	0.08	0.02	0.05
670	490400	3624566	3.89	0.31	0.05	0.00	0.24	0.03	3.10	0.03	0.07	0.02	0.04
671	490410	3624566	3.11	0.27	0.05	0.00	0.20	0.02	2.45	0.02	0.06	0.01	0.03
672	490420	3624566	2.53	0.24	0.04	0.00	0.17	0.02	1.96	0.02	0.05	0.01	0.03
673	490430	3624566	2.08	0.21	0.04	0.00	0.14	0.02	1.59	0.01	0.04	0.01	0.02
674	490440	3624566	1.74	0.19	0.03	0.00	0.12	0.01	1.31	0.01	0.03	0.01	0.02
675	490450	3624566	1.47	0.17	0.03	0.00	0.10	0.01	1.09	0.01	0.03	0.01	0.02
676	490460	3624566	1.26	0.16	0.03	0.00	0.09	0.01	0.92	0.01	0.03	0.01	0.01
677	490210	3624576	0.55	0.24	0.04	0.00	0.03	0.00	0.22	0.00	0.01	0.00	0.00
678	490220	3624576	0.64	0.28	0.05	0.00	0.03	0.00	0.25	0.00	0.01	0.00	0.01
679	490230	3624576	0.75	0.34	0.06	0.00	0.04	0.00	0.29	0.00	0.01	0.00	0.01
680	490240	3624576	0.89	0.40	0.07	0.00	0.04	0.00	0.34	0.00	0.01	0.00	0.01
681	490250	3624576	1.07	0.49	0.09	0.00	0.05	0.01	0.41	0.00	0.02	0.00	0.01
682	490260	3624576	1.29	0.60	0.10	0.00	0.06	0.01	0.49	0.00	0.02	0.00	0.01
683	490270	3624576	1.56	0.71	0.12	0.00	0.07	0.01	0.61	0.01	0.02	0.00	0.01
684	490280	3624576	1.88	0.82	0.14	0.00	0.08	0.01	0.77	0.01	0.03	0.01	0.01
685	490290	3624576	2.23	0.90	0.16	0.00	0.10	0.01	0.99	0.01	0.03	0.01	0.02
686	490300	3624576	2.60	0.93	0.16	0.00	0.12	0.01	1.29	0.01	0.04	0.01	0.02
687	490310	3624576	3.03	0.90	0.16	0.00	0.15	0.02	1.70	0.01	0.05	0.01	0.03
688	490320	3624576	3.49	0.83	0.14	0.00	0.18	0.02	2.19	0.02	0.06	0.01	0.03
689	490330	3624576	3.91	0.73	0.13	0.00	0.21	0.02	2.69	0.02	0.06	0.01	0.03
690	490340	3624576	4.27	0.64	0.11	0.00	0.23	0.03	3.12	0.03	0.07	0.02	0.04
691	490350	3624576	4.48	0.55	0.10	0.00	0.25	0.03	3.40	0.03	0.07	0.02	0.04
692	490360	3624576	4.50	0.47	0.08	0.00	0.25	0.03	3.51	0.03	0.07	0.02	0.04
693	490370	3624576	4.34	0.41	0.07	0.00	0.25	0.03	3.42	0.03	0.07	0.02	0.04
694	490380	3624576	4.00	0.36	0.06	0.00	0.23	0.03	3.17	0.03	0.07	0.02	0.04
695	490390	3624576	3.53	0.32	0.06	0.00	0.21	0.02	2.78	0.02	0.06	0.01	0.04
696	490400	3624576	3.01	0.28	0.05	0.00	0.19	0.02	2.35	0.02	0.05	0.01	0.03
697	490410	3624576	2.52	0.25	0.04	0.00	0.16	0.02	1.95	0.02	0.05	0.01	0.03
698	490420	3624576	2.13	0.22	0.04	0.00	0.14	0.02	1.63	0.01	0.04	0.01	0.02
699	490430	3624576	1.80	0.20	0.03	0.00	0.12	0.01	1.36	0.01	0.03	0.01	0.02
700	490440	3624576	1.53	0.18	0.03	0.00	0.10	0.01	1.14	0.01	0.03	0.01	0.02
701	490450	3624576	1.32	0.16	0.03	0.00	0.09	0.01	0.97	0.01	0.03	0.01	0.01
702	490460	3624576	1.14	0.15	0.03	0.00	0.08	0.01	0.83	0.01	0.02	0.01	0.01
703	490210	3624586	0.51	0.21	0.04	0.00	0.03	0.00	0.21	0.00	0.01	0.00	0.00
704	490220	3624586	0.59	0.25	0.04	0.00	0.03	0.00	0.24	0.00	0.01	0.00	0.00

Franklin School Project

Mitigated Residential - Residential Construction Cancer Risk Summary

666	Receptor
6.58	Max

Receptor #	X	Y	Total	Mod BC	Mod AC	Port	Demo	Grad	BC	0.00	Pav	Demo-Port. 2	Demo-Port. 1,3,4
705	490230	3624586	0.68	0.29	0.05	0.00	0.03	0.00	0.28	0.00	0.01	0.00	0.01
706	490240	3624586	0.79	0.34	0.06	0.00	0.04	0.00	0.32	0.00	0.01	0.00	0.01
707	490250	3624586	0.93	0.40	0.07	0.00	0.04	0.00	0.38	0.00	0.02	0.00	0.01
708	490260	3624586	1.11	0.47	0.08	0.00	0.05	0.01	0.46	0.00	0.02	0.00	0.01
709	490270	3624586	1.30	0.55	0.10	0.00	0.06	0.01	0.55	0.00	0.02	0.00	0.01
710	490280	3624586	1.54	0.61	0.11	0.00	0.07	0.01	0.69	0.01	0.02	0.00	0.01
711	490290	3624586	1.78	0.66	0.12	0.00	0.09	0.01	0.85	0.01	0.03	0.01	0.01
712	490300	3624586	2.06	0.68	0.12	0.00	0.10	0.01	1.07	0.01	0.03	0.01	0.02
713	490310	3624586	2.34	0.67	0.12	0.00	0.12	0.01	1.33	0.01	0.04	0.01	0.02
714	490320	3624586	2.64	0.63	0.11	0.00	0.14	0.02	1.65	0.01	0.04	0.01	0.02
715	490330	3624586	2.91	0.58	0.10	0.00	0.16	0.02	1.95	0.02	0.05	0.01	0.03
716	490340	3624586	3.12	0.52	0.09	0.00	0.17	0.02	2.20	0.02	0.05	0.01	0.03
717	490350	3624586	3.24	0.46	0.08	0.00	0.18	0.02	2.38	0.02	0.05	0.01	0.03
718	490360	3624586	3.26	0.41	0.07	0.00	0.19	0.02	2.46	0.02	0.05	0.01	0.03
719	490370	3624586	3.18	0.36	0.06	0.00	0.18	0.02	2.43	0.02	0.05	0.01	0.03
720	490380	3624586	2.99	0.32	0.06	0.00	0.18	0.02	2.30	0.02	0.05	0.01	0.03
721	490390	3624586	2.71	0.29	0.05	0.00	0.17	0.02	2.09	0.02	0.05	0.01	0.03
722	490400	3624586	2.39	0.25	0.04	0.00	0.15	0.02	1.83	0.02	0.04	0.01	0.02
723	490410	3624586	2.08	0.23	0.04	0.00	0.13	0.01	1.58	0.01	0.04	0.01	0.02
724	490420	3624586	1.81	0.21	0.04	0.00	0.12	0.01	1.36	0.01	0.03	0.01	0.02
725	490430	3624586	1.56	0.19	0.03	0.00	0.10	0.01	1.16	0.01	0.03	0.01	0.02
726	490440	3624586	1.36	0.17	0.03	0.00	0.09	0.01	1.00	0.01	0.03	0.01	0.02
727	490450	3624586	1.18	0.15	0.03	0.00	0.08	0.01	0.86	0.01	0.02	0.01	0.01
728	490460	3624586	1.04	0.14	0.02	0.00	0.07	0.01	0.75	0.01	0.02	0.00	0.01
729	490210	3624596	0.47	0.19	0.03	0.00	0.02	0.00	0.20	0.00	0.01	0.00	0.00
730	490220	3624596	0.54	0.22	0.04	0.00	0.03	0.00	0.23	0.00	0.01	0.00	0.00
731	490230	3624596	0.62	0.25	0.04	0.00	0.03	0.00	0.26	0.00	0.01	0.00	0.01
732	490240	3624596	0.71	0.29	0.05	0.00	0.04	0.00	0.31	0.00	0.01	0.00	0.01
733	490250	3624596	0.82	0.34	0.06	0.00	0.04	0.00	0.36	0.00	0.01	0.00	0.01
734	490260	3624596	0.96	0.39	0.07	0.00	0.05	0.01	0.42	0.00	0.02	0.00	0.01
735	490270	3624596	1.11	0.43	0.08	0.00	0.05	0.01	0.50	0.00	0.02	0.00	0.01
736	490280	3624596	1.28	0.48	0.08	0.00	0.06	0.01	0.61	0.01	0.02	0.00	0.01
737	490290	3624596	1.46	0.51	0.09	0.00	0.07	0.01	0.73	0.01	0.02	0.00	0.01
738	490300	3624596	1.66	0.53	0.09	0.00	0.09	0.01	0.89	0.01	0.03	0.01	0.01
739	490310	3624596	1.86	0.52	0.09	0.00	0.10	0.01	1.07	0.01	0.03	0.01	0.02
740	490320	3624596	2.06	0.50	0.09	0.00	0.11	0.01	1.27	0.01	0.03	0.01	0.02
741	490330	3624596	2.24	0.47	0.08	0.00	0.12	0.01	1.47	0.01	0.04	0.01	0.02
742	490340	3624596	2.38	0.43	0.08	0.00	0.13	0.01	1.63	0.01	0.04	0.01	0.02
743	490350	3624596	2.46	0.39	0.07	0.00	0.14	0.02	1.75	0.02	0.04	0.01	0.02
744	490360	3624596	2.48	0.36	0.06	0.00	0.14	0.02	1.81	0.02	0.04	0.01	0.02
745	490370	3624596	2.44	0.32	0.06	0.00	0.14	0.02	1.81	0.02	0.04	0.01	0.02
746	490380	3624596	2.33	0.29	0.05	0.00	0.14	0.02	1.75	0.02	0.04	0.01	0.02
747	490390	3624596	2.16	0.26	0.05	0.00	0.13	0.01	1.62	0.01	0.04	0.01	0.02
748	490400	3624596	1.95	0.23	0.04	0.00	0.12	0.01	1.46	0.01	0.04	0.01	0.02

Franklin School Project

Mitigated Residential - Residential Construction Cancer Risk Summary

666	Receptor
6.58	Max

Receptor #	X	Y	Total	Mod BC	Mod AC	Port	Demo	Grad	BC	0.00	Pav	Demo-Port. 2	Demo-Port. 1,3,4
749	490410	3624596	1.73	0.21	0.04	0.00	0.11	0.01	1.30	0.01	0.03	0.01	0.02
750	490420	3624596	1.54	0.19	0.03	0.00	0.10	0.01	1.14	0.01	0.03	0.01	0.02
751	490430	3624596	1.36	0.17	0.03	0.00	0.09	0.01	1.00	0.01	0.03	0.01	0.01
752	490440	3624596	1.20	0.16	0.03	0.00	0.08	0.01	0.87	0.01	0.02	0.01	0.01
753	490450	3624596	1.06	0.14	0.03	0.00	0.07	0.01	0.77	0.01	0.02	0.00	0.01
754	490460	3624596	0.94	0.13	0.02	0.00	0.07	0.01	0.67	0.01	0.02	0.00	0.01
755	490210	3624606	0.44	0.17	0.03	0.00	0.02	0.00	0.19	0.00	0.01	0.00	0.00
756	490220	3624606	0.49	0.20	0.03	0.00	0.03	0.00	0.22	0.00	0.01	0.00	0.00
757	490230	3624606	0.56	0.22	0.04	0.00	0.03	0.00	0.25	0.00	0.01	0.00	0.00
758	490240	3624606	0.64	0.25	0.04	0.00	0.03	0.00	0.28	0.00	0.01	0.00	0.01
759	490250	3624606	0.73	0.29	0.05	0.00	0.04	0.00	0.33	0.00	0.01	0.00	0.01
760	490260	3624606	0.84	0.32	0.06	0.00	0.04	0.00	0.38	0.00	0.01	0.00	0.01
761	490270	3624606	0.95	0.35	0.06	0.00	0.05	0.01	0.45	0.00	0.02	0.00	0.01
762	490280	3624606	1.09	0.38	0.07	0.00	0.06	0.01	0.54	0.00	0.02	0.00	0.01
763	490290	3624606	1.22	0.41	0.07	0.00	0.06	0.01	0.63	0.01	0.02	0.00	0.01
764	490300	3624606	1.37	0.42	0.07	0.00	0.07	0.01	0.75	0.01	0.02	0.00	0.01
765	490310	3624606	1.51	0.42	0.07	0.00	0.08	0.01	0.87	0.01	0.03	0.01	0.01
766	490320	3624606	1.65	0.41	0.07	0.00	0.09	0.01	1.01	0.01	0.03	0.01	0.02
767	490330	3624606	1.78	0.39	0.07	0.00	0.10	0.01	1.15	0.01	0.03	0.01	0.02
768	490340	3624606	1.87	0.37	0.06	0.00	0.11	0.01	1.26	0.01	0.03	0.01	0.02
769	490350	3624606	1.93	0.34	0.06	0.00	0.11	0.01	1.34	0.01	0.03	0.01	0.02
770	490360	3624606	1.96	0.31	0.05	0.00	0.12	0.01	1.40	0.01	0.03	0.01	0.02
771	490370	3624606	1.95	0.28	0.05	0.00	0.12	0.01	1.41	0.01	0.03	0.01	0.02
772	490380	3624606	1.88	0.26	0.05	0.00	0.11	0.01	1.38	0.01	0.03	0.01	0.02
773	490390	3624606	1.77	0.23	0.04	0.00	0.11	0.01	1.31	0.01	0.03	0.01	0.02
774	490400	3624606	1.62	0.21	0.04	0.00	0.10	0.01	1.19	0.01	0.03	0.01	0.02
775	490410	3624606	1.47	0.19	0.03	0.00	0.09	0.01	1.08	0.01	0.03	0.01	0.02
776	490420	3624606	1.33	0.18	0.03	0.00	0.09	0.01	0.97	0.01	0.03	0.01	0.01
777	490430	3624606	1.19	0.16	0.03	0.00	0.08	0.01	0.87	0.01	0.02	0.01	0.01
778	490440	3624606	1.07	0.15	0.03	0.00	0.07	0.01	0.77	0.01	0.02	0.00	0.01
779	490450	3624606	0.96	0.14	0.02	0.00	0.07	0.01	0.68	0.01	0.02	0.00	0.01
780	490460	3624606	0.86	0.12	0.02	0.00	0.06	0.01	0.61	0.01	0.02	0.00	0.01
781	490210	3624616	0.41	0.16	0.03	0.00	0.02	0.00	0.19	0.00	0.01	0.00	0.00
782	490220	3624616	0.46	0.18	0.03	0.00	0.02	0.00	0.21	0.00	0.01	0.00	0.00
783	490230	3624616	0.51	0.20	0.03	0.00	0.03	0.00	0.23	0.00	0.01	0.00	0.00
784	490240	3624616	0.58	0.22	0.04	0.00	0.03	0.00	0.27	0.00	0.01	0.00	0.00
785	490250	3624616	0.65	0.25	0.04	0.00	0.03	0.00	0.30	0.00	0.01	0.00	0.01
786	490260	3624616	0.74	0.27	0.05	0.00	0.04	0.00	0.35	0.00	0.01	0.00	0.01
787	490270	3624616	0.83	0.30	0.05	0.00	0.04	0.00	0.41	0.00	0.01	0.00	0.01
788	490280	3624616	0.93	0.32	0.06	0.00	0.05	0.01	0.48	0.00	0.02	0.00	0.01
789	490290	3624616	1.04	0.33	0.06	0.00	0.06	0.01	0.55	0.00	0.02	0.00	0.01
790	490300	3624616	1.14	0.34	0.06	0.00	0.06	0.01	0.63	0.01	0.02	0.00	0.01
791	490310	3624616	1.25	0.35	0.06	0.00	0.07	0.01	0.73	0.01	0.02	0.00	0.01
792	490320	3624616	1.36	0.34	0.06	0.00	0.08	0.01	0.82	0.01	0.02	0.01	0.01

Franklin School Project

Mitigated Residential - Residential Construction Cancer Risk Summary

666	Receptor
6.58	**Max**

Receptor #	X	Y	Total	Mod BC	Mod AC	Port	Demo	Grad	BC	0.00	Pav	Demo-Port. 2	Demo-Port. 1,3,4
793	490330	3624616	1.45	0.33	0.06	0.00	0.08	0.01	0.92	0.01	0.03	0.01	0.01
794	490340	3624616	1.52	0.31	0.05	0.00	0.09	0.01	1.00	0.01	0.03	0.01	0.01
795	490350	3624616	1.57	0.29	0.05	0.00	0.09	0.01	1.06	0.01	0.03	0.01	0.02
796	490360	3624616	1.60	0.27	0.05	0.00	0.10	0.01	1.11	0.01	0.03	0.01	0.02
797	490370	3624616	1.59	0.25	0.04	0.00	0.10	0.01	1.13	0.01	0.03	0.01	0.02
798	490380	3624616	1.55	0.23	0.04	0.00	0.10	0.01	1.11	0.01	0.03	0.01	0.02
799	490390	3624616	1.48	0.21	0.04	0.00	0.09	0.01	1.07	0.01	0.03	0.01	0.02
800	490400	3624616	1.37	0.19	0.03	0.00	0.09	0.01	0.99	0.01	0.03	0.01	0.01
801	490410	3624616	1.26	0.18	0.03	0.00	0.08	0.01	0.91	0.01	0.02	0.01	0.01
802	490420	3624616	1.16	0.16	0.03	0.00	0.08	0.01	0.83	0.01	0.02	0.01	0.01
803	490430	3624616	1.05	0.15	0.03	0.00	0.07	0.01	0.76	0.01	0.02	0.00	0.01
804	490440	3624616	0.96	0.14	0.02	0.00	0.06	0.01	0.68	0.01	0.02	0.00	0.01
805	490450	3624616	0.87	0.13	0.02	0.00	0.06	0.01	0.61	0.01	0.02	0.00	0.01
806	490460	3624616	0.78	0.12	0.02	0.00	0.05	0.01	0.55	0.00	0.02	0.00	0.01

Franklin School Project

Mitigated Residential - Residential Construction Health Impact Assessment

547	Receptor
0.05	Max

Receptor #	Max	Mod BC	Mod AC	Port	Demo	Grad	BC	AC	Paving	Demo-Port. 2	Demo-Port. 1,3,4
1	2.16E-04	1.63E-05	6.83E-06	2.27E-07	4.7E-05	1.93E-05	3.19E-05	5.38E-06	2.93E-05	2.97876E-05	2.97876E-05
2	2.38E-04	1.8E-05	7.52E-06	2.59E-07	5.19E-05	2.13E-05	3.49E-05	5.88E-06	3.23E-05	3.28392E-05	3.28392E-05
3	2.61E-04	1.98E-05	8.25E-06	2.89E-07	5.71E-05	2.34E-05	3.81E-05	6.41E-06	3.55E-05	3.61169E-05	3.61169E-05
4	2.85E-04	2.16E-05	8.99E-06	3.17E-07	6.26E-05	2.56E-05	4.14E-05	6.95E-06	3.89E-05	3.95618E-05	3.95618E-05
5	3.10E-04	2.34E-05	9.71E-06	3.41E-07	6.8E-05	2.79E-05	4.46E-05	7.5E-06	4.23E-05	4.30497E-05	4.30497E-05
6	3.33E-04	2.51E-05	1.04E-05	3.6E-07	7.33E-05	3.01E-05	4.77E-05	8.03E-06	4.55E-05	4.64105E-05	4.64105E-05
7	3.57E-04	2.68E-05	1.1E-05	3.72E-07	7.85E-05	3.23E-05	5.09E-05	8.57E-06	4.89E-05	4.98163E-05	4.98163E-05
8	3.77E-04	2.84E-05	1.17E-05	3.77E-07	8.28E-05	3.42E-05	5.35E-05	9.01E-06	5.16E-05	5.26412E-05	5.26412E-05
9	4.00E-04	3.01E-05	1.24E-05	3.83E-07	8.79E-05	3.63E-05	5.64E-05	9.52E-06	5.49E-05	5.59514E-05	5.59514E-05
10	4.21E-04	3.19E-05	1.32E-05	3.94E-07	9.25E-05	3.82E-05	5.9E-05	9.96E-06	5.79E-05	5.89181E-05	5.89181E-05
11	4.53E-04	3.4E-05	1.41E-05	4.07E-07	9.97E-05	4.13E-05	6.3E-05	1.07E-05	6.25E-05	6.36202E-05	6.36202E-05
12	4.85E-04	3.59E-05	1.5E-05	4.13E-07	0.000107	4.44E-05	6.73E-05	1.14E-05	6.7E-05	6.83624E-05	6.83624E-05
13	5.13E-04	3.74E-05	1.57E-05	4.08E-07	0.000113	4.71E-05	7.11E-05	1.21E-05	7.09E-05	7.24858E-05	7.24858E-05
14	5.35E-04	3.84E-05	1.61E-05	3.92E-07	0.000118	4.93E-05	7.46E-05	1.27E-05	7.41E-05	7.58801E-05	7.58801E-05
15	5.51E-04	3.86E-05	1.62E-05	3.66E-07	0.000121	5.09E-05	7.75E-05	1.32E-05	7.62E-05	7.82846E-05	7.82846E-05
16	5.57E-04	3.8E-05	1.6E-05	3.35E-07	0.000123	5.15E-05	7.94E-05	1.36E-05	7.68E-05	7.91909E-05	7.91909E-05
17	2.45E-04	1.88E-05	7.8E-06	3.64E-07	5.39E-05	2.17E-05	3.61E-05	6.01E-06	3.29E-05	3.35523E-05	3.35523E-05
18	2.73E-04	2.11E-05	8.74E-06	4.07E-07	6.03E-05	2.42E-05	4E-05	6.65E-06	3.69E-05	3.75098E-05	3.75098E-05
19	3.04E-04	2.35E-05	9.73E-06	4.5E-07	6.71E-05	2.7E-05	4.41E-05	7.34E-06	4.11E-05	4.18163E-05	4.18163E-05
20	3.37E-04	2.61E-05	1.08E-05	4.91E-07	7.46E-05	3.01E-05	4.85E-05	8.07E-06	4.57E-05	4.65038E-05	4.65038E-05
21	3.71E-04	2.88E-05	1.18E-05	5.3E-07	8.22E-05	3.32E-05	5.29E-05	8.81E-06	5.05E-05	5.13502E-05	5.13502E-05
22	4.05E-04	3.14E-05	1.28E-05	5.58E-07	8.98E-05	3.63E-05	5.73E-05	9.55E-06	5.52E-05	5.61743E-05	5.61743E-05
23	4.39E-04	3.4E-05	1.37E-05	5.62E-07	9.71E-05	3.95E-05	6.15E-05	1.03E-05	5.99E-05	6.10067E-05	6.10067E-05
24	4.67E-04	3.63E-05	1.47E-05	5.37E-07	0.000103	4.22E-05	6.5E-05	1.09E-05	6.4E-05	6.51188E-05	6.51188E-05
25	5.00E-04	3.87E-05	1.58E-05	5.34E-07	0.00011	4.53E-05	6.9E-05	1.16E-05	6.88E-05	6.98232E-05	6.98232E-05
26	5.32E-04	4.13E-05	1.7E-05	5.5E-07	0.000117	4.83E-05	7.3E-05	1.23E-05	7.35E-05	7.45111E-05	7.45111E-05
27	5.80E-04	4.41E-05	1.83E-05	5.64E-07	0.000128	5.3E-05	7.89E-05	1.33E-05	8.03E-05	8.16095E-05	8.16095E-05
28	6.25E-04	4.64E-05	1.94E-05	5.58E-07	0.000138	5.74E-05	8.49E-05	1.43E-05	8.66E-05	8.83148E-05	8.83148E-05
29	6.60E-04	4.8E-05	2.01E-05	5.32E-07	0.000146	6.09E-05	9E-05	1.53E-05	9.18E-05	9.37504E-05	9.37504E-05
30	6.85E-04	4.84E-05	2.04E-05	4.89E-07	0.000152	6.34E-05	9.44E-05	1.6E-05	9.51E-05	9.75095E-05	9.75095E-05
31	6.95E-04	4.77E-05	2.01E-05	4.38E-07	0.000154	6.45E-05	9.75E-05	1.66E-05	9.63E-05	9.91762E-05	9.91762E-05
32	6.89E-04	4.6E-05	1.94E-05	3.87E-07	0.000152	6.41E-05	9.86E-05	1.68E-05	9.52E-05	9.84131E-05	9.84131E-05
33	2.75E-04	2.15E-05	8.96E-06	3.49E-07	6E-05	2.44E-05	4.02E-05	6.73E-06	3.71E-05	3.76535E-05	3.76535E-05
34	3.13E-04	2.47E-05	1.02E-05	4.95E-07	6.9E-05	2.76E-05	4.55E-05	7.54E-06	4.22E-05	4.27958E-05	4.27958E-05
35	3.52E-04	2.79E-05	1.16E-05	4.15E-07	7.69E-05	3.14E-05	5.04E-05	8.45E-06	4.8E-05	4.84958E-05	4.84958E-05
36	3.98E-04	3.17E-05	1.31E-05	4.74E-07	8.72E-05	3.56E-05	5.63E-05	9.44E-06	5.44E-05	5.49868E-05	5.49868E-05
37	4.48E-04	3.58E-05	1.47E-05	5.4E-07	9.84E-05	4.01E-05	6.26E-05	1.05E-05	6.13E-05	6.19675E-05	6.19675E-05
38	4.98E-04	4.05E-05	1.62E-05	5.96E-07	0.00011	4.47E-05	6.88E-05	1.15E-05	6.83E-05	6.90441E-05	6.90441E-05
39	5.52E-04	4.68E-05	1.76E-05	6.9E-07	0.000122	4.95E-05	7.53E-05	1.26E-05	7.55E-05	7.64524E-05	7.64524E-05
40	5.98E-04	4.89E-05	1.91E-05	7.92E-07	0.000132	5.38E-05	8.12E-05	1.35E-05	8.2E-05	8.30522E-05	8.30522E-05
41	6.44E-04	5.16E-05	2.08E-05	7.83E-07	0.000143	5.82E-05	8.67E-05	1.45E-05	8.89E-05	8.98511E-05	8.98511E-05
42	6.97E-04	5.53E-05	2.27E-05	8.12E-07	0.000155	6.33E-05	9.28E-05	1.55E-05	9.67E-05	9.76541E-05	9.76541E-05
43	7.71E-04	5.91E-05	2.45E-05	8.09E-07	0.000172	7.06E-05	0.000102	1.71E-05	0.000107	0.000108873	0.000108873
44	8.30E-04	6.17E-05	2.58E-05	7.61E-07	0.000185	7.66E-05	0.00011	1.86E-05	0.000116	0.000118035	0.000118035

Franklin School Project

Mitigated Residential - Residential Construction Health Impact Assessment

547	Receptor
0.05	Max

Receptor #	Max	Mod BC	Mod AC	Port	Demo	Grad	BC	AC	Paving	Demo-Port. 2	Demo-Port. 1,3,4
45	8.73E-04	6.25E-05	2.63E-05	6.83E-07	0.000194	8.1E-05	0.000117	1.98E-05	0.000122	0.000124604	0.000124604
46	8.91E-04	6.15E-05	2.59E-05	5.94E-07	0.000198	8.3E-05	0.000122	2.08E-05	0.000124	0.000127655	0.000127655
47	8.84E-04	5.89E-05	2.48E-05	5.08E-07	0.000196	8.25E-05	0.000124	2.12E-05	0.000123	0.000126713	0.000126713
48	8.54E-04	5.51E-05	2.33E-05	4.3E-07	0.000189	7.97E-05	0.000123	2.11E-05	0.000118	0.000122312	0.000122312
49	3.09E-04	2.47E-05	1.03E-05	3.59E-07	6.71E-05	2.74E-05	4.5E-05	7.55E-06	4.19E-05	4.23009E-05	4.23009E-05
50	3.58E-04	2.89E-05	1.2E-05	5.13E-07	7.84E-05	3.16E-05	5.16E-05	8.59E-06	4.85E-05	4.89317E-05	4.89317E-05
51	4.13E-04	3.37E-05	1.4E-05	4.64E-07	8.97E-05	3.68E-05	5.84E-05	9.81E-06	5.64E-05	5.6694E-05	5.6694E-05
52	4.79E-04	3.94E-05	1.63E-05	5.59E-07	0.000104	4.27E-05	6.66E-05	1.12E-05	6.56E-05	6.58916E-05	6.58916E-05
53	5.53E-04	4.59E-05	1.88E-05	6.84E-07	0.000121	4.94E-05	7.57E-05	1.27E-05	7.6E-05	7.62713E-05	7.62713E-05
54	6.34E-04	5.49E-05	2.12E-05	8.19E-07	0.000139	5.66E-05	8.52E-05	1.42E-05	8.69E-05	8.73964E-05	8.73964E-05
55	7.14E-04	6.08E-05	2.36E-05	9.96E-07	0.000158	6.39E-05	9.49E-05	1.58E-05	9.81E-05	9.87781E-05	9.87781E-05
56	7.86E-04	6.81E-05	2.59E-05	1.18E-06	0.000175	7.03E-05	0.000103	1.71E-05	0.000108	0.000108797	0.000108797
57	8.62E-04	7.14E-05	2.88E-05	1.26E-06	0.000192	7.77E-05	0.000112	1.86E-05	0.000119	0.000120068	0.000120068
58	9.55E-04	7.74E-05	3.19E-05	1.28E-06	0.000214	8.67E-05	0.000122	2.03E-05	0.000133	0.000133943	0.000133943
59	1.07E-03	8.22E-05	3.43E-05	1.18E-06	0.000241	9.89E-05	0.000137	2.3E-05	0.00015	0.000152495	0.000152495
60	1.15E-03	8.4E-05	3.53E-05	1.02E-06	0.000257	0.000107	0.000148	2.5E-05	0.000161	0.000164364	0.000164364
61	1.18E-03	8.23E-05	3.47E-05	8.46E-07	0.000265	0.000111	0.000157	2.66E-05	0.000166	0.000170183	0.000170183
62	1.17E-03	7.8E-05	3.29E-05	6.89E-07	0.000262	0.00011	0.000161	2.75E-05	0.000164	0.000169103	0.000169103
63	1.12E-03	7.18E-05	3.04E-05	5.6E-07	0.00025	0.000105	0.00016	2.74E-05	0.000156	0.000161945	0.000161945
64	1.05E-03	6.49E-05	2.75E-05	4.55E-07	0.000232	9.82E-05	0.000154	2.64E-05	0.000144	0.000150705	0.000150705
65	3.47E-04	2.84E-05	1.19E-05	4.02E-07	7.52E-05	3.07E-05	5.04E-05	8.46E-06	4.72E-05	4.74313E-05	4.74313E-05
66	4.09E-04	3.4E-05	1.42E-05	4.77E-07	8.87E-05	3.62E-05	5.84E-05	9.81E-06	5.58E-05	5.59242E-05	5.59242E-05
67	4.88E-04	4.11E-05	1.72E-05	5.86E-07	0.000106	4.32E-05	6.83E-05	1.14E-05	6.67E-05	6.6637E-05	6.6637E-05
68	5.84E-04	5E-05	2.07E-05	7.52E-07	0.000127	5.17E-05	8E-05	1.34E-05	8.01E-05	7.98769E-05	7.98769E-05
69	6.98E-04	6.06E-05	2.48E-05	1.01E-06	0.000153	6.19E-05	9.36E-05	1.55E-05	9.6E-05	9.5714E-05	9.5714E-05
70	8.32E-04	7.47E-05	2.91E-05	1.37E-06	0.000184	7.37E-05	0.000109	1.79E-05	0.000114	0.000114056	0.000114056
71	9.71E-04	8.69E-05	3.33E-05	1.77E-06	0.000217	8.62E-05	0.000125	2.04E-05	0.000133	0.000133643	0.000133643
72	1.10E-03	9.72E-05	3.77E-05	2.16E-06	0.000248	9.77E-05	0.000139	2.26E-05	0.000151	0.000151628	0.000151628
73	1.24E-03	0.000105	4.29E-05	2.33E-06	0.000281	0.000111	0.000154	2.51E-05	0.000173	0.00017261	0.00017261
74	1.43E-03	0.000115	4.77E-05	2.1E-06	0.000323	0.000131	0.000174	2.87E-05	0.000201	0.000201904	0.000201904
75	1.57E-03	0.000118	4.97E-05	1.67E-06	0.000356	0.000146	0.000192	3.22E-05	0.000223	0.000225817	0.000225817
76	1.65E-03	0.000116	4.89E-05	1.29E-06	0.000371	0.000155	0.000208	3.51E-05	0.000233	0.000238376	0.000238376
77	1.63E-03	0.000108	4.56E-05	9.75E-07	0.000367	0.000154	0.000216	3.68E-05	0.00023	0.000236948	0.000236948
78	1.55E-03	9.73E-05	4.12E-05	7.46E-07	0.000345	0.000146	0.000216	3.69E-05	0.000215	0.000224208	0.000224208
79	1.42E-03	8.56E-05	3.63E-05	5.79E-07	0.000314	0.000133	0.000206	3.54E-05	0.000195	0.000204725	0.000204725
80	1.26E-03	7.44E-05	3.15E-05	4.57E-07	0.000279	0.000119	0.000191	3.29E-05	0.000173	0.000182003	0.000182003
81	3.87E-04	3.23E-05	1.36E-05	3.31E-07	8.26E-05	3.42E-05	5.58E-05	9.46E-06	5.27E-05	5.27266E-05	5.27266E-05
82	4.67E-04	3.99E-05	1.68E-05	4.22E-07	9.98E-05	4.13E-05	6.61E-05	1.12E-05	6.39E-05	6.36178E-05	6.36178E-05
83	5.74E-04	5.04E-05	2.11E-05	5.73E-07	0.000123	5.07E-05	7.94E-05	1.34E-05	7.89E-05	7.81485E-05	7.81485E-05
84	7.15E-04	6.42E-05	2.68E-05	8.41E-07	0.000154	6.3E-05	9.62E-05	1.61E-05	9.86E-05	9.72282E-05	9.72282E-05
85	8.98E-04	8.23E-05	3.4E-05	1.37E-06	0.000196	7.89E-05	0.000117	1.94E-05	0.000124	0.00012202	0.00012202
86	1.14E-03	0.000106	4.24E-05	2.46E-06	0.000254	9.91E-05	0.000144	2.32E-05	0.000156	0.000154036	0.000154036
87	1.41E-03	0.00013	5.09E-05	4.2E-06	0.000327	0.000123	0.000175	2.74E-05	0.000192	0.000191695	0.000191695
88	1.70E-03	0.000152	6.03E-05	5.53E-06	0.000399	0.000148	0.000205	3.16E-05	0.000232	0.000231652	0.000231652

Franklin School Project

Mitigated Residential - Residential Construction Health Impact Assessment

547	Receptor
0.05	Max

Receptor #	Max	Mod BC	Mod AC	Port	Demo	Grad	BC	AC	Paving	Demo-Port. 2	Demo-Port. 1,3,4
89	1.96E-03	0.000171	7.04E-05	4.76E-06	0.000454	0.000175	0.000227	3.6E-05	0.000274	0.000272926	0.000272926
90	2.29E-03	0.000181	7.56E-05	3.23E-06	0.000526	0.000213	0.000259	4.27E-05	0.000327	0.000329073	0.000329073
91	2.44E-03	0.000175	7.37E-05	2.13E-06	0.000558	0.000232	0.000285	4.8E-05	0.00035	0.000356791	0.000356791
92	2.42E-03	0.000159	6.73E-05	1.44E-06	0.00055	0.000232	0.000304	5.18E-05	0.000345	0.000355987	0.000355987
93	2.26E-03	0.000138	5.86E-05	1.01E-06	0.000508	0.000215	0.000306	5.23E-05	0.000317	0.000330133	0.000330133
94	2.01E-03	0.000117	4.97E-05	7.4E-07	0.000447	0.00019	0.000289	4.98E-05	0.000278	0.000291866	0.000291866
95	1.73E-03	9.83E-05	4.17E-05	5.57E-07	0.000384	0.000163	0.000263	4.52E-05	0.000237	0.000250689	0.000250689
96	1.48E-03	8.21E-05	3.48E-05	4.32E-07	0.000325	0.000138	0.000232	4E-05	0.0002	0.000212308	0.000212308
97	4.25E-04	3.63E-05	1.53E-05	3.07E-07	9.01E-05	3.76E-05	6.15E-05	1.05E-05	5.81E-05	5.78637E-05	5.78637E-05
98	5.27E-04	4.64E-05	1.96E-05	4.09E-07	0.000112	4.65E-05	7.46E-05	1.27E-05	7.23E-05	7.15285E-05	7.15285E-05
99	6.72E-04	6.15E-05	2.59E-05	5.94E-07	0.000142	5.9E-05	9.24E-05	1.56E-05	9.25E-05	9.08367E-05	9.08367E-05
100	8.76E-04	8.36E-05	3.51E-05	9.66E-07	0.000187	7.65E-05	0.000116	1.95E-05	0.000121	0.000118051	0.000118051
101	1.17E-03	0.000116	4.86E-05	1.9E-06	0.000254	0.000101	0.000149	2.45E-05	0.000162	0.000157173	0.000157173
102	1.64E-03	0.000166	6.74E-05	5.26E-06	0.000373	0.000138	0.0002	3.1E-05	0.000222	0.000216416	0.000216416
103	2.42E-03	0.000224	8.9E-05	1.98E-05	0.000638	0.000188	0.000305	3.86E-05	0.000302	0.000307123	0.000307123
104	3.09E-03	0.00028	0.000113	2.22E-05	0.000807	0.00025	0.000364	4.71E-05	0.000399	0.000404328	0.000404328
105	3.54E-03	0.000314	0.000131	8.77E-06	0.000835	0.000322	0.000361	5.63E-05	0.000507	0.000501402	0.000501402
106	4.05E-03	0.000298	0.000126	4.04E-06	0.000945	0.000391	0.000413	6.89E-05	0.000595	0.000602117	0.000602117
107	3.98E-03	0.000256	0.000108	2.23E-06	0.000922	0.000389	0.000455	7.74E-05	0.000578	0.000597271	0.000597271
108	3.59E-03	0.00021	8.91E-05	1.39E-06	0.000818	0.000348	0.000465	7.99E-05	0.000509	0.000533108	0.000533108
109	3.04E-03	0.000168	7.14E-05	9.41E-07	0.000683	0.000291	0.000435	7.49E-05	0.000422	0.000446423	0.000446423
110	2.50E-03	0.000134	5.69E-05	6.73E-07	0.000554	0.000237	0.000382	6.58E-05	0.000341	0.000362826	0.000362826
111	2.02E-03	0.000107	4.55E-05	5.03E-07	0.000445	0.00019	0.000323	5.57E-05	0.000273	0.000291496	0.000291496
112	1.64E-03	8.63E-05	3.67E-05	3.88E-07	0.000359	0.000154	0.00027	4.67E-05	0.00022	0.000235616	0.000235616
113	4.62E-04	4.01E-05	1.7E-05	2.91E-07	9.71E-05	4.07E-05	6.71E-05	1.14E-05	6.3E-05	6.25506E-05	6.25506E-05
114	5.87E-04	5.32E-05	2.25E-05	3.97E-07	0.000123	5.15E-05	8.34E-05	1.42E-05	8.05E-05	7.92003E-05	7.92003E-05
115	7.73E-04	7.38E-05	3.12E-05	5.89E-07	0.000162	6.74E-05	0.000106	1.81E-05	0.000107	0.000103665	0.000103665
116	1.06E-03	0.000108	4.56E-05	9.85E-07	0.000222	9.15E-05	0.000139	2.35E-05	0.000147	0.000140995	0.000140995
117	1.53E-03	0.000169	7.12E-05	2.05E-06	0.000322	0.00013	0.000189	3.14E-05	0.000213	0.000201365	0.000201365
118	8.06E-03	0.000484	0.000205	3.53E-06	0.001937	0.000822	0.000746	0.000127	0.001213	0.00126189	0.00126189
119	6.56E-03	0.000351	0.000149	1.89E-06	0.00153	0.000654	0.000791	0.000136	0.000947	0.001002075	0.001002075
120	5.09E-03	0.000256	0.000109	1.18E-06	0.001156	0.000495	0.000726	0.000125	0.000708	0.0007582	0.0007582
121	3.85E-03	0.000189	8.03E-05	7.99E-07	0.000857	0.000367	0.000602	0.000104	0.000523	0.00056296	0.00056296
122	2.90E-03	0.000142	6.05E-05	5.76E-07	0.000639	0.000274	0.000478	8.26E-05	0.000389	0.000419496	0.000419496
123	2.22E-03	0.000109	4.65E-05	4.35E-07	0.000483	0.000207	0.000375	6.48E-05	0.000294	0.000317426	0.000317426
124	1.72E-03	8.59E-05	3.65E-05	3.39E-07	0.000374	0.00016	0.000297	5.13E-05	0.000227	0.00024538	0.00024538
125	4.88E-04	4.3E-05	1.82E-05	2.7E-07	0.000102	4.27E-05	7.18E-05	1.23E-05	6.66E-05	6.56758E-05	6.56758E-05
126	6.33E-04	5.83E-05	2.47E-05	3.66E-07	0.000131	5.52E-05	9.09E-05	1.55E-05	8.65E-05	8.48959E-05	8.48959E-05
127	8.54E-04	8.4E-05	3.56E-05	5.29E-07	0.000176	7.39E-05	0.000119	2.03E-05	0.000117	0.000113585	0.000113585
128	1.22E-03	0.000132	5.57E-05	8.48E-07	0.00025	0.000104	0.000162	2.76E-05	0.000169	0.000160331	0.000160331
129	1.87E-03	0.000229	9.69E-05	1.53E-06	0.000377	0.000156	0.000231	3.9E-05	0.000261	0.000240882	0.000240882
130	1.59E-02	0.000681	0.00029	2.38E-06	0.003872	0.001665	0.001628	0.000281	0.002348	0.002549293	0.002549293
131	9.97E-03	0.000419	0.000178	1.43E-06	0.002292	0.000985	0.001446	0.00025	0.00138	0.00150916	0.00150916
132	6.46E-03	0.000274	0.000116	9.26E-07	0.001439	0.000618	0.001066	0.000185	0.000863	0.000947257	0.000947257

Franklin School Project

Mitigated Residential - Residential Construction Health Impact Assessment

547	Receptor
0.05	Max

Receptor #	Max	Mod BC	Mod AC	Port	Demo	Grad	BC	AC	Paving	Demo-Port. 2	Demo-Port. 1,3,4
133	4.41E-03	0.000193	8.2E-05	6.6E-07	0.000968	0.000416	0.000766	0.000133	0.000581	0.000636943	0.000636943
134	3.08E-03	0.000139	5.93E-05	4.86E-07	0.000669	0.000287	0.000546	9.45E-05	0.000403	0.000439766	0.000439766
135	2.24E-03	0.000105	4.45E-05	3.73E-07	0.000484	0.000208	0.000401	6.94E-05	0.000292	0.000318069	0.000318069
136	1.68E-03	8.1E-05	3.44E-05	2.95E-07	0.000361	0.000155	0.000302	5.22E-05	0.000219	0.000237581	0.000237581
137	5.03E-04	4.44E-05	1.88E-05	2.45E-07	0.000104	4.4E-05	7.5E-05	1.29E-05	6.82E-05	6.75326E-05	6.75326E-05
138	6.59E-04	6.1E-05	2.59E-05	3.24E-07	0.000136	5.73E-05	9.63E-05	1.65E-05	8.97E-05	8.80025E-05	8.80025E-05
139	8.99E-04	8.9E-05	3.78E-05	4.45E-07	0.000184	7.74E-05	0.000128	2.2E-05	0.000123	0.00011888	0.00011888
140	1.32E-03	0.000145	6.14E-05	6.6E-07	0.000265	0.000112	0.000181	3.09E-05	0.000181	0.000171265	0.000171265
141	2.08E-03	0.000262	0.000111	1.01E-06	0.000406	0.000171	0.00027	4.61E-05	0.000288	0.000263168	0.000263168
142	2.48E-02	0.000728	0.00031	1.55E-06	0.005703	0.002461	0.004029	0.000699	0.003303	0.003766398	0.003766398
143	1.25E-02	0.000407	0.000173	1.05E-06	0.002751	0.001186	0.002324	0.000403	0.001603	0.001814931	0.001814931
144	6.97E-03	0.000256	0.000109	7.43E-07	0.001513	0.000651	0.001327	0.00023	0.00089	0.000997016	0.000997016
145	4.42E-03	0.000178	7.55E-05	5.55E-07	0.000952	0.000409	0.000839	0.000145	0.000565	0.000626998	0.000626998
146	2.92E-03	0.000127	5.38E-05	4.18E-07	0.000627	0.00027	0.00055	9.52E-05	0.000375	0.000412793	0.000412793
147	2.07E-03	9.45E-05	4.02E-05	3.26E-07	0.000444	0.00019	0.000387	6.7E-05	0.000266	0.000291741	0.000291741
148	1.53E-03	7.3E-05	3.1E-05	2.61E-07	0.000327	0.00014	0.000283	4.89E-05	0.000197	0.000214959	0.000214959
149	5.01E-04	4.4E-05	1.87E-05	2.17E-07	0.000103	4.37E-05	7.62E-05	1.31E-05	6.79E-05	6.7067E-05	6.7067E-05
150	6.47E-04	5.97E-05	2.54E-05	2.75E-07	0.000132	5.58E-05	9.8E-05	1.68E-05	8.74E-05	8.56974E-05	8.56974E-05
151	8.93E-04	8.72E-05	3.71E-05	3.64E-07	0.000181	7.66E-05	0.000132	2.27E-05	0.000121	0.000117561	0.000117561
152	1.30E-03	0.000139	5.9E-05	4.98E-07	0.000258	0.00011	0.000188	3.23E-05	0.000177	0.000168152	0.000168152
153	2.07E-03	0.000252	0.000107	7.03E-07	0.000398	0.000169	0.00029	4.99E-05	0.000281	0.000259618	0.000259618
154	4.10E-02	0.00066	0.000281	1.1E-06	0.008686	0.003753	0.00967	0.001679	0.004792	0.005743901	0.005743901
155	1.22E-02	0.000344	0.000146	8.2E-07	0.002577	0.001111	0.002635	0.000457	0.001475	0.001701274	0.001701274
156	5.94E-03	0.00021	8.95E-05	6.04E-07	0.001264	0.000544	0.001217	0.000211	0.000738	0.00083319	0.00083319
157	3.80E-03	0.000151	6.41E-05	4.76E-07	0.00081	0.000348	0.000753	0.00013	0.000479	0.000533295	0.000533295
158	2.52E-03	0.000109	4.63E-05	3.69E-07	0.000536	0.00023	0.000485	8.41E-05	0.00032	0.000352959	0.000352959
159	1.78E-03	8.21E-05	3.49E-05	2.92E-07	0.000379	0.000162	0.000337	5.83E-05	0.000227	0.000248886	0.000248886
160	1.33E-03	6.4E-05	2.72E-05	2.36E-07	0.000282	0.000121	0.000247	4.27E-05	0.00017	0.000185428	0.000185428
161	4.56E-04	4.17E-05	1.77E-05	1.88E-07	9.35E-05	3.96E-05	6.8E-05	1.17E-05	6.19E-05	6.08049E-05	6.08049E-05
162	5.90E-04	5.58E-05	2.37E-05	2.32E-07	0.00012	5.07E-05	8.94E-05	1.54E-05	8.01E-05	7.77655E-05	7.77655E-05
163	7.93E-04	7.87E-05	3.34E-05	2.93E-07	0.000158	6.72E-05	0.000121	2.08E-05	0.000107	0.000103098	0.000103098
164	1.17E-03	0.00012	5.1E-05	3.82E-07	0.000232	9.86E-05	0.000179	3.09E-05	0.000157	0.000151299	0.000151299
165	1.86E-03	0.000208	8.87E-05	5.16E-07	0.000361	0.000154	0.00028	4.84E-05	0.000247	0.000235693	0.000235693
166	3.28E-03	0.000429	0.000183	6.81E-07	0.000608	0.00026	0.000491	8.49E-05	0.000429	0.00039885	0.00039885
167	7.16E-03	0.001085	0.000463	8.36E-07	0.00125	0.000537	0.001098	0.00019	0.000887	0.000822847	0.000822847
168	1.83E-02	0.001645	0.000702	9.2E-07	0.003397	0.001466	0.003784	0.000657	0.002126	0.002243216	0.002243216
169	2.89E-02	0.000865	0.000369	8.98E-07	0.005559	0.002401	0.007796	0.001354	0.003172	0.003674802	0.003674802
170	1.77E-02	0.000452	0.000193	7.9E-07	0.003617	0.001562	0.004335	0.000753	0.00205	0.002389984	0.002389984
171	8.42E-03	0.000269	0.000115	6.49E-07	0.001762	0.000759	0.001848	0.000321	0.001019	0.001162705	0.001162705
172	4.32E-03	0.000165	7.02E-05	4.95E-07	0.000915	0.000394	0.000881	0.000153	0.000538	0.000603116	0.000603116
173	2.81E-03	0.000117	4.99E-05	3.94E-07	0.000597	0.000257	0.000551	9.55E-05	0.000354	0.000392972	0.000392972
174	2.07E-03	9.21E-05	3.92E-05	3.28E-07	0.00044	0.000189	0.000396	6.86E-05	0.000263	0.000289458	0.000289458
175	1.49E-03	7.07E-05	3E-05	2.65E-07	0.000318	0.000136	0.00028	4.85E-05	0.000192	0.000208995	0.000208995
176	1.13E-03	5.58E-05	2.37E-05	2.17E-07	0.000241	0.000103	0.000209	3.61E-05	0.000146	0.000158113	0.000158113

Franklin School Project

Mitigated Residential - Residential Construction Health Impact Assessment

547	Receptor
0.05	Max

Receptor #	Max	Mod BC	Mod AC	Port	Demo	Grad	BC	AC	Paving	Demo-Port. 2	Demo-Port. 1,3,4
177	4.25E-04	3.84E-05	1.63E-05	1.63E-07	8.68E-05	3.68E-05	6.47E-05	1.11E-05	5.75E-05	5.65146E-05	5.65146E-05
178	5.41E-04	5.02E-05	2.13E-05	1.97E-07	0.00011	4.65E-05	8.29E-05	1.43E-05	7.29E-05	7.14028E-05	7.14028E-05
179	7.02E-04	6.8E-05	2.89E-05	2.41E-07	0.000141	6.01E-05	0.000107	1.83E-05	9.46E-05	9.21231E-05	9.21231E-05
180	1.04E-03	9.83E-05	4.18E-05	3.05E-07	0.000208	8.84E-05	0.000165	2.85E-05	0.000138	0.000135612	0.000135612
181	1.53E-03	0.000155	6.59E-05	3.91E-07	0.0003	0.000128	0.000244	4.21E-05	0.000202	0.000196498	0.000196498
182	2.40E-03	0.000257	0.00011	4.84E-07	0.000461	0.000197	0.000389	6.73E-05	0.000312	0.00030245	0.00030245
183	4.10E-03	0.000422	0.00018	5.7E-07	0.000781	0.000336	0.000711	0.000123	0.000519	0.000513951	0.000513951
184	6.80E-03	0.000528	0.000225	6.23E-07	0.001318	0.000567	0.001359	0.000236	0.000832	0.000868812	0.000868812
185	8.92E-03	0.00044	0.000188	6.26E-07	0.001772	0.000764	0.002009	0.000349	0.001062	0.001169258	0.001169258
186	7.68E-03	0.000298	0.000127	5.79E-07	0.001568	0.000676	0.001723	0.000299	0.000922	0.001034444	0.001034444
187	5.26E-03	0.000203	8.65E-05	5.07E-07	0.001098	0.000473	0.001113	0.000193	0.000646	0.00072362	0.00072362
188	3.44E-03	0.000141	6.02E-05	4.25E-07	0.000727	0.000313	0.00069	0.00012	0.000431	0.00047881	0.00047881
189	2.19E-03	9.68E-05	4.12E-05	3.36E-07	0.000466	0.0002	0.000421	7.29E-05	0.000279	0.000306715	0.000306715
190	1.68E-03	7.76E-05	3.3E-05	2.88E-07	0.000359	0.000154	0.000317	5.49E-05	0.000216	0.000236071	0.000236071
191	1.28E-03	6.18E-05	2.63E-05	2.41E-07	0.000273	0.000117	0.000236	4.09E-05	0.000165	0.000179217	0.000179217
192	9.83E-04	4.95E-05	2.1E-05	2E-07	0.00021	8.99E-05	0.000179	3.09E-05	0.000127	0.000137713	0.000137713
193	3.97E-04	3.47E-05	1.47E-05	1.42E-07	8.04E-05	3.42E-05	6.39E-05	1.1E-05	5.3E-05	5.24076E-05	5.24076E-05
194	5.06E-04	4.4E-05	1.87E-05	1.69E-07	0.000103	4.36E-05	8.19E-05	1.41E-05	6.73E-05	6.68901E-05	6.68901E-05
195	6.69E-04	5.78E-05	2.46E-05	2.03E-07	0.000136	5.78E-05	0.000108	1.87E-05	8.88E-05	8.86623E-05	8.86623E-05
196	8.88E-04	7.93E-05	3.37E-05	2.49E-07	0.000179	7.61E-05	0.000144	2.48E-05	0.000117	0.000116743	0.000116743
197	1.22E-03	0.000113	4.8E-05	3.04E-07	0.000242	0.000103	0.000199	3.44E-05	0.00016	0.000158409	0.000158409
198	1.75E-03	0.000164	6.97E-05	3.62E-07	0.000345	0.000148	0.000294	5.08E-05	0.000228	0.000226382	0.000226382
199	2.59E-03	0.000225	9.59E-05	4.15E-07	0.00051	0.000219	0.000461	7.98E-05	0.000331	0.000335383	0.000335383
200	3.62E-03	0.000265	0.000113	4.49E-07	0.000719	0.000309	0.000698	0.000121	0.000454	0.000473065	0.000473065
201	4.37E-03	0.000252	0.000107	4.57E-07	0.000878	0.000378	0.000899	0.000156	0.000538	0.000578781	0.000578781
202	4.15E-03	0.0002	8.52E-05	4.33E-07	0.000849	0.000366	0.000865	0.00015	0.000511	0.000559688	0.000559688
203	3.20E-03	0.000145	6.17E-05	3.84E-07	0.000666	0.000287	0.000648	0.000112	0.000399	0.000438844	0.000438844
204	2.45E-03	0.000111	4.7E-05	3.39E-07	0.000515	0.000222	0.00048	8.31E-05	0.000309	0.000339278	0.000339278
205	1.82E-03	8.43E-05	3.59E-05	2.92E-07	0.000386	0.000166	0.000346	5.99E-05	0.000232	0.000253994	0.000253994
206	1.33E-03	6.38E-05	2.71E-05	2.42E-07	0.000283	0.000122	0.000246	4.26E-05	0.000171	0.000186183	0.000186183
207	1.11E-03	5.45E-05	2.32E-05	2.16E-07	0.000236	0.000101	0.000202	3.5E-05	0.000143	0.000155254	0.000155254
208	8.76E-04	4.46E-05	1.9E-05	1.84E-07	0.000187	8.02E-05	0.000158	2.73E-05	0.000114	0.000122964	0.000122964
209	3.83E-04	3.09E-05	1.31E-05	1.25E-07	7.86E-05	3.35E-05	6.25E-05	1.08E-05	5.06E-05	5.13212E-05	5.13212E-05
210	4.69E-04	3.83E-05	1.63E-05	1.46E-07	9.59E-05	4.08E-05	7.65E-05	1.32E-05	6.25E-05	6.26454E-05	6.26454E-05
211	5.84E-04	4.86E-05	2.07E-05	1.73E-07	0.000119	5.07E-05	9.54E-05	1.65E-05	7.73E-05	7.78153E-05	7.78153E-05
212	7.42E-04	6.33E-05	2.69E-05	2.05E-07	0.00015	6.41E-05	0.000122	2.1E-05	9.79E-05	9.82214E-05	9.82214E-05
213	9.71E-04	8.43E-05	3.59E-05	2.43E-07	0.000195	8.33E-05	0.000161	2.79E-05	0.000128	0.000127742	0.000127742
214	1.32E-03	0.000112	4.77E-05	2.82E-07	0.000264	0.000113	0.000224	3.88E-05	0.000172	0.000172862	0.000172862
215	1.79E-03	0.000141	6E-05	3.16E-07	0.000358	0.000153	0.000319	5.53E-05	0.000229	0.000234937	0.000234937
216	2.26E-03	0.000159	6.79E-05	3.38E-07	0.000455	0.000195	0.000424	7.34E-05	0.000286	0.000299001	0.000299001
217	2.59E-03	0.000159	6.78E-05	3.45E-07	0.000527	0.000226	0.000507	8.78E-05	0.000326	0.000346638	0.000346638
218	2.59E-03	0.00014	5.96E-05	3.35E-07	0.000531	0.000228	0.000513	8.9E-05	0.000324	0.000349696	0.000349696
219	2.34E-03	0.000118	5.01E-05	3.16E-07	0.000487	0.000209	0.000463	8.03E-05	0.000295	0.000320628	0.000320628
220	1.96E-03	9.57E-05	4.07E-05	2.9E-07	0.000412	0.000177	0.00038	6.59E-05	0.000249	0.000270738	0.000270738

Franklin School Project

Mitigated Residential - Residential Construction Health Impact Assessment

547	Receptor
0.05	Max

Receptor #	Max	Mod BC	Mod AC	Port	Demo	Grad	BC	AC	Paving	Demo-Port. 2	Demo-Port. 1,3,4
221	1.56E-03	7.61E-05	3.24E-05	2.57E-07	0.00033	0.000142	0.000295	5.12E-05	0.0002	0.000216992	0.000216992
222	1.13E-03	5.63E-05	2.39E-05	2.12E-07	0.000241	0.000103	0.000208	3.6E-05	0.000146	0.000158085	0.000158085
223	9.00E-04	4.56E-05	1.94E-05	1.84E-07	0.000192	8.23E-05	0.000163	2.82E-05	0.000117	0.000126173	0.000126173
224	7.86E-04	4.05E-05	1.72E-05	1.68E-07	0.000168	7.2E-05	0.000141	2.44E-05	0.000102	0.000110333	0.000110333
225	3.49E-04	2.74E-05	1.16E-05	1.11E-07	7.21E-05	3.07E-05	5.7E-05	9.82E-06	4.64E-05	4.71146E-05	4.71146E-05
226	4.17E-04	3.32E-05	1.41E-05	1.28E-07	8.57E-05	3.65E-05	6.83E-05	1.18E-05	5.53E-05	5.60179E-05	5.60179E-05
227	5.05E-04	4.09E-05	1.74E-05	1.48E-07	0.000103	4.41E-05	8.32E-05	1.43E-05	6.69E-05	6.75943E-05	6.75943E-05
228	6.25E-04	5.13E-05	2.18E-05	1.72E-07	0.000127	5.43E-05	0.000104	1.79E-05	8.26E-05	8.32784E-05	8.32784E-05
229	7.90E-04	6.49E-05	2.76E-05	1.99E-07	0.00016	6.84E-05	0.000132	2.28E-05	0.000104	0.000104845	0.000104845
230	1.01E-03	8.12E-05	3.46E-05	2.26E-07	0.000205	8.77E-05	0.000174	3E-05	0.000132	0.000134434	0.000134434
231	1.28E-03	9.72E-05	4.14E-05	2.49E-07	0.00026	0.000111	0.000227	3.93E-05	0.000166	0.000170395	0.000170395
232	1.55E-03	0.000108	4.61E-05	2.65E-07	0.000315	0.000135	0.000285	4.94E-05	0.000199	0.000207205	0.000207205
233	1.74E-03	0.000111	4.71E-05	2.72E-07	0.000356	0.000153	0.00033	5.71E-05	0.000222	0.000234226	0.000234226
234	1.79E-03	0.000103	4.41E-05	2.69E-07	0.000368	0.000158	0.000343	5.95E-05	0.000227	0.000242206	0.000242206
235	1.70E-03	9.19E-05	3.91E-05	2.58E-07	0.000352	0.000151	0.000326	5.65E-05	0.000215	0.00023163	0.00023163
236	1.50E-03	7.83E-05	3.33E-05	2.41E-07	0.000314	0.000135	0.000285	4.94E-05	0.000191	0.000206377	0.000206377
237	1.27E-03	6.52E-05	2.77E-05	2.2E-07	0.000267	0.000115	0.000237	4.11E-05	0.000162	0.000175471	0.000175471
238	1.04E-03	5.35E-05	2.28E-05	1.96E-07	0.000221	9.47E-05	0.000192	3.32E-05	0.000134	0.00014506	0.00014506
239	7.88E-04	4.1E-05	1.74E-05	1.63E-07	0.000168	7.2E-05	0.000142	2.46E-05	0.000102	0.000110251	0.000110251
240	6.54E-04	3.44E-05	1.46E-05	1.44E-07	0.00014	5.98E-05	0.000116	2.01E-05	8.52E-05	9.16202E-05	9.16202E-05
241	3.10E-04	2.39E-05	1.02E-05	9.75E-08	6.4E-05	2.73E-05	5.11E-05	8.81E-06	4.14E-05	4.17966E-05	4.17966E-05
242	3.66E-04	2.85E-05	1.21E-05	1.11E-07	7.55E-05	3.22E-05	6.03E-05	1.04E-05	4.85E-05	4.93522E-05	4.93522E-05
243	4.36E-04	3.44E-05	1.46E-05	1.28E-07	8.95E-05	3.82E-05	7.2E-05	1.24E-05	5.76E-05	5.84988E-05	5.84988E-05
244	5.24E-04	4.17E-05	1.77E-05	1.46E-07	0.000107	4.57E-05	8.7E-05	1.5E-05	6.91E-05	7.00983E-05	7.00983E-05
245	6.45E-04	5.12E-05	2.18E-05	1.66E-07	0.000132	5.62E-05	0.000108	1.87E-05	8.49E-05	8.6187E-05	8.6187E-05
246	7.92E-04	6.14E-05	2.61E-05	1.85E-07	0.000161	6.89E-05	0.000135	2.34E-05	0.000104	0.000105665	0.000105665
247	9.66E-04	7.13E-05	3.03E-05	2.02E-07	0.000197	8.43E-05	0.00017	2.93E-05	0.000125	0.000129173	0.000129173
248	1.13E-03	7.82E-05	3.33E-05	2.14E-07	0.000231	9.91E-05	0.000204	3.53E-05	0.000146	0.000151879	0.000151879
249	1.25E-03	8.06E-05	3.43E-05	2.19E-07	0.000257	0.00011	0.000231	4E-05	0.00016	0.000168726	0.000168726
250	1.30E-03	7.8E-05	3.32E-05	2.19E-07	0.000267	0.000115	0.000242	4.2E-05	0.000166	0.000175743	0.000175743
251	1.26E-03	7.19E-05	3.06E-05	2.12E-07	0.000262	0.000112	0.000237	4.1E-05	0.000161	0.000172073	0.000172073
252	1.16E-03	6.38E-05	2.72E-05	2.02E-07	0.000243	0.000104	0.000217	3.76E-05	0.000149	0.000159564	0.000159564
253	1.03E-03	5.53E-05	2.35E-05	1.88E-07	0.000216	9.27E-05	0.000191	3.3E-05	0.000132	0.000142062	0.000142062
254	8.85E-04	4.73E-05	2.01E-05	1.72E-07	0.000187	8.02E-05	0.000162	2.8E-05	0.000114	0.000122926	0.000122926
255	7.37E-04	3.93E-05	1.67E-05	1.53E-07	0.000157	6.71E-05	0.000133	2.3E-05	9.57E-05	0.000102782	0.000102782
256	5.82E-04	3.13E-05	1.33E-05	1.3E-07	0.000124	5.31E-05	0.000103	1.79E-05	7.59E-05	8.1354E-05	8.1354E-05
257	2.80E-04	2.12E-05	9.01E-06	8.72E-08	5.8E-05	2.47E-05	4.6E-05	7.93E-06	3.71E-05	3.78784E-05	3.78784E-05
258	3.23E-04	2.47E-05	1.05E-05	9.8E-08	6.67E-05	2.84E-05	5.33E-05	9.18E-06	4.28E-05	4.36043E-05	4.36043E-05
259	3.78E-04	2.92E-05	1.24E-05	1.11E-07	7.79E-05	3.32E-05	6.26E-05	1.08E-05	5E-05	5.09404E-05	5.09404E-05
260	4.49E-04	3.48E-05	1.48E-05	1.25E-07	9.22E-05	3.93E-05	7.47E-05	1.29E-05	5.93E-05	6.02948E-05	6.02948E-05
261	5.36E-04	4.13E-05	1.76E-05	1.4E-07	0.00011	4.69E-05	9.01E-05	1.56E-05	7.06E-05	7.19584E-05	7.19584E-05
262	6.40E-04	4.82E-05	2.05E-05	1.55E-07	0.000131	5.6E-05	0.000109	1.89E-05	8.39E-05	8.58795E-05	8.58795E-05
263	7.55E-04	5.46E-05	2.32E-05	1.67E-07	0.000155	6.63E-05	0.000132	2.28E-05	9.84E-05	0.000101547	0.000101547
264	8.63E-04	5.92E-05	2.52E-05	1.76E-07	0.000177	7.59E-05	0.000154	2.66E-05	0.000112	0.000116376	0.000116376

Franklin School Project

Mitigated Residential - Residential Construction Health Impact Assessment

547	Receptor
0.05	Max

Receptor #	Max	Mod BC	Mod AC	Port	Demo	Grad	BC	AC	Paving	Demo-Port. 2	Demo-Port. 1,3,4
265	9.42E-04	6.12E-05	2.61E-05	1.81E-07	0.000194	8.32E-05	0.000171	2.96E-05	0.000121	0.000127452	0.000127452
266	9.78E-04	6.04E-05	2.57E-05	1.81E-07	0.000202	8.68E-05	0.00018	3.11E-05	0.000126	0.000132949	0.000132949
267	9.67E-04	5.72E-05	2.43E-05	1.77E-07	0.000201	8.63E-05	0.000179	3.09E-05	0.000124	0.000132183	0.000132183
268	9.17E-04	5.24E-05	2.23E-05	1.7E-07	0.000192	8.22E-05	0.000169	2.92E-05	0.000118	0.000125876	0.000125876
269	8.38E-04	4.68E-05	1.99E-05	1.61E-07	0.000176	7.55E-05	0.000154	2.66E-05	0.000108	0.000115604	0.000115604
270	7.46E-04	4.12E-05	1.75E-05	1.5E-07	0.000157	6.75E-05	0.000136	2.35E-05	9.66E-05	0.000103378	0.000103378
271	6.47E-04	3.54E-05	1.51E-05	1.37E-07	0.000137	5.87E-05	0.000116	2.01E-05	8.41E-05	8.99867E-05	8.99867E-05
272	5.25E-04	2.88E-05	1.22E-05	1.18E-07	0.000112	4.78E-05	9.33E-05	1.61E-05	6.85E-05	7.32931E-05	7.32931E-05
273	1.64E-03	0.000166	6.74E-05	5.26E-06	0.000373	0.000138	0.0002	3.1E-05	0.000222	0.000216416	0.000216416
274	1.75E-03	0.000178	7.15E-05	6.76E-06	0.000408	0.000146	0.000214	3.23E-05	0.000235	0.000230305	0.000230305
275	1.89E-03	0.000192	7.56E-05	8.87E-06	0.00045	0.000155	0.000231	3.38E-05	0.00025	0.000246187	0.000246187
276	2.04E-03	0.000203	8E-05	1.18E-05	0.000503	0.000165	0.000252	3.53E-05	0.000265	0.000263978	0.000263978
277	2.23E-03	0.000211	8.46E-05	1.56E-05	0.000569	0.000176	0.000278	3.7E-05	0.000284	0.000285296	0.000285296
278	2.42E-03	0.000224	8.9E-05	1.98E-05	0.000638	0.000188	0.000305	3.86E-05	0.000302	0.000307123	0.000307123
279	2.59E-03	0.000236	9.34E-05	2.31E-05	0.000698	0.000199	0.000328	4.01E-05	0.000319	0.000326857	0.000326857
280	2.74E-03	0.000251	9.79E-05	2.5E-05	0.000743	0.000209	0.000344	4.17E-05	0.000336	0.000345485	0.000345485
281	2.87E-03	0.000263	0.000103	2.57E-05	0.000777	0.000221	0.000356	4.33E-05	0.000354	0.000364138	0.000364138
282	2.99E-03	0.000272	0.000108	2.48E-05	0.000799	0.000235	0.000363	4.5E-05	0.000375	0.000383818	0.000383818
283	3.09E-03	0.00028	0.000113	2.22E-05	0.000807	0.00025	0.000364	4.71E-05	0.000399	0.000404328	0.000404328
284	3.15E-03	0.000289	0.000118	1.89E-05	0.0008	0.000262	0.000359	4.86E-05	0.000418	0.000419293	0.000419293
285	3.23E-03	0.000298	0.000122	1.55E-05	0.000797	0.000275	0.000355	5.04E-05	0.000439	0.000436945	0.000436945
286	3.32E-03	0.000305	0.000126	1.27E-05	0.000803	0.00029	0.000354	5.23E-05	0.000461	0.000457172	0.000457172
287	3.44E-03	0.00031	0.000129	1.05E-05	0.000821	0.000308	0.000358	5.46E-05	0.000486	0.000481853	0.000481853
288	3.54E-03	0.000314	0.000131	8.77E-06	0.000835	0.000322	0.000361	5.63E-05	0.000507	0.000501402	0.000501402
289	3.67E-03	0.000315	0.000132	7.39E-06	0.000863	0.00034	0.00037	5.88E-05	0.000532	0.000527994	0.000527994
290	3.82E-03	0.000313	0.000132	6.27E-06	0.000895	0.000359	0.000383	6.21E-05	0.000557	0.000556128	0.000556128
291	3.93E-03	0.00031	0.00013	5.37E-06	0.000921	0.000374	0.000396	6.48E-05	0.000576	0.000578038	0.000578038
292	4.00E-03	0.000305	0.000129	4.64E-06	0.000936	0.000384	0.000404	6.69E-05	0.000588	0.00059251	0.00059251
293	4.05E-03	0.000298	0.000126	4.04E-06	0.000945	0.000391	0.000413	6.89E-05	0.000595	0.000602117	0.000602117
294	4.06E-03	0.00029	0.000123	3.53E-06	0.000948	0.000394	0.000422	7.07E-05	0.000597	0.00060695	0.00060695
295	4.07E-03	0.000283	0.00012	3.12E-06	0.000949	0.000397	0.000431	7.27E-05	0.000597	0.000609861	0.000609861
296	4.06E-03	0.000274	0.000116	2.78E-06	0.000944	0.000396	0.00044	7.45E-05	0.000594	0.00060901	0.00060901
297	4.03E-03	0.000265	0.000112	2.48E-06	0.000935	0.000393	0.000448	7.6E-05	0.000587	0.000604409	0.000604409
298	3.98E-03	0.000256	0.000108	2.23E-06	0.000922	0.000389	0.000455	7.74E-05	0.000578	0.000597271	0.000597271
299	1.77E-03	0.000183	7.49E-05	5.99E-06	0.000404	0.000148	0.000215	3.3E-05	0.00024	0.000232413	0.000232413
300	1.91E-03	0.000198	7.99E-05	8.01E-06	0.000446	0.000157	0.000232	3.45E-05	0.000255	0.000248537	0.000248537
301	2.08E-03	0.000214	8.5E-05	1.11E-05	0.000502	0.000168	0.000254	3.61E-05	0.000271	0.000267474	0.000267474
302	2.28E-03	0.000228	9.05E-05	1.58E-05	0.000577	0.000179	0.000284	3.78E-05	0.00029	0.000289697	0.000289697
303	2.24E-03	0.000235	9.64E-05	5.65E-06	0.000504	0.000193	0.000252	3.98E-05	0.000312	0.000300632	0.000300632
304	2.42E-03	0.000249	0.000102	8.04E-06	0.000561	0.000207	0.000273	4.17E-05	0.000335	0.000324153	0.000324153
305	2.62E-03	0.000263	0.000107	1.17E-05	0.000628	0.000219	0.000298	4.34E-05	0.000355	0.00034726	0.00034726
306	2.86E-03	0.000282	0.000113	1.7E-05	0.000714	0.000233	0.000331	4.51E-05	0.000376	0.000373218	0.000373218
307	3.02E-03	0.000298	0.000119	1.74E-05	0.000752	0.000248	0.000344	4.7E-05	0.000399	0.000396382	0.000396382
308	3.10E-03	0.000307	0.000125	1.28E-05	0.000744	0.000264	0.000337	4.91E-05	0.000426	0.000417513	0.000417513

Franklin School Project

Mitigated Residential - Residential Construction Health Impact Assessment

547	Receptor
0.05	Max

Receptor #	Max	Mod BC	Mod AC	Port	Demo	Grad	BC	AC	Paving	Demo-Port. 2	Demo-Port. 1,3,4
309	3.23E-03	0.000319	0.000132	9.71E-06	0.000754	0.000283	0.000337	5.15E-05	0.000454	0.000442683	0.000442683
310	3.65E-03	0.000338	0.000138	2.51E-05	0.000947	0.000298	0.000411	5.32E-05	0.000477	0.000480282	0.000480282
311	3.70E-03	0.000347	0.000143	1.9E-05	0.000923	0.000314	0.000397	5.53E-05	0.000503	0.000499708	0.000499708
312	3.80E-03	0.000354	0.000147	1.47E-05	0.000922	0.000333	0.000392	5.75E-05	0.000531	0.000524224	0.000524224
313	3.95E-03	0.000358	0.000149	1.16E-05	0.000944	0.000357	0.000396	6.04E-05	0.000564	0.000557282	0.000557282
314	4.07E-03	0.00036	0.000151	9.43E-06	0.000963	0.000375	0.000399	6.25E-05	0.00059	0.000582581	0.000582581
315	4.23E-03	0.000359	0.000151	7.77E-06	0.000995	0.000396	0.000408	6.53E-05	0.000618	0.00061324	0.00061324
316	4.39E-03	0.000355	0.000149	6.5E-06	0.001031	0.000417	0.000423	6.88E-05	0.000645	0.000644788	0.000644788
317	4.51E-03	0.000348	0.000147	5.49E-06	0.00106	0.000434	0.000439	7.22E-05	0.000666	0.000669623	0.000669623
318	4.58E-03	0.00034	0.000144	4.7E-06	0.001075	0.000444	0.000449	7.46E-05	0.000677	0.00068411	0.00068411
319	4.60E-03	0.00033	0.00014	4.05E-06	0.00108	0.000449	0.000459	7.69E-05	0.000681	0.000691482	0.000691482
320	4.60E-03	0.000319	0.000135	3.52E-06	0.001078	0.000451	0.000469	7.9E-05	0.000679	0.000693312	0.000693312
321	4.59E-03	0.000309	0.000131	3.1E-06	0.001073	0.000451	0.00048	8.12E-05	0.000676	0.000692436	0.000692436
322	4.55E-03	0.000298	0.000126	2.75E-06	0.001061	0.000447	0.00049	8.31E-05	0.000667	0.00068656	0.00068656
323	4.49E-03	0.000286	0.000121	2.45E-06	0.001044	0.000441	0.000498	8.47E-05	0.000655	0.000676775	0.000676775
324	4.41E-03	0.000275	0.000117	2.19E-06	0.001023	0.000433	0.000505	8.61E-05	0.000641	0.000664381	0.000664381
325	1.91E-03	0.000204	8.37E-05	6.62E-06	0.000436	0.000159	0.00023	3.51E-05	0.000259	0.000249759	0.000249759
326	2.08E-03	0.000221	8.99E-05	9.19E-06	0.000487	0.00017	0.00025	3.68E-05	0.000277	0.000268842	0.000268842
327	2.29E-03	0.000242	9.66E-05	1.34E-05	0.000559	0.000182	0.000279	3.87E-05	0.000297	0.000291845	0.000291845
328	2.56E-03	0.000255	0.000104	2.08E-05	0.000667	0.000195	0.000321	4.06E-05	0.000319	0.00031993	0.00031993
329	2.48E-03	0.000267	0.000111	6.61E-06	0.000557	0.000211	0.000274	4.29E-05	0.000345	0.000330167	0.000330167
330	2.71E-03	0.000285	0.000118	1E-05	0.000631	0.000228	0.000301	4.51E-05	0.000373	0.000359119	0.000359119
331	2.98E-03	0.000304	0.000125	1.6E-05	0.000728	0.000244	0.000338	4.7E-05	0.000397	0.000388655	0.000388655
332	2.90E-03	0.000316	0.000132	1.83E-06	0.000622	0.000261	0.00029	4.91E-05	0.000424	0.000400888	0.000400888
333	3.09E-03	0.00034	0.00014	1.56E-06	0.000663	0.00028	0.000302	5.14E-05	0.000454	0.000429513	0.000429513
334	3.56E-03	0.000361	0.000148	1.59E-05	0.00086	0.000301	0.000377	5.38E-05	0.000487	0.000476099	0.000476099
335	3.70E-03	0.000375	0.000156	1.11E-05	0.000864	0.000324	0.000372	5.65E-05	0.000523	0.000506982	0.000506982
336	3.83E-03	0.000389	0.000163	8.25E-06	0.000878	0.000343	0.000372	5.87E-05	0.000553	0.000532905	0.000532905
337	4.29E-03	0.000408	0.000168	2.26E-05	0.001076	0.000364	0.000446	6.11E-05	0.000586	0.000580204	0.000580204
338	4.39E-03	0.000414	0.000172	1.63E-05	0.001065	0.000388	0.000435	6.37E-05	0.000621	0.000609938	0.000609938
339	4.59E-03	0.000416	0.000174	1.24E-05	0.001094	0.000418	0.000438	6.72E-05	0.000661	0.000652064	0.000652064
340	4.74E-03	0.000415	0.000174	9.81E-06	0.001122	0.000442	0.000443	6.98E-05	0.000694	0.000685646	0.000685646
341	4.91E-03	0.00041	0.000173	7.96E-06	0.00116	0.000466	0.000453	7.3E-05	0.000727	0.000721523	0.000721523
342	5.09E-03	0.000402	0.000169	6.56E-06	0.001202	0.000491	0.000471	7.71E-05	0.000757	0.000757674	0.000757674
343	5.21E-03	0.000391	0.000165	5.5E-06	0.001232	0.000508	0.000489	8.09E-05	0.000777	0.000783327	0.000783327
344	5.26E-03	0.000379	0.00016	4.67E-06	0.001243	0.000517	0.000501	8.37E-05	0.000784	0.00079545	0.00079545
345	5.26E-03	0.000365	0.000154	4E-06	0.001241	0.000519	0.000513	8.63E-05	0.000783	0.000798389	0.000798389
346	5.23E-03	0.000351	0.000149	3.47E-06	0.001232	0.000517	0.000525	8.88E-05	0.000776	0.000795267	0.000795267
347	5.18E-03	0.000337	0.000143	3.04E-06	0.001217	0.000513	0.000537	9.12E-05	0.000765	0.000787773	0.000787773
348	5.10E-03	0.000323	0.000137	2.69E-06	0.001194	0.000505	0.000548	9.32E-05	0.00075	0.000774987	0.000774987
349	5.00E-03	0.000308	0.000131	2.39E-06	0.001167	0.000494	0.000556	9.49E-05	0.000731	0.000758305	0.000758305
350	4.88E-03	0.000294	0.000125	2.14E-06	0.001135	0.000482	0.000562	9.62E-05	0.00071	0.000739063	0.000739063
351	2.06E-03	0.000227	9.38E-05	7E-06	0.000466	0.00017	0.000245	3.74E-05	0.00028	0.000267735	0.000267735
352	2.26E-03	0.000249	0.000102	9.97E-06	0.000527	0.000184	0.000269	3.95E-05	0.000302	0.000290912	0.000290912

Franklin School Project

Mitigated Residential - Residential Construction Health Impact Assessment

547	Receptor
0.05	Max

Receptor #	Max	Mod BC	Mod AC	Port	Demo	Grad	BC	AC	Paving	Demo-Port. 2	Demo-Port. 1,3,4
353	2.52E-03	0.000274	0.000111	1.52E-05	0.000615	0.000198	0.000303	4.16E-05	0.000327	0.000318555	0.000318555
354	2.52E-03	0.00029	0.00012	5.46E-06	0.000552	0.000214	0.000275	4.39E-05	0.000354	0.0003336	0.0003336
355	2.74E-03	0.000308	0.000129	7.27E-06	0.000613	0.000233	0.000297	4.63E-05	0.000384	0.000363436	0.000363436
356	3.03E-03	0.000332	0.000138	1.15E-05	0.000703	0.000253	0.000329	4.89E-05	0.000417	0.000398512	0.000398512
357	3.05E-03	0.000351	0.000148	1.02E-06	0.000642	0.000273	0.0003	5.13E-05	0.000449	0.00041906	0.00041906
358	3.32E-03	0.000379	0.000157	2.62E-06	0.000711	0.000296	0.000321	5.39E-05	0.000486	0.000455168	0.000455168
359	3.55E-03	0.000404	0.000167	2.01E-06	0.000761	0.00032	0.000334	5.66E-05	0.000524	0.000491754	0.000491754
360	4.10E-03	0.00043	0.000178	1.82E-05	0.000989	0.000346	0.000418	5.94E-05	0.000565	0.000548121	0.000548121
361	4.26E-03	0.000449	0.000187	1.18E-05	0.000988	0.000375	0.000408	6.24E-05	0.000609	0.000585121	0.000585121
362	4.45E-03	0.000465	0.000195	8.5E-06	0.001015	0.000401	0.00041	6.51E-05	0.000649	0.000622016	0.000622016
363	5.01E-03	0.000485	0.000201	2.5E-05	0.001251	0.00043	0.000496	6.8E-05	0.000693	0.000682237	0.000682237
364	5.15E-03	0.000488	0.000204	1.71E-05	0.001242	0.000461	0.000481	7.12E-05	0.000738	0.000722189	0.000722189
365	5.37E-03	0.000486	0.000204	1.26E-05	0.001278	0.000496	0.000484	7.49E-05	0.000786	0.000772009	0.000772009
366	5.58E-03	0.00048	0.000202	9.84E-06	0.001323	0.000528	0.000493	7.84E-05	0.000829	0.000818339	0.000818339
367	5.78E-03	0.000469	0.000198	7.89E-06	0.001372	0.000558	0.000506	8.22E-05	0.000866	0.000862284	0.000862284
368	5.98E-03	0.000455	0.000192	6.46E-06	0.00142	0.000585	0.000529	8.72E-05	0.000897	0.000902029	0.000902029
369	6.08E-03	0.000439	0.000186	5.39E-06	0.001445	0.000601	0.000548	9.13E-05	0.000913	0.000925345	0.000925345
370	6.09E-03	0.000421	0.000178	4.55E-06	0.001448	0.000606	0.000563	9.45E-05	0.000914	0.000932149	0.000932149
371	6.05E-03	0.000402	0.00017	3.9E-06	0.001435	0.000603	0.000577	9.75E-05	0.000904	0.000927117	0.000927117
372	5.97E-03	0.000384	0.000163	3.38E-06	0.001413	0.000596	0.000592	0.0001	0.000888	0.000915437	0.000915437
373	5.86E-03	0.000366	0.000155	2.95E-06	0.001382	0.000585	0.000604	0.000103	0.000867	0.000897563	0.000897563
374	5.72E-03	0.000348	0.000148	2.6E-06	0.001345	0.00057	0.000615	0.000105	0.000842	0.000874914	0.000874914
375	5.57E-03	0.000331	0.00014	2.31E-06	0.001303	0.000553	0.000623	0.000107	0.000814	0.000848997	0.000848997
376	5.40E-03	0.000314	0.000133	2.07E-06	0.001258	0.000535	0.000629	0.000108	0.000784	0.000820829	0.000820829
377	2.22E-03	0.000254	0.000105	7.01E-06	0.000494	0.000182	0.000259	3.99E-05	0.000302	0.00028607	0.00028607
378	2.45E-03	0.000281	0.000116	1E-05	0.000562	0.000198	0.000285	4.23E-05	0.000329	0.000313167	0.000313167
379	2.74E-03	0.000312	0.000127	1.53E-05	0.000657	0.000216	0.000322	4.48E-05	0.000359	0.000345127	0.000345127
380	2.77E-03	0.000333	0.000139	4.92E-06	0.000594	0.000235	0.000293	4.74E-05	0.000392	0.000364415	0.000364415
381	3.05E-03	0.000365	0.000152	7.33E-06	0.00067	0.000257	0.00032	5.03E-05	0.000429	0.000401025	0.000401025
382	6.91E-03	0.000537	0.000227	7.56E-06	0.001651	0.00068	0.000569	9.34E-05	0.001048	0.001048658	0.001048658
383	7.09E-03	0.000515	0.000218	6.19E-06	0.001697	0.000706	0.000595	9.89E-05	0.001075	0.001086962	0.001086962
384	7.15E-03	0.000491	0.000208	5.16E-06	0.001713	0.000718	0.000618	0.000104	0.001082	0.001103872	0.001103872
385	7.10E-03	0.000467	0.000198	4.36E-06	0.001699	0.000716	0.000637	0.000107	0.001071	0.001099246	0.001099246
386	6.98E-03	0.000443	0.000188	3.74E-06	0.001666	0.000704	0.000654	0.000111	0.001048	0.001081249	0.001081249
387	6.82E-03	0.000419	0.000178	3.24E-06	0.001622	0.000687	0.00067	0.000114	0.001017	0.001054641	0.001054641
388	6.63E-03	0.000396	0.000168	2.83E-06	0.001569	0.000666	0.000683	0.000117	0.000982	0.00102226	0.00102226
389	6.42E-03	0.000374	0.000159	2.5E-06	0.001512	0.000643	0.000694	0.000119	0.000944	0.000986431	0.000986431
390	6.20E-03	0.000353	0.00015	2.22E-06	0.001452	0.000618	0.000701	0.00012	0.000904	0.00094844	0.00094844
391	5.97E-03	0.000333	0.000141	1.99E-06	0.001391	0.000593	0.000705	0.000121	0.000864	0.000908991	0.000908991
392	2.39E-03	0.000285	0.000119	6.7E-06	0.000522	0.000196	0.000274	4.27E-05	0.000328	0.000306448	0.000306448
393	2.64E-03	0.000319	0.000133	9.39E-06	0.00059	0.000213	0.0003	4.53E-05	0.000358	0.000336023	0.000336023
394	2.96E-03	0.000358	0.000148	1.39E-05	0.000684	0.000234	0.000335	4.81E-05	0.000393	0.000371473	0.000371473
395	3.05E-03	0.000394	0.000164	4.72E-06	0.000642	0.000257	0.000314	5.12E-05	0.000433	0.000397281	0.000397281
396	3.39E-03	0.000433	0.000182	6.78E-06	0.000726	0.000284	0.000342	5.46E-05	0.00048	0.000441302	0.000441302

Franklin School Project

Mitigated Residential - Residential Construction Health Impact Assessment

547	Receptor
0.05	Max

Receptor #	Max	Mod BC	Mod AC	Port	Demo	Grad	BC	AC	Paving	Demo-Port. 2	Demo-Port. 1,3,4
397	8.38E-03	0.000614	0.00026	7.03E-06	0.002021	0.000843	0.000644	0.000107	0.001286	0.001297133	0.001297133
398	8.50E-03	0.000581	0.000246	5.79E-06	0.002058	0.000865	0.000675	0.000113	0.001303	0.001328558	0.001328558
399	8.47E-03	0.000548	0.000232	4.85E-06	0.00205	0.000865	0.000704	0.000119	0.001292	0.001328852	0.001328852
400	8.30E-03	0.000515	0.000219	4.11E-06	0.002004	0.000849	0.000726	0.000123	0.001259	0.001302658	0.001302658
401	8.06E-03	0.000484	0.000205	3.53E-06	0.001937	0.000822	0.000746	0.000127	0.001213	0.00126189	0.00126189
402	7.79E-03	0.000454	0.000193	3.07E-06	0.001861	0.000792	0.000763	0.00013	0.001163	0.001214305	0.001214305
403	7.49E-03	0.000426	0.000181	2.69E-06	0.001779	0.000758	0.000777	0.000133	0.001108	0.001161758	0.001161758
404	7.18E-03	0.000399	0.000169	2.37E-06	0.001695	0.000723	0.000786	0.000135	0.001053	0.00110812	0.00110812
405	6.87E-03	0.000374	0.000159	2.11E-06	0.001612	0.000688	0.000791	0.000136	0.001	0.001055151	0.001055151
406	6.56E-03	0.000351	0.000149	1.89E-06	0.00153	0.000654	0.000791	0.000136	0.000947	0.001002075	0.001002075
407	2.55E-03	0.000321	0.000135	6.08E-06	0.000545	0.000209	0.000287	4.54E-05	0.000352	0.000325191	0.000325191
408	2.82E-03	0.000361	0.000151	8.14E-06	0.00061	0.000228	0.000312	4.83E-05	0.000386	0.000356538	0.000356538
409	3.15E-03	0.00041	0.000171	1.14E-05	0.000698	0.000251	0.000344	5.15E-05	0.000427	0.000395289	0.000395289
410	3.56E-03	0.000467	0.000194	1.65E-05	0.000812	0.000278	0.000386	5.5E-05	0.000473	0.000441155	0.000441155
411	3.74E-03	0.000524	0.00022	5.65E-06	0.000774	0.000309	0.000362	5.89E-05	0.00053	0.000479053	0.000479053
412	1.03E-02	0.000699	0.000297	6.36E-06	0.00253	0.001066	0.000732	0.000123	0.001605	0.00163769	0.00163769
413	1.03E-02	0.000653	0.000277	5.31E-06	0.002531	0.001071	0.000771	0.00013	0.001594	0.001644532	0.001644532
414	1.01E-02	0.000609	0.000258	4.48E-06	0.002474	0.00105	0.000807	0.000137	0.001551	0.001611557	0.001611557
415	9.75E-03	0.000566	0.00024	3.83E-06	0.002373	0.00101	0.000834	0.000142	0.001483	0.00154844	0.00154844
416	9.32E-03	0.000526	0.000224	3.3E-06	0.002254	0.000961	0.000857	0.000147	0.001405	0.001473194	0.001473194
417	8.89E-03	0.00049	0.000208	2.88E-06	0.002135	0.000911	0.000876	0.00015	0.001327	0.00139654	0.00139654
418	8.45E-03	0.000456	0.000194	2.53E-06	0.002013	0.00086	0.000889	0.000153	0.001248	0.001317646	0.001317646
419	8.00E-03	0.000423	0.00018	2.24E-06	0.001891	0.000808	0.000894	0.000154	0.00117	0.001238912	0.001238912
420	7.59E-03	0.000395	0.000168	2E-06	0.001782	0.000762	0.000896	0.000154	0.0011	0.001167871	0.001167871
421	7.20E-03	0.000368	0.000156	1.8E-06	0.001677	0.000717	0.00089	0.000153	0.001032	0.001099547	0.001099547
422	2.73E-03	0.00036	0.000152	5.36E-06	0.000569	0.000222	0.000301	4.84E-05	0.000379	0.000345158	0.000345158
423	3.03E-03	0.000413	0.000174	6.89E-06	0.000636	0.000244	0.000327	5.18E-05	0.000419	0.000380942	0.000380942
424	3.41E-03	0.000476	0.0002	9.09E-06	0.000721	0.000271	0.000357	5.55E-05	0.000467	0.000423941	0.000423941
425	3.85E-03	0.000552	0.000232	1.21E-05	0.000823	0.000302	0.000393	5.95E-05	0.000523	0.000474322	0.000474322
426	4.39E-03	0.000646	0.000271	1.61E-05	0.000953	0.00034	0.000436	6.41E-05	0.000593	0.00053688	0.00053688
427	1.31E-02	0.00079	0.000336	5.64E-06	0.003257	0.001384	0.000854	0.000144	0.002044	0.00212342	0.00212342
428	1.27E-02	0.000729	0.00031	4.78E-06	0.003157	0.001345	0.000894	0.000152	0.00197	0.002062237	0.002062237
429	1.21E-02	0.000671	0.000285	4.09E-06	0.002998	0.001279	0.000937	0.00016	0.001864	0.001960588	0.001960588
430	1.14E-02	0.000617	0.000262	3.52E-06	0.002807	0.001199	0.000968	0.000166	0.001742	0.001837746	0.001837746
431	1.08E-02	0.000569	0.000242	3.07E-06	0.002618	0.001119	0.000994	0.00017	0.001621	0.001714933	0.001714933
432	1.01E-02	0.000525	0.000223	2.69E-06	0.002436	0.001042	0.001013	0.000174	0.001506	0.001597129	0.001597129
433	9.50E-03	0.000485	0.000206	2.38E-06	0.002267	0.00097	0.001023	0.000176	0.001398	0.001486962	0.001486962
434	8.89E-03	0.000447	0.00019	2.11E-06	0.002103	0.000901	0.001023	0.000176	0.001294	0.001379984	0.001379984
435	8.36E-03	0.000413	0.000176	1.88E-06	0.001959	0.000839	0.001017	0.000175	0.001203	0.001285941	0.001285941
436	7.86E-03	0.000384	0.000163	1.7E-06	0.001828	0.000783	0.001004	0.000173	0.00112	0.001200232	0.001200232
437	2.91E-03	0.000404	0.000171	4.62E-06	0.000593	0.000236	0.000316	5.16E-05	0.000406	0.000365375	0.000365375
438	3.26E-03	0.000471	0.000199	5.73E-06	0.000664	0.000261	0.000343	5.55E-05	0.000453	0.000405802	0.000405802
439	3.70E-03	0.000556	0.000235	7.67E-06	0.000755	0.000292	0.000376	5.98E-05	0.000511	0.000454729	0.000454729
440	4.19E-03	0.000657	0.000278	8.98E-06	0.00085	0.000328	0.000408	6.44E-05	0.000577	0.000510269	0.000510269

Franklin School Project

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547	Receptor
0.05	Max

Receptor #	Max	Mod BC	Mod AC	Port	Demo	Grad	BC	AC	Paving	Demo-Port. 2	Demo-Port. 1,3,4
441	4.86E-03	0.000804	0.00034	1.12E-05	0.00098	0.000374	0.000449	6.99E-05	0.000665	0.000583431	0.000583431
442	1.68E-02	0.000884	0.000376	4.95E-06	0.004273	0.001827	0.001008	0.000172	0.002634	0.002799603	0.002799603
443	1.57E-02	0.000806	0.000343	4.27E-06	0.003963	0.001696	0.001051	0.00018	0.002441	0.002598914	0.002598914
444	1.45E-02	0.000732	0.000311	3.7E-06	0.003624	0.001552	0.001099	0.000188	0.002233	0.002377702	0.002377702
445	1.34E-02	0.000668	0.000284	3.22E-06	0.003304	0.001415	0.001135	0.000195	0.002034	0.00216822	0.00216822
446	1.24E-02	0.00061	0.000259	2.83E-06	0.003016	0.001292	0.001162	0.0002	0.001855	0.001980371	0.001980371
447	1.14E-02	0.000558	0.000237	2.49E-06	0.002761	0.001183	0.001178	0.000203	0.001696	0.00181323	0.00181323
448	1.06E-02	0.000512	0.000218	2.22E-06	0.002538	0.001088	0.001184	0.000204	0.001556	0.001667192	0.001667192
449	9.87E-03	0.000469	0.0002	1.98E-06	0.002331	0.001	0.001176	0.000203	0.001426	0.001531576	0.001531576
450	9.17E-03	0.000431	0.000183	1.77E-06	0.002144	0.00092	0.001158	0.0002	0.001309	0.001409225	0.001409225
451	8.54E-03	0.000397	0.000169	1.6E-06	0.001981	0.00085	0.001133	0.000196	0.001207	0.001302064	0.001302064
452	3.10E-03	0.00045	0.000191	3.94E-06	0.000617	0.000249	0.000333	5.5E-05	0.000434	0.000385397	0.000385397
453	3.51E-03	0.000534	0.000226	4.9E-06	0.000694	0.000279	0.000363	5.95E-05	0.000489	0.000431022	0.000431022
454	4.04E-03	0.000649	0.000275	6.56E-06	0.000794	0.000314	0.000399	6.46E-05	0.000558	0.000487435	0.000487435
455	4.63E-03	0.000793	0.000336	6.94E-06	0.000894	0.000356	0.000432	7E-05	0.000639	0.000551328	0.000551328
456	5.46E-03	0.001013	0.00043	8.27E-06	0.001034	0.00041	0.000475	7.65E-05	0.000747	0.000635888	0.000635888
457	2.16E-02	0.000977	0.000416	4.33E-06	0.005606	0.002406	0.001196	0.000205	0.00339	0.003686178	0.003686178
458	1.92E-02	0.000879	0.000374	3.8E-06	0.004927	0.002115	0.001254	0.000215	0.002996	0.003239667	0.003239667
459	1.72E-02	0.000792	0.000337	3.33E-06	0.00433	0.001859	0.001305	0.000224	0.002642	0.002846972	0.002846972
460	1.55E-02	0.000715	0.000304	2.93E-06	0.003841	0.001649	0.001344	0.000231	0.002347	0.002525913	0.002525913
461	1.41E-02	0.000647	0.000275	2.6E-06	0.003438	0.001476	0.001369	0.000236	0.0021	0.002260815	0.002260815
462	1.29E-02	0.000588	0.00025	2.31E-06	0.003103	0.001332	0.00138	0.000238	0.001893	0.002040788	0.002040788
463	1.18E-02	0.000536	0.000228	2.07E-06	0.002818	0.00121	0.001377	0.000238	0.001716	0.001853363	0.001853363
464	1.09E-02	0.000489	0.000208	1.86E-06	0.002566	0.001102	0.001358	0.000235	0.00156	0.001687839	0.001687839
465	1.00E-02	0.000446	0.00019	1.67E-06	0.002335	0.001003	0.001322	0.000229	0.001417	0.001536334	0.001536334
466	9.24E-03	0.000409	0.000174	1.51E-06	0.002136	0.000917	0.00128	0.000221	0.001294	0.001405087	0.001405087
467	3.29E-03	0.000495	0.00021	3.36E-06	0.00064	0.000262	0.000351	5.85E-05	0.00046	0.000404368	0.000404368
468	3.75E-03	0.000597	0.000253	4.18E-06	0.000724	0.000295	0.000384	6.37E-05	0.000524	0.000455125	0.000455125
469	4.34E-03	0.000735	0.000312	5.46E-06	0.000828	0.000334	0.000422	6.94E-05	0.000602	0.000516208	0.000516208
470	5.09E-03	0.00094	0.000399	5.46E-06	0.000942	0.000383	0.000461	7.6E-05	0.000702	0.000591583	0.000591583
471	6.19E-03	0.001273	0.000541	6.37E-06	0.001102	0.000448	0.000509	8.39E-05	0.000839	0.00069208	0.00069208
472	2.71E-02	0.001065	0.000453	3.8E-06	0.007154	0.003078	0.001437	0.000247	0.004263	0.004713973	0.004713973
473	2.31E-02	0.000948	0.000403	3.37E-06	0.005953	0.002561	0.001509	0.00026	0.003584	0.003921327	0.003921327
474	2.00E-02	0.000845	0.00036	2.99E-06	0.005058	0.002175	0.001566	0.00027	0.003061	0.003330772	0.003330772
475	1.77E-02	0.000757	0.000322	2.67E-06	0.004392	0.001889	0.001608	0.000277	0.002664	0.00289231	0.00289231
476	1.59E-02	0.000681	0.00029	2.38E-06	0.003872	0.001665	0.001628	0.000281	0.002348	0.002549293	0.002549293
477	1.44E-02	0.000615	0.000262	2.14E-06	0.003453	0.001484	0.001628	0.000281	0.002091	0.00227331	0.00227331
478	1.31E-02	0.000556	0.000237	1.92E-06	0.0031	0.001333	0.001607	0.000278	0.001874	0.002041052	0.002041052
479	1.19E-02	0.000506	0.000215	1.74E-06	0.002799	0.001203	0.001569	0.000271	0.001689	0.001842591	0.001842591
480	1.09E-02	0.00046	0.000196	1.57E-06	0.002533	0.001089	0.001515	0.000262	0.001527	0.001667812	0.001667812
481	9.97E-03	0.000419	0.000178	1.43E-06	0.002292	0.000985	0.001446	0.00025	0.00138	0.00150916	0.00150916
482	3.47E-03	0.000536	0.000228	2.87E-06	0.000663	0.000274	0.00037	6.22E-05	0.000485	0.000422321	0.000422321
483	4.00E-03	0.000659	0.00028	3.53E-06	0.000754	0.00031	0.000407	6.81E-05	0.000558	0.000478566	0.000478566
484	4.67E-03	0.000828	0.000352	4.47E-06	0.000865	0.000354	0.000449	7.48E-05	0.000648	0.000546426	0.000546426

Franklin School Project

Mitigated Residential - Residential Construction Health Impact Assessment

547	Receptor
0.05	Max

Receptor #	Max	Mod BC	Mod AC	Port	Demo	Grad	BC	AC	Paving	Demo-Port. 2	Demo-Port. 1,3,4
485	5.60E-03	0.001101	0.000468	4.43E-06	0.000996	0.000411	0.000495	8.28E-05	0.000771	0.000633698	0.000633698
486	6.97E-03	0.001554	0.000662	5.06E-06	0.001178	0.000487	0.000552	9.22E-05	0.00094	0.00075	0.00075
487	3.23E-02	0.001145	0.000488	3.34E-06	0.008555	0.003687	0.001755	0.000302	0.005079	0.005644299	0.005644299
488	2.67E-02	0.001009	0.00043	3.01E-06	0.006904	0.002974	0.001843	0.000318	0.004134	0.004553061	0.004553061
489	2.28E-02	0.000892	0.00038	2.7E-06	0.005754	0.002477	0.001906	0.000329	0.00346	0.003793266	0.003793266
490	1.99E-02	0.000793	0.000338	2.43E-06	0.00493	0.002122	0.001944	0.000336	0.002968	0.003249387	0.003249387
491	1.77E-02	0.000709	0.000302	2.19E-06	0.004301	0.001851	0.001951	0.000337	0.002588	0.00283469	0.00283469
492	1.59E-02	0.000636	0.000271	1.98E-06	0.003801	0.001636	0.00193	0.000334	0.002285	0.002504955	0.002504955
493	1.43E-02	0.000572	0.000244	1.79E-06	0.003375	0.001452	0.001879	0.000325	0.002025	0.002223835	0.002223835
494	1.30E-02	0.000518	0.00022	1.62E-06	0.003024	0.001301	0.001811	0.000314	0.001812	0.001992655	0.001992655
495	1.18E-02	0.00047	0.0002	1.48E-06	0.002721	0.001171	0.001729	0.000299	0.001629	0.001792602	0.001792602
496	1.07E-02	0.000427	0.000182	1.35E-06	0.002444	0.001052	0.001631	0.000282	0.001462	0.001610337	0.001610337
497	3.65E-03	0.000578	0.000246	2.5E-06	0.000687	0.000286	0.000391	6.61E-05	0.000511	0.000440137	0.000440137
498	4.24E-03	0.000721	0.000307	2.96E-06	0.000784	0.000326	0.000432	7.29E-05	0.000593	0.000501625	0.000501625
499	5.03E-03	0.000932	0.000397	3.63E-06	0.000906	0.000376	0.000481	8.1E-05	0.0007	0.000578826	0.000578826
500	6.15E-03	0.001269	0.00054	4.5E-06	0.001065	0.000441	0.000539	9.04E-05	0.000845	0.000678613	0.000678613
501	7.74E-03	0.001813	0.000773	4.11E-06	0.001257	0.000526	0.000602	0.000102	0.001047	0.000808245	0.000808245
502	3.65E-02	0.001215	0.000518	2.96E-06	0.00963	0.004153	0.002187	0.000378	0.005712	0.006357807	0.006357807
503	3.00E-02	0.00106	0.000452	2.69E-06	0.007696	0.003318	0.002288	0.000396	0.004591	0.005079511	0.005079511
504	2.55E-02	0.000931	0.000397	2.44E-06	0.006395	0.002756	0.002353	0.000407	0.003822	0.004219209	0.004219209
505	2.22E-02	0.000823	0.00035	2.21E-06	0.005449	0.002348	0.002376	0.000411	0.003256	0.003594508	0.003594508
506	1.96E-02	0.000731	0.000311	2.01E-06	0.004723	0.002035	0.002355	0.000408	0.002819	0.003115021	0.003115021
507	1.75E-02	0.000652	0.000278	1.83E-06	0.004141	0.001784	0.002296	0.000398	0.002468	0.002730707	0.002730707
508	1.56E-02	0.000584	0.000249	1.66E-06	0.003654	0.001574	0.002203	0.000382	0.002175	0.002409558	0.002409558
509	1.40E-02	0.000525	0.000224	1.52E-06	0.003244	0.001397	0.002089	0.000362	0.001929	0.002138591	0.002138591
510	1.27E-02	0.000475	0.000202	1.39E-06	0.002893	0.001245	0.001963	0.00034	0.001719	0.00190679	0.00190679
511	1.14E-02	0.00043	0.000183	1.28E-06	0.002579	0.00111	0.001826	0.000316	0.001532	0.001700176	0.001700176
512	3.80E-03	0.000612	0.00026	2.18E-06	0.000707	0.000296	0.000412	6.99E-05	0.000532	0.000455178	0.000455178
513	4.44E-03	0.000768	0.000327	2.47E-06	0.000808	0.000339	0.000458	7.77E-05	0.000621	0.000520665	0.000520665
514	5.29E-03	0.000995	0.000424	2.91E-06	0.000935	0.000392	0.000512	8.68E-05	0.000737	0.000602314	0.000602314
515	6.54E-03	0.00138	0.000588	3.43E-06	0.001106	0.000463	0.000578	9.8E-05	0.000903	0.00071214	0.00071214
516	8.39E-03	0.002008	0.000856	3.91E-06	0.001332	0.000559	0.000658	0.000112	0.001142	0.00085878	0.00085878
517	4.01E-02	0.001274	0.000543	2.64E-06	0.010466	0.004516	0.00279	0.000483	0.006203	0.006913014	0.006913014
518	3.33E-02	0.001105	0.000471	2.42E-06	0.008476	0.003657	0.002905	0.000503	0.00503	0.005597416	0.005597416
519	2.84E-02	0.000963	0.00041	2.22E-06	0.007042	0.003037	0.002954	0.000512	0.004176	0.004649325	0.004649325
520	2.46E-02	0.000845	0.00036	2.02E-06	0.005972	0.002575	0.002936	0.000509	0.003537	0.003941947	0.003941947
521	2.16E-02	0.000746	0.000318	1.85E-06	0.00515	0.00222	0.002862	0.000496	0.003045	0.003398862	0.003398862
522	1.92E-02	0.000662	0.000282	1.7E-06	0.004489	0.001935	0.002741	0.000475	0.002651	0.002961743	0.002961743
523	1.70E-02	0.000591	0.000252	1.55E-06	0.003929	0.001693	0.002581	0.000447	0.002318	0.002592202	0.002592202
524	1.51E-02	0.000529	0.000225	1.43E-06	0.003457	0.001489	0.002403	0.000416	0.002039	0.00228023	0.00228023
525	1.35E-02	0.000476	0.000203	1.31E-06	0.00305	0.001314	0.002216	0.000384	0.001799	0.002011799	0.002011799
526	1.20E-02	0.000428	0.000182	1.2E-06	0.002689	0.001158	0.002022	0.000351	0.001586	0.001773152	0.001773152
527	3.94E-03	0.00064	0.000273	1.92E-06	0.000724	0.000305	0.000433	7.39E-05	0.000549	0.000468118	0.000468118
528	4.63E-03	0.00081	0.000345	2.13E-06	0.000831	0.00035	0.000485	8.27E-05	0.000646	0.00053781	0.00053781

Franklin School Project

Mitigated Residential - Residential Construction Health Impact Assessment

547	Receptor
0.05	Max

Receptor #	Max	Mod BC	Mod AC	Port	Demo	Grad	BC	AC	Paving	Demo-Port. 2	Demo-Port. 1,3,4
529	5.57E-03	0.001068	0.000455	2.4E-06	0.000969	0.000408	0.000547	9.33E-05	0.000777	0.000627341	0.000627341
530	6.93E-03	0.001481	0.000631	2.72E-06	0.001149	0.000485	0.000624	0.000106	0.00096	0.00074496	0.00074496
531	8.94E-03	0.002149	0.000916	3E-06	0.001396	0.00059	0.000719	0.000123	0.001233	0.000906356	0.000906356
532	4.41E-02	0.00132	0.000563	2.36E-06	0.011337	0.004895	0.003646	0.000632	0.006684	0.007491377	0.007491377
533	3.71E-02	0.001136	0.000484	2.18E-06	0.009289	0.00401	0.003754	0.000651	0.005461	0.006137052	0.006137052
534	3.13E-02	0.000979	0.000417	2.01E-06	0.007656	0.003304	0.003733	0.000647	0.004493	0.005056953	0.005056953
535	2.69E-02	0.00085	0.000362	1.84E-06	0.006419	0.002769	0.003613	0.000626	0.003761	0.004238669	0.004238669
536	2.34E-02	0.000745	0.000317	1.7E-06	0.005489	0.002367	0.003435	0.000596	0.003212	0.00362375	0.00362375
537	2.06E-02	0.000659	0.000281	1.56E-06	0.004756	0.002051	0.003221	0.000558	0.002782	0.003139659	0.003139659
538	1.81E-02	0.000587	0.00025	1.44E-06	0.00414	0.001785	0.002974	0.000516	0.002421	0.002732174	0.002732174
539	1.60E-02	0.000526	0.000224	1.33E-06	0.003627	0.001563	0.002724	0.000472	0.002121	0.002393417	0.002393417
540	1.41E-02	0.00047	0.0002	1.23E-06	0.003162	0.001363	0.002458	0.000426	0.001851	0.002086082	0.002086082
541	1.24E-02	0.000421	0.000179	1.13E-06	0.002758	0.001188	0.002201	0.000382	0.001616	0.001819115	0.001819115
542	4.04E-03	0.000659	0.000281	1.7E-06	0.000737	0.000311	0.000454	7.76E-05	0.000562	0.00047781	0.00047781
543	4.78E-03	0.000841	0.000358	1.88E-06	0.00085	0.000359	0.000512	8.76E-05	0.000665	0.000551619	0.000551619
544	5.82E-03	0.001126	0.00048	2.08E-06	0.000998	0.000422	0.000585	0.0001	0.000809	0.000648488	0.000648488
545	7.25E-03	0.001555	0.000663	2.27E-06	0.001188	0.000504	0.000672	0.000115	0.001005	0.000772915	0.000772915
546	9.35E-03	0.002238	0.000955	2.45E-06	0.001444	0.000614	0.000782	0.000134	0.001295	0.000941592	0.000941592
547	4.98E-02	0.001349	0.000575	2.12E-06	0.012645	0.005462	0.004878	0.000846	0.007348	0.008358707	0.008358707
548	4.14E-02	0.00115	0.00049	1.97E-06	0.010213	0.00441	0.004913	0.000852	0.005919	0.006749835	0.006749835
549	3.49E-02	0.000985	0.00042	1.83E-06	0.008358	0.003608	0.004771	0.000828	0.004838	0.005522577	0.005522577
550	2.96E-02	0.000849	0.000362	1.69E-06	0.006946	0.002998	0.004487	0.000778	0.00402	0.004588557	0.004588557
551	2.48E-02	0.000728	0.00031	1.55E-06	0.005703	0.002461	0.004029	0.000699	0.003303	0.003766398	0.003766398
552	2.13E-02	0.000637	0.000271	1.42E-06	0.004836	0.002086	0.003634	0.00063	0.002803	0.003193495	0.003193495
553	1.87E-02	0.000567	0.000242	1.32E-06	0.0042	0.001811	0.003297	0.000572	0.002436	0.002772673	0.002772673
554	1.63E-02	0.000507	0.000216	1.23E-06	0.003645	0.001572	0.002955	0.000512	0.002117	0.002405961	0.002405961
555	1.43E-02	0.000454	0.000193	1.14E-06	0.003173	0.001368	0.002634	0.000457	0.001845	0.002094043	0.002094043
556	1.25E-02	0.000407	0.000173	1.05E-06	0.002751	0.001186	0.002324	0.000403	0.001603	0.001814931	0.001814931
557	4.11E-03	0.000671	0.000286	1.52E-06	0.000745	0.000316	0.000474	8.12E-05	0.000569	0.000484339	0.000484339
558	4.88E-03	0.00086	0.000367	1.67E-06	0.000862	0.000365	0.000538	9.23E-05	0.000676	0.000560849	0.000560849
559	5.95E-03	0.001149	0.00049	1.82E-06	0.001013	0.00043	0.000619	0.000106	0.000822	0.000660008	0.000660008
560	7.47E-03	0.001597	0.000681	1.98E-06	0.001215	0.000517	0.000721	0.000124	0.001033	0.000792551	0.000792551
561	9.62E-03	0.002285	0.000975	2.12E-06	0.001476	0.000629	0.000846	0.000145	0.001329	0.000964823	0.000964823
562	4.80E-02	0.001162	0.000495	1.8E-06	0.011579	0.005002	0.006674	0.001158	0.006587	0.007655316	0.007655316
563	4.00E-02	0.00099	0.000422	1.68E-06	0.009383	0.004052	0.006283	0.00109	0.005345	0.006201763	0.006201763
564	3.28E-02	0.000841	0.000358	1.55E-06	0.007547	0.003258	0.005589	0.00097	0.00431	0.004986983	0.004986983
565	2.54E-02	0.000689	0.000294	1.39E-06	0.005739	0.002477	0.00454	0.000788	0.003292	0.003791475	0.003791475
566	2.15E-02	0.0006	0.000256	1.29E-06	0.004796	0.002069	0.003961	0.000687	0.002757	0.003167628	0.003167628
567	1.84E-02	0.00053	0.000226	1.2E-06	0.004075	0.001758	0.003467	0.000601	0.002347	0.002690502	0.002690502
568	1.59E-02	0.000473	0.000202	1.12E-06	0.0035	0.001509	0.003039	0.000527	0.002021	0.002310686	0.002310686
569	1.38E-02	0.000425	0.000181	1.04E-06	0.003025	0.001304	0.002664	0.000462	0.001751	0.001996762	0.001996762
570	1.22E-02	0.000386	0.000164	9.79E-07	0.002663	0.001148	0.002367	0.000411	0.001545	0.001756987	0.001756987
571	4.16E-03	0.000678	0.000289	1.37E-06	0.00075	0.000318	0.000492	8.45E-05	0.000572	0.000488566	0.000488566
572	4.97E-03	0.000877	0.000374	1.49E-06	0.000871	0.00037	0.000564	9.69E-05	0.000683	0.000568147	0.000568147

Franklin School Project

Mitigated Residential - Residential Construction Health Impact Assessment

547	Receptor
0.05	Max

Receptor #	Max	Mod BC	Mod AC	Port	Demo	Grad	BC	AC	Paving	Demo-Port. 2	Demo-Port. 1,3,4
573	6.04E-03	0.00116	0.000495	1.62E-06	0.001022	0.000435	0.000651	0.000112	0.000828	0.000667381	0.000667381
574	7.60E-03	0.001611	0.000687	1.74E-06	0.001229	0.000524	0.000767	0.000132	0.001042	0.000803634	0.000803634
575	9.76E-03	0.002296	0.00098	1.85E-06	0.001491	0.000637	0.000908	0.000156	0.001334	0.000976515	0.000976515
576	4.69E-02	0.000986	0.00042	1.54E-06	0.010728	0.004635	0.008437	0.001465	0.006015	0.007093246	0.007093246
577	3.79E-02	0.000837	0.000357	1.44E-06	0.008538	0.003688	0.007183	0.001247	0.004809	0.005644249	0.005644249
578	2.97E-02	0.000703	0.0003	1.33E-06	0.006603	0.002851	0.005795	0.001006	0.003739	0.004363769	0.004363769
579	2.46E-02	0.000612	0.000261	1.24E-06	0.005414	0.002337	0.004877	0.000846	0.003078	0.003576735	0.003576735
580	2.03E-02	0.000536	0.000228	1.15E-06	0.004452	0.001921	0.004074	0.000707	0.002541	0.002940521	0.002940521
581	1.68E-02	0.000468	0.000199	1.07E-06	0.003652	0.001576	0.003372	0.000585	0.002094	0.002411802	0.002411802
582	1.41E-02	0.000413	0.000176	9.89E-07	0.003059	0.001319	0.002836	0.000492	0.001761	0.00201916	0.00201916
583	1.20E-02	0.000367	0.000156	9.17E-07	0.002588	0.001116	0.002404	0.000417	0.001495	0.001707993	0.001707993
584	4.17E-03	0.000674	0.000287	1.24E-06	0.000749	0.000319	0.000508	8.73E-05	0.000569	0.000488609	0.000488609
585	4.99E-03	0.000871	0.000371	1.34E-06	0.000871	0.000371	0.000585	0.000101	0.000679	0.000568664	0.000568664
586	6.09E-03	0.001161	0.000495	1.44E-06	0.001028	0.000438	0.000683	0.000118	0.000828	0.000671798	0.000671798
587	7.60E-03	0.001591	0.000679	1.54E-06	0.001227	0.000524	0.000806	0.000139	0.001028	0.000803306	0.000803306
588	9.78E-03	0.002275	0.000971	1.63E-06	0.001492	0.000638	0.000966	0.000167	0.001314	0.000978423	0.000978423
589	4.56E-02	0.000832	0.000355	1.35E-06	0.010076	0.004354	0.009464	0.001643	0.005599	0.006662509	0.006662509
590	3.65E-02	0.00072	0.000307	1.27E-06	0.007983	0.003448	0.007671	0.001332	0.00446	0.00527762	0.00527762
591	2.91E-02	0.000627	0.000267	1.19E-06	0.00633	0.002733	0.006156	0.001069	0.003558	0.004183416	0.004183416
592	2.29E-02	0.000542	0.000231	1.11E-06	0.004953	0.002138	0.004838	0.00084	0.002802	0.003272629	0.003272629
593	1.86E-02	0.000476	0.000203	1.04E-06	0.004015	0.001733	0.003918	0.00068	0.002285	0.002652266	0.002652266
594	1.51E-02	0.000417	0.000178	9.65E-07	0.00326	0.001406	0.003168	0.00055	0.001865	0.002152426	0.002152426
595	1.24E-02	0.000364	0.000155	8.9E-07	0.002658	0.001146	0.002568	0.000445	0.001529	0.001754649	0.001754649
596	4.14E-03	0.000661	0.000282	1.13E-06	0.000743	0.000316	0.00052	8.95E-05	0.00056	0.000485126	0.000485126
597	4.96E-03	0.000853	0.000364	1.21E-06	0.000865	0.000369	0.000602	0.000104	0.000668	0.000565242	0.000565242
598	6.00E-03	0.001121	0.000478	1.29E-06	0.001013	0.000432	0.000703	0.000121	0.000804	0.000663031	0.000663031
599	7.48E-03	0.001537	0.000655	1.37E-06	0.001209	0.000517	0.000835	0.000144	0.000994	0.000792671	0.000792671
600	9.61E-03	0.002201	0.000939	1.45E-06	0.001469	0.000629	0.001009	0.000174	0.001259	0.000963826	0.000963826
601	3.97E-02	0.000693	0.000295	1.18E-06	0.008537	0.003689	0.008881	0.001542	0.004732	0.005644775	0.005644775
602	3.04E-02	0.000603	0.000257	1.12E-06	0.006516	0.002814	0.00677	0.001176	0.003639	0.004306899	0.004306899
603	2.36E-02	0.000525	0.000224	1.05E-06	0.005048	0.002179	0.005209	0.000904	0.002841	0.003335735	0.003335735
604	1.89E-02	0.000462	0.000197	9.88E-07	0.004046	0.001746	0.004134	0.000718	0.002292	0.002672704	0.002672704
605	1.54E-02	0.000408	0.000174	9.25E-07	0.003291	0.00142	0.003324	0.000577	0.001875	0.002172998	0.002172998
606	1.26E-02	0.000359	0.000153	8.6E-07	0.002685	0.001158	0.00268	0.000465	0.001539	0.001772681	0.001772681
607	4.07E-03	0.000637	0.000271	1.03E-06	0.000731	0.000312	0.000527	9.08E-05	0.000546	0.000477671	0.000477671
608	4.85E-03	0.000816	0.000348	1.1E-06	0.000849	0.000362	0.000612	0.000106	0.000648	0.000555537	0.000555537
609	5.87E-03	0.001069	0.000456	1.17E-06	0.000994	0.000425	0.000718	0.000124	0.000776	0.000651335	0.000651335
610	7.25E-03	0.001448	0.000618	1.23E-06	0.00118	0.000505	0.000853	0.000147	0.000947	0.000773801	0.000773801
611	9.25E-03	0.002064	0.000881	1.3E-06	0.001426	0.000611	0.001034	0.000179	0.001182	0.000936166	0.000936166
612	4.10E-02	0.00066	0.000281	1.1E-06	0.008686	0.003753	0.00967	0.001679	0.004792	0.005743901	0.005743901
613	3.05E-02	0.000575	0.000245	1.05E-06	0.006451	0.002787	0.007077	0.001229	0.003591	0.00426473	0.00426473
614	2.33E-02	0.000502	0.000214	9.9E-07	0.004926	0.002127	0.005311	0.000922	0.002765	0.003255608	0.003255608
615	1.85E-02	0.000442	0.000188	9.35E-07	0.003914	0.001689	0.004145	0.00072	0.002213	0.00258583	0.00258583
616	1.50E-02	0.000391	0.000167	8.79E-07	0.003174	0.001369	0.003303	0.000573	0.001806	0.002095797	0.002095797

Franklin School Project

Mitigated Residential - Residential Construction Health Impact Assessment

547	Receptor
0.05	Max

Receptor #	Max	Mod BC	Mod AC	Port	Demo	Grad	BC	AC	Paving	Demo-Port. 2	Demo-Port. 1,3,4
617	1.22E-02	0.000344	0.000146	8.2E-07	0.002577	0.001111	0.002635	0.000457	0.001475	0.001701274	0.001701274
618	3.96E-03	0.000603	0.000257	9.4E-07	0.000713	0.000304	0.000529	9.12E-05	0.000527	0.00046658	0.00046658
619	4.67E-03	0.00076	0.000324	1E-06	0.000823	0.000351	0.000613	0.000106	0.000618	0.000538798	0.000538798
620	5.64E-03	0.000991	0.000423	1.06E-06	0.000964	0.000412	0.000722	0.000125	0.000739	0.000632198	0.000632198
621	6.88E-03	0.00132	0.000563	1.11E-06	0.001135	0.000486	0.000856	0.000148	0.000886	0.000744745	0.000744745
622	8.72E-03	0.00186	0.000793	1.17E-06	0.001367	0.000586	0.00104	0.00018	0.001093	0.000897978	0.000897978
623	3.91E-02	0.000621	0.000265	1.03E-06	0.008172	0.003531	0.009574	0.001663	0.004504	0.005403725	0.005403725
624	2.86E-02	0.000541	0.000231	9.83E-07	0.005992	0.002588	0.006836	0.001187	0.003334	0.003961268	0.003961268
625	2.19E-02	0.000474	0.000202	9.32E-07	0.004591	0.001982	0.005105	0.000886	0.002576	0.00303374	0.00303374
626	1.74E-02	0.00042	0.000179	8.84E-07	0.003663	0.001581	0.003978	0.000691	0.002071	0.002420104	0.002420104
627	1.43E-02	0.000374	0.000159	8.37E-07	0.003008	0.001298	0.003197	0.000555	0.001711	0.001986418	0.001986418
628	1.17E-02	0.000331	0.000141	7.86E-07	0.00247	0.001065	0.002572	0.000446	0.001414	0.00163092	0.00163092
629	3.82E-03	0.000563	0.00024	8.63E-07	0.000692	0.000295	0.000527	9.09E-05	0.000505	0.000452945	0.000452945
630	4.47E-03	0.000698	0.000298	9.14E-07	0.000793	0.000339	0.000608	0.000105	0.000586	0.000519389	0.000519389
631	5.32E-03	0.000891	0.00038	9.65E-07	0.000921	0.000394	0.000712	0.000123	0.000691	0.000604405	0.000604405
632	6.46E-03	0.00117	0.000499	1.01E-06	0.001083	0.000464	0.000847	0.000146	0.000825	0.000711381	0.000711381
633	8.06E-03	0.001603	0.000684	1.06E-06	0.001297	0.000557	0.001028	0.000178	0.001002	0.000852712	0.000852712
634	3.40E-02	0.000579	0.000247	9.64E-07	0.007029	0.003037	0.00844	0.001466	0.003887	0.004647803	0.004647803
635	2.54E-02	0.000507	0.000216	9.22E-07	0.005277	0.002279	0.006148	0.001068	0.002945	0.003488337	0.003488337
636	1.98E-02	0.000446	0.00019	8.78E-07	0.004124	0.001781	0.004666	0.00081	0.00232	0.002725297	0.002725297
637	1.60E-02	0.000396	0.000169	8.36E-07	0.003338	0.001441	0.003676	0.000638	0.001891	0.002204897	0.002204897
638	1.32E-02	0.000354	0.000151	7.93E-07	0.002761	0.001191	0.002968	0.000515	0.001573	0.001823174	0.001823174
639	1.10E-02	0.000317	0.000135	7.52E-07	0.002323	0.001002	0.002444	0.000424	0.001331	0.001533503	0.001533503
640	3.65E-03	0.000518	0.000221	7.95E-07	0.000666	0.000285	0.000518	8.95E-05	0.00048	0.000436105	0.000436105
641	4.25E-03	0.000636	0.000271	8.4E-07	0.000762	0.000326	0.000599	0.000103	0.000555	0.000499634	0.000499634
642	5.02E-03	0.000796	0.000339	8.83E-07	0.000882	0.000377	0.0007	0.000121	0.000649	0.000578468	0.000578468
643	6.03E-03	0.001019	0.000434	9.24E-07	0.001032	0.000442	0.000831	0.000144	0.000768	0.000677886	0.000677886
644	7.37E-03	0.001338	0.000571	9.63E-07	0.001225	0.000526	0.001003	0.000174	0.000918	0.000805529	0.000805529
645	2.75E-02	0.000535	0.000228	9.01E-07	0.00565	0.002441	0.006858	0.001191	0.003147	0.003735431	0.003735431
646	2.17E-02	0.000472	0.000201	8.65E-07	0.004473	0.001932	0.005249	0.000911	0.002509	0.002956279	0.002956279
647	1.74E-02	0.000419	0.000178	8.28E-07	0.003613	0.00156	0.004111	0.000714	0.002041	0.002387114	0.002387114
648	1.43E-02	0.000373	0.000159	7.91E-07	0.002986	0.001289	0.003305	0.000574	0.001697	0.001972327	0.001972327
649	1.20E-02	0.000335	0.000143	7.53E-07	0.002509	0.001082	0.002708	0.00047	0.001434	0.00165634	0.00165634
650	1.02E-02	0.000301	0.000128	7.17E-07	0.002133	0.00092	0.002252	0.000391	0.001225	0.001407911	0.001407911
651	3.49E-03	0.000476	0.000203	7.36E-07	0.000641	0.000274	0.000509	8.79E-05	0.000457	0.000420001	0.000420001
652	4.04E-03	0.000575	0.000245	7.74E-07	0.000731	0.000313	0.000587	0.000101	0.000526	0.000479373	0.000479373
653	4.72E-03	0.000704	0.0003	8.11E-07	0.000841	0.00036	0.000684	0.000118	0.00061	0.000552254	0.000552254
654	5.59E-03	0.000874	0.000373	8.46E-07	0.000979	0.00042	0.000808	0.00014	0.000713	0.000643137	0.000643137
655	6.71E-03	0.001099	0.000469	8.8E-07	0.001152	0.000494	0.000969	0.000168	0.00084	0.000757447	0.000757447
656	8.13E-03	0.001392	0.000594	9.11E-07	0.001371	0.000589	0.00118	0.000204	0.000996	0.000902382	0.000902382
657	9.99E-03	0.00175	0.000746	9.39E-07	0.001664	0.000716	0.001475	0.000256	0.001195	0.001096118	0.001096118
658	1.24E-02	0.002115	0.000902	9.63E-07	0.00207	0.000891	0.001907	0.000331	0.001452	0.001364811	0.001364811
659	1.54E-02	0.002376	0.001014	9.82E-07	0.002624	0.001131	0.002539	0.00044	0.001782	0.00173115	0.00173115
660	1.92E-02	0.002455	0.001048	9.96E-07	0.003411	0.001472	0.003518	0.00061	0.002221	0.002252464	0.002252464

Franklin School Project

Mitigated Residential - Residential Construction Health Impact Assessment

547	Receptor
0.05	Max

Receptor #	Max	Mod BC	Mod AC	Port	Demo	Grad	BC	AC	Paving	Demo-Port. 2	Demo-Port. 1,3,4
661	2.40E-02	0.002335	0.000996	1E-06	0.004408	0.001903	0.004894	0.00085	0.002752	0.002912099	0.002912099
662	2.94E-02	0.00205	0.000875	1.01E-06	0.005542	0.002393	0.006703	0.001164	0.003334	0.003662804	0.003662804
663	3.45E-02	0.001715	0.000732	1E-06	0.006544	0.002827	0.008687	0.001509	0.003832	0.004326412	0.004326412
664	3.86E-02	0.001427	0.000609	9.98E-07	0.007307	0.003157	0.010438	0.001813	0.004199	0.004831722	0.004831722
665	4.09E-02	0.00119	0.000508	9.87E-07	0.007742	0.003345	0.011497	0.001997	0.004391	0.0051193	0.0051193
666	4.14E-02	0.001002	0.000427	9.71E-07	0.007872	0.003402	0.011805	0.00205	0.004424	0.005205755	0.005205755
667	4.01E-02	0.000854	0.000364	9.51E-07	0.007706	0.00333	0.011385	0.001978	0.004305	0.005095692	0.005095692
668	3.72E-02	0.000736	0.000314	9.29E-07	0.007253	0.003134	0.010303	0.001789	0.004039	0.004796385	0.004796385
669	3.24E-02	0.00064	0.000273	9.03E-07	0.006457	0.00279	0.008648	0.001502	0.003596	0.004269406	0.004269406
670	2.69E-02	0.000559	0.000238	8.74E-07	0.005444	0.002352	0.006892	0.001197	0.003042	0.003598872	0.003598872
671	2.20E-02	0.000492	0.00021	8.43E-07	0.004486	0.001937	0.005435	0.000944	0.00252	0.002964851	0.002964851
672	1.81E-02	0.000438	0.000186	8.12E-07	0.003725	0.001608	0.004359	0.000757	0.002104	0.002461417	0.002461417
673	1.50E-02	0.00039	0.000166	7.8E-07	0.003112	0.001343	0.003531	0.000613	0.001767	0.002055537	0.002055537
674	1.27E-02	0.00035	0.000149	7.47E-07	0.002633	0.001136	0.002907	0.000505	0.001503	0.001738661	0.001738661
675	1.08E-02	0.000315	0.000134	7.15E-07	0.00225	0.00097	0.002424	0.000421	0.00129	0.001485134	0.001485134
676	9.28E-03	0.000285	0.000121	6.82E-07	0.001944	0.000838	0.002049	0.000356	0.00112	0.00128317	0.00128317
677	3.28E-03	0.000429	0.000183	6.81E-07	0.000608	0.00026	0.000491	8.49E-05	0.000429	0.00039885	0.00039885
678	3.76E-03	0.000508	0.000217	7.15E-07	0.000689	0.000295	0.000562	9.72E-05	0.000488	0.000451698	0.000451698
679	4.36E-03	0.000611	0.000261	7.47E-07	0.000789	0.000338	0.000653	0.000113	0.000563	0.000518036	0.000518036
680	5.09E-03	0.000736	0.000314	7.79E-07	0.000908	0.000389	0.000763	0.000132	0.000649	0.000596401	0.000596401
681	6.02E-03	0.000896	0.000382	8.08E-07	0.001062	0.000456	0.000911	0.000158	0.000758	0.000698327	0.000698327
682	7.16E-03	0.001085	0.000463	8.36E-07	0.00125	0.000537	0.001098	0.00019	0.000887	0.000822847	0.000822847
683	8.56E-03	0.001293	0.000552	8.6E-07	0.001488	0.00064	0.001345	0.000233	0.001043	0.00098002	0.00098002
684	1.04E-02	0.001496	0.000638	8.81E-07	0.001814	0.000781	0.001705	0.000296	0.001243	0.001196078	0.001196078
685	1.26E-02	0.001641	0.0007	8.98E-07	0.002234	0.000963	0.002204	0.000382	0.001489	0.001473953	0.001473953
686	1.51E-02	0.001696	0.000723	9.12E-07	0.002753	0.001187	0.002868	0.000498	0.00178	0.001816904	0.001816904
687	1.83E-02	0.001645	0.000702	9.2E-07	0.003397	0.001466	0.003784	0.000657	0.002126	0.002243216	0.002243216
688	2.16E-02	0.001507	0.000643	9.24E-07	0.004082	0.001762	0.004877	0.000847	0.00248	0.002697098	0.002697098
689	2.46E-02	0.001329	0.000567	9.23E-07	0.004682	0.002022	0.005969	0.001036	0.00278	0.003094065	0.003094065
690	2.70E-02	0.001157	0.000494	9.19E-07	0.005163	0.00223	0.006937	0.001205	0.003013	0.003412681	0.003412681
691	2.84E-02	0.001002	0.000427	9.11E-07	0.005449	0.002354	0.00756	0.001313	0.00314	0.003602284	0.003602284
692	2.89E-02	0.000865	0.000369	8.98E-07	0.005559	0.002401	0.007796	0.001354	0.003172	0.003674802	0.003674802
693	2.82E-02	0.000752	0.000321	8.82E-07	0.005474	0.002364	0.007604	0.001321	0.003103	0.003618593	0.003618593
694	2.65E-02	0.000657	0.00028	8.63E-07	0.005204	0.002248	0.007037	0.001222	0.002939	0.003439798	0.003439798
695	2.39E-02	0.000578	0.000246	8.41E-07	0.004759	0.002055	0.006187	0.001074	0.002684	0.003145382	0.003145382
696	2.08E-02	0.000509	0.000217	8.16E-07	0.004194	0.001811	0.005228	0.000908	0.002369	0.002771504	0.002771504
697	1.77E-02	0.000452	0.000193	7.9E-07	0.003617	0.001562	0.004335	0.000753	0.00205	0.002389984	0.002389984
698	1.52E-02	0.000405	0.000172	7.63E-07	0.003115	0.001344	0.003612	0.000627	0.001772	0.002057625	0.002057625
699	1.30E-02	0.000363	0.000155	7.35E-07	0.002678	0.001155	0.003015	0.000523	0.00153	0.001768684	0.001768684
700	1.11E-02	0.000328	0.00014	7.07E-07	0.002315	0.000999	0.002539	0.000441	0.001328	0.001528569	0.001528569
701	9.65E-03	0.000296	0.000126	6.78E-07	0.002012	0.000867	0.002155	0.000374	0.001159	0.001327781	0.001327781
702	8.42E-03	0.000269	0.000115	6.49E-07	0.001762	0.000759	0.001848	0.000321	0.001019	0.001162705	0.001162705
703	3.09E-03	0.000386	0.000164	6.33E-07	0.000577	0.000247	0.000472	8.16E-05	0.000403	0.000378156	0.000378156
704	3.52E-03	0.000452	0.000193	6.63E-07	0.000651	0.000279	0.000539	9.32E-05	0.000457	0.000427414	0.000427414

Franklin School Project

Mitigated Residential - Residential Construction Health Impact Assessment

547	Receptor
0.05	Max

Receptor #	Max	Mod BC	Mod AC	Port	Demo	Grad	BC	AC	Paving	Demo-Port. 2	Demo-Port. 1,3,4
705	4.03E-03	0.000531	0.000226	6.91E-07	0.000739	0.000316	0.00062	0.000107	0.000519	0.000484887	0.000484887
706	4.65E-03	0.000625	0.000267	7.19E-07	0.000844	0.000362	0.00072	0.000125	0.000594	0.000554854	0.000554854
707	5.41E-03	0.000737	0.000314	7.45E-07	0.000975	0.000419	0.000848	0.000147	0.000684	0.000641141	0.000641141
708	6.35E-03	0.000865	0.000369	7.69E-07	0.001139	0.00049	0.001015	0.000176	0.000792	0.000749857	0.000749857
709	7.47E-03	0.000997	0.000425	7.91E-07	0.001341	0.000577	0.00123	0.000213	0.00092	0.000882994	0.000882994
710	8.88E-03	0.001119	0.000477	8.09E-07	0.001604	0.000691	0.00153	0.000265	0.001079	0.00105734	0.00105734
711	1.04E-02	0.001206	0.000515	8.25E-07	0.001907	0.000822	0.001897	0.000329	0.001256	0.001257865	0.001257865
712	1.23E-02	0.001244	0.000531	8.37E-07	0.002283	0.000984	0.002388	0.000414	0.001467	0.001506355	0.001506355
713	1.43E-02	0.001226	0.000523	8.46E-07	0.002691	0.00116	0.002967	0.000515	0.001688	0.001776235	0.001776235
714	1.65E-02	0.001156	0.000493	8.5E-07	0.003138	0.001354	0.003663	0.000636	0.001921	0.002072303	0.002072303
715	1.84E-02	0.001056	0.00045	8.5E-07	0.003532	0.001525	0.004332	0.000752	0.00212	0.002333539	0.002333539
716	1.99E-02	0.00095	0.000405	8.48E-07	0.003839	0.001657	0.004898	0.00085	0.002269	0.002536743	0.002536743
717	2.09E-02	0.000845	0.00036	8.42E-07	0.004038	0.001743	0.005283	0.000917	0.002358	0.002668146	0.002668146
718	2.12E-02	0.000747	0.000318	8.32E-07	0.00413	0.001783	0.005463	0.000949	0.002388	0.002729383	0.002729383
719	2.09E-02	0.000661	0.000282	8.19E-07	0.004098	0.001769	0.005399	0.000937	0.002353	0.002708064	0.002708064
720	2.00E-02	0.000586	0.00025	8.03E-07	0.003946	0.001704	0.005109	0.000887	0.002256	0.002607943	0.002607943
721	1.84E-02	0.000521	0.000222	7.85E-07	0.003685	0.001591	0.004639	0.000805	0.002103	0.002434951	0.002434951
722	1.65E-02	0.000464	0.000198	7.63E-07	0.003339	0.001441	0.004073	0.000707	0.001905	0.002206219	0.002206219
723	1.46E-02	0.000415	0.000177	7.4E-07	0.002972	0.001283	0.003507	0.000609	0.001699	0.001963395	0.001963395
724	1.28E-02	0.000375	0.00016	7.18E-07	0.002636	0.001138	0.003021	0.000524	0.001511	0.001741225	0.001741225
725	1.12E-02	0.000339	0.000144	6.94E-07	0.002321	0.001001	0.002587	0.000449	0.001334	0.001532253	0.001532253
726	9.84E-03	0.000307	0.000131	6.69E-07	0.002042	0.000881	0.002221	0.000385	0.001178	0.001348238	0.001348238
727	8.64E-03	0.000279	0.000119	6.43E-07	0.001801	0.000776	0.001914	0.000332	0.001042	0.001188244	0.001188244
728	7.63E-03	0.000254	0.000108	6.18E-07	0.001596	0.000688	0.001663	0.000289	0.000926	0.001053262	0.001053262
729	2.91E-03	0.000349	0.000149	5.9E-07	0.000548	0.000234	0.000453	7.83E-05	0.000379	0.000359301	0.000359301
730	3.29E-03	0.000402	0.000171	6.16E-07	0.000615	0.000263	0.000514	8.89E-05	0.000427	0.000403227	0.000403227
731	3.73E-03	0.000464	0.000198	6.41E-07	0.000692	0.000297	0.000587	0.000102	0.000481	0.000454503	0.000454503
732	4.27E-03	0.000536	0.000229	6.66E-07	0.000787	0.000338	0.000679	0.000117	0.000546	0.000517317	0.000517317
733	4.89E-03	0.000616	0.000263	6.89E-07	0.000898	0.000385	0.000789	0.000137	0.00062	0.000590304	0.000590304
734	5.66E-03	0.000704	0.0003	7.1E-07	0.001037	0.000446	0.000933	0.000162	0.00071	0.000682412	0.000682412
735	6.56E-03	0.000792	0.000338	7.3E-07	0.001205	0.000518	0.001116	0.000193	0.000814	0.0007934	0.0007934
736	7.65E-03	0.000871	0.000372	7.46E-07	0.001411	0.000607	0.001355	0.000235	0.000938	0.000929921	0.000929921
737	8.80E-03	0.000929	0.000396	7.61E-07	0.001634	0.000704	0.001627	0.000282	0.001069	0.001077557	0.001077557
738	1.02E-02	0.000957	0.000408	7.72E-07	0.001909	0.000822	0.001986	0.000345	0.001223	0.001259215	0.001259215
739	1.16E-02	0.000953	0.000407	7.8E-07	0.00219	0.000944	0.002378	0.000413	0.001376	0.00144527	0.00144527
740	1.30E-02	0.000917	0.000391	7.85E-07	0.002491	0.001075	0.002833	0.000492	0.001535	0.001644828	0.001644828
741	1.44E-02	0.000858	0.000366	7.86E-07	0.002767	0.001194	0.003275	0.000568	0.001675	0.001827034	0.001827034
742	1.53E-02	0.000791	0.000337	7.85E-07	0.002973	0.001283	0.003627	0.00063	0.001776	0.001963904	0.001963904
743	1.60E-02	0.000719	0.000307	7.8E-07	0.003118	0.001346	0.003883	0.000674	0.001842	0.002059644	0.002059644
744	1.63E-02	0.000648	0.000277	7.72E-07	0.003199	0.001381	0.00403	0.0007	0.001872	0.002113495	0.002113495
745	1.62E-02	0.000583	0.000249	7.62E-07	0.0032	0.001381	0.00403	0.0007	0.001859	0.002113914	0.002113914
746	1.57E-02	0.000524	0.000223	7.49E-07	0.003118	0.001346	0.003885	0.000674	0.001802	0.00205996	0.00205996
747	1.48E-02	0.000471	0.000201	7.33E-07	0.002957	0.001276	0.00361	0.000627	0.001704	0.001953396	0.001953396
748	1.35E-02	0.000423	0.00018	7.15E-07	0.002729	0.001178	0.003251	0.000564	0.001572	0.001802514	0.001802514

Franklin School Project

Mitigated Residential - Residential Construction Health Impact Assessment

547	Receptor
0.05	Max

Receptor #	Max	Mod BC	Mod AC	Port	Demo	Grad	BC	AC	Paving	Demo-Port. 2	Demo-Port. 1,3,4
749	1.22E-02	0.000381	0.000162	6.95E-07	0.002484	0.001072	0.00288	0.0005	0.001431	0.001640245	0.001640245
750	1.09E-02	0.000346	0.000147	6.75E-07	0.002244	0.000968	0.002535	0.00044	0.001295	0.001481883	0.001481883
751	9.76E-03	0.000314	0.000134	6.54E-07	0.002014	0.000868	0.002219	0.000385	0.001164	0.001329419	0.001329419
752	8.69E-03	0.000287	0.000122	6.32E-07	0.001803	0.000777	0.001942	0.000337	0.001045	0.001189923	0.001189923
753	7.75E-03	0.000262	0.000112	6.1E-07	0.001614	0.000696	0.001702	0.000295	0.000938	0.001064828	0.001064828
754	6.93E-03	0.00024	0.000102	5.87E-07	0.001448	0.000624	0.001498	0.00026	0.000844	0.00095528	0.00095528
755	2.73E-03	0.000315	0.000134	5.51E-07	0.000518	0.000222	0.000432	7.47E-05	0.000356	0.000339889	0.000339889
756	3.06E-03	0.000357	0.000152	5.74E-07	0.000576	0.000247	0.000486	8.41E-05	0.000396	0.000378093	0.000378093
757	3.44E-03	0.000406	0.000173	5.97E-07	0.000645	0.000277	0.000552	9.55E-05	0.000444	0.000423682	0.000423682
758	3.89E-03	0.000461	0.000196	6.18E-07	0.000727	0.000312	0.000631	0.000109	0.000499	0.000477417	0.000477417
759	4.44E-03	0.000522	0.000222	6.39E-07	0.000827	0.000355	0.000732	0.000127	0.000564	0.000543581	0.000543581
760	5.06E-03	0.000584	0.000249	6.58E-07	0.000942	0.000405	0.000853	0.000148	0.000637	0.000619799	0.000619799
761	5.78E-03	0.000646	0.000275	6.75E-07	0.001079	0.000464	0.001004	0.000174	0.000722	0.000710324	0.000710324
762	6.63E-03	0.0007	0.000299	6.91E-07	0.001241	0.000534	0.001192	0.000207	0.000818	0.000817605	0.000817605
763	7.52E-03	0.000741	0.000316	7.04E-07	0.001417	0.00061	0.001407	0.000244	0.000921	0.000933964	0.000933964
764	8.51E-03	0.000763	0.000325	7.14E-07	0.001615	0.000695	0.001662	0.000288	0.001033	0.00106476	0.00106476
765	9.52E-03	0.000765	0.000326	7.22E-07	0.001819	0.000784	0.00194	0.000337	0.001145	0.001199727	0.001199727
766	1.05E-02	0.000746	0.000318	7.27E-07	0.00203	0.000875	0.002248	0.00039	0.001257	0.001339663	0.001339663
767	1.15E-02	0.000711	0.000303	7.28E-07	0.002229	0.000961	0.002554	0.000443	0.00136	0.001471579	0.001471579
768	1.22E-02	0.000667	0.000284	7.28E-07	0.00238	0.001027	0.002795	0.000485	0.001434	0.001571383	0.001571383
769	1.27E-02	0.000619	0.000264	7.25E-07	0.002493	0.001075	0.002978	0.000517	0.001487	0.001646065	0.001646065
770	1.30E-02	0.000567	0.000242	7.19E-07	0.002566	0.001107	0.003103	0.000539	0.001516	0.001694491	0.001694491
771	1.31E-02	0.000517	0.00022	7.1E-07	0.002586	0.001116	0.003136	0.000544	0.001516	0.001707795	0.001707795
772	1.28E-02	0.00047	0.0002	6.99E-07	0.002545	0.001098	0.003068	0.000533	0.001484	0.001680794	0.001680794
773	1.22E-02	0.000427	0.000182	6.86E-07	0.002443	0.001054	0.002902	0.000504	0.00142	0.001613064	0.001613064
774	1.12E-02	0.000386	0.000165	6.7E-07	0.002276	0.000982	0.002648	0.00046	0.001321	0.001502777	0.001502777
775	1.03E-02	0.000351	0.00015	6.53E-07	0.002107	0.000909	0.002399	0.000416	0.001223	0.001391115	0.001391115
776	9.44E-03	0.00032	0.000137	6.36E-07	0.001936	0.000835	0.002157	0.000374	0.001125	0.001278202	0.001278202
777	8.56E-03	0.000293	0.000125	6.17E-07	0.001765	0.000761	0.001924	0.000334	0.001027	0.001165174	0.001165174
778	7.74E-03	0.000269	0.000114	5.98E-07	0.001603	0.000691	0.001711	0.000297	0.000934	0.001057953	0.001057953
779	6.98E-03	0.000247	0.000105	5.79E-07	0.001453	0.000626	0.001521	0.000264	0.000848	0.000958821	0.000958821
780	6.31E-03	0.000227	9.66E-05	5.59E-07	0.001318	0.000568	0.001354	0.000235	0.00077	0.00086902	0.00086902
781	2.56E-03	0.000285	0.000121	5.16E-07	0.00049	0.00021	0.000411	7.11E-05	0.000334	0.000321145	0.000321145
782	2.85E-03	0.000319	0.000136	5.37E-07	0.000542	0.000232	0.00046	7.96E-05	0.00037	0.000355509	0.000355509
783	3.18E-03	0.000358	0.000153	5.57E-07	0.000602	0.000258	0.000518	8.97E-05	0.000411	0.000395586	0.000395586
784	3.57E-03	0.000401	0.000171	5.76E-07	0.000674	0.000289	0.000589	0.000102	0.000458	0.000442943	0.000442943
785	4.03E-03	0.000447	0.00019	5.94E-07	0.000761	0.000326	0.000677	0.000117	0.000514	0.00050009	0.00050009
786	4.55E-03	0.000493	0.00021	6.12E-07	0.000858	0.000368	0.00078	0.000135	0.000575	0.000564229	0.000564229
787	5.14E-03	0.000538	0.000229	6.27E-07	0.00097	0.000417	0.000904	0.000157	0.000643	0.00063851	0.00063851
788	5.81E-03	0.000577	0.000246	6.41E-07	0.001101	0.000473	0.001056	0.000183	0.000721	0.000724871	0.000724871
789	6.49E-03	0.000607	0.000259	6.53E-07	0.001236	0.000532	0.00122	0.000211	0.0008	0.000814514	0.000814514
790	7.23E-03	0.000625	0.000267	6.62E-07	0.001383	0.000595	0.001406	0.000244	0.000884	0.000911452	0.000911452
791	7.99E-03	0.000629	0.000268	6.7E-07	0.001537	0.000662	0.001612	0.00028	0.000969	0.001013916	0.001013916
792	8.75E-03	0.00062	0.000264	6.74E-07	0.001694	0.00073	0.001833	0.000318	0.001053	0.001117782	0.001117782

Franklin School Project

Mitigated Residential - Residential Construction Health Impact Assessment

547	Receptor
0.05	**Max**

Receptor #	Max	Mod BC	Mod AC	Port	Demo	Grad	BC	AC	Paving	Demo-Port. 2	Demo-Port. 1,3,4
793	9.45E-03	0.000598	0.000255	6.77E-07	0.001841	0.000794	0.00205	0.000356	0.001129	0.001214778	0.001214778
794	9.98E-03	0.00057	0.000243	6.77E-07	0.001954	0.000842	0.002218	0.000385	0.001186	0.001289428	0.001289428
795	1.04E-02	0.000536	0.000229	6.75E-07	0.002048	0.000883	0.002364	0.00041	0.001231	0.001352096	0.001352096
796	1.07E-02	0.000498	0.000212	6.7E-07	0.002111	0.000911	0.002466	0.000428	0.001257	0.001393808	0.001393808
797	1.07E-02	0.000461	0.000196	6.63E-07	0.002138	0.000922	0.002509	0.000435	0.001264	0.001411584	0.001411584
798	1.06E-02	0.000423	0.00018	6.54E-07	0.002117	0.000913	0.002477	0.00043	0.001245	0.001397848	0.001397848
799	1.02E-02	0.000388	0.000165	6.43E-07	0.002048	0.000883	0.002372	0.000412	0.0012	0.001352365	0.001352365
800	9.51E-03	0.000354	0.000151	6.29E-07	0.001928	0.000831	0.002194	0.000381	0.001128	0.001272759	0.001272759
801	8.87E-03	0.000324	0.000138	6.15E-07	0.001809	0.00078	0.002023	0.000351	0.001057	0.001193898	0.001193898
802	8.23E-03	0.000298	0.000127	6E-07	0.001688	0.000728	0.001854	0.000322	0.000986	0.001114132	0.001114132
803	7.57E-03	0.000274	0.000117	5.84E-07	0.001561	0.000673	0.001682	0.000292	0.000912	0.001029742	0.001029742
804	6.93E-03	0.000252	0.000108	5.67E-07	0.001435	0.000618	0.001518	0.000263	0.00084	0.000946655	0.000946655
805	6.32E-03	0.000233	9.91E-05	5.5E-07	0.001314	0.000566	0.001365	0.000237	0.00077	0.000866731	0.000866731
806	5.76E-03	0.000215	9.15E-05	5.32E-07	0.001202	0.000518	0.001227	0.000213	0.000705	0.000792499	0.000792499

Risk From Modernization Const - Mitigated Residential

Franklin School Project
Risk From Modernization Const - Mitigated Residential

	1.35	Max							
							Onsite		
Receptor #	**Total/ Million**	**Total**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
1	0.01	9.0E-09	2.3E-01	3.5E-04	1.0E-03	8.4E-08	1.6E-01	6.7E-01	8.8E-09
2	0.01	9.9E-09	2.5E-01	3.5E-04	1.0E-03	9.2E-08	1.6E-01	6.7E-01	9.7E-09
3	0.01	1.1E-08	2.7E-01	3.5E-04	1.0E-03	1.0E-07	1.6E-01	6.7E-01	1.1E-08
4	0.01	1.2E-08	3.0E-01	3.5E-04	1.0E-03	1.1E-07	1.6E-01	6.7E-01	1.2E-08
5	0.01	1.3E-08	3.2E-01	3.5E-04	1.0E-03	1.2E-07	1.6E-01	6.7E-01	1.2E-08
6	0.01	1.4E-08	3.5E-01	3.5E-04	1.0E-03	1.3E-07	1.6E-01	6.7E-01	1.3E-08
7	0.01	1.5E-08	3.7E-01	3.5E-04	1.0E-03	1.4E-07	1.6E-01	6.7E-01	1.4E-08
8	0.02	1.6E-08	3.9E-01	3.5E-04	1.0E-03	1.4E-07	1.6E-01	6.7E-01	1.5E-08
9	0.02	1.7E-08	4.1E-01	3.5E-04	1.0E-03	1.5E-07	1.6E-01	6.7E-01	1.6E-08
10	0.02	1.8E-08	4.4E-01	3.5E-04	1.0E-03	1.6E-07	1.6E-01	6.7E-01	1.7E-08
11	0.02	1.9E-08	4.7E-01	3.5E-04	1.0E-03	1.7E-07	1.6E-01	6.7E-01	1.8E-08
12	0.02	2.0E-08	5.0E-01	3.5E-04	1.0E-03	1.8E-07	1.6E-01	6.7E-01	1.9E-08
13	0.02	2.1E-08	5.2E-01	3.5E-04	1.0E-03	1.9E-07	1.6E-01	6.7E-01	2.0E-08
14	0.02	2.1E-08	5.4E-01	3.5E-04	1.0E-03	2.0E-07	1.6E-01	6.7E-01	2.1E-08
15	0.02	2.1E-08	5.4E-01	3.5E-04	1.0E-03	2.0E-07	1.6E-01	6.7E-01	2.1E-08
16	0.02	2.1E-08	5.3E-01	3.5E-04	1.0E-03	2.0E-07	1.6E-01	6.7E-01	2.1E-08
17	0.01	1.0E-08	2.6E-01	3.5E-04	1.0E-03	9.6E-08	1.6E-01	6.7E-01	1.0E-08
18	0.01	1.2E-08	2.9E-01	3.5E-04	1.0E-03	1.1E-07	1.6E-01	6.7E-01	1.1E-08
19	0.01	1.3E-08	3.2E-01	3.5E-04	1.0E-03	1.2E-07	1.6E-01	6.7E-01	1.3E-08
20	0.01	1.4E-08	3.6E-01	3.5E-04	1.0E-03	1.3E-07	1.6E-01	6.7E-01	1.4E-08
21	0.02	1.6E-08	3.9E-01	3.5E-04	1.0E-03	1.4E-07	1.6E-01	6.7E-01	1.5E-08
22	0.02	1.7E-08	4.3E-01	3.5E-04	1.0E-03	1.6E-07	1.6E-01	6.7E-01	1.6E-08
23	0.02	1.9E-08	4.6E-01	3.5E-04	1.0E-03	1.7E-07	1.6E-01	6.7E-01	1.8E-08
24	0.02	2.0E-08	4.9E-01	3.5E-04	1.0E-03	1.8E-07	1.6E-01	6.7E-01	1.9E-08
25	0.02	2.1E-08	5.3E-01	3.5E-04	1.0E-03	1.9E-07	1.6E-01	6.7E-01	2.0E-08
26	0.02	2.3E-08	5.7E-01	3.5E-04	1.0E-03	2.1E-07	1.6E-01	6.7E-01	2.2E-08
27	0.02	2.4E-08	6.1E-01	3.5E-04	1.0E-03	2.2E-07	1.6E-01	6.7E-01	2.4E-08
28	0.03	2.5E-08	6.5E-01	3.5E-04	1.0E-03	2.4E-07	1.6E-01	6.7E-01	2.5E-08
29	0.03	2.6E-08	6.7E-01	3.5E-04	1.0E-03	2.5E-07	1.6E-01	6.7E-01	2.6E-08
30	0.03	2.7E-08	6.8E-01	3.5E-04	1.0E-03	2.5E-07	1.6E-01	6.7E-01	2.6E-08
31	0.03	2.6E-08	6.7E-01	3.5E-04	1.0E-03	2.5E-07	1.6E-01	6.7E-01	2.6E-08
32	0.03	2.5E-08	6.5E-01	3.5E-04	1.0E-03	2.4E-07	1.6E-01	6.7E-01	2.5E-08
33	0.01	1.2E-08	3.0E-01	3.5E-04	1.0E-03	1.1E-07	1.6E-01	6.7E-01	1.2E-08
34	0.01	1.4E-08	3.4E-01	3.5E-04	1.0E-03	1.3E-07	1.6E-01	6.7E-01	1.3E-08
35	0.02	1.5E-08	3.9E-01	3.5E-04	1.0E-03	1.4E-07	1.6E-01	6.7E-01	1.5E-08
36	0.02	1.7E-08	4.4E-01	3.5E-04	1.0E-03	1.6E-07	1.6E-01	6.7E-01	1.7E-08
37	0.02	2.0E-08	4.9E-01	3.5E-04	1.0E-03	1.8E-07	1.6E-01	6.7E-01	1.9E-08
38	0.02	2.2E-08	5.4E-01	3.5E-04	1.0E-03	2.0E-07	1.6E-01	6.7E-01	2.1E-08
39	0.03	2.6E-08	5.9E-01	3.5E-04	1.0E-03	2.2E-07	1.6E-01	6.7E-01	2.3E-08
40	0.03	2.7E-08	6.4E-01	3.5E-04	1.0E-03	2.3E-07	1.6E-01	6.7E-01	2.5E-08
41	0.03	2.8E-08	6.9E-01	3.5E-04	1.0E-03	2.5E-07	1.6E-01	6.7E-01	2.7E-08
42	0.03	3.0E-08	7.6E-01	3.5E-04	1.0E-03	2.8E-07	1.6E-01	6.7E-01	2.9E-08
43	0.03	3.2E-08	8.2E-01	3.5E-04	1.0E-03	3.0E-07	1.6E-01	6.7E-01	3.2E-08

Franklin School Project

Risk From Modernization Const - Mitigated Residential

	1.35	Max							
						Onsite			
Receptor #	**Total/ Million**	**Total**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
44	0.03	3.4E-08	8.6E-01	3.5E-04	1.0E-03	3.2E-07	1.6E-01	6.7E-01	3.3E-08
45	0.03	3.4E-08	8.8E-01	3.5E-04	1.0E-03	3.2E-07	1.6E-01	6.7E-01	3.4E-08
46	0.03	3.4E-08	8.6E-01	3.5E-04	1.0E-03	3.2E-07	1.6E-01	6.7E-01	3.3E-08
47	0.03	3.2E-08	8.3E-01	3.5E-04	1.0E-03	3.0E-07	1.6E-01	6.7E-01	3.2E-08
48	0.03	3.0E-08	7.8E-01	3.5E-04	1.0E-03	2.9E-07	1.6E-01	6.7E-01	3.0E-08
49	0.01	1.4E-08	3.4E-01	3.5E-04	1.0E-03	1.3E-07	1.6E-01	6.7E-01	1.3E-08
50	0.02	1.6E-08	4.0E-01	3.5E-04	1.0E-03	1.5E-07	1.6E-01	6.7E-01	1.5E-08
51	0.02	1.8E-08	4.7E-01	3.5E-04	1.0E-03	1.7E-07	1.6E-01	6.7E-01	1.8E-08
52	0.02	2.2E-08	5.4E-01	3.5E-04	1.0E-03	2.0E-07	1.6E-01	6.7E-01	2.1E-08
53	0.03	2.5E-08	6.2E-01	3.5E-04	1.0E-03	2.3E-07	1.6E-01	6.7E-01	2.4E-08
54	0.03	3.0E-08	7.1E-01	3.5E-04	1.0E-03	2.6E-07	1.6E-01	6.7E-01	2.7E-08
55	0.03	3.3E-08	7.8E-01	3.5E-04	1.0E-03	2.9E-07	1.6E-01	6.7E-01	3.0E-08
56	0.04	3.7E-08	8.6E-01	3.5E-04	1.0E-03	3.2E-07	1.6E-01	6.7E-01	3.3E-08
57	0.04	3.9E-08	9.6E-01	3.5E-04	1.0E-03	3.5E-07	1.6E-01	6.7E-01	3.7E-08
58	0.04	4.2E-08	1.1E+00	3.5E-04	1.0E-03	3.9E-07	1.6E-01	6.7E-01	4.1E-08
59	0.05	4.5E-08	1.1E+00	3.5E-04	1.0E-03	4.2E-07	1.6E-01	6.7E-01	4.4E-08
60	0.05	4.6E-08	1.2E+00	3.5E-04	1.0E-03	4.3E-07	1.6E-01	6.7E-01	4.5E-08
61	0.05	4.5E-08	1.2E+00	3.5E-04	1.0E-03	4.2E-07	1.6E-01	6.7E-01	4.5E-08
62	0.04	4.3E-08	1.1E+00	3.5E-04	1.0E-03	4.0E-07	1.6E-01	6.7E-01	4.2E-08
63	0.04	3.9E-08	1.0E+00	3.5E-04	1.0E-03	3.7E-07	1.6E-01	6.7E-01	3.9E-08
64	0.04	3.6E-08	9.2E-01	3.5E-04	1.0E-03	3.4E-07	1.6E-01	6.7E-01	3.5E-08
65	0.02	1.6E-08	4.0E-01	3.5E-04	1.0E-03	1.5E-07	1.6E-01	6.7E-01	1.5E-08
66	0.02	1.9E-08	4.7E-01	3.5E-04	1.0E-03	1.7E-07	1.6E-01	6.7E-01	1.8E-08
67	0.02	2.3E-08	5.7E-01	3.5E-04	1.0E-03	2.1E-07	1.6E-01	6.7E-01	2.2E-08
68	0.03	2.7E-08	6.9E-01	3.5E-04	1.0E-03	2.5E-07	1.6E-01	6.7E-01	2.7E-08
69	0.03	3.3E-08	8.3E-01	3.5E-04	1.0E-03	3.0E-07	1.6E-01	6.7E-01	3.2E-08
70	0.04	4.1E-08	9.7E-01	3.5E-04	1.0E-03	3.6E-07	1.6E-01	6.7E-01	3.7E-08
71	0.05	4.8E-08	1.1E+00	3.5E-04	1.0E-03	4.1E-07	1.6E-01	6.7E-01	4.3E-08
72	0.05	5.3E-08	1.3E+00	3.5E-04	1.0E-03	4.6E-07	1.6E-01	6.7E-01	4.8E-08
73	0.06	5.8E-08	1.4E+00	3.5E-04	1.0E-03	5.3E-07	1.6E-01	6.7E-01	5.5E-08
74	0.06	6.3E-08	1.6E+00	3.5E-04	1.0E-03	5.8E-07	1.6E-01	6.7E-01	6.1E-08
75	0.07	6.5E-08	1.7E+00	3.5E-04	1.0E-03	6.1E-07	1.6E-01	6.7E-01	6.4E-08
76	0.06	6.4E-08	1.6E+00	3.5E-04	1.0E-03	6.0E-07	1.6E-01	6.7E-01	6.3E-08
77	0.06	5.9E-08	1.5E+00	3.5E-04	1.0E-03	5.6E-07	1.6E-01	6.7E-01	5.9E-08
78	0.05	5.3E-08	1.4E+00	3.5E-04	1.0E-03	5.0E-07	1.6E-01	6.7E-01	5.3E-08
79	0.05	4.7E-08	1.2E+00	3.5E-04	1.0E-03	4.4E-07	1.6E-01	6.7E-01	4.7E-08
80	0.04	4.1E-08	1.1E+00	3.5E-04	1.0E-03	3.9E-07	1.6E-01	6.7E-01	4.1E-08
81	0.02	1.8E-08	4.5E-01	3.5E-04	1.0E-03	1.7E-07	1.6E-01	6.7E-01	1.7E-08
82	0.02	2.2E-08	5.6E-01	3.5E-04	1.0E-03	2.1E-07	1.6E-01	6.7E-01	2.2E-08
83	0.03	2.8E-08	7.0E-01	3.5E-04	1.0E-03	2.6E-07	1.6E-01	6.7E-01	2.7E-08
84	0.04	3.5E-08	8.9E-01	3.5E-04	1.0E-03	3.3E-07	1.6E-01	6.7E-01	3.5E-08
85	0.05	4.5E-08	1.1E+00	3.5E-04	1.0E-03	4.2E-07	1.6E-01	6.7E-01	4.4E-08
86	0.06	5.8E-08	1.4E+00	3.5E-04	1.0E-03	5.2E-07	1.6E-01	6.7E-01	5.5E-08

Franklin School Project
Risk From Modernization Const - Mitigated Residential

	1.35	Max							
						Onsite			
Receptor #	**Total/ Million**	**Total**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
87	0.07	7.1E-08	1.7E+00	3.5E-04	1.0E-03	6.2E-07	1.6E-01	6.7E-01	6.6E-08
88	0.08	8.3E-08	2.0E+00	3.5E-04	1.0E-03	7.4E-07	1.6E-01	6.7E-01	7.7E-08
89	0.09	9.4E-08	2.3E+00	3.5E-04	1.0E-03	8.6E-07	1.6E-01	6.7E-01	9.1E-08
90	0.10	9.9E-08	2.5E+00	3.5E-04	1.0E-03	9.3E-07	1.6E-01	6.7E-01	9.7E-08
91	0.10	9.6E-08	2.5E+00	3.5E-04	1.0E-03	9.0E-07	1.6E-01	6.7E-01	9.5E-08
92	0.09	8.7E-08	2.2E+00	3.5E-04	1.0E-03	8.2E-07	1.6E-01	6.7E-01	8.6E-08
93	0.08	7.6E-08	2.0E+00	3.5E-04	1.0E-03	7.2E-07	1.6E-01	6.7E-01	7.5E-08
94	0.06	6.4E-08	1.7E+00	3.5E-04	1.0E-03	6.1E-07	1.6E-01	6.7E-01	6.4E-08
95	0.05	5.4E-08	1.4E+00	3.5E-04	1.0E-03	5.1E-07	1.6E-01	6.7E-01	5.4E-08
96	0.05	4.5E-08	1.2E+00	3.5E-04	1.0E-03	4.3E-07	1.6E-01	6.7E-01	4.5E-08
97	0.02	2.0E-08	5.1E-01	3.5E-04	1.0E-03	1.9E-07	1.6E-01	6.7E-01	2.0E-08
98	0.03	2.5E-08	6.5E-01	3.5E-04	1.0E-03	2.4E-07	1.6E-01	6.7E-01	2.5E-08
99	0.03	3.4E-08	8.6E-01	3.5E-04	1.0E-03	3.2E-07	1.6E-01	6.7E-01	3.3E-08
100	0.05	4.6E-08	1.2E+00	3.5E-04	1.0E-03	4.3E-07	1.6E-01	6.7E-01	4.5E-08
101	0.06	6.4E-08	1.6E+00	3.5E-04	1.0E-03	5.9E-07	1.6E-01	6.7E-01	6.2E-08
102	0.09	9.1E-08	2.2E+00	3.5E-04	1.0E-03	8.3E-07	1.6E-01	6.7E-01	8.7E-08
103	0.12	1.2E-07	3.0E+00	3.5E-04	1.0E-03	1.1E-06	1.6E-01	6.7E-01	1.1E-07
104	0.15	1.5E-07	3.8E+00	3.5E-04	1.0E-03	1.4E-06	1.6E-01	6.7E-01	1.5E-07
105	0.17	1.7E-07	4.4E+00	3.5E-04	1.0E-03	1.6E-06	1.6E-01	6.7E-01	1.7E-07
106	0.16	1.6E-07	4.2E+00	3.5E-04	1.0E-03	1.5E-06	1.6E-01	6.7E-01	1.6E-07
107	0.14	1.4E-07	3.6E+00	3.5E-04	1.0E-03	1.3E-06	1.6E-01	6.7E-01	1.4E-07
108	0.12	1.2E-07	3.0E+00	3.5E-04	1.0E-03	1.1E-06	1.6E-01	6.7E-01	1.1E-07
109	0.09	9.2E-08	2.4E+00	3.5E-04	1.0E-03	8.7E-07	1.6E-01	6.7E-01	9.2E-08
110	0.07	7.4E-08	1.9E+00	3.5E-04	1.0E-03	7.0E-07	1.6E-01	6.7E-01	7.3E-08
111	0.06	5.9E-08	1.5E+00	3.5E-04	1.0E-03	5.6E-07	1.6E-01	6.7E-01	5.8E-08
112	0.05	4.7E-08	1.2E+00	3.5E-04	1.0E-03	4.5E-07	1.6E-01	6.7E-01	4.7E-08
113	0.02	2.2E-08	5.6E-01	3.5E-04	1.0E-03	2.1E-07	1.6E-01	6.7E-01	2.2E-08
114	0.03	2.9E-08	7.5E-01	3.5E-04	1.0E-03	2.8E-07	1.6E-01	6.7E-01	2.9E-08
115	0.04	4.1E-08	1.0E+00	3.5E-04	1.0E-03	3.8E-07	1.6E-01	6.7E-01	4.0E-08
116	0.06	5.9E-08	1.5E+00	3.5E-04	1.0E-03	5.6E-07	1.6E-01	6.7E-01	5.9E-08
117	0.09	9.3E-08	2.4E+00	3.5E-04	1.0E-03	8.7E-07	1.6E-01	6.7E-01	9.2E-08
118	0.27	2.7E-07	6.8E+00	3.5E-04	1.0E-03	2.5E-06	1.6E-01	6.7E-01	2.6E-07
119	0.19	1.9E-07	5.0E+00	3.5E-04	1.0E-03	1.8E-06	1.6E-01	6.7E-01	1.9E-07
120	0.14	1.4E-07	3.6E+00	3.5E-04	1.0E-03	1.3E-06	1.6E-01	6.7E-01	1.4E-07
121	0.10	1.0E-07	2.7E+00	3.5E-04	1.0E-03	9.8E-07	1.6E-01	6.7E-01	1.0E-07
122	0.08	7.8E-08	2.0E+00	3.5E-04	1.0E-03	7.4E-07	1.6E-01	6.7E-01	7.8E-08
123	0.06	6.0E-08	1.5E+00	3.5E-04	1.0E-03	5.7E-07	1.6E-01	6.7E-01	6.0E-08
124	0.05	4.7E-08	1.2E+00	3.5E-04	1.0E-03	4.5E-07	1.6E-01	6.7E-01	4.7E-08
125	0.02	2.4E-08	6.1E-01	3.5E-04	1.0E-03	2.2E-07	1.6E-01	6.7E-01	2.3E-08
126	0.03	3.2E-08	8.2E-01	3.5E-04	1.0E-03	3.0E-07	1.6E-01	6.7E-01	3.2E-08
127	0.05	4.6E-08	1.2E+00	3.5E-04	1.0E-03	4.4E-07	1.6E-01	6.7E-01	4.6E-08
128	0.07	7.2E-08	1.9E+00	3.5E-04	1.0E-03	6.8E-07	1.6E-01	6.7E-01	7.2E-08
129	0.13	1.3E-07	3.2E+00	3.5E-04	1.0E-03	1.2E-06	1.6E-01	6.7E-01	1.2E-07

Franklin School Project
Risk From Modernization Const - Mitigated Residential

	1.35	Max							
						Onsite			
Receptor #	**Total/ Million**	**Total**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
130	0.37	3.7E-07	9.6E+00	3.5E-04	1.0E-03	3.5E-06	1.6E-01	6.7E-01	3.7E-07
131	0.23	2.3E-07	5.9E+00	3.5E-04	1.0E-03	2.2E-06	1.6E-01	6.7E-01	2.3E-07
132	0.15	1.5E-07	3.9E+00	3.5E-04	1.0E-03	1.4E-06	1.6E-01	6.7E-01	1.5E-07
133	0.11	1.1E-07	2.7E+00	3.5E-04	1.0E-03	1.0E-06	1.6E-01	6.7E-01	1.1E-07
134	0.08	7.7E-08	2.0E+00	3.5E-04	1.0E-03	7.3E-07	1.6E-01	6.7E-01	7.6E-08
135	0.06	5.8E-08	1.5E+00	3.5E-04	1.0E-03	5.5E-07	1.6E-01	6.7E-01	5.7E-08
136	0.04	4.4E-08	1.1E+00	3.5E-04	1.0E-03	4.2E-07	1.6E-01	6.7E-01	4.4E-08
137	0.02	2.4E-08	6.3E-01	3.5E-04	1.0E-03	2.3E-07	1.6E-01	6.7E-01	2.4E-08
138	0.03	3.3E-08	8.6E-01	3.5E-04	1.0E-03	3.2E-07	1.6E-01	6.7E-01	3.3E-08
139	0.05	4.9E-08	1.3E+00	3.5E-04	1.0E-03	4.6E-07	1.6E-01	6.7E-01	4.9E-08
140	0.08	7.9E-08	2.0E+00	3.5E-04	1.0E-03	7.5E-07	1.6E-01	6.7E-01	7.9E-08
141	0.14	1.4E-07	3.7E+00	3.5E-04	1.0E-03	1.4E-06	1.6E-01	6.7E-01	1.4E-07
142	0.40	4.0E-07	1.0E+01	3.5E-04	1.0E-03	3.8E-06	1.6E-01	6.7E-01	4.0E-07
143	0.22	2.2E-07	5.8E+00	3.5E-04	1.0E-03	2.1E-06	1.6E-01	6.7E-01	2.2E-07
144	0.14	1.4E-07	3.6E+00	3.5E-04	1.0E-03	1.3E-06	1.6E-01	6.7E-01	1.4E-07
145	0.10	9.7E-08	2.5E+00	3.5E-04	1.0E-03	9.2E-07	1.6E-01	6.7E-01	9.7E-08
146	0.07	6.9E-08	1.8E+00	3.5E-04	1.0E-03	6.6E-07	1.6E-01	6.7E-01	6.9E-08
147	0.05	5.2E-08	1.3E+00	3.5E-04	1.0E-03	4.9E-07	1.6E-01	6.7E-01	5.2E-08
148	0.04	4.0E-08	1.0E+00	3.5E-04	1.0E-03	3.8E-07	1.6E-01	6.7E-01	4.0E-08
149	0.02	2.4E-08	6.2E-01	3.5E-04	1.0E-03	2.3E-07	1.6E-01	6.7E-01	2.4E-08
150	0.03	3.3E-08	8.4E-01	3.5E-04	1.0E-03	3.1E-07	1.6E-01	6.7E-01	3.3E-08
151	0.05	4.8E-08	1.2E+00	3.5E-04	1.0E-03	4.5E-07	1.6E-01	6.7E-01	4.8E-08
152	0.08	7.6E-08	2.0E+00	3.5E-04	1.0E-03	7.2E-07	1.6E-01	6.7E-01	7.6E-08
153	0.14	1.4E-07	3.6E+00	3.5E-04	1.0E-03	1.3E-06	1.6E-01	6.7E-01	1.4E-07
154	0.36	3.6E-07	9.4E+00	3.5E-04	1.0E-03	3.4E-06	1.6E-01	6.7E-01	3.6E-07
155	0.19	1.9E-07	4.9E+00	3.5E-04	1.0E-03	1.8E-06	1.6E-01	6.7E-01	1.9E-07
156	0.12	1.2E-07	3.0E+00	3.5E-04	1.0E-03	1.1E-06	1.6E-01	6.7E-01	1.2E-07
157	0.08	8.3E-08	2.1E+00	3.5E-04	1.0E-03	7.9E-07	1.6E-01	6.7E-01	8.2E-08
158	0.06	6.0E-08	1.5E+00	3.5E-04	1.0E-03	5.7E-07	1.6E-01	6.7E-01	5.9E-08
159	0.05	4.5E-08	1.2E+00	3.5E-04	1.0E-03	4.3E-07	1.6E-01	6.7E-01	4.5E-08
160	0.04	3.5E-08	9.1E-01	3.5E-04	1.0E-03	3.3E-07	1.6E-01	6.7E-01	3.5E-08
161	0.02	2.3E-08	5.9E-01	3.5E-04	1.0E-03	2.2E-07	1.6E-01	6.7E-01	2.3E-08
162	0.03	3.1E-08	7.9E-01	3.5E-04	1.0E-03	2.9E-07	1.6E-01	6.7E-01	3.0E-08
163	0.04	4.3E-08	1.1E+00	3.5E-04	1.0E-03	4.1E-07	1.6E-01	6.7E-01	4.3E-08
164	0.07	6.6E-08	1.7E+00	3.5E-04	1.0E-03	6.2E-07	1.6E-01	6.7E-01	6.6E-08
165	0.11	1.1E-07	3.0E+00	3.5E-04	1.0E-03	1.1E-06	1.6E-01	6.7E-01	1.1E-07
166	0.24	2.4E-07	6.1E+00	3.5E-04	1.0E-03	2.2E-06	1.6E-01	6.7E-01	2.3E-07
167	0.60	6.0E-07	1.5E+01	3.5E-04	1.0E-03	5.7E-06	1.6E-01	6.7E-01	5.9E-07
168	0.90	9.0E-07	2.3E+01	3.5E-04	1.0E-03	8.6E-06	1.6E-01	6.7E-01	9.0E-07
169	0.47	4.7E-07	1.2E+01	3.5E-04	1.0E-03	4.5E-06	1.6E-01	6.7E-01	4.7E-07
170	0.25	2.5E-07	6.4E+00	3.5E-04	1.0E-03	2.4E-06	1.6E-01	6.7E-01	2.5E-07
171	0.15	1.5E-07	3.8E+00	3.5E-04	1.0E-03	1.4E-06	1.6E-01	6.7E-01	1.5E-07
172	0.09	9.1E-08	2.3E+00	3.5E-04	1.0E-03	8.6E-07	1.6E-01	6.7E-01	9.0E-08

Franklin School Project
Risk From Modernization Const - Mitigated Residential

	1.35	Max							
						Onsite			
Receptor #	**Total/ Million**	**Total**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
173	0.06	6.4E-08	1.7E+00	3.5E-04	1.0E-03	6.1E-07	1.6E-01	6.7E-01	6.4E-08
174	0.05	5.1E-08	1.3E+00	3.5E-04	1.0E-03	4.8E-07	1.6E-01	6.7E-01	5.0E-08
175	0.04	3.9E-08	1.0E+00	3.5E-04	1.0E-03	3.7E-07	1.6E-01	6.7E-01	3.9E-08
176	0.03	3.1E-08	7.9E-01	3.5E-04	1.0E-03	2.9E-07	1.6E-01	6.7E-01	3.1E-08
177	0.02	2.1E-08	5.4E-01	3.5E-04	1.0E-03	2.0E-07	1.6E-01	6.7E-01	2.1E-08
178	0.03	2.8E-08	7.1E-01	3.5E-04	1.0E-03	2.6E-07	1.6E-01	6.7E-01	2.7E-08
179	0.04	3.7E-08	9.6E-01	3.5E-04	1.0E-03	3.5E-07	1.6E-01	6.7E-01	3.7E-08
180	0.05	5.4E-08	1.4E+00	3.5E-04	1.0E-03	5.1E-07	1.6E-01	6.7E-01	5.4E-08
181	0.09	8.5E-08	2.2E+00	3.5E-04	1.0E-03	8.1E-07	1.6E-01	6.7E-01	8.5E-08
182	0.14	1.4E-07	3.7E+00	3.5E-04	1.0E-03	1.3E-06	1.6E-01	6.7E-01	1.4E-07
183	0.23	2.3E-07	6.0E+00	3.5E-04	1.0E-03	2.2E-06	1.6E-01	6.7E-01	2.3E-07
184	0.29	2.9E-07	7.5E+00	3.5E-04	1.0E-03	2.8E-06	1.6E-01	6.7E-01	2.9E-07
185	0.24	2.4E-07	6.3E+00	3.5E-04	1.0E-03	2.3E-06	1.6E-01	6.7E-01	2.4E-07
186	0.16	1.6E-07	4.2E+00	3.5E-04	1.0E-03	1.6E-06	1.6E-01	6.7E-01	1.6E-07
187	0.11	1.1E-07	2.9E+00	3.5E-04	1.0E-03	1.1E-06	1.6E-01	6.7E-01	1.1E-07
188	0.08	7.8E-08	2.0E+00	3.5E-04	1.0E-03	7.4E-07	1.6E-01	6.7E-01	7.7E-08
189	0.05	5.3E-08	1.4E+00	3.5E-04	1.0E-03	5.0E-07	1.6E-01	6.7E-01	5.3E-08
190	0.04	4.3E-08	1.1E+00	3.5E-04	1.0E-03	4.0E-07	1.6E-01	6.7E-01	4.2E-08
191	0.03	3.4E-08	8.7E-01	3.5E-04	1.0E-03	3.2E-07	1.6E-01	6.7E-01	3.4E-08
192	0.03	2.7E-08	7.0E-01	3.5E-04	1.0E-03	2.6E-07	1.6E-01	6.7E-01	2.7E-08
193	0.02	1.9E-08	4.9E-01	3.5E-04	1.0E-03	1.8E-07	1.6E-01	6.7E-01	1.9E-08
194	0.02	2.4E-08	6.2E-01	3.5E-04	1.0E-03	2.3E-07	1.6E-01	6.7E-01	2.4E-08
195	0.03	3.2E-08	8.2E-01	3.5E-04	1.0E-03	3.0E-07	1.6E-01	6.7E-01	3.2E-08
196	0.04	4.4E-08	1.1E+00	3.5E-04	1.0E-03	4.1E-07	1.6E-01	6.7E-01	4.3E-08
197	0.06	6.2E-08	1.6E+00	3.5E-04	1.0E-03	5.9E-07	1.6E-01	6.7E-01	6.2E-08
198	0.09	9.0E-08	2.3E+00	3.5E-04	1.0E-03	8.5E-07	1.6E-01	6.7E-01	9.0E-08
199	0.12	1.2E-07	3.2E+00	3.5E-04	1.0E-03	1.2E-06	1.6E-01	6.7E-01	1.2E-07
200	0.15	1.5E-07	3.8E+00	3.5E-04	1.0E-03	1.4E-06	1.6E-01	6.7E-01	1.5E-07
201	0.14	1.4E-07	3.6E+00	3.5E-04	1.0E-03	1.3E-06	1.6E-01	6.7E-01	1.4E-07
202	0.11	1.1E-07	2.8E+00	3.5E-04	1.0E-03	1.0E-06	1.6E-01	6.7E-01	1.1E-07
203	0.08	8.0E-08	2.1E+00	3.5E-04	1.0E-03	7.6E-07	1.6E-01	6.7E-01	7.9E-08
204	0.06	6.1E-08	1.6E+00	3.5E-04	1.0E-03	5.8E-07	1.6E-01	6.7E-01	6.0E-08
205	0.05	4.6E-08	1.2E+00	3.5E-04	1.0E-03	4.4E-07	1.6E-01	6.7E-01	4.6E-08
206	0.04	3.5E-08	9.0E-01	3.5E-04	1.0E-03	3.3E-07	1.6E-01	6.7E-01	3.5E-08
207	0.03	3.0E-08	7.7E-01	3.5E-04	1.0E-03	2.8E-07	1.6E-01	6.7E-01	3.0E-08
208	0.02	2.5E-08	6.3E-01	3.5E-04	1.0E-03	2.3E-07	1.6E-01	6.7E-01	2.4E-08
209	0.02	1.7E-08	4.4E-01	3.5E-04	1.0E-03	1.6E-07	1.6E-01	6.7E-01	1.7E-08
210	0.02	2.1E-08	5.4E-01	3.5E-04	1.0E-03	2.0E-07	1.6E-01	6.7E-01	2.1E-08
211	0.03	2.7E-08	6.9E-01	3.5E-04	1.0E-03	2.5E-07	1.6E-01	6.7E-01	2.7E-08
212	0.03	3.5E-08	9.0E-01	3.5E-04	1.0E-03	3.3E-07	1.6E-01	6.7E-01	3.5E-08
213	0.05	4.6E-08	1.2E+00	3.5E-04	1.0E-03	4.4E-07	1.6E-01	6.7E-01	4.6E-08
214	0.06	6.2E-08	1.6E+00	3.5E-04	1.0E-03	5.8E-07	1.6E-01	6.7E-01	6.1E-08
215	0.08	7.7E-08	2.0E+00	3.5E-04	1.0E-03	7.4E-07	1.6E-01	6.7E-01	7.7E-08

Franklin School Project
Risk From Modernization Const - Mitigated Residential

	1.35	Max					Onsite		
Receptor #	**Total/ Million**	**Total**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
216	0.09	8.7E-08	2.3E+00	3.5E-04	1.0E-03	8.3E-07	1.6E-01	6.7E-01	8.7E-08
217	0.09	8.7E-08	2.3E+00	3.5E-04	1.0E-03	8.3E-07	1.6E-01	6.7E-01	8.7E-08
218	0.08	7.7E-08	2.0E+00	3.5E-04	1.0E-03	7.3E-07	1.6E-01	6.7E-01	7.7E-08
219	0.06	6.5E-08	1.7E+00	3.5E-04	1.0E-03	6.1E-07	1.6E-01	6.7E-01	6.4E-08
220	0.05	5.3E-08	1.4E+00	3.5E-04	1.0E-03	5.0E-07	1.6E-01	6.7E-01	5.2E-08
221	0.04	4.2E-08	1.1E+00	3.5E-04	1.0E-03	4.0E-07	1.6E-01	6.7E-01	4.2E-08
222	0.03	3.1E-08	8.0E-01	3.5E-04	1.0E-03	2.9E-07	1.6E-01	6.7E-01	3.1E-08
223	0.03	2.5E-08	6.5E-01	3.5E-04	1.0E-03	2.4E-07	1.6E-01	6.7E-01	2.5E-08
224	0.02	2.2E-08	5.7E-01	3.5E-04	1.0E-03	2.1E-07	1.6E-01	6.7E-01	2.2E-08
225	0.02	1.5E-08	3.9E-01	3.5E-04	1.0E-03	1.4E-07	1.6E-01	6.7E-01	1.5E-08
226	0.02	1.8E-08	4.7E-01	3.5E-04	1.0E-03	1.7E-07	1.6E-01	6.7E-01	1.8E-08
227	0.02	2.2E-08	5.8E-01	3.5E-04	1.0E-03	2.1E-07	1.6E-01	6.7E-01	2.2E-08
228	0.03	2.8E-08	7.3E-01	3.5E-04	1.0E-03	2.7E-07	1.6E-01	6.7E-01	2.8E-08
229	0.04	3.6E-08	9.2E-01	3.5E-04	1.0E-03	3.4E-07	1.6E-01	6.7E-01	3.6E-08
230	0.04	4.5E-08	1.2E+00	3.5E-04	1.0E-03	4.2E-07	1.6E-01	6.7E-01	4.4E-08
231	0.05	5.3E-08	1.4E+00	3.5E-04	1.0E-03	5.1E-07	1.6E-01	6.7E-01	5.3E-08
232	0.06	5.9E-08	1.5E+00	3.5E-04	1.0E-03	5.6E-07	1.6E-01	6.7E-01	5.9E-08
233	0.06	6.1E-08	1.6E+00	3.5E-04	1.0E-03	5.8E-07	1.6E-01	6.7E-01	6.1E-08
234	0.06	5.7E-08	1.5E+00	3.5E-04	1.0E-03	5.4E-07	1.6E-01	6.7E-01	5.7E-08
235	0.05	5.0E-08	1.3E+00	3.5E-04	1.0E-03	4.8E-07	1.6E-01	6.7E-01	5.0E-08
236	0.04	4.3E-08	1.1E+00	3.5E-04	1.0E-03	4.1E-07	1.6E-01	6.7E-01	4.3E-08
237	0.04	3.6E-08	9.2E-01	3.5E-04	1.0E-03	3.4E-07	1.6E-01	6.7E-01	3.6E-08
238	0.03	2.9E-08	7.6E-01	3.5E-04	1.0E-03	2.8E-07	1.6E-01	6.7E-01	2.9E-08
239	0.02	2.3E-08	5.8E-01	3.5E-04	1.0E-03	2.1E-07	1.6E-01	6.7E-01	2.2E-08
240	0.02	1.9E-08	4.9E-01	3.5E-04	1.0E-03	1.8E-07	1.6E-01	6.7E-01	1.9E-08
241	0.01	1.3E-08	3.4E-01	3.5E-04	1.0E-03	1.2E-07	1.6E-01	6.7E-01	1.3E-08
242	0.02	1.6E-08	4.0E-01	3.5E-04	1.0E-03	1.5E-07	1.6E-01	6.7E-01	1.6E-08
243	0.02	1.9E-08	4.9E-01	3.5E-04	1.0E-03	1.8E-07	1.6E-01	6.7E-01	1.9E-08
244	0.02	2.3E-08	5.9E-01	3.5E-04	1.0E-03	2.2E-07	1.6E-01	6.7E-01	2.3E-08
245	0.03	2.8E-08	7.2E-01	3.5E-04	1.0E-03	2.7E-07	1.6E-01	6.7E-01	2.8E-08
246	0.03	3.4E-08	8.7E-01	3.5E-04	1.0E-03	3.2E-07	1.6E-01	6.7E-01	3.4E-08
247	0.04	3.9E-08	1.0E+00	3.5E-04	1.0E-03	3.7E-07	1.6E-01	6.7E-01	3.9E-08
248	0.04	4.3E-08	1.1E+00	3.5E-04	1.0E-03	4.1E-07	1.6E-01	6.7E-01	4.3E-08
249	0.04	4.4E-08	1.1E+00	3.5E-04	1.0E-03	4.2E-07	1.6E-01	6.7E-01	4.4E-08
250	0.04	4.3E-08	1.1E+00	3.5E-04	1.0E-03	4.1E-07	1.6E-01	6.7E-01	4.3E-08
251	0.04	3.9E-08	1.0E+00	3.5E-04	1.0E-03	3.7E-07	1.6E-01	6.7E-01	3.9E-08
252	0.04	3.5E-08	9.0E-01	3.5E-04	1.0E-03	3.3E-07	1.6E-01	6.7E-01	3.5E-08
253	0.03	3.0E-08	7.8E-01	3.5E-04	1.0E-03	2.9E-07	1.6E-01	6.7E-01	3.0E-08
254	0.03	2.6E-08	6.7E-01	3.5E-04	1.0E-03	2.5E-07	1.6E-01	6.7E-01	2.6E-08
255	0.02	2.2E-08	5.6E-01	3.5E-04	1.0E-03	2.0E-07	1.6E-01	6.7E-01	2.1E-08
256	0.02	1.7E-08	4.4E-01	3.5E-04	1.0E-03	1.6E-07	1.6E-01	6.7E-01	1.7E-08
257	0.01	1.2E-08	3.0E-01	3.5E-04	1.0E-03	1.1E-07	1.6E-01	6.7E-01	1.2E-08
258	0.01	1.4E-08	3.5E-01	3.5E-04	1.0E-03	1.3E-07	1.6E-01	6.7E-01	1.4E-08

Franklin School Project
Risk From Modernization Const - Mitigated Residential

	1.35	Max							
						Onsite			
Receptor #	**Total/ Million**	**Total**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
259	0.02	1.6E-08	4.1E-01	3.5E-04	1.0E-03	1.5E-07	1.6E-01	6.7E-01	1.6E-08
260	0.02	1.9E-08	4.9E-01	3.5E-04	1.0E-03	1.8E-07	1.6E-01	6.7E-01	1.9E-08
261	0.02	2.3E-08	5.8E-01	3.5E-04	1.0E-03	2.2E-07	1.6E-01	6.7E-01	2.3E-08
262	0.03	2.6E-08	6.8E-01	3.5E-04	1.0E-03	2.5E-07	1.6E-01	6.7E-01	2.6E-08
263	0.03	3.0E-08	7.7E-01	3.5E-04	1.0E-03	2.8E-07	1.6E-01	6.7E-01	3.0E-08
264	0.03	3.3E-08	8.4E-01	3.5E-04	1.0E-03	3.1E-07	1.6E-01	6.7E-01	3.2E-08
265	0.03	3.4E-08	8.7E-01	3.5E-04	1.0E-03	3.2E-07	1.6E-01	6.7E-01	3.4E-08
266	0.03	3.3E-08	8.6E-01	3.5E-04	1.0E-03	3.1E-07	1.6E-01	6.7E-01	3.3E-08
267	0.03	3.1E-08	8.1E-01	3.5E-04	1.0E-03	3.0E-07	1.6E-01	6.7E-01	3.1E-08
268	0.03	2.9E-08	7.4E-01	3.5E-04	1.0E-03	2.7E-07	1.6E-01	6.7E-01	2.9E-08
269	0.03	2.6E-08	6.6E-01	3.5E-04	1.0E-03	2.4E-07	1.6E-01	6.7E-01	2.6E-08
270	0.02	2.3E-08	5.8E-01	3.5E-04	1.0E-03	2.1E-07	1.6E-01	6.7E-01	2.3E-08
271	0.02	1.9E-08	5.0E-01	3.5E-04	1.0E-03	1.8E-07	1.6E-01	6.7E-01	1.9E-08
272	0.02	1.6E-08	4.1E-01	3.5E-04	1.0E-03	1.5E-07	1.6E-01	6.7E-01	1.6E-08
273	0.09	9.1E-08	2.2E+00	3.5E-04	1.0E-03	8.3E-07	1.6E-01	6.7E-01	8.7E-08
274	0.10	9.8E-08	2.4E+00	3.5E-04	1.0E-03	8.7E-07	1.6E-01	6.7E-01	9.2E-08
275	0.11	1.1E-07	2.5E+00	3.5E-04	1.0E-03	9.3E-07	1.6E-01	6.7E-01	9.7E-08
276	0.11	1.1E-07	2.7E+00	3.5E-04	1.0E-03	9.8E-07	1.6E-01	6.7E-01	1.0E-07
277	0.12	1.2E-07	2.8E+00	3.5E-04	1.0E-03	1.0E-06	1.6E-01	6.7E-01	1.1E-07
278	0.12	1.2E-07	3.0E+00	3.5E-04	1.0E-03	1.1E-06	1.6E-01	6.7E-01	1.1E-07
279	0.13	1.3E-07	3.1E+00	3.5E-04	1.0E-03	1.1E-06	1.6E-01	6.7E-01	1.2E-07
280	0.14	1.4E-07	3.3E+00	3.5E-04	1.0E-03	1.2E-06	1.6E-01	6.7E-01	1.3E-07
281	0.14	1.4E-07	3.4E+00	3.5E-04	1.0E-03	1.3E-06	1.6E-01	6.7E-01	1.3E-07
282	0.15	1.5E-07	3.6E+00	3.5E-04	1.0E-03	1.3E-06	1.6E-01	6.7E-01	1.4E-07
283	0.15	1.5E-07	3.8E+00	3.5E-04	1.0E-03	1.4E-06	1.6E-01	6.7E-01	1.5E-07
284	0.16	1.6E-07	3.9E+00	3.5E-04	1.0E-03	1.4E-06	1.6E-01	6.7E-01	1.5E-07
285	0.16	1.6E-07	4.1E+00	3.5E-04	1.0E-03	1.5E-06	1.6E-01	6.7E-01	1.6E-07
286	0.17	1.7E-07	4.2E+00	3.5E-04	1.0E-03	1.5E-06	1.6E-01	6.7E-01	1.6E-07
287	0.17	1.7E-07	4.3E+00	3.5E-04	1.0E-03	1.6E-06	1.6E-01	6.7E-01	1.7E-07
288	0.17	1.7E-07	4.4E+00	3.5E-04	1.0E-03	1.6E-06	1.6E-01	6.7E-01	1.7E-07
289	0.17	1.7E-07	4.4E+00	3.5E-04	1.0E-03	1.6E-06	1.6E-01	6.7E-01	1.7E-07
290	0.17	1.7E-07	4.4E+00	3.5E-04	1.0E-03	1.6E-06	1.6E-01	6.7E-01	1.7E-07
291	0.17	1.7E-07	4.3E+00	3.5E-04	1.0E-03	1.6E-06	1.6E-01	6.7E-01	1.7E-07
292	0.17	1.7E-07	4.3E+00	3.5E-04	1.0E-03	1.6E-06	1.6E-01	6.7E-01	1.7E-07
293	0.16	1.6E-07	4.2E+00	3.5E-04	1.0E-03	1.5E-06	1.6E-01	6.7E-01	1.6E-07
294	0.16	1.6E-07	4.1E+00	3.5E-04	1.0E-03	1.5E-06	1.6E-01	6.7E-01	1.6E-07
295	0.16	1.6E-07	4.0E+00	3.5E-04	1.0E-03	1.5E-06	1.6E-01	6.7E-01	1.5E-07
296	0.15	1.5E-07	3.9E+00	3.5E-04	1.0E-03	1.4E-06	1.6E-01	6.7E-01	1.5E-07
297	0.15	1.5E-07	3.7E+00	3.5E-04	1.0E-03	1.4E-06	1.6E-01	6.7E-01	1.4E-07
298	0.14	1.4E-07	3.6E+00	3.5E-04	1.0E-03	1.3E-06	1.6E-01	6.7E-01	1.4E-07
299	0.10	1.0E-07	2.5E+00	3.5E-04	1.0E-03	9.2E-07	1.6E-01	6.7E-01	9.6E-08
300	0.11	1.1E-07	2.7E+00	3.5E-04	1.0E-03	9.8E-07	1.6E-01	6.7E-01	1.0E-07
301	0.12	1.2E-07	2.8E+00	3.5E-04	1.0E-03	1.0E-06	1.6E-01	6.7E-01	1.1E-07

Franklin School Project
Risk From Modernization Const - Mitigated Residential

	1.35	Max					Onsite		
Receptor #	**Total/ Million**	**Total**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
302	0.13	1.3E-07	3.0E+00	3.5E-04	1.0E-03	1.1E-06	1.6E-01	6.7E-01	1.2E-07
303	0.13	1.3E-07	3.2E+00	3.5E-04	1.0E-03	1.2E-06	1.6E-01	6.7E-01	1.2E-07
304	0.14	1.4E-07	3.4E+00	3.5E-04	1.0E-03	1.2E-06	1.6E-01	6.7E-01	1.3E-07
305	0.14	1.4E-07	3.6E+00	3.5E-04	1.0E-03	1.3E-06	1.6E-01	6.7E-01	1.4E-07
306	0.15	1.5E-07	3.8E+00	3.5E-04	1.0E-03	1.4E-06	1.6E-01	6.7E-01	1.5E-07
307	0.16	1.6E-07	4.0E+00	3.5E-04	1.0E-03	1.5E-06	1.6E-01	6.7E-01	1.5E-07
308	0.17	1.7E-07	4.2E+00	3.5E-04	1.0E-03	1.5E-06	1.6E-01	6.7E-01	1.6E-07
309	0.18	1.8E-07	4.4E+00	3.5E-04	1.0E-03	1.6E-06	1.6E-01	6.7E-01	1.7E-07
310	0.19	1.9E-07	4.6E+00	3.5E-04	1.0E-03	1.7E-06	1.6E-01	6.7E-01	1.8E-07
311	0.19	1.9E-07	4.8E+00	3.5E-04	1.0E-03	1.7E-06	1.6E-01	6.7E-01	1.8E-07
312	0.19	1.9E-07	4.9E+00	3.5E-04	1.0E-03	1.8E-06	1.6E-01	6.7E-01	1.9E-07
313	0.20	2.0E-07	5.0E+00	3.5E-04	1.0E-03	1.8E-06	1.6E-01	6.7E-01	1.9E-07
314	0.20	2.0E-07	5.0E+00	3.5E-04	1.0E-03	1.8E-06	1.6E-01	6.7E-01	1.9E-07
315	0.20	2.0E-07	5.0E+00	3.5E-04	1.0E-03	1.8E-06	1.6E-01	6.7E-01	1.9E-07
316	0.19	1.9E-07	5.0E+00	3.5E-04	1.0E-03	1.8E-06	1.6E-01	6.7E-01	1.9E-07
317	0.19	1.9E-07	4.9E+00	3.5E-04	1.0E-03	1.8E-06	1.6E-01	6.7E-01	1.9E-07
318	0.19	1.9E-07	4.8E+00	3.5E-04	1.0E-03	1.8E-06	1.6E-01	6.7E-01	1.8E-07
319	0.18	1.8E-07	4.6E+00	3.5E-04	1.0E-03	1.7E-06	1.6E-01	6.7E-01	1.8E-07
320	0.18	1.8E-07	4.5E+00	3.5E-04	1.0E-03	1.7E-06	1.6E-01	6.7E-01	1.7E-07
321	0.17	1.7E-07	4.4E+00	3.5E-04	1.0E-03	1.6E-06	1.6E-01	6.7E-01	1.7E-07
322	0.16	1.6E-07	4.2E+00	3.5E-04	1.0E-03	1.5E-06	1.6E-01	6.7E-01	1.6E-07
323	0.16	1.6E-07	4.0E+00	3.5E-04	1.0E-03	1.5E-06	1.6E-01	6.7E-01	1.6E-07
324	0.15	1.5E-07	3.9E+00	3.5E-04	1.0E-03	1.4E-06	1.6E-01	6.7E-01	1.5E-07
325	0.11	1.1E-07	2.8E+00	3.5E-04	1.0E-03	1.0E-06	1.6E-01	6.7E-01	1.1E-07
326	0.12	1.2E-07	3.0E+00	3.5E-04	1.0E-03	1.1E-06	1.6E-01	6.7E-01	1.2E-07
327	0.13	1.3E-07	3.2E+00	3.5E-04	1.0E-03	1.2E-06	1.6E-01	6.7E-01	1.2E-07
328	0.14	1.4E-07	3.4E+00	3.5E-04	1.0E-03	1.3E-06	1.6E-01	6.7E-01	1.3E-07
329	0.15	1.5E-07	3.7E+00	3.5E-04	1.0E-03	1.4E-06	1.6E-01	6.7E-01	1.4E-07
330	0.16	1.6E-07	3.9E+00	3.5E-04	1.0E-03	1.4E-06	1.6E-01	6.7E-01	1.5E-07
331	0.17	1.7E-07	4.2E+00	3.5E-04	1.0E-03	1.5E-06	1.6E-01	6.7E-01	1.6E-07
332	0.17	1.7E-07	4.4E+00	3.5E-04	1.0E-03	1.6E-06	1.6E-01	6.7E-01	1.7E-07
333	0.19	1.9E-07	4.7E+00	3.5E-04	1.0E-03	1.7E-06	1.6E-01	6.7E-01	1.8E-07
334	0.20	2.0E-07	4.9E+00	3.5E-04	1.0E-03	1.8E-06	1.6E-01	6.7E-01	1.9E-07
335	0.21	2.1E-07	5.2E+00	3.5E-04	1.0E-03	1.9E-06	1.6E-01	6.7E-01	2.0E-07
336	0.21	2.1E-07	5.4E+00	3.5E-04	1.0E-03	2.0E-06	1.6E-01	6.7E-01	2.1E-07
337	0.22	2.2E-07	5.6E+00	3.5E-04	1.0E-03	2.1E-06	1.6E-01	6.7E-01	2.2E-07
338	0.23	2.3E-07	5.7E+00	3.5E-04	1.0E-03	2.1E-06	1.6E-01	6.7E-01	2.2E-07
339	0.23	2.3E-07	5.8E+00	3.5E-04	1.0E-03	2.1E-06	1.6E-01	6.7E-01	2.2E-07
340	0.23	2.3E-07	5.8E+00	3.5E-04	1.0E-03	2.1E-06	1.6E-01	6.7E-01	2.2E-07
341	0.23	2.3E-07	5.7E+00	3.5E-04	1.0E-03	2.1E-06	1.6E-01	6.7E-01	2.2E-07
342	0.22	2.2E-07	5.6E+00	3.5E-04	1.0E-03	2.1E-06	1.6E-01	6.7E-01	2.2E-07
343	0.21	2.1E-07	5.5E+00	3.5E-04	1.0E-03	2.0E-06	1.6E-01	6.7E-01	2.1E-07
344	0.21	2.1E-07	5.3E+00	3.5E-04	1.0E-03	2.0E-06	1.6E-01	6.7E-01	2.1E-07

Franklin School Project
Risk From Modernization Const - Mitigated Residential

	1.35	Max					Onsite		
Receptor #	**Total/ Million**	**Total**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
345	0.20	2.0E-07	5.1E+00	3.5E-04	1.0E-03	1.9E-06	1.6E-01	6.7E-01	2.0E-07
346	0.19	1.9E-07	4.9E+00	3.5E-04	1.0E-03	1.8E-06	1.6E-01	6.7E-01	1.9E-07
347	0.18	1.8E-07	4.8E+00	3.5E-04	1.0E-03	1.7E-06	1.6E-01	6.7E-01	1.8E-07
348	0.18	1.8E-07	4.6E+00	3.5E-04	1.0E-03	1.7E-06	1.6E-01	6.7E-01	1.8E-07
349	0.17	1.7E-07	4.4E+00	3.5E-04	1.0E-03	1.6E-06	1.6E-01	6.7E-01	1.7E-07
350	0.16	1.6E-07	4.2E+00	3.5E-04	1.0E-03	1.5E-06	1.6E-01	6.7E-01	1.6E-07
351	0.12	1.2E-07	3.1E+00	3.5E-04	1.0E-03	1.1E-06	1.6E-01	6.7E-01	1.2E-07
352	0.14	1.4E-07	3.4E+00	3.5E-04	1.0E-03	1.2E-06	1.6E-01	6.7E-01	1.3E-07
353	0.15	1.5E-07	3.7E+00	3.5E-04	1.0E-03	1.4E-06	1.6E-01	6.7E-01	1.4E-07
354	0.16	1.6E-07	4.0E+00	3.5E-04	1.0E-03	1.5E-06	1.6E-01	6.7E-01	1.5E-07
355	0.17	1.7E-07	4.3E+00	3.5E-04	1.0E-03	1.6E-06	1.6E-01	6.7E-01	1.7E-07
356	0.18	1.8E-07	4.6E+00	3.5E-04	1.0E-03	1.7E-06	1.6E-01	6.7E-01	1.8E-07
357	0.19	1.9E-07	4.9E+00	3.5E-04	1.0E-03	1.8E-06	1.6E-01	6.7E-01	1.9E-07
358	0.21	2.1E-07	5.2E+00	3.5E-04	1.0E-03	1.9E-06	1.6E-01	6.7E-01	2.0E-07
359	0.22	2.2E-07	5.6E+00	3.5E-04	1.0E-03	2.1E-06	1.6E-01	6.7E-01	2.2E-07
360	0.24	2.4E-07	5.9E+00	3.5E-04	1.0E-03	2.2E-06	1.6E-01	6.7E-01	2.3E-07
361	0.25	2.5E-07	6.2E+00	3.5E-04	1.0E-03	2.3E-06	1.6E-01	6.7E-01	2.4E-07
362	0.26	2.6E-07	6.5E+00	3.5E-04	1.0E-03	2.4E-06	1.6E-01	6.7E-01	2.5E-07
363	0.27	2.7E-07	6.7E+00	3.5E-04	1.0E-03	2.5E-06	1.6E-01	6.7E-01	2.6E-07
364	0.27	2.7E-07	6.8E+00	3.5E-04	1.0E-03	2.5E-06	1.6E-01	6.7E-01	2.6E-07
365	0.27	2.7E-07	6.8E+00	3.5E-04	1.0E-03	2.5E-06	1.6E-01	6.7E-01	2.6E-07
366	0.26	2.6E-07	6.7E+00	3.5E-04	1.0E-03	2.5E-06	1.6E-01	6.7E-01	2.6E-07
367	0.26	2.6E-07	6.6E+00	3.5E-04	1.0E-03	2.4E-06	1.6E-01	6.7E-01	2.5E-07
368	0.25	2.5E-07	6.4E+00	3.5E-04	1.0E-03	2.4E-06	1.6E-01	6.7E-01	2.5E-07
369	0.24	2.4E-07	6.2E+00	3.5E-04	1.0E-03	2.3E-06	1.6E-01	6.7E-01	2.4E-07
370	0.23	2.3E-07	5.9E+00	3.5E-04	1.0E-03	2.2E-06	1.6E-01	6.7E-01	2.3E-07
371	0.22	2.2E-07	5.7E+00	3.5E-04	1.0E-03	2.1E-06	1.6E-01	6.7E-01	2.2E-07
372	0.21	2.1E-07	5.4E+00	3.5E-04	1.0E-03	2.0E-06	1.6E-01	6.7E-01	2.1E-07
373	0.20	2.0E-07	5.2E+00	3.5E-04	1.0E-03	1.9E-06	1.6E-01	6.7E-01	2.0E-07
374	0.19	1.9E-07	4.9E+00	3.5E-04	1.0E-03	1.8E-06	1.6E-01	6.7E-01	1.9E-07
375	0.18	1.8E-07	4.7E+00	3.5E-04	1.0E-03	1.7E-06	1.6E-01	6.7E-01	1.8E-07
376	0.17	1.7E-07	4.4E+00	3.5E-04	1.0E-03	1.6E-06	1.6E-01	6.7E-01	1.7E-07
377	0.14	1.4E-07	3.5E+00	3.5E-04	1.0E-03	1.3E-06	1.6E-01	6.7E-01	1.4E-07
378	0.15	1.5E-07	3.9E+00	3.5E-04	1.0E-03	1.4E-06	1.6E-01	6.7E-01	1.5E-07
379	0.17	1.7E-07	4.2E+00	3.5E-04	1.0E-03	1.6E-06	1.6E-01	6.7E-01	1.6E-07
380	0.18	1.8E-07	4.6E+00	3.5E-04	1.0E-03	1.7E-06	1.6E-01	6.7E-01	1.8E-07
381	0.20	2.0E-07	5.1E+00	3.5E-04	1.0E-03	1.9E-06	1.6E-01	6.7E-01	2.0E-07
382	0.29	2.9E-07	7.6E+00	3.5E-04	1.0E-03	2.8E-06	1.6E-01	6.7E-01	2.9E-07
383	0.28	2.8E-07	7.3E+00	3.5E-04	1.0E-03	2.7E-06	1.6E-01	6.7E-01	2.8E-07
384	0.27	2.7E-07	6.9E+00	3.5E-04	1.0E-03	2.5E-06	1.6E-01	6.7E-01	2.7E-07
385	0.26	2.6E-07	6.6E+00	3.5E-04	1.0E-03	2.4E-06	1.6E-01	6.7E-01	2.5E-07
386	0.24	2.4E-07	6.2E+00	3.5E-04	1.0E-03	2.3E-06	1.6E-01	6.7E-01	2.4E-07
387	0.23	2.3E-07	5.9E+00	3.5E-04	1.0E-03	2.2E-06	1.6E-01	6.7E-01	2.3E-07

Franklin School Project
Risk From Modernization Const - Mitigated Residential

	1.35	Max					Onsite		
Receptor #	**Total/ Million**	**Total**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
388	0.22	2.2E-07	5.6E+00	3.5E-04	1.0E-03	2.1E-06	1.6E-01	6.7E-01	2.2E-07
389	0.21	2.1E-07	5.3E+00	3.5E-04	1.0E-03	1.9E-06	1.6E-01	6.7E-01	2.0E-07
390	0.19	1.9E-07	5.0E+00	3.5E-04	1.0E-03	1.8E-06	1.6E-01	6.7E-01	1.9E-07
391	0.18	1.8E-07	4.7E+00	3.5E-04	1.0E-03	1.7E-06	1.6E-01	6.7E-01	1.8E-07
392	0.16	1.6E-07	4.0E+00	3.5E-04	1.0E-03	1.5E-06	1.6E-01	6.7E-01	1.5E-07
393	0.18	1.8E-07	4.4E+00	3.5E-04	1.0E-03	1.6E-06	1.6E-01	6.7E-01	1.7E-07
394	0.20	2.0E-07	4.9E+00	3.5E-04	1.0E-03	1.8E-06	1.6E-01	6.7E-01	1.9E-07
395	0.22	2.2E-07	5.5E+00	3.5E-04	1.0E-03	2.0E-06	1.6E-01	6.7E-01	2.1E-07
396	0.24	2.4E-07	6.1E+00	3.5E-04	1.0E-03	2.2E-06	1.6E-01	6.7E-01	2.3E-07
397	0.34	3.4E-07	8.7E+00	3.5E-04	1.0E-03	3.2E-06	1.6E-01	6.7E-01	3.3E-07
398	0.32	3.2E-07	8.2E+00	3.5E-04	1.0E-03	3.0E-06	1.6E-01	6.7E-01	3.2E-07
399	0.30	3.0E-07	7.7E+00	3.5E-04	1.0E-03	2.8E-06	1.6E-01	6.7E-01	3.0E-07
400	0.28	2.8E-07	7.3E+00	3.5E-04	1.0E-03	2.7E-06	1.6E-01	6.7E-01	2.8E-07
401	0.27	2.7E-07	6.8E+00	3.5E-04	1.0E-03	2.5E-06	1.6E-01	6.7E-01	2.6E-07
402	0.25	2.5E-07	6.4E+00	3.5E-04	1.0E-03	2.4E-06	1.6E-01	6.7E-01	2.5E-07
403	0.23	2.3E-07	6.0E+00	3.5E-04	1.0E-03	2.2E-06	1.6E-01	6.7E-01	2.3E-07
404	0.22	2.2E-07	5.6E+00	3.5E-04	1.0E-03	2.1E-06	1.6E-01	6.7E-01	2.2E-07
405	0.21	2.1E-07	5.3E+00	3.5E-04	1.0E-03	1.9E-06	1.6E-01	6.7E-01	2.0E-07
406	0.19	1.9E-07	5.0E+00	3.5E-04	1.0E-03	1.8E-06	1.6E-01	6.7E-01	1.9E-07
407	0.18	1.8E-07	4.5E+00	3.5E-04	1.0E-03	1.6E-06	1.6E-01	6.7E-01	1.7E-07
408	0.20	2.0E-07	5.0E+00	3.5E-04	1.0E-03	1.9E-06	1.6E-01	6.7E-01	1.9E-07
409	0.23	2.3E-07	5.7E+00	3.5E-04	1.0E-03	2.1E-06	1.6E-01	6.7E-01	2.2E-07
410	0.26	2.6E-07	6.5E+00	3.5E-04	1.0E-03	2.4E-06	1.6E-01	6.7E-01	2.5E-07
411	0.29	2.9E-07	7.3E+00	3.5E-04	1.0E-03	2.7E-06	1.6E-01	6.7E-01	2.8E-07
412	0.38	3.8E-07	9.9E+00	3.5E-04	1.0E-03	3.6E-06	1.6E-01	6.7E-01	3.8E-07
413	0.36	3.6E-07	9.2E+00	3.5E-04	1.0E-03	3.4E-06	1.6E-01	6.7E-01	3.6E-07
414	0.33	3.3E-07	8.6E+00	3.5E-04	1.0E-03	3.2E-06	1.6E-01	6.7E-01	3.3E-07
415	0.31	3.1E-07	8.0E+00	3.5E-04	1.0E-03	2.9E-06	1.6E-01	6.7E-01	3.1E-07
416	0.29	2.9E-07	7.4E+00	3.5E-04	1.0E-03	2.7E-06	1.6E-01	6.7E-01	2.9E-07
417	0.27	2.7E-07	6.9E+00	3.5E-04	1.0E-03	2.5E-06	1.6E-01	6.7E-01	2.7E-07
418	0.25	2.5E-07	6.4E+00	3.5E-04	1.0E-03	2.4E-06	1.6E-01	6.7E-01	2.5E-07
419	0.23	2.3E-07	6.0E+00	3.5E-04	1.0E-03	2.2E-06	1.6E-01	6.7E-01	2.3E-07
420	0.22	2.2E-07	5.6E+00	3.5E-04	1.0E-03	2.1E-06	1.6E-01	6.7E-01	2.2E-07
421	0.20	2.0E-07	5.2E+00	3.5E-04	1.0E-03	1.9E-06	1.6E-01	6.7E-01	2.0E-07
422	0.20	2.0E-07	5.1E+00	3.5E-04	1.0E-03	1.9E-06	1.6E-01	6.7E-01	2.0E-07
423	0.23	2.3E-07	5.8E+00	3.5E-04	1.0E-03	2.1E-06	1.6E-01	6.7E-01	2.2E-07
424	0.26	2.6E-07	6.7E+00	3.5E-04	1.0E-03	2.5E-06	1.6E-01	6.7E-01	2.6E-07
425	0.30	3.0E-07	7.7E+00	3.5E-04	1.0E-03	2.8E-06	1.6E-01	6.7E-01	3.0E-07
426	0.35	3.5E-07	9.0E+00	3.5E-04	1.0E-03	3.3E-06	1.6E-01	6.7E-01	3.5E-07
427	0.43	4.3E-07	1.1E+01	3.5E-04	1.0E-03	4.1E-06	1.6E-01	6.7E-01	4.3E-07
428	0.40	4.0E-07	1.0E+01	3.5E-04	1.0E-03	3.8E-06	1.6E-01	6.7E-01	4.0E-07
429	0.37	3.7E-07	9.5E+00	3.5E-04	1.0E-03	3.5E-06	1.6E-01	6.7E-01	3.7E-07
430	0.34	3.4E-07	8.7E+00	3.5E-04	1.0E-03	3.2E-06	1.6E-01	6.7E-01	3.4E-07

Franklin School Project
Risk From Modernization Const - Mitigated Residential

	1.35	Max							
						Onsite			
Receptor #	**Total/ Million**	**Total**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
431	0.31	3.1E-07	8.1E+00	3.5E-04	1.0E-03	3.0E-06	1.6E-01	6.7E-01	3.1E-07
432	0.29	2.9E-07	7.4E+00	3.5E-04	1.0E-03	2.7E-06	1.6E-01	6.7E-01	2.9E-07
433	0.27	2.7E-07	6.9E+00	3.5E-04	1.0E-03	2.5E-06	1.6E-01	6.7E-01	2.6E-07
434	0.25	2.5E-07	6.3E+00	3.5E-04	1.0E-03	2.3E-06	1.6E-01	6.7E-01	2.4E-07
435	0.23	2.3E-07	5.9E+00	3.5E-04	1.0E-03	2.2E-06	1.6E-01	6.7E-01	2.3E-07
436	0.21	2.1E-07	5.4E+00	3.5E-04	1.0E-03	2.0E-06	1.6E-01	6.7E-01	2.1E-07
437	0.22	2.2E-07	5.7E+00	3.5E-04	1.0E-03	2.1E-06	1.6E-01	6.7E-01	2.2E-07
438	0.26	2.6E-07	6.6E+00	3.5E-04	1.0E-03	2.4E-06	1.6E-01	6.7E-01	2.6E-07
439	0.31	3.1E-07	7.8E+00	3.5E-04	1.0E-03	2.9E-06	1.6E-01	6.7E-01	3.0E-07
440	0.36	3.6E-07	9.3E+00	3.5E-04	1.0E-03	3.4E-06	1.6E-01	6.7E-01	3.6E-07
441	0.44	4.4E-07	1.1E+01	3.5E-04	1.0E-03	4.2E-06	1.6E-01	6.7E-01	4.4E-07
442	0.49	4.9E-07	1.3E+01	3.5E-04	1.0E-03	4.6E-06	1.6E-01	6.7E-01	4.8E-07
443	0.44	4.4E-07	1.1E+01	3.5E-04	1.0E-03	4.2E-06	1.6E-01	6.7E-01	4.4E-07
444	0.40	4.0E-07	1.0E+01	3.5E-04	1.0E-03	3.8E-06	1.6E-01	6.7E-01	4.0E-07
445	0.37	3.7E-07	9.5E+00	3.5E-04	1.0E-03	3.5E-06	1.6E-01	6.7E-01	3.7E-07
446	0.33	3.3E-07	8.6E+00	3.5E-04	1.0E-03	3.2E-06	1.6E-01	6.7E-01	3.3E-07
447	0.31	3.1E-07	7.9E+00	3.5E-04	1.0E-03	2.9E-06	1.6E-01	6.7E-01	3.1E-07
448	0.28	2.8E-07	7.2E+00	3.5E-04	1.0E-03	2.7E-06	1.6E-01	6.7E-01	2.8E-07
449	0.26	2.6E-07	6.6E+00	3.5E-04	1.0E-03	2.4E-06	1.6E-01	6.7E-01	2.6E-07
450	0.24	2.4E-07	6.1E+00	3.5E-04	1.0E-03	2.2E-06	1.6E-01	6.7E-01	2.4E-07
451	0.22	2.2E-07	5.6E+00	3.5E-04	1.0E-03	2.1E-06	1.6E-01	6.7E-01	2.2E-07
452	0.25	2.5E-07	6.4E+00	3.5E-04	1.0E-03	2.3E-06	1.6E-01	6.7E-01	2.5E-07
453	0.29	2.9E-07	7.5E+00	3.5E-04	1.0E-03	2.8E-06	1.6E-01	6.7E-01	2.9E-07
454	0.36	3.6E-07	9.2E+00	3.5E-04	1.0E-03	3.4E-06	1.6E-01	6.7E-01	3.5E-07
455	0.44	4.4E-07	1.1E+01	3.5E-04	1.0E-03	4.1E-06	1.6E-01	6.7E-01	4.3E-07
456	0.56	5.6E-07	1.4E+01	3.5E-04	1.0E-03	5.3E-06	1.6E-01	6.7E-01	5.5E-07
457	0.54	5.4E-07	1.4E+01	3.5E-04	1.0E-03	5.1E-06	1.6E-01	6.7E-01	5.3E-07
458	0.48	4.8E-07	1.2E+01	3.5E-04	1.0E-03	4.6E-06	1.6E-01	6.7E-01	4.8E-07
459	0.43	4.3E-07	1.1E+01	3.5E-04	1.0E-03	4.1E-06	1.6E-01	6.7E-01	4.3E-07
460	0.39	3.9E-07	1.0E+01	3.5E-04	1.0E-03	3.7E-06	1.6E-01	6.7E-01	3.9E-07
461	0.36	3.6E-07	9.2E+00	3.5E-04	1.0E-03	3.4E-06	1.6E-01	6.7E-01	3.5E-07
462	0.32	3.2E-07	8.3E+00	3.5E-04	1.0E-03	3.1E-06	1.6E-01	6.7E-01	3.2E-07
463	0.29	2.9E-07	7.6E+00	3.5E-04	1.0E-03	2.8E-06	1.6E-01	6.7E-01	2.9E-07
464	0.27	2.7E-07	6.9E+00	3.5E-04	1.0E-03	2.5E-06	1.6E-01	6.7E-01	2.7E-07
465	0.25	2.5E-07	6.3E+00	3.5E-04	1.0E-03	2.3E-06	1.6E-01	6.7E-01	2.4E-07
466	0.22	2.2E-07	5.8E+00	3.5E-04	1.0E-03	2.1E-06	1.6E-01	6.7E-01	2.2E-07
467	0.27	2.7E-07	7.0E+00	3.5E-04	1.0E-03	2.6E-06	1.6E-01	6.7E-01	2.7E-07
468	0.33	3.3E-07	8.4E+00	3.5E-04	1.0E-03	3.1E-06	1.6E-01	6.7E-01	3.3E-07
469	0.40	4.0E-07	1.0E+01	3.5E-04	1.0E-03	3.8E-06	1.6E-01	6.7E-01	4.0E-07
470	0.52	5.2E-07	1.3E+01	3.5E-04	1.0E-03	4.9E-06	1.6E-01	6.7E-01	5.1E-07
471	0.70	7.0E-07	1.8E+01	3.5E-04	1.0E-03	6.6E-06	1.6E-01	6.7E-01	7.0E-07
472	0.58	5.8E-07	1.5E+01	3.5E-04	1.0E-03	5.6E-06	1.6E-01	6.7E-01	5.8E-07
473	0.52	5.2E-07	1.3E+01	3.5E-04	1.0E-03	4.9E-06	1.6E-01	6.7E-01	5.2E-07

Franklin School Project
Risk From Modernization Const - Mitigated Residential

	1.35	Max					Onsite		
Receptor #	**Total/ Million**	**Total**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
474	0.46	4.6E-07	1.2E+01	3.5E-04	1.0E-03	4.4E-06	1.6E-01	6.7E-01	4.6E-07
475	0.42	4.2E-07	1.1E+01	3.5E-04	1.0E-03	3.9E-06	1.6E-01	6.7E-01	4.1E-07
476	0.37	3.7E-07	9.6E+00	3.5E-04	1.0E-03	3.5E-06	1.6E-01	6.7E-01	3.7E-07
477	0.34	3.4E-07	8.7E+00	3.5E-04	1.0E-03	3.2E-06	1.6E-01	6.7E-01	3.4E-07
478	0.31	3.1E-07	7.9E+00	3.5E-04	1.0E-03	2.9E-06	1.6E-01	6.7E-01	3.0E-07
479	0.28	2.8E-07	7.2E+00	3.5E-04	1.0E-03	2.6E-06	1.6E-01	6.7E-01	2.8E-07
480	0.25	2.5E-07	6.5E+00	3.5E-04	1.0E-03	2.4E-06	1.6E-01	6.7E-01	2.5E-07
481	0.23	2.3E-07	5.9E+00	3.5E-04	1.0E-03	2.2E-06	1.6E-01	6.7E-01	2.3E-07
482	0.29	2.9E-07	7.6E+00	3.5E-04	1.0E-03	2.8E-06	1.6E-01	6.7E-01	2.9E-07
483	0.36	3.6E-07	9.3E+00	3.5E-04	1.0E-03	3.4E-06	1.6E-01	6.7E-01	3.6E-07
484	0.45	4.5E-07	1.2E+01	3.5E-04	1.0E-03	4.3E-06	1.6E-01	6.7E-01	4.5E-07
485	0.60	6.0E-07	1.6E+01	3.5E-04	1.0E-03	5.7E-06	1.6E-01	6.7E-01	6.0E-07
486	0.85	8.5E-07	2.2E+01	3.5E-04	1.0E-03	8.1E-06	1.6E-01	6.7E-01	8.5E-07
487	0.63	6.3E-07	1.6E+01	3.5E-04	1.0E-03	6.0E-06	1.6E-01	6.7E-01	6.3E-07
488	0.55	5.5E-07	1.4E+01	3.5E-04	1.0E-03	5.3E-06	1.6E-01	6.7E-01	5.5E-07
489	0.49	4.9E-07	1.3E+01	3.5E-04	1.0E-03	4.7E-06	1.6E-01	6.7E-01	4.9E-07
490	0.44	4.4E-07	1.1E+01	3.5E-04	1.0E-03	4.1E-06	1.6E-01	6.7E-01	4.3E-07
491	0.39	3.9E-07	1.0E+01	3.5E-04	1.0E-03	3.7E-06	1.6E-01	6.7E-01	3.9E-07
492	0.35	3.5E-07	9.0E+00	3.5E-04	1.0E-03	3.3E-06	1.6E-01	6.7E-01	3.5E-07
493	0.31	3.1E-07	8.1E+00	3.5E-04	1.0E-03	3.0E-06	1.6E-01	6.7E-01	3.1E-07
494	0.28	2.8E-07	7.3E+00	3.5E-04	1.0E-03	2.7E-06	1.6E-01	6.7E-01	2.8E-07
495	0.26	2.6E-07	6.7E+00	3.5E-04	1.0E-03	2.4E-06	1.6E-01	6.7E-01	2.6E-07
496	0.23	2.3E-07	6.0E+00	3.5E-04	1.0E-03	2.2E-06	1.6E-01	6.7E-01	2.3E-07
497	0.32	3.2E-07	8.2E+00	3.5E-04	1.0E-03	3.0E-06	1.6E-01	6.7E-01	3.2E-07
498	0.40	4.0E-07	1.0E+01	3.5E-04	1.0E-03	3.8E-06	1.6E-01	6.7E-01	3.9E-07
499	0.51	5.1E-07	1.3E+01	3.5E-04	1.0E-03	4.9E-06	1.6E-01	6.7E-01	5.1E-07
500	0.70	7.0E-07	1.8E+01	3.5E-04	1.0E-03	6.6E-06	1.6E-01	6.7E-01	6.9E-07
501	1.00	1.0E-06	2.6E+01	3.5E-04	1.0E-03	9.5E-06	1.6E-01	6.7E-01	9.9E-07
502	0.67	6.7E-07	1.7E+01	3.5E-04	1.0E-03	6.3E-06	1.6E-01	6.7E-01	6.7E-07
503	0.58	5.8E-07	1.5E+01	3.5E-04	1.0E-03	5.5E-06	1.6E-01	6.7E-01	5.8E-07
504	0.51	5.1E-07	1.3E+01	3.5E-04	1.0E-03	4.9E-06	1.6E-01	6.7E-01	5.1E-07
505	0.45	4.5E-07	1.2E+01	3.5E-04	1.0E-03	4.3E-06	1.6E-01	6.7E-01	4.5E-07
506	0.40	4.0E-07	1.0E+01	3.5E-04	1.0E-03	3.8E-06	1.6E-01	6.7E-01	4.0E-07
507	0.36	3.6E-07	9.2E+00	3.5E-04	1.0E-03	3.4E-06	1.6E-01	6.7E-01	3.6E-07
508	0.32	3.2E-07	8.3E+00	3.5E-04	1.0E-03	3.0E-06	1.6E-01	6.7E-01	3.2E-07
509	0.29	2.9E-07	7.5E+00	3.5E-04	1.0E-03	2.7E-06	1.6E-01	6.7E-01	2.9E-07
510	0.26	2.6E-07	6.7E+00	3.5E-04	1.0E-03	2.5E-06	1.6E-01	6.7E-01	2.6E-07
511	0.24	2.4E-07	6.1E+00	3.5E-04	1.0E-03	2.2E-06	1.6E-01	6.7E-01	2.4E-07
512	0.34	3.4E-07	8.7E+00	3.5E-04	1.0E-03	3.2E-06	1.6E-01	6.7E-01	3.3E-07
513	0.42	4.2E-07	1.1E+01	3.5E-04	1.0E-03	4.0E-06	1.6E-01	6.7E-01	4.2E-07
514	0.55	5.5E-07	1.4E+01	3.5E-04	1.0E-03	5.2E-06	1.6E-01	6.7E-01	5.5E-07
515	0.76	7.6E-07	2.0E+01	3.5E-04	1.0E-03	7.2E-06	1.6E-01	6.7E-01	7.6E-07
516	1.10	1.1E-06	2.8E+01	3.5E-04	1.0E-03	1.0E-05	1.6E-01	6.7E-01	1.1E-06

Franklin School Project
Risk From Modernization Const - Mitigated Residential

	1.35	Max							
						Onsite			
Receptor #	**Total/ Million**	**Total**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
517	0.70	7.0E-07	1.8E+01	3.5E-04	1.0E-03	6.6E-06	1.6E-01	6.7E-01	7.0E-07
518	0.61	6.1E-07	1.6E+01	3.5E-04	1.0E-03	5.8E-06	1.6E-01	6.7E-01	6.1E-07
519	0.53	5.3E-07	1.4E+01	3.5E-04	1.0E-03	5.0E-06	1.6E-01	6.7E-01	5.3E-07
520	0.46	4.6E-07	1.2E+01	3.5E-04	1.0E-03	4.4E-06	1.6E-01	6.7E-01	4.6E-07
521	0.41	4.1E-07	1.1E+01	3.5E-04	1.0E-03	3.9E-06	1.6E-01	6.7E-01	4.1E-07
522	0.36	3.6E-07	9.4E+00	3.5E-04	1.0E-03	3.5E-06	1.6E-01	6.7E-01	3.6E-07
523	0.32	3.2E-07	8.4E+00	3.5E-04	1.0E-03	3.1E-06	1.6E-01	6.7E-01	3.2E-07
524	0.29	2.9E-07	7.5E+00	3.5E-04	1.0E-03	2.8E-06	1.6E-01	6.7E-01	2.9E-07
525	0.26	2.6E-07	6.7E+00	3.5E-04	1.0E-03	2.5E-06	1.6E-01	6.7E-01	2.6E-07
526	0.24	2.4E-07	6.1E+00	3.5E-04	1.0E-03	2.2E-06	1.6E-01	6.7E-01	2.3E-07
527	0.35	3.5E-07	9.1E+00	3.5E-04	1.0E-03	3.3E-06	1.6E-01	6.7E-01	3.5E-07
528	0.44	4.4E-07	1.1E+01	3.5E-04	1.0E-03	4.2E-06	1.6E-01	6.7E-01	4.4E-07
529	0.59	5.9E-07	1.5E+01	3.5E-04	1.0E-03	5.6E-06	1.6E-01	6.7E-01	5.9E-07
530	0.81	8.1E-07	2.1E+01	3.5E-04	1.0E-03	7.7E-06	1.6E-01	6.7E-01	8.1E-07
531	1.18	1.2E-06	3.1E+01	3.5E-04	1.0E-03	1.1E-05	1.6E-01	6.7E-01	1.2E-06
532	0.72	7.2E-07	1.9E+01	3.5E-04	1.0E-03	6.9E-06	1.6E-01	6.7E-01	7.2E-07
533	0.62	6.2E-07	1.6E+01	3.5E-04	1.0E-03	5.9E-06	1.6E-01	6.7E-01	6.2E-07
534	0.54	5.4E-07	1.4E+01	3.5E-04	1.0E-03	5.1E-06	1.6E-01	6.7E-01	5.4E-07
535	0.47	4.7E-07	1.2E+01	3.5E-04	1.0E-03	4.4E-06	1.6E-01	6.7E-01	4.7E-07
536	0.41	4.1E-07	1.1E+01	3.5E-04	1.0E-03	3.9E-06	1.6E-01	6.7E-01	4.1E-07
537	0.36	3.6E-07	9.4E+00	3.5E-04	1.0E-03	3.4E-06	1.6E-01	6.7E-01	3.6E-07
538	0.32	3.2E-07	8.3E+00	3.5E-04	1.0E-03	3.1E-06	1.6E-01	6.7E-01	3.2E-07
539	0.29	2.9E-07	7.5E+00	3.5E-04	1.0E-03	2.7E-06	1.6E-01	6.7E-01	2.9E-07
540	0.26	2.6E-07	6.7E+00	3.5E-04	1.0E-03	2.5E-06	1.6E-01	6.7E-01	2.6E-07
541	0.23	2.3E-07	6.0E+00	3.5E-04	1.0E-03	2.2E-06	1.6E-01	6.7E-01	2.3E-07
542	0.36	3.6E-07	9.4E+00	3.5E-04	1.0E-03	3.4E-06	1.6E-01	6.7E-01	3.6E-07
543	0.46	4.6E-07	1.2E+01	3.5E-04	1.0E-03	4.4E-06	1.6E-01	6.7E-01	4.6E-07
544	0.62	6.2E-07	1.6E+01	3.5E-04	1.0E-03	5.9E-06	1.6E-01	6.7E-01	6.2E-07
545	0.85	8.5E-07	2.2E+01	3.5E-04	1.0E-03	8.1E-06	1.6E-01	6.7E-01	8.5E-07
546	1.23	1.2E-06	3.2E+01	3.5E-04	1.0E-03	1.2E-05	1.6E-01	6.7E-01	1.2E-06
547	0.74	7.4E-07	1.9E+01	3.5E-04	1.0E-03	7.0E-06	1.6E-01	6.7E-01	7.4E-07
548	0.63	6.3E-07	1.6E+01	3.5E-04	1.0E-03	6.0E-06	1.6E-01	6.7E-01	6.3E-07
549	0.54	5.4E-07	1.4E+01	3.5E-04	1.0E-03	5.1E-06	1.6E-01	6.7E-01	5.4E-07
550	0.47	4.7E-07	1.2E+01	3.5E-04	1.0E-03	4.4E-06	1.6E-01	6.7E-01	4.7E-07
551	0.40	4.0E-07	1.0E+01	3.5E-04	1.0E-03	3.8E-06	1.6E-01	6.7E-01	4.0E-07
552	0.35	3.5E-07	9.0E+00	3.5E-04	1.0E-03	3.3E-06	1.6E-01	6.7E-01	3.5E-07
553	0.31	3.1E-07	8.0E+00	3.5E-04	1.0E-03	3.0E-06	1.6E-01	6.7E-01	3.1E-07
554	0.28	2.8E-07	7.2E+00	3.5E-04	1.0E-03	2.6E-06	1.6E-01	6.7E-01	2.8E-07
555	0.25	2.5E-07	6.4E+00	3.5E-04	1.0E-03	2.4E-06	1.6E-01	6.7E-01	2.5E-07
556	0.22	2.2E-07	5.8E+00	3.5E-04	1.0E-03	2.1E-06	1.6E-01	6.7E-01	2.2E-07
557	0.37	3.7E-07	9.5E+00	3.5E-04	1.0E-03	3.5E-06	1.6E-01	6.7E-01	3.7E-07
558	0.47	4.7E-07	1.2E+01	3.5E-04	1.0E-03	4.5E-06	1.6E-01	6.7E-01	4.7E-07
559	0.63	6.3E-07	1.6E+01	3.5E-04	1.0E-03	6.0E-06	1.6E-01	6.7E-01	6.3E-07

Franklin School Project
Risk From Modernization Const - Mitigated Residential

	1.35	Max							
						Onsite			
Receptor #	**Total/ Million**	**Total**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
560	0.88	8.8E-07	2.3E+01	3.5E-04	1.0E-03	8.3E-06	1.6E-01	6.7E-01	8.8E-07
561	1.25	1.3E-06	3.2E+01	3.5E-04	1.0E-03	1.2E-05	1.6E-01	6.7E-01	1.3E-06
562	0.64	6.4E-07	1.6E+01	3.5E-04	1.0E-03	6.1E-06	1.6E-01	6.7E-01	6.4E-07
563	0.54	5.4E-07	1.4E+01	3.5E-04	1.0E-03	5.2E-06	1.6E-01	6.7E-01	5.4E-07
564	0.46	4.6E-07	1.2E+01	3.5E-04	1.0E-03	4.4E-06	1.6E-01	6.7E-01	4.6E-07
565	0.38	3.8E-07	9.8E+00	3.5E-04	1.0E-03	3.6E-06	1.6E-01	6.7E-01	3.8E-07
566	0.33	3.3E-07	8.5E+00	3.5E-04	1.0E-03	3.1E-06	1.6E-01	6.7E-01	3.3E-07
567	0.29	2.9E-07	7.5E+00	3.5E-04	1.0E-03	2.8E-06	1.6E-01	6.7E-01	2.9E-07
568	0.26	2.6E-07	6.7E+00	3.5E-04	1.0E-03	2.5E-06	1.6E-01	6.7E-01	2.6E-07
569	0.23	2.3E-07	6.0E+00	3.5E-04	1.0E-03	2.2E-06	1.6E-01	6.7E-01	2.3E-07
570	0.21	2.1E-07	5.5E+00	3.5E-04	1.0E-03	2.0E-06	1.6E-01	6.7E-01	2.1E-07
571	0.37	3.7E-07	9.6E+00	3.5E-04	1.0E-03	3.5E-06	1.6E-01	6.7E-01	3.7E-07
572	0.48	4.8E-07	1.2E+01	3.5E-04	1.0E-03	4.6E-06	1.6E-01	6.7E-01	4.8E-07
573	0.64	6.4E-07	1.6E+01	3.5E-04	1.0E-03	6.1E-06	1.6E-01	6.7E-01	6.4E-07
574	0.88	8.8E-07	2.3E+01	3.5E-04	1.0E-03	8.4E-06	1.6E-01	6.7E-01	8.8E-07
575	1.26	1.3E-06	3.3E+01	3.5E-04	1.0E-03	1.2E-05	1.6E-01	6.7E-01	1.3E-06
576	0.54	5.4E-07	1.4E+01	3.5E-04	1.0E-03	5.1E-06	1.6E-01	6.7E-01	5.4E-07
577	0.46	4.6E-07	1.2E+01	3.5E-04	1.0E-03	4.4E-06	1.6E-01	6.7E-01	4.6E-07
578	0.39	3.9E-07	1.0E+01	3.5E-04	1.0E-03	3.7E-06	1.6E-01	6.7E-01	3.9E-07
579	0.34	3.4E-07	8.7E+00	3.5E-04	1.0E-03	3.2E-06	1.6E-01	6.7E-01	3.4E-07
580	0.29	2.9E-07	7.6E+00	3.5E-04	1.0E-03	2.8E-06	1.6E-01	6.7E-01	2.9E-07
581	0.26	2.6E-07	6.6E+00	3.5E-04	1.0E-03	2.4E-06	1.6E-01	6.7E-01	2.6E-07
582	0.23	2.3E-07	5.9E+00	3.5E-04	1.0E-03	2.2E-06	1.6E-01	6.7E-01	2.3E-07
583	0.20	2.0E-07	5.2E+00	3.5E-04	1.0E-03	1.9E-06	1.6E-01	6.7E-01	2.0E-07
584	0.37	3.7E-07	9.6E+00	3.5E-04	1.0E-03	3.5E-06	1.6E-01	6.7E-01	3.7E-07
585	0.48	4.8E-07	1.2E+01	3.5E-04	1.0E-03	4.5E-06	1.6E-01	6.7E-01	4.8E-07
586	0.64	6.4E-07	1.6E+01	3.5E-04	1.0E-03	6.1E-06	1.6E-01	6.7E-01	6.4E-07
587	0.87	8.7E-07	2.3E+01	3.5E-04	1.0E-03	8.3E-06	1.6E-01	6.7E-01	8.7E-07
588	1.25	1.2E-06	3.2E+01	3.5E-04	1.0E-03	1.2E-05	1.6E-01	6.7E-01	1.2E-06
589	0.46	4.6E-07	1.2E+01	3.5E-04	1.0E-03	4.3E-06	1.6E-01	6.7E-01	4.6E-07
590	0.40	4.0E-07	1.0E+01	3.5E-04	1.0E-03	3.8E-06	1.6E-01	6.7E-01	3.9E-07
591	0.34	3.4E-07	8.9E+00	3.5E-04	1.0E-03	3.3E-06	1.6E-01	6.7E-01	3.4E-07
592	0.30	3.0E-07	7.7E+00	3.5E-04	1.0E-03	2.8E-06	1.6E-01	6.7E-01	3.0E-07
593	0.26	2.6E-07	6.8E+00	3.5E-04	1.0E-03	2.5E-06	1.6E-01	6.7E-01	2.6E-07
594	0.23	2.3E-07	5.9E+00	3.5E-04	1.0E-03	2.2E-06	1.6E-01	6.7E-01	2.3E-07
595	0.20	2.0E-07	5.2E+00	3.5E-04	1.0E-03	1.9E-06	1.6E-01	6.7E-01	2.0E-07
596	0.36	3.6E-07	9.4E+00	3.5E-04	1.0E-03	3.4E-06	1.6E-01	6.7E-01	3.6E-07
597	0.47	4.7E-07	1.2E+01	3.5E-04	1.0E-03	4.5E-06	1.6E-01	6.7E-01	4.7E-07
598	0.62	6.2E-07	1.6E+01	3.5E-04	1.0E-03	5.9E-06	1.6E-01	6.7E-01	6.1E-07
599	0.84	8.4E-07	2.2E+01	3.5E-04	1.0E-03	8.0E-06	1.6E-01	6.7E-01	8.4E-07
600	1.21	1.2E-06	3.1E+01	3.5E-04	1.0E-03	1.1E-05	1.6E-01	6.7E-01	1.2E-06
601	0.38	3.8E-07	9.8E+00	3.5E-04	1.0E-03	3.6E-06	1.6E-01	6.7E-01	3.8E-07
602	0.33	3.3E-07	8.6E+00	3.5E-04	1.0E-03	3.1E-06	1.6E-01	6.7E-01	3.3E-07

Franklin School Project
Risk From Modernization Const - Mitigated Residential

	1.35	Max							
						Onsite			
Receptor #	**Total/ Million**	**Total**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
603	0.29	2.9E-07	7.4E+00	3.5E-04	1.0E-03	2.7E-06	1.6E-01	6.7E-01	2.9E-07
604	0.25	2.5E-07	6.6E+00	3.5E-04	1.0E-03	2.4E-06	1.6E-01	6.7E-01	2.5E-07
605	0.22	2.2E-07	5.8E+00	3.5E-04	1.0E-03	2.1E-06	1.6E-01	6.7E-01	2.2E-07
606	0.20	2.0E-07	5.1E+00	3.5E-04	1.0E-03	1.9E-06	1.6E-01	6.7E-01	2.0E-07
607	0.35	3.5E-07	9.0E+00	3.5E-04	1.0E-03	3.3E-06	1.6E-01	6.7E-01	3.5E-07
608	0.45	4.5E-07	1.2E+01	3.5E-04	1.0E-03	4.3E-06	1.6E-01	6.7E-01	4.5E-07
609	0.59	5.9E-07	1.5E+01	3.5E-04	1.0E-03	5.6E-06	1.6E-01	6.7E-01	5.9E-07
610	0.80	8.0E-07	2.1E+01	3.5E-04	1.0E-03	7.6E-06	1.6E-01	6.7E-01	7.9E-07
611	1.13	1.1E-06	2.9E+01	3.5E-04	1.0E-03	1.1E-05	1.6E-01	6.7E-01	1.1E-06
612	0.36	3.6E-07	9.4E+00	3.5E-04	1.0E-03	3.4E-06	1.6E-01	6.7E-01	3.6E-07
613	0.32	3.2E-07	8.2E+00	3.5E-04	1.0E-03	3.0E-06	1.6E-01	6.7E-01	3.1E-07
614	0.28	2.8E-07	7.1E+00	3.5E-04	1.0E-03	2.6E-06	1.6E-01	6.7E-01	2.7E-07
615	0.24	2.4E-07	6.3E+00	3.5E-04	1.0E-03	2.3E-06	1.6E-01	6.7E-01	2.4E-07
616	0.21	2.1E-07	5.5E+00	3.5E-04	1.0E-03	2.0E-06	1.6E-01	6.7E-01	2.1E-07
617	0.19	1.9E-07	4.9E+00	3.5E-04	1.0E-03	1.8E-06	1.6E-01	6.7E-01	1.9E-07
618	0.33	3.3E-07	8.6E+00	3.5E-04	1.0E-03	3.1E-06	1.6E-01	6.7E-01	3.3E-07
619	0.42	4.2E-07	1.1E+01	3.5E-04	1.0E-03	4.0E-06	1.6E-01	6.7E-01	4.2E-07
620	0.54	5.4E-07	1.4E+01	3.5E-04	1.0E-03	5.2E-06	1.6E-01	6.7E-01	5.4E-07
621	0.72	7.2E-07	1.9E+01	3.5E-04	1.0E-03	6.9E-06	1.6E-01	6.7E-01	7.2E-07
622	1.02	1.0E-06	2.6E+01	3.5E-04	1.0E-03	9.7E-06	1.6E-01	6.7E-01	1.0E-06
623	0.34	3.4E-07	8.8E+00	3.5E-04	1.0E-03	3.2E-06	1.6E-01	6.7E-01	3.4E-07
624	0.30	3.0E-07	7.7E+00	3.5E-04	1.0E-03	2.8E-06	1.6E-01	6.7E-01	3.0E-07
625	0.26	2.6E-07	6.7E+00	3.5E-04	1.0E-03	2.5E-06	1.6E-01	6.7E-01	2.6E-07
626	0.23	2.3E-07	6.0E+00	3.5E-04	1.0E-03	2.2E-06	1.6E-01	6.7E-01	2.3E-07
627	0.21	2.1E-07	5.3E+00	3.5E-04	1.0E-03	2.0E-06	1.6E-01	6.7E-01	2.0E-07
628	0.18	1.8E-07	4.7E+00	3.5E-04	1.0E-03	1.7E-06	1.6E-01	6.7E-01	1.8E-07
629	0.31	3.1E-07	8.0E+00	3.5E-04	1.0E-03	2.9E-06	1.6E-01	6.7E-01	3.1E-07
630	0.38	3.8E-07	9.9E+00	3.5E-04	1.0E-03	3.6E-06	1.6E-01	6.7E-01	3.8E-07
631	0.49	4.9E-07	1.3E+01	3.5E-04	1.0E-03	4.7E-06	1.6E-01	6.7E-01	4.9E-07
632	0.64	6.4E-07	1.7E+01	3.5E-04	1.0E-03	6.1E-06	1.6E-01	6.7E-01	6.4E-07
633	0.88	8.8E-07	2.3E+01	3.5E-04	1.0E-03	8.4E-06	1.6E-01	6.7E-01	8.8E-07
634	0.32	3.2E-07	8.2E+00	3.5E-04	1.0E-03	3.0E-06	1.6E-01	6.7E-01	3.2E-07
635	0.28	2.8E-07	7.2E+00	3.5E-04	1.0E-03	2.6E-06	1.6E-01	6.7E-01	2.8E-07
636	0.25	2.5E-07	6.3E+00	3.5E-04	1.0E-03	2.3E-06	1.6E-01	6.7E-01	2.4E-07
637	0.22	2.2E-07	5.6E+00	3.5E-04	1.0E-03	2.1E-06	1.6E-01	6.7E-01	2.2E-07
638	0.19	1.9E-07	5.0E+00	3.5E-04	1.0E-03	1.8E-06	1.6E-01	6.7E-01	1.9E-07
639	0.17	1.7E-07	4.5E+00	3.5E-04	1.0E-03	1.7E-06	1.6E-01	6.7E-01	1.7E-07
640	0.28	2.8E-07	7.4E+00	3.5E-04	1.0E-03	2.7E-06	1.6E-01	6.7E-01	2.8E-07
641	0.35	3.5E-07	9.0E+00	3.5E-04	1.0E-03	3.3E-06	1.6E-01	6.7E-01	3.5E-07
642	0.44	4.4E-07	1.1E+01	3.5E-04	1.0E-03	4.2E-06	1.6E-01	6.7E-01	4.4E-07
643	0.56	5.6E-07	1.4E+01	3.5E-04	1.0E-03	5.3E-06	1.6E-01	6.7E-01	5.6E-07
644	0.73	7.3E-07	1.9E+01	3.5E-04	1.0E-03	7.0E-06	1.6E-01	6.7E-01	7.3E-07
645	0.29	2.9E-07	7.6E+00	3.5E-04	1.0E-03	2.8E-06	1.6E-01	6.7E-01	2.9E-07

Franklin School Project
Risk From Modernization Const - Mitigated Residential

	1.35	Max							
						Onsite			
Receptor #	**Total/ Million**	**Total**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
646	0.26	2.6E-07	6.7E+00	3.5E-04	1.0E-03	2.5E-06	1.6E-01	6.7E-01	2.6E-07
647	0.23	2.3E-07	5.9E+00	3.5E-04	1.0E-03	2.2E-06	1.6E-01	6.7E-01	2.3E-07
648	0.20	2.0E-07	5.3E+00	3.5E-04	1.0E-03	1.9E-06	1.6E-01	6.7E-01	2.0E-07
649	0.18	1.8E-07	4.7E+00	3.5E-04	1.0E-03	1.7E-06	1.6E-01	6.7E-01	1.8E-07
650	0.17	1.7E-07	4.3E+00	3.5E-04	1.0E-03	1.6E-06	1.6E-01	6.7E-01	1.6E-07
651	0.26	2.6E-07	6.8E+00	3.5E-04	1.0E-03	2.5E-06	1.6E-01	6.7E-01	2.6E-07
652	0.32	3.2E-07	8.2E+00	3.5E-04	1.0E-03	3.0E-06	1.6E-01	6.7E-01	3.2E-07
653	0.39	3.9E-07	1.0E+01	3.5E-04	1.0E-03	3.7E-06	1.6E-01	6.7E-01	3.9E-07
654	0.48	4.8E-07	1.2E+01	3.5E-04	1.0E-03	4.6E-06	1.6E-01	6.7E-01	4.8E-07
655	0.60	6.0E-07	1.6E+01	3.5E-04	1.0E-03	5.7E-06	1.6E-01	6.7E-01	6.0E-07
656	0.76	7.6E-07	2.0E+01	3.5E-04	1.0E-03	7.3E-06	1.6E-01	6.7E-01	7.6E-07
657	0.96	9.6E-07	2.5E+01	3.5E-04	1.0E-03	9.1E-06	1.6E-01	6.7E-01	9.6E-07
658	1.16	1.2E-06	3.0E+01	3.5E-04	1.0E-03	1.1E-05	1.6E-01	6.7E-01	1.2E-06
659	1.30	1.3E-06	3.4E+01	3.5E-04	1.0E-03	1.2E-05	1.6E-01	6.7E-01	1.3E-06
660	1.35	1.3E-06	3.5E+01	3.5E-04	1.0E-03	1.3E-05	1.6E-01	6.7E-01	1.3E-06
661	1.28	1.3E-06	3.3E+01	3.5E-04	1.0E-03	1.2E-05	1.6E-01	6.7E-01	1.3E-06
662	1.13	1.1E-06	2.9E+01	3.5E-04	1.0E-03	1.1E-05	1.6E-01	6.7E-01	1.1E-06
663	0.94	9.4E-07	2.4E+01	3.5E-04	1.0E-03	9.0E-06	1.6E-01	6.7E-01	9.4E-07
664	0.78	7.8E-07	2.0E+01	3.5E-04	1.0E-03	7.5E-06	1.6E-01	6.7E-01	7.8E-07
665	0.65	6.5E-07	1.7E+01	3.5E-04	1.0E-03	6.2E-06	1.6E-01	6.7E-01	6.5E-07
666	0.55	5.5E-07	1.4E+01	3.5E-04	1.0E-03	5.2E-06	1.6E-01	6.7E-01	5.5E-07
667	0.47	4.7E-07	1.2E+01	3.5E-04	1.0E-03	4.5E-06	1.6E-01	6.7E-01	4.7E-07
668	0.40	4.0E-07	1.0E+01	3.5E-04	1.0E-03	3.8E-06	1.6E-01	6.7E-01	4.0E-07
669	0.35	3.5E-07	9.1E+00	3.5E-04	1.0E-03	3.3E-06	1.6E-01	6.7E-01	3.5E-07
670	0.31	3.1E-07	7.9E+00	3.5E-04	1.0E-03	2.9E-06	1.6E-01	6.7E-01	3.1E-07
671	0.27	2.7E-07	7.0E+00	3.5E-04	1.0E-03	2.6E-06	1.6E-01	6.7E-01	2.7E-07
672	0.24	2.4E-07	6.2E+00	3.5E-04	1.0E-03	2.3E-06	1.6E-01	6.7E-01	2.4E-07
673	0.21	2.1E-07	5.5E+00	3.5E-04	1.0E-03	2.0E-06	1.6E-01	6.7E-01	2.1E-07
674	0.19	1.9E-07	5.0E+00	3.5E-04	1.0E-03	1.8E-06	1.6E-01	6.7E-01	1.9E-07
675	0.17	1.7E-07	4.5E+00	3.5E-04	1.0E-03	1.6E-06	1.6E-01	6.7E-01	1.7E-07
676	0.16	1.6E-07	4.0E+00	3.5E-04	1.0E-03	1.5E-06	1.6E-01	6.7E-01	1.6E-07
677	0.24	2.4E-07	6.1E+00	3.5E-04	1.0E-03	2.2E-06	1.6E-01	6.7E-01	2.3E-07
678	0.28	2.8E-07	7.2E+00	3.5E-04	1.0E-03	2.7E-06	1.6E-01	6.7E-01	2.8E-07
679	0.34	3.4E-07	8.7E+00	3.5E-04	1.0E-03	3.2E-06	1.6E-01	6.7E-01	3.4E-07
680	0.40	4.0E-07	1.0E+01	3.5E-04	1.0E-03	3.8E-06	1.6E-01	6.7E-01	4.0E-07
681	0.49	4.9E-07	1.3E+01	3.5E-04	1.0E-03	4.7E-06	1.6E-01	6.7E-01	4.9E-07
682	0.60	6.0E-07	1.5E+01	3.5E-04	1.0E-03	5.7E-06	1.6E-01	6.7E-01	5.9E-07
683	0.71	7.1E-07	1.8E+01	3.5E-04	1.0E-03	6.8E-06	1.6E-01	6.7E-01	7.1E-07
684	0.82	8.2E-07	2.1E+01	3.5E-04	1.0E-03	7.8E-06	1.6E-01	6.7E-01	8.2E-07
685	0.90	9.0E-07	2.3E+01	3.5E-04	1.0E-03	8.6E-06	1.6E-01	6.7E-01	9.0E-07
686	0.93	9.3E-07	2.4E+01	3.5E-04	1.0E-03	8.9E-06	1.6E-01	6.7E-01	9.3E-07
687	0.90	9.0E-07	2.3E+01	3.5E-04	1.0E-03	8.6E-06	1.6E-01	6.7E-01	9.0E-07
688	0.83	8.3E-07	2.1E+01	3.5E-04	1.0E-03	7.9E-06	1.6E-01	6.7E-01	8.3E-07

Franklin School Project
Risk From Modernization Const - Mitigated Residential

	1.35	Max							
						Onsite			
Receptor #	**Total/ Million**	**Total**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
689	0.73	7.3E-07	1.9E+01	3.5E-04	1.0E-03	6.9E-06	1.6E-01	6.7E-01	7.3E-07
690	0.64	6.4E-07	1.6E+01	3.5E-04	1.0E-03	6.0E-06	1.6E-01	6.7E-01	6.3E-07
691	0.55	5.5E-07	1.4E+01	3.5E-04	1.0E-03	5.2E-06	1.6E-01	6.7E-01	5.5E-07
692	0.47	4.7E-07	1.2E+01	3.5E-04	1.0E-03	4.5E-06	1.6E-01	6.7E-01	4.7E-07
693	0.41	4.1E-07	1.1E+01	3.5E-04	1.0E-03	3.9E-06	1.6E-01	6.7E-01	4.1E-07
694	0.36	3.6E-07	9.3E+00	3.5E-04	1.0E-03	3.4E-06	1.6E-01	6.7E-01	3.6E-07
695	0.32	3.2E-07	8.2E+00	3.5E-04	1.0E-03	3.0E-06	1.6E-01	6.7E-01	3.2E-07
696	0.28	2.8E-07	7.2E+00	3.5E-04	1.0E-03	2.7E-06	1.6E-01	6.7E-01	2.8E-07
697	0.25	2.5E-07	6.4E+00	3.5E-04	1.0E-03	2.4E-06	1.6E-01	6.7E-01	2.5E-07
698	0.22	2.2E-07	5.7E+00	3.5E-04	1.0E-03	2.1E-06	1.6E-01	6.7E-01	2.2E-07
699	0.20	2.0E-07	5.2E+00	3.5E-04	1.0E-03	1.9E-06	1.6E-01	6.7E-01	2.0E-07
700	0.18	1.8E-07	4.6E+00	3.5E-04	1.0E-03	1.7E-06	1.6E-01	6.7E-01	1.8E-07
701	0.16	1.6E-07	4.2E+00	3.5E-04	1.0E-03	1.5E-06	1.6E-01	6.7E-01	1.6E-07
702	0.15	1.5E-07	3.8E+00	3.5E-04	1.0E-03	1.4E-06	1.6E-01	6.7E-01	1.5E-07
703	0.21	2.1E-07	5.5E+00	3.5E-04	1.0E-03	2.0E-06	1.6E-01	6.7E-01	2.1E-07
704	0.25	2.5E-07	6.4E+00	3.5E-04	1.0E-03	2.4E-06	1.6E-01	6.7E-01	2.5E-07
705	0.29	2.9E-07	7.5E+00	3.5E-04	1.0E-03	2.8E-06	1.6E-01	6.7E-01	2.9E-07
706	0.34	3.4E-07	8.9E+00	3.5E-04	1.0E-03	3.3E-06	1.6E-01	6.7E-01	3.4E-07
707	0.40	4.0E-07	1.0E+01	3.5E-04	1.0E-03	3.8E-06	1.6E-01	6.7E-01	4.0E-07
708	0.47	4.7E-07	1.2E+01	3.5E-04	1.0E-03	4.5E-06	1.6E-01	6.7E-01	4.7E-07
709	0.55	5.5E-07	1.4E+01	3.5E-04	1.0E-03	5.2E-06	1.6E-01	6.7E-01	5.5E-07
710	0.61	6.1E-07	1.6E+01	3.5E-04	1.0E-03	5.8E-06	1.6E-01	6.7E-01	6.1E-07
711	0.66	6.6E-07	1.7E+01	3.5E-04	1.0E-03	6.3E-06	1.6E-01	6.7E-01	6.6E-07
712	0.68	6.8E-07	1.8E+01	3.5E-04	1.0E-03	6.5E-06	1.6E-01	6.7E-01	6.8E-07
713	0.67	6.7E-07	1.7E+01	3.5E-04	1.0E-03	6.4E-06	1.6E-01	6.7E-01	6.7E-07
714	0.63	6.3E-07	1.6E+01	3.5E-04	1.0E-03	6.0E-06	1.6E-01	6.7E-01	6.3E-07
715	0.58	5.8E-07	1.5E+01	3.5E-04	1.0E-03	5.5E-06	1.6E-01	6.7E-01	5.8E-07
716	0.52	5.2E-07	1.3E+01	3.5E-04	1.0E-03	5.0E-06	1.6E-01	6.7E-01	5.2E-07
717	0.46	4.6E-07	1.2E+01	3.5E-04	1.0E-03	4.4E-06	1.6E-01	6.7E-01	4.6E-07
718	0.41	4.1E-07	1.1E+01	3.5E-04	1.0E-03	3.9E-06	1.6E-01	6.7E-01	4.1E-07
719	0.36	3.6E-07	9.4E+00	3.5E-04	1.0E-03	3.4E-06	1.6E-01	6.7E-01	3.6E-07
720	0.32	3.2E-07	8.3E+00	3.5E-04	1.0E-03	3.1E-06	1.6E-01	6.7E-01	3.2E-07
721	0.29	2.9E-07	7.4E+00	3.5E-04	1.0E-03	2.7E-06	1.6E-01	6.7E-01	2.9E-07
722	0.25	2.5E-07	6.6E+00	3.5E-04	1.0E-03	2.4E-06	1.6E-01	6.7E-01	2.5E-07
723	0.23	2.3E-07	5.9E+00	3.5E-04	1.0E-03	2.2E-06	1.6E-01	6.7E-01	2.3E-07
724	0.21	2.1E-07	5.3E+00	3.5E-04	1.0E-03	2.0E-06	1.6E-01	6.7E-01	2.1E-07
725	0.19	1.9E-07	4.8E+00	3.5E-04	1.0E-03	1.8E-06	1.6E-01	6.7E-01	1.9E-07
726	0.17	1.7E-07	4.4E+00	3.5E-04	1.0E-03	1.6E-06	1.6E-01	6.7E-01	1.7E-07
727	0.15	1.5E-07	4.0E+00	3.5E-04	1.0E-03	1.5E-06	1.6E-01	6.7E-01	1.5E-07
728	0.14	1.4E-07	3.6E+00	3.5E-04	1.0E-03	1.3E-06	1.6E-01	6.7E-01	1.4E-07
729	0.19	1.9E-07	5.0E+00	3.5E-04	1.0E-03	1.8E-06	1.6E-01	6.7E-01	1.9E-07
730	0.22	2.2E-07	5.7E+00	3.5E-04	1.0E-03	2.1E-06	1.6E-01	6.7E-01	2.2E-07
731	0.25	2.5E-07	6.6E+00	3.5E-04	1.0E-03	2.4E-06	1.6E-01	6.7E-01	2.5E-07

Franklin School Project
Risk From Modernization Const - Mitigated Residential

	1.35	Max					Onsite		
Receptor #	**Total/ Million**	**Total**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
732	0.29	2.9E-07	7.6E+00	3.5E-04	1.0E-03	2.8E-06	1.6E-01	6.7E-01	2.9E-07
733	0.34	3.4E-07	8.7E+00	3.5E-04	1.0E-03	3.2E-06	1.6E-01	6.7E-01	3.4E-07
734	0.39	3.9E-07	1.0E+01	3.5E-04	1.0E-03	3.7E-06	1.6E-01	6.7E-01	3.9E-07
735	0.43	4.3E-07	1.1E+01	3.5E-04	1.0E-03	4.1E-06	1.6E-01	6.7E-01	4.3E-07
736	0.48	4.8E-07	1.2E+01	3.5E-04	1.0E-03	4.5E-06	1.6E-01	6.7E-01	4.8E-07
737	0.51	5.1E-07	1.3E+01	3.5E-04	1.0E-03	4.9E-06	1.6E-01	6.7E-01	5.1E-07
738	0.53	5.3E-07	1.4E+01	3.5E-04	1.0E-03	5.0E-06	1.6E-01	6.7E-01	5.3E-07
739	0.52	5.2E-07	1.4E+01	3.5E-04	1.0E-03	5.0E-06	1.6E-01	6.7E-01	5.2E-07
740	0.50	5.0E-07	1.3E+01	3.5E-04	1.0E-03	4.8E-06	1.6E-01	6.7E-01	5.0E-07
741	0.47	4.7E-07	1.2E+01	3.5E-04	1.0E-03	4.5E-06	1.6E-01	6.7E-01	4.7E-07
742	0.43	4.3E-07	1.1E+01	3.5E-04	1.0E-03	4.1E-06	1.6E-01	6.7E-01	4.3E-07
743	0.39	3.9E-07	1.0E+01	3.5E-04	1.0E-03	3.8E-06	1.6E-01	6.7E-01	3.9E-07
744	0.36	3.6E-07	9.2E+00	3.5E-04	1.0E-03	3.4E-06	1.6E-01	6.7E-01	3.6E-07
745	0.32	3.2E-07	8.3E+00	3.5E-04	1.0E-03	3.0E-06	1.6E-01	6.7E-01	3.2E-07
746	0.29	2.9E-07	7.4E+00	3.5E-04	1.0E-03	2.7E-06	1.6E-01	6.7E-01	2.9E-07
747	0.26	2.6E-07	6.7E+00	3.5E-04	1.0E-03	2.5E-06	1.6E-01	6.7E-01	2.6E-07
748	0.23	2.3E-07	6.0E+00	3.5E-04	1.0E-03	2.2E-06	1.6E-01	6.7E-01	2.3E-07
749	0.21	2.1E-07	5.4E+00	3.5E-04	1.0E-03	2.0E-06	1.6E-01	6.7E-01	2.1E-07
750	0.19	1.9E-07	4.9E+00	3.5E-04	1.0E-03	1.8E-06	1.6E-01	6.7E-01	1.9E-07
751	0.17	1.7E-07	4.5E+00	3.5E-04	1.0E-03	1.6E-06	1.6E-01	6.7E-01	1.7E-07
752	0.16	1.6E-07	4.1E+00	3.5E-04	1.0E-03	1.5E-06	1.6E-01	6.7E-01	1.6E-07
753	0.14	1.4E-07	3.7E+00	3.5E-04	1.0E-03	1.4E-06	1.6E-01	6.7E-01	1.4E-07
754	0.13	1.3E-07	3.4E+00	3.5E-04	1.0E-03	1.3E-06	1.6E-01	6.7E-01	1.3E-07
755	0.17	1.7E-07	4.5E+00	3.5E-04	1.0E-03	1.6E-06	1.6E-01	6.7E-01	1.7E-07
756	0.20	2.0E-07	5.1E+00	3.5E-04	1.0E-03	1.9E-06	1.6E-01	6.7E-01	2.0E-07
757	0.22	2.2E-07	5.8E+00	3.5E-04	1.0E-03	2.1E-06	1.6E-01	6.7E-01	2.2E-07
758	0.25	2.5E-07	6.5E+00	3.5E-04	1.0E-03	2.4E-06	1.6E-01	6.7E-01	2.5E-07
759	0.29	2.9E-07	7.4E+00	3.5E-04	1.0E-03	2.7E-06	1.6E-01	6.7E-01	2.9E-07
760	0.32	3.2E-07	8.3E+00	3.5E-04	1.0E-03	3.1E-06	1.6E-01	6.7E-01	3.2E-07
761	0.35	3.5E-07	9.2E+00	3.5E-04	1.0E-03	3.4E-06	1.6E-01	6.7E-01	3.5E-07
762	0.38	3.8E-07	9.9E+00	3.5E-04	1.0E-03	3.7E-06	1.6E-01	6.7E-01	3.8E-07
763	0.41	4.1E-07	1.1E+01	3.5E-04	1.0E-03	3.9E-06	1.6E-01	6.7E-01	4.1E-07
764	0.42	4.2E-07	1.1E+01	3.5E-04	1.0E-03	4.0E-06	1.6E-01	6.7E-01	4.2E-07
765	0.42	4.2E-07	1.1E+01	3.5E-04	1.0E-03	4.0E-06	1.6E-01	6.7E-01	4.2E-07
766	0.41	4.1E-07	1.1E+01	3.5E-04	1.0E-03	3.9E-06	1.6E-01	6.7E-01	4.1E-07
767	0.39	3.9E-07	1.0E+01	3.5E-04	1.0E-03	3.7E-06	1.6E-01	6.7E-01	3.9E-07
768	0.37	3.7E-07	9.5E+00	3.5E-04	1.0E-03	3.5E-06	1.6E-01	6.7E-01	3.7E-07
769	0.34	3.4E-07	8.8E+00	3.5E-04	1.0E-03	3.2E-06	1.6E-01	6.7E-01	3.4E-07
770	0.31	3.1E-07	8.0E+00	3.5E-04	1.0E-03	3.0E-06	1.6E-01	6.7E-01	3.1E-07
771	0.28	2.8E-07	7.3E+00	3.5E-04	1.0E-03	2.7E-06	1.6E-01	6.7E-01	2.8E-07
772	0.26	2.6E-07	6.7E+00	3.5E-04	1.0E-03	2.5E-06	1.6E-01	6.7E-01	2.6E-07
773	0.23	2.3E-07	6.1E+00	3.5E-04	1.0E-03	2.2E-06	1.6E-01	6.7E-01	2.3E-07
774	0.21	2.1E-07	5.5E+00	3.5E-04	1.0E-03	2.0E-06	1.6E-01	6.7E-01	2.1E-07

Franklin School Project
Risk From Modernization Const - Mitigated Residential

	1.35	Max							
							Onsite		
Receptor #	**Total/ Million**	**Total**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
775	0.19	1.9E-07	5.0E+00	3.5E-04	1.0E-03	1.8E-06	1.6E-01	6.7E-01	1.9E-07
776	0.18	1.8E-07	4.5E+00	3.5E-04	1.0E-03	1.7E-06	1.6E-01	6.7E-01	1.8E-07
777	0.16	1.6E-07	4.2E+00	3.5E-04	1.0E-03	1.5E-06	1.6E-01	6.7E-01	1.6E-07
778	0.15	1.5E-07	3.8E+00	3.5E-04	1.0E-03	1.4E-06	1.6E-01	6.7E-01	1.5E-07
779	0.14	1.4E-07	3.5E+00	3.5E-04	1.0E-03	1.3E-06	1.6E-01	6.7E-01	1.4E-07
780	0.12	1.2E-07	3.2E+00	3.5E-04	1.0E-03	1.2E-06	1.6E-01	6.7E-01	1.2E-07
781	0.16	1.6E-07	4.0E+00	3.5E-04	1.0E-03	1.5E-06	1.6E-01	6.7E-01	1.6E-07
782	0.18	1.8E-07	4.5E+00	3.5E-04	1.0E-03	1.7E-06	1.6E-01	6.7E-01	1.7E-07
783	0.20	2.0E-07	5.1E+00	3.5E-04	1.0E-03	1.9E-06	1.6E-01	6.7E-01	2.0E-07
784	0.22	2.2E-07	5.7E+00	3.5E-04	1.0E-03	2.1E-06	1.6E-01	6.7E-01	2.2E-07
785	0.25	2.5E-07	6.3E+00	3.5E-04	1.0E-03	2.3E-06	1.6E-01	6.7E-01	2.4E-07
786	0.27	2.7E-07	7.0E+00	3.5E-04	1.0E-03	2.6E-06	1.6E-01	6.7E-01	2.7E-07
787	0.30	3.0E-07	7.6E+00	3.5E-04	1.0E-03	2.8E-06	1.6E-01	6.7E-01	2.9E-07
788	0.32	3.2E-07	8.2E+00	3.5E-04	1.0E-03	3.0E-06	1.6E-01	6.7E-01	3.2E-07
789	0.33	3.3E-07	8.6E+00	3.5E-04	1.0E-03	3.2E-06	1.6E-01	6.7E-01	3.3E-07
790	0.34	3.4E-07	8.9E+00	3.5E-04	1.0E-03	3.3E-06	1.6E-01	6.7E-01	3.4E-07
791	0.35	3.5E-07	8.9E+00	3.5E-04	1.0E-03	3.3E-06	1.6E-01	6.7E-01	3.5E-07
792	0.34	3.4E-07	8.8E+00	3.5E-04	1.0E-03	3.2E-06	1.6E-01	6.7E-01	3.4E-07
793	0.33	3.3E-07	8.5E+00	3.5E-04	1.0E-03	3.1E-06	1.6E-01	6.7E-01	3.3E-07
794	0.31	3.1E-07	8.1E+00	3.5E-04	1.0E-03	3.0E-06	1.6E-01	6.7E-01	3.1E-07
795	0.29	2.9E-07	7.6E+00	3.5E-04	1.0E-03	2.8E-06	1.6E-01	6.7E-01	2.9E-07
796	0.27	2.7E-07	7.1E+00	3.5E-04	1.0E-03	2.6E-06	1.6E-01	6.7E-01	2.7E-07
797	0.25	2.5E-07	6.5E+00	3.5E-04	1.0E-03	2.4E-06	1.6E-01	6.7E-01	2.5E-07
798	0.23	2.3E-07	6.0E+00	3.5E-04	1.0E-03	2.2E-06	1.6E-01	6.7E-01	2.3E-07
799	0.21	2.1E-07	5.5E+00	3.5E-04	1.0E-03	2.0E-06	1.6E-01	6.7E-01	2.1E-07
800	0.19	1.9E-07	5.0E+00	3.5E-04	1.0E-03	1.8E-06	1.6E-01	6.7E-01	1.9E-07
801	0.18	1.8E-07	4.6E+00	3.5E-04	1.0E-03	1.7E-06	1.6E-01	6.7E-01	1.8E-07
802	0.16	1.6E-07	4.2E+00	3.5E-04	1.0E-03	1.6E-06	1.6E-01	6.7E-01	1.6E-07
803	0.15	1.5E-07	3.9E+00	3.5E-04	1.0E-03	1.4E-06	1.6E-01	6.7E-01	1.5E-07
804	0.14	1.4E-07	3.6E+00	3.5E-04	1.0E-03	1.3E-06	1.6E-01	6.7E-01	1.4E-07
805	0.13	1.3E-07	3.3E+00	3.5E-04	1.0E-03	1.2E-06	1.6E-01	6.7E-01	1.3E-07
806	0.12	1.2E-07	3.0E+00	3.5E-04	1.0E-03	1.1E-06	1.6E-01	6.7E-01	1.2E-07

Franklin School Project

Risk From Modernization Const - Mitigated Residential

	Haul Route 1A							Haul Route 2A						
Receptor #	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
1	3.2E-01	2.4E-07	1.0E-03	8.2E-11	1.6E-01	6.7E-01	8.6E-12	3.4E-01	7.7E-07	1.0E-03	2.7E-10	1.6E-01	6.7E-01	2.9E-11
2	3.6E-01	2.4E-07	1.0E-03	9.3E-11	1.6E-01	6.7E-01	9.8E-12	3.9E-01	7.7E-07	1.0E-03	3.2E-10	1.6E-01	6.7E-01	3.3E-11
3	4.1E-01	2.4E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.1E-11	4.5E-01	7.7E-07	1.0E-03	3.6E-10	1.6E-01	6.7E-01	3.8E-11
4	4.6E-01	2.4E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.2E-11	5.2E-01	7.7E-07	1.0E-03	4.2E-10	1.6E-01	6.7E-01	4.4E-11
5	5.1E-01	2.4E-07	1.0E-03	1.3E-10	1.6E-01	6.7E-01	1.4E-11	5.8E-01	7.7E-07	1.0E-03	4.7E-10	1.6E-01	6.7E-01	4.9E-11
6	5.5E-01	2.4E-07	1.0E-03	1.4E-10	1.6E-01	6.7E-01	1.5E-11	6.5E-01	7.7E-07	1.0E-03	5.2E-10	1.6E-01	6.7E-01	5.5E-11
7	6.0E-01	2.4E-07	1.0E-03	1.5E-10	1.6E-01	6.7E-01	1.6E-11	7.1E-01	7.7E-07	1.0E-03	5.7E-10	1.6E-01	6.7E-01	6.0E-11
8	6.4E-01	2.4E-07	1.0E-03	1.6E-10	1.6E-01	6.7E-01	1.7E-11	7.7E-01	7.7E-07	1.0E-03	6.2E-10	1.6E-01	6.7E-01	6.5E-11
9	6.9E-01	2.4E-07	1.0E-03	1.8E-10	1.6E-01	6.7E-01	1.9E-11	8.4E-01	7.7E-07	1.0E-03	6.8E-10	1.6E-01	6.7E-01	7.1E-11
10	7.5E-01	2.4E-07	1.0E-03	1.9E-10	1.6E-01	6.7E-01	2.0E-11	9.2E-01	7.7E-07	1.0E-03	7.4E-10	1.6E-01	6.7E-01	7.8E-11
11	8.0E-01	2.4E-07	1.0E-03	2.1E-10	1.6E-01	6.7E-01	2.2E-11	9.9E-01	7.7E-07	1.0E-03	8.0E-10	1.6E-01	6.7E-01	8.4E-11
12	8.4E-01	2.4E-07	1.0E-03	2.1E-10	1.6E-01	6.7E-01	2.3E-11	1.0E+00	7.7E-07	1.0E-03	8.4E-10	1.6E-01	6.7E-01	8.8E-11
13	8.5E-01	2.4E-07	1.0E-03	2.2E-10	1.6E-01	6.7E-01	2.3E-11	1.0E+00	7.7E-07	1.0E-03	8.4E-10	1.6E-01	6.7E-01	8.8E-11
14	8.3E-01	2.4E-07	1.0E-03	2.1E-10	1.6E-01	6.7E-01	2.2E-11	1.0E+00	7.7E-07	1.0E-03	8.2E-10	1.6E-01	6.7E-01	8.6E-11
15	7.9E-01	2.4E-07	1.0E-03	2.0E-10	1.6E-01	6.7E-01	2.1E-11	9.5E-01	7.7E-07	1.0E-03	7.7E-10	1.6E-01	6.7E-01	8.1E-11
16	7.4E-01	2.4E-07	1.0E-03	1.9E-10	1.6E-01	6.7E-01	2.0E-11	8.8E-01	7.7E-07	1.0E-03	7.1E-10	1.6E-01	6.7E-01	7.4E-11
17	3.8E-01	2.4E-07	1.0E-03	9.6E-11	1.6E-01	6.7E-01	1.0E-11	3.9E-01	7.7E-07	1.0E-03	3.2E-10	1.6E-01	6.7E-01	3.3E-11
18	4.4E-01	2.4E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.2E-11	4.7E-01	7.7E-07	1.0E-03	3.8E-10	1.6E-01	6.7E-01	3.9E-11
19	5.1E-01	2.4E-07	1.0E-03	1.3E-10	1.6E-01	6.7E-01	1.4E-11	5.5E-01	7.7E-07	1.0E-03	4.5E-10	1.6E-01	6.7E-01	4.7E-11
20	5.8E-01	2.4E-07	1.0E-03	1.5E-10	1.6E-01	6.7E-01	1.6E-11	6.5E-01	7.7E-07	1.0E-03	5.3E-10	1.6E-01	6.7E-01	5.6E-11
21	6.6E-01	2.4E-07	1.0E-03	1.7E-10	1.6E-01	6.7E-01	1.8E-11	7.6E-01	7.7E-07	1.0E-03	6.2E-10	1.6E-01	6.7E-01	6.5E-11
22	7.3E-01	2.4E-07	1.0E-03	1.9E-10	1.6E-01	6.7E-01	2.0E-11	8.7E-01	7.7E-07	1.0E-03	7.0E-10	1.6E-01	6.7E-01	7.4E-11
23	8.0E-01	2.4E-07	1.0E-03	2.0E-10	1.6E-01	6.7E-01	2.1E-11	9.7E-01	7.7E-07	1.0E-03	7.9E-10	1.6E-01	6.7E-01	8.3E-11
24	8.7E-01	2.4E-07	1.0E-03	2.2E-10	1.6E-01	6.7E-01	2.4E-11	1.1E+00	7.7E-07	1.0E-03	8.8E-10	1.6E-01	6.7E-01	9.2E-11
25	9.6E-01	2.4E-07	1.0E-03	2.5E-10	1.6E-01	6.7E-01	2.6E-11	1.2E+00	7.7E-07	1.0E-03	9.8E-10	1.6E-01	6.7E-01	1.0E-10
26	1.1E+00	2.4E-07	1.0E-03	2.7E-10	1.6E-01	6.7E-01	2.8E-11	1.3E+00	7.7E-07	1.0E-03	1.1E-09	1.6E-01	6.7E-01	1.1E-10
27	1.1E+00	2.4E-07	1.0E-03	2.8E-10	1.6E-01	6.7E-01	3.0E-11	1.4E+00	7.7E-07	1.0E-03	1.1E-09	1.6E-01	6.7E-01	1.2E-10
28	1.1E+00	2.4E-07	1.0E-03	2.9E-10	1.6E-01	6.7E-01	3.0E-11	1.4E+00	7.7E-07	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.2E-10
29	1.1E+00	2.4E-07	1.0E-03	2.8E-10	1.6E-01	6.7E-01	3.0E-11	1.4E+00	7.7E-07	1.0E-03	1.1E-09	1.6E-01	6.7E-01	1.2E-10
30	1.0E+00	2.4E-07	1.0E-03	2.7E-10	1.6E-01	6.7E-01	2.8E-11	1.3E+00	7.7E-07	1.0E-03	1.0E-09	1.6E-01	6.7E-01	1.1E-10
31	9.6E-01	2.4E-07	1.0E-03	2.5E-10	1.6E-01	6.7E-01	2.6E-11	1.2E+00	7.7E-07	1.0E-03	9.3E-10	1.6E-01	6.7E-01	9.8E-11
32	8.7E-01	2.4E-07	1.0E-03	2.2E-10	1.6E-01	6.7E-01	2.3E-11	1.0E+00	7.7E-07	1.0E-03	8.2E-10	1.6E-01	6.7E-01	8.6E-11
33	4.4E-01	2.4E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.2E-11	4.5E-01	7.7E-07	1.0E-03	3.7E-10	1.6E-01	6.7E-01	3.9E-11
34	5.3E-01	2.4E-07	1.0E-03	1.4E-10	1.6E-01	6.7E-01	1.4E-11	5.6E-01	7.7E-07	1.0E-03	4.5E-10	1.6E-01	6.7E-01	4.7E-11
35	6.3E-01	2.4E-07	1.0E-03	1.6E-10	1.6E-01	6.7E-01	1.7E-11	6.9E-01	7.7E-07	1.0E-03	5.5E-10	1.6E-01	6.7E-01	5.8E-11
36	7.6E-01	2.4E-07	1.0E-03	1.9E-10	1.6E-01	6.7E-01	2.0E-11	8.5E-01	7.7E-07	1.0E-03	6.9E-10	1.6E-01	6.7E-01	7.2E-11
37	8.9E-01	2.4E-07	1.0E-03	2.3E-10	1.6E-01	6.7E-01	2.4E-11	1.0E+00	7.7E-07	1.0E-03	8.4E-10	1.6E-01	6.7E-01	8.8E-11
38	1.0E+00	2.4E-07	1.0E-03	2.6E-10	1.6E-01	6.7E-01	2.7E-11	1.2E+00	7.7E-07	1.0E-03	1.0E-09	1.6E-01	6.7E-01	1.1E-10
39	1.1E+00	2.4E-07	1.0E-03	2.9E-10	1.6E-01	6.7E-01	3.0E-11	1.4E+00	7.7E-07	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.2E-10
40	1.3E+00	2.4E-07	1.0E-03	3.2E-10	1.6E-01	6.7E-01	3.4E-11	1.6E+00	7.7E-07	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.4E-10
41	1.4E+00	2.4E-07	1.0E-03	3.6E-10	1.6E-01	6.7E-01	3.8E-11	1.9E+00	7.7E-07	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.6E-10
42	1.5E+00	2.4E-07	1.0E-03	3.9E-10	1.6E-01	6.7E-01	4.1E-11	2.1E+00	7.7E-07	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.7E-10
43	1.6E+00	2.4E-07	1.0E-03	4.0E-10	1.6E-01	6.7E-01	4.3E-11	2.1E+00	7.7E-07	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10

Franklin School Project

Risk From Modernization Const - Mitigated Residential

	Haul Route 1A							Haul Route 2A						
Receptor #	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
44	1.5E+00	2.4E-07	1.0E-03	3.9E-10	1.6E-01	6.7E-01	4.1E-11	2.0E+00	7.7E-07	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10
45	1.4E+00	2.4E-07	1.0E-03	3.6E-10	1.6E-01	6.7E-01	3.8E-11	1.8E+00	7.7E-07	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.5E-10
46	1.3E+00	2.4E-07	1.0E-03	3.3E-10	1.6E-01	6.7E-01	3.4E-11	1.6E+00	7.7E-07	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.3E-10
47	1.1E+00	2.4E-07	1.0E-03	2.9E-10	1.6E-01	6.7E-01	3.0E-11	1.3E+00	7.7E-07	1.0E-03	1.1E-09	1.6E-01	6.7E-01	1.1E-10
48	9.8E-01	2.4E-07	1.0E-03	2.5E-10	1.6E-01	6.7E-01	2.6E-11	1.1E+00	7.7E-07	1.0E-03	9.2E-10	1.6E-01	6.7E-01	9.7E-11
49	5.2E-01	2.4E-07	1.0E-03	1.3E-10	1.6E-01	6.7E-01	1.4E-11	5.2E-01	7.7E-07	1.0E-03	4.2E-10	1.6E-01	6.7E-01	4.4E-11
50	6.4E-01	2.4E-07	1.0E-03	1.6E-10	1.6E-01	6.7E-01	1.7E-11	6.6E-01	7.7E-07	1.0E-03	5.3E-10	1.6E-01	6.7E-01	5.6E-11
51	8.1E-01	2.4E-07	1.0E-03	2.1E-10	1.6E-01	6.7E-01	2.2E-11	8.6E-01	7.7E-07	1.0E-03	6.9E-10	1.6E-01	6.7E-01	7.3E-11
52	1.0E+00	2.4E-07	1.0E-03	2.6E-10	1.6E-01	6.7E-01	2.7E-11	1.1E+00	7.7E-07	1.0E-03	9.1E-10	1.6E-01	6.7E-01	9.6E-11
53	1.3E+00	2.4E-07	1.0E-03	3.2E-10	1.6E-01	6.7E-01	3.4E-11	1.5E+00	7.7E-07	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.3E-10
54	1.5E+00	2.4E-07	1.0E-03	3.8E-10	1.6E-01	6.7E-01	4.0E-11	1.9E+00	7.7E-07	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.6E-10
55	1.7E+00	2.4E-07	1.0E-03	4.5E-10	1.6E-01	6.7E-01	4.7E-11	2.3E+00	7.7E-07	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10
56	2.0E+00	2.4E-07	1.0E-03	5.2E-10	1.6E-01	6.7E-01	5.4E-11	2.8E+00	7.7E-07	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.4E-10
57	2.3E+00	2.4E-07	1.0E-03	5.8E-10	1.6E-01	6.7E-01	6.1E-11	3.2E+00	7.7E-07	1.0E-03	2.6E-09	1.6E-01	6.7E-01	2.7E-10
58	2.4E+00	2.4E-07	1.0E-03	6.1E-10	1.6E-01	6.7E-01	6.4E-11	3.4E+00	7.7E-07	1.0E-03	2.7E-09	1.6E-01	6.7E-01	2.8E-10
59	2.3E+00	2.4E-07	1.0E-03	5.8E-10	1.6E-01	6.7E-01	6.1E-11	3.1E+00	7.7E-07	1.0E-03	2.5E-09	1.6E-01	6.7E-01	2.7E-10
60	2.1E+00	2.4E-07	1.0E-03	5.3E-10	1.6E-01	6.7E-01	5.5E-11	2.7E+00	7.7E-07	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.3E-10
61	1.8E+00	2.4E-07	1.0E-03	4.6E-10	1.6E-01	6.7E-01	4.8E-11	2.3E+00	7.7E-07	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10
62	1.5E+00	2.4E-07	1.0E-03	3.9E-10	1.6E-01	6.7E-01	4.1E-11	1.8E+00	7.7E-07	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.6E-10
63	1.3E+00	2.4E-07	1.0E-03	3.3E-10	1.6E-01	6.7E-01	3.4E-11	1.5E+00	7.7E-07	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.3E-10
64	1.1E+00	2.4E-07	1.0E-03	2.7E-10	1.6E-01	6.7E-01	2.9E-11	1.2E+00	7.7E-07	1.0E-03	9.8E-10	1.6E-01	6.7E-01	1.0E-10
65	6.0E-01	2.4E-07	1.0E-03	1.5E-10	1.6E-01	6.7E-01	1.6E-11	5.9E-01	7.7E-07	1.0E-03	4.8E-10	1.6E-01	6.7E-01	5.0E-11
66	7.8E-01	2.4E-07	1.0E-03	2.0E-10	1.6E-01	6.7E-01	2.1E-11	7.8E-01	7.7E-07	1.0E-03	6.3E-10	1.6E-01	6.7E-01	6.6E-11
67	1.0E+00	2.4E-07	1.0E-03	2.7E-10	1.6E-01	6.7E-01	2.8E-11	1.1E+00	7.7E-07	1.0E-03	8.6E-10	1.6E-01	6.7E-01	9.1E-11
68	1.4E+00	2.4E-07	1.0E-03	3.6E-10	1.6E-01	6.7E-01	3.8E-11	1.5E+00	7.7E-07	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.3E-10
69	1.9E+00	2.4E-07	1.0E-03	4.9E-10	1.6E-01	6.7E-01	5.1E-11	2.2E+00	7.7E-07	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10
70	2.5E+00	2.4E-07	1.0E-03	6.3E-10	1.6E-01	6.7E-01	6.6E-11	3.3E+00	7.7E-07	1.0E-03	2.6E-09	1.6E-01	6.7E-01	2.8E-10
71	3.0E+00	2.4E-07	1.0E-03	7.8E-10	1.6E-01	6.7E-01	8.2E-11	4.5E+00	7.7E-07	1.0E-03	3.6E-09	1.6E-01	6.7E-01	3.8E-10
72	3.6E+00	2.4E-07	1.0E-03	9.3E-10	1.6E-01	6.7E-01	9.8E-11	5.6E+00	7.7E-07	1.0E-03	4.6E-09	1.6E-01	6.7E-01	4.8E-10
73	3.9E+00	2.4E-07	1.0E-03	1.0E-09	1.6E-01	6.7E-01	1.1E-10	6.2E+00	7.7E-07	1.0E-03	5.0E-09	1.6E-01	6.7E-01	5.3E-10
74	3.7E+00	2.4E-07	1.0E-03	9.5E-10	1.6E-01	6.7E-01	1.0E-10	5.6E+00	7.7E-07	1.0E-03	4.5E-09	1.6E-01	6.7E-01	4.8E-10
75	3.2E+00	2.4E-07	1.0E-03	8.2E-10	1.6E-01	6.7E-01	8.6E-11	4.5E+00	7.7E-07	1.0E-03	3.6E-09	1.6E-01	6.7E-01	3.8E-10
76	2.6E+00	2.4E-07	1.0E-03	6.7E-10	1.6E-01	6.7E-01	7.1E-11	3.4E+00	7.7E-07	1.0E-03	2.8E-09	1.6E-01	6.7E-01	2.9E-10
77	2.1E+00	2.4E-07	1.0E-03	5.4E-10	1.6E-01	6.7E-01	5.7E-11	2.6E+00	7.7E-07	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.2E-10
78	1.7E+00	2.4E-07	1.0E-03	4.3E-10	1.6E-01	6.7E-01	4.5E-11	2.0E+00	7.7E-07	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10
79	1.4E+00	2.4E-07	1.0E-03	3.5E-10	1.6E-01	6.7E-01	3.7E-11	1.5E+00	7.7E-07	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.3E-10
80	1.1E+00	2.4E-07	1.0E-03	2.8E-10	1.6E-01	6.7E-01	3.0E-11	1.2E+00	7.7E-07	1.0E-03	9.9E-10	1.6E-01	6.7E-01	1.0E-10
81	6.8E-01	2.4E-07	1.0E-03	1.8E-10	1.6E-01	6.7E-01	1.8E-11	6.5E-01	7.7E-07	1.0E-03	5.2E-10	1.6E-01	6.7E-01	5.5E-11
82	9.3E-01	2.4E-07	1.0E-03	2.4E-10	1.6E-01	6.7E-01	2.5E-11	8.8E-01	7.7E-07	1.0E-03	7.1E-10	1.6E-01	6.7E-01	7.5E-11
83	1.3E+00	2.4E-07	1.0E-03	3.4E-10	1.6E-01	6.7E-01	3.5E-11	1.3E+00	7.7E-07	1.0E-03	1.0E-09	1.6E-01	6.7E-01	1.1E-10
84	2.0E+00	2.4E-07	1.0E-03	5.1E-10	1.6E-01	6.7E-01	5.3E-11	2.0E+00	7.7E-07	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10
85	3.1E+00	2.4E-07	1.0E-03	7.9E-10	1.6E-01	6.7E-01	8.3E-11	3.5E+00	7.7E-07	1.0E-03	2.8E-09	1.6E-01	6.7E-01	2.9E-10
86	4.8E+00	2.4E-07	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.3E-10	6.5E+00	7.7E-07	1.0E-03	5.2E-09	1.6E-01	6.7E-01	5.5E-10

Franklin School Project

Risk From Modernization Const - Mitigated Residential

	Haul Route 1A							Haul Route 2A						
Receptor #	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
87	6.6E+00	2.4E-07	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10	1.1E+01	7.7E-07	1.0E-03	9.1E-09	1.6E-01	6.7E-01	9.6E-10
88	7.9E+00	2.4E-07	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10	1.5E+01	7.7E-07	1.0E-03	1.2E-08	1.6E-01	6.7E-01	1.3E-09
89	7.2E+00	2.4E-07	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10	1.3E+01	7.7E-07	1.0E-03	1.0E-08	1.6E-01	6.7E-01	1.1E-09
90	5.6E+00	2.4E-07	1.0E-03	1.4E-09	1.6E-01	6.7E-01	1.5E-10	8.7E+00	7.7E-07	1.0E-03	7.1E-09	1.6E-01	6.7E-01	7.4E-10
91	4.2E+00	2.4E-07	1.0E-03	1.1E-09	1.6E-01	6.7E-01	1.1E-10	5.7E+00	7.7E-07	1.0E-03	4.6E-09	1.6E-01	6.7E-01	4.9E-10
92	3.1E+00	2.4E-07	1.0E-03	7.9E-10	1.6E-01	6.7E-01	8.3E-11	3.9E+00	7.7E-07	1.0E-03	3.1E-09	1.6E-01	6.7E-01	3.3E-10
93	2.3E+00	2.4E-07	1.0E-03	5.9E-10	1.6E-01	6.7E-01	6.2E-11	2.7E+00	7.7E-07	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.3E-10
94	1.8E+00	2.4E-07	1.0E-03	4.5E-10	1.6E-01	6.7E-01	4.7E-11	2.0E+00	7.7E-07	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10
95	1.4E+00	2.4E-07	1.0E-03	3.5E-10	1.6E-01	6.7E-01	3.7E-11	1.5E+00	7.7E-07	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.3E-10
96	1.1E+00	2.4E-07	1.0E-03	2.8E-10	1.6E-01	6.7E-01	2.9E-11	1.2E+00	7.7E-07	1.0E-03	9.3E-10	1.6E-01	6.7E-01	9.8E-11
97	7.5E-01	2.4E-07	1.0E-03	1.9E-10	1.6E-01	6.7E-01	2.0E-11	6.8E-01	7.7E-07	1.0E-03	5.5E-10	1.6E-01	6.7E-01	5.8E-11
98	1.1E+00	2.4E-07	1.0E-03	2.7E-10	1.6E-01	6.7E-01	2.8E-11	9.5E-01	7.7E-07	1.0E-03	7.7E-10	1.6E-01	6.7E-01	8.0E-11
99	1.6E+00	2.4E-07	1.0E-03	4.1E-10	1.6E-01	6.7E-01	4.3E-11	1.4E+00	7.7E-07	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.2E-10
100	2.7E+00	2.4E-07	1.0E-03	6.9E-10	1.6E-01	6.7E-01	7.3E-11	2.5E+00	7.7E-07	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10
101	5.2E+00	2.4E-07	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.4E-10	5.0E+00	7.7E-07	1.0E-03	4.0E-09	1.6E-01	6.7E-01	4.3E-10
102	1.2E+01	2.4E-07	1.0E-03	3.0E-09	1.6E-01	6.7E-01	3.1E-10	1.4E+01	7.7E-07	1.0E-03	1.1E-08	1.6E-01	6.7E-01	1.2E-09
103	2.3E+01	2.4E-07	1.0E-03	6.0E-09	1.6E-01	6.7E-01	6.3E-10	5.4E+01	7.7E-07	1.0E-03	4.3E-08	1.6E-01	6.7E-01	4.6E-09
104	2.0E+01	2.4E-07	1.0E-03	5.1E-09	1.6E-01	6.7E-01	5.4E-10	6.1E+01	7.7E-07	1.0E-03	4.9E-08	1.6E-01	6.7E-01	5.1E-09
105	1.2E+01	2.4E-07	1.0E-03	3.1E-09	1.6E-01	6.7E-01	3.3E-10	2.4E+01	7.7E-07	1.0E-03	1.9E-08	1.6E-01	6.7E-01	2.0E-09
106	7.4E+00	2.4E-07	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10	1.1E+01	7.7E-07	1.0E-03	8.8E-09	1.6E-01	6.7E-01	9.3E-10
107	4.7E+00	2.4E-07	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.3E-10	6.0E+00	7.7E-07	1.0E-03	4.9E-09	1.6E-01	6.7E-01	5.1E-10
108	3.2E+00	2.4E-07	1.0E-03	8.2E-10	1.6E-01	6.7E-01	8.6E-11	3.8E+00	7.7E-07	1.0E-03	3.0E-09	1.6E-01	6.7E-01	3.2E-10
109	2.3E+00	2.4E-07	1.0E-03	5.8E-10	1.6E-01	6.7E-01	6.1E-11	2.5E+00	7.7E-07	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10
110	1.7E+00	2.4E-07	1.0E-03	4.3E-10	1.6E-01	6.7E-01	4.5E-11	1.8E+00	7.7E-07	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.5E-10
111	1.3E+00	2.4E-07	1.0E-03	3.3E-10	1.6E-01	6.7E-01	3.5E-11	1.3E+00	7.7E-07	1.0E-03	1.1E-09	1.6E-01	6.7E-01	1.1E-10
112	1.0E+00	2.4E-07	1.0E-03	2.6E-10	1.6E-01	6.7E-01	2.7E-11	1.0E+00	7.7E-07	1.0E-03	8.4E-10	1.6E-01	6.7E-01	8.8E-11
113	7.9E-01	2.4E-07	1.0E-03	2.0E-10	1.6E-01	6.7E-01	2.1E-11	6.9E-01	7.7E-07	1.0E-03	5.5E-10	1.6E-01	6.7E-01	5.8E-11
114	1.1E+00	2.4E-07	1.0E-03	2.9E-10	1.6E-01	6.7E-01	3.1E-11	9.7E-01	7.7E-07	1.0E-03	7.8E-10	1.6E-01	6.7E-01	8.2E-11
115	1.8E+00	2.4E-07	1.0E-03	4.6E-10	1.6E-01	6.7E-01	4.9E-11	1.5E+00	7.7E-07	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.3E-10
116	3.3E+00	2.4E-07	1.0E-03	8.4E-10	1.6E-01	6.7E-01	8.8E-11	2.6E+00	7.7E-07	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.2E-10
117	7.6E+00	2.4E-07	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10	5.5E+00	7.7E-07	1.0E-03	4.4E-09	1.6E-01	6.7E-01	4.6E-10
118	7.7E+00	2.4E-07	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10	9.6E+00	7.7E-07	1.0E-03	7.7E-09	1.6E-01	6.7E-01	8.1E-10
119	4.5E+00	2.4E-07	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.2E-10	5.1E+00	7.7E-07	1.0E-03	4.1E-09	1.6E-01	6.7E-01	4.3E-10
120	3.0E+00	2.4E-07	1.0E-03	7.6E-10	1.6E-01	6.7E-01	7.9E-11	3.2E+00	7.7E-07	1.0E-03	2.6E-09	1.6E-01	6.7E-01	2.7E-10
121	2.1E+00	2.4E-07	1.0E-03	5.3E-10	1.6E-01	6.7E-01	5.5E-11	2.1E+00	7.7E-07	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10
122	1.5E+00	2.4E-07	1.0E-03	3.9E-10	1.6E-01	6.7E-01	4.0E-11	1.5E+00	7.7E-07	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.3E-10
123	1.1E+00	2.4E-07	1.0E-03	2.9E-10	1.6E-01	6.7E-01	3.1E-11	1.2E+00	7.7E-07	1.0E-03	9.4E-10	1.6E-01	6.7E-01	9.9E-11
124	9.0E-01	2.4E-07	1.0E-03	2.3E-10	1.6E-01	6.7E-01	2.4E-11	9.0E-01	7.7E-07	1.0E-03	7.3E-10	1.6E-01	6.7E-01	7.7E-11
125	7.8E-01	2.4E-07	1.0E-03	2.0E-10	1.6E-01	6.7E-01	2.1E-11	6.6E-01	7.7E-07	1.0E-03	5.3E-10	1.6E-01	6.7E-01	5.6E-11
126	1.1E+00	2.4E-07	1.0E-03	2.9E-10	1.6E-01	6.7E-01	3.0E-11	9.1E-01	7.7E-07	1.0E-03	7.4E-10	1.6E-01	6.7E-01	7.7E-11
127	1.8E+00	2.4E-07	1.0E-03	4.6E-10	1.6E-01	6.7E-01	4.8E-11	1.4E+00	7.7E-07	1.0E-03	1.1E-09	1.6E-01	6.7E-01	1.1E-10
128	3.3E+00	2.4E-07	1.0E-03	8.4E-10	1.6E-01	6.7E-01	8.8E-11	2.2E+00	7.7E-07	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10
129	7.4E+00	2.4E-07	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10	4.1E+00	7.7E-07	1.0E-03	3.3E-09	1.6E-01	6.7E-01	3.5E-10

Franklin School Project

Risk From Modernization Const - Mitigated Residential

	Haul Route 1A							Haul Route 2A						
Receptor #	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
130	6.3E+00	2.4E-07	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10	6.4E+00	7.7E-07	1.0E-03	5.2E-09	1.6E-01	6.7E-01	5.5E-10
131	3.7E+00	2.4E-07	1.0E-03	9.6E-10	1.6E-01	6.7E-01	1.0E-10	3.9E+00	7.7E-07	1.0E-03	3.1E-09	1.6E-01	6.7E-01	3.3E-10
132	2.4E+00	2.4E-07	1.0E-03	6.2E-10	1.6E-01	6.7E-01	6.6E-11	2.5E+00	7.7E-07	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10
133	1.7E+00	2.4E-07	1.0E-03	4.5E-10	1.6E-01	6.7E-01	4.7E-11	1.8E+00	7.7E-07	1.0E-03	1.4E-09	1.6E-01	6.7E-01	1.5E-10
134	1.3E+00	2.4E-07	1.0E-03	3.3E-10	1.6E-01	6.7E-01	3.5E-11	1.3E+00	7.7E-07	1.0E-03	1.1E-09	1.6E-01	6.7E-01	1.1E-10
135	9.9E-01	2.4E-07	1.0E-03	2.5E-10	1.6E-01	6.7E-01	2.7E-11	9.9E-01	7.7E-07	1.0E-03	8.0E-10	1.6E-01	6.7E-01	8.4E-11
136	7.8E-01	2.4E-07	1.0E-03	2.0E-10	1.6E-01	6.7E-01	2.1E-11	7.8E-01	7.7E-07	1.0E-03	6.3E-10	1.6E-01	6.7E-01	6.7E-11
137	7.4E-01	2.4E-07	1.0E-03	1.9E-10	1.6E-01	6.7E-01	2.0E-11	6.1E-01	7.7E-07	1.0E-03	4.9E-10	1.6E-01	6.7E-01	5.2E-11
138	1.0E+00	2.4E-07	1.0E-03	2.7E-10	1.6E-01	6.7E-01	2.8E-11	8.2E-01	7.7E-07	1.0E-03	6.6E-10	1.6E-01	6.7E-01	6.9E-11
139	1.6E+00	2.4E-07	1.0E-03	4.0E-10	1.6E-01	6.7E-01	4.2E-11	1.1E+00	7.7E-07	1.0E-03	9.3E-10	1.6E-01	6.7E-01	9.7E-11
140	2.7E+00	2.4E-07	1.0E-03	6.9E-10	1.6E-01	6.7E-01	7.2E-11	1.7E+00	7.7E-07	1.0E-03	1.4E-09	1.6E-01	6.7E-01	1.5E-10
141	5.0E+00	2.4E-07	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.3E-10	2.7E+00	7.7E-07	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.3E-10
142	4.5E+00	2.4E-07	1.0E-03	1.1E-09	1.6E-01	6.7E-01	1.2E-10	4.2E+00	7.7E-07	1.0E-03	3.4E-09	1.6E-01	6.7E-01	3.5E-10
143	2.9E+00	2.4E-07	1.0E-03	7.3E-10	1.6E-01	6.7E-01	7.7E-11	2.8E+00	7.7E-07	1.0E-03	2.3E-09	1.6E-01	6.7E-01	2.4E-10
144	2.0E+00	2.4E-07	1.0E-03	5.0E-10	1.6E-01	6.7E-01	5.3E-11	2.0E+00	7.7E-07	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10
145	1.5E+00	2.4E-07	1.0E-03	3.7E-10	1.6E-01	6.7E-01	3.9E-11	1.5E+00	7.7E-07	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.3E-10
146	1.1E+00	2.4E-07	1.0E-03	2.8E-10	1.6E-01	6.7E-01	3.0E-11	1.1E+00	7.7E-07	1.0E-03	9.0E-10	1.6E-01	6.7E-01	9.5E-11
147	8.6E-01	2.4E-07	1.0E-03	2.2E-10	1.6E-01	6.7E-01	2.3E-11	8.7E-01	7.7E-07	1.0E-03	7.0E-10	1.6E-01	6.7E-01	7.4E-11
148	6.9E-01	2.4E-07	1.0E-03	1.8E-10	1.6E-01	6.7E-01	1.8E-11	6.9E-01	7.7E-07	1.0E-03	5.6E-10	1.6E-01	6.7E-01	5.9E-11
149	6.7E-01	2.4E-07	1.0E-03	1.7E-10	1.6E-01	6.7E-01	1.8E-11	5.4E-01	7.7E-07	1.0E-03	4.4E-10	1.6E-01	6.7E-01	4.6E-11
150	9.0E-01	2.4E-07	1.0E-03	2.3E-10	1.6E-01	6.7E-01	2.4E-11	7.0E-01	7.7E-07	1.0E-03	5.6E-10	1.6E-01	6.7E-01	5.9E-11
151	1.3E+00	2.4E-07	1.0E-03	3.3E-10	1.6E-01	6.7E-01	3.5E-11	9.4E-01	7.7E-07	1.0E-03	7.6E-10	1.6E-01	6.7E-01	8.0E-11
152	2.0E+00	2.4E-07	1.0E-03	5.0E-10	1.6E-01	6.7E-01	5.3E-11	1.3E+00	7.7E-07	1.0E-03	1.1E-09	1.6E-01	6.7E-01	1.1E-10
153	3.1E+00	2.4E-07	1.0E-03	8.0E-10	1.6E-01	6.7E-01	8.4E-11	1.9E+00	7.7E-07	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.6E-10
154	3.3E+00	2.4E-07	1.0E-03	8.5E-10	1.6E-01	6.7E-01	9.0E-11	3.0E+00	7.7E-07	1.0E-03	2.4E-09	1.6E-01	6.7E-01	2.5E-10
155	2.3E+00	2.4E-07	1.0E-03	5.8E-10	1.6E-01	6.7E-01	6.1E-11	2.2E+00	7.7E-07	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10
156	1.6E+00	2.4E-07	1.0E-03	4.1E-10	1.6E-01	6.7E-01	4.3E-11	1.6E+00	7.7E-07	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.4E-10
157	1.2E+00	2.4E-07	1.0E-03	3.2E-10	1.6E-01	6.7E-01	3.4E-11	1.3E+00	7.7E-07	1.0E-03	1.0E-09	1.6E-01	6.7E-01	1.1E-10
158	9.6E-01	2.4E-07	1.0E-03	2.5E-10	1.6E-01	6.7E-01	2.6E-11	9.8E-01	7.7E-07	1.0E-03	7.9E-10	1.6E-01	6.7E-01	8.3E-11
159	7.6E-01	2.4E-07	1.0E-03	1.9E-10	1.6E-01	6.7E-01	2.0E-11	7.8E-01	7.7E-07	1.0E-03	6.3E-10	1.6E-01	6.7E-01	6.6E-11
160	6.1E-01	2.4E-07	1.0E-03	1.6E-10	1.6E-01	6.7E-01	1.6E-11	6.3E-01	7.7E-07	1.0E-03	5.1E-10	1.6E-01	6.7E-01	5.3E-11
161	5.9E-01	2.4E-07	1.0E-03	1.5E-10	1.6E-01	6.7E-01	1.6E-11	4.7E-01	7.7E-07	1.0E-03	3.8E-10	1.6E-01	6.7E-01	4.0E-11
162	7.6E-01	2.4E-07	1.0E-03	1.9E-10	1.6E-01	6.7E-01	2.0E-11	5.9E-01	7.7E-07	1.0E-03	4.8E-10	1.6E-01	6.7E-01	5.0E-11
163	1.0E+00	2.4E-07	1.0E-03	2.6E-10	1.6E-01	6.7E-01	2.7E-11	7.6E-01	7.7E-07	1.0E-03	6.1E-10	1.6E-01	6.7E-01	6.4E-11
164	1.4E+00	2.4E-07	1.0E-03	3.7E-10	1.6E-01	6.7E-01	3.8E-11	1.0E+00	7.7E-07	1.0E-03	8.1E-10	1.6E-01	6.7E-01	8.5E-11
165	2.1E+00	2.4E-07	1.0E-03	5.4E-10	1.6E-01	6.7E-01	5.7E-11	1.4E+00	7.7E-07	1.0E-03	1.1E-09	1.6E-01	6.7E-01	1.2E-10
166	2.9E+00	2.4E-07	1.0E-03	7.5E-10	1.6E-01	6.7E-01	7.9E-11	1.8E+00	7.7E-07	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.5E-10
167	3.6E+00	2.4E-07	1.0E-03	9.2E-10	1.6E-01	6.7E-01	9.6E-11	2.2E+00	7.7E-07	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10
168	3.6E+00	2.4E-07	1.0E-03	9.3E-10	1.6E-01	6.7E-01	9.8E-11	2.5E+00	7.7E-07	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10
169	3.1E+00	2.4E-07	1.0E-03	8.1E-10	1.6E-01	6.7E-01	8.5E-11	2.4E+00	7.7E-07	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.0E-10
170	2.5E+00	2.4E-07	1.0E-03	6.3E-10	1.6E-01	6.7E-01	6.6E-11	2.1E+00	7.7E-07	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10
171	1.9E+00	2.4E-07	1.0E-03	4.8E-10	1.6E-01	6.7E-01	5.0E-11	1.7E+00	7.7E-07	1.0E-03	1.4E-09	1.6E-01	6.7E-01	1.5E-10
172	1.3E+00	2.4E-07	1.0E-03	3.4E-10	1.6E-01	6.7E-01	3.6E-11	1.3E+00	7.7E-07	1.0E-03	1.1E-09	1.6E-01	6.7E-01	1.1E-10

Franklin School Project

Risk From Modernization Const - Mitigated Residential

	Haul Route 1A							Haul Route 2A						
Receptor #	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
173	1.0E+00	2.4E-07	1.0E-03	2.7E-10	1.6E-01	6.7E-01	2.8E-11	1.1E+00	7.7E-07	1.0E-03	8.5E-10	1.6E-01	6.7E-01	8.9E-11
174	8.5E-01	2.4E-07	1.0E-03	2.2E-10	1.6E-01	6.7E-01	2.3E-11	8.7E-01	7.7E-07	1.0E-03	7.1E-10	1.6E-01	6.7E-01	7.4E-11
175	6.8E-01	2.4E-07	1.0E-03	1.8E-10	1.6E-01	6.7E-01	1.8E-11	7.0E-01	7.7E-07	1.0E-03	5.7E-10	1.6E-01	6.7E-01	6.0E-11
176	5.6E-01	2.4E-07	1.0E-03	1.4E-10	1.6E-01	6.7E-01	1.5E-11	5.7E-01	7.7E-07	1.0E-03	4.6E-10	1.6E-01	6.7E-01	4.9E-11
177	5.1E-01	2.4E-07	1.0E-03	1.3E-10	1.6E-01	6.7E-01	1.4E-11	4.1E-01	7.7E-07	1.0E-03	3.3E-10	1.6E-01	6.7E-01	3.5E-11
178	6.4E-01	2.4E-07	1.0E-03	1.6E-10	1.6E-01	6.7E-01	1.7E-11	5.0E-01	7.7E-07	1.0E-03	4.1E-10	1.6E-01	6.7E-01	4.3E-11
179	8.2E-01	2.4E-07	1.0E-03	2.1E-10	1.6E-01	6.7E-01	2.2E-11	6.2E-01	7.7E-07	1.0E-03	5.0E-10	1.6E-01	6.7E-01	5.3E-11
180	1.1E+00	2.4E-07	1.0E-03	2.8E-10	1.6E-01	6.7E-01	2.9E-11	8.0E-01	7.7E-07	1.0E-03	6.4E-10	1.6E-01	6.7E-01	6.7E-11
181	1.5E+00	2.4E-07	1.0E-03	3.8E-10	1.6E-01	6.7E-01	4.0E-11	1.0E+00	7.7E-07	1.0E-03	8.3E-10	1.6E-01	6.7E-01	8.7E-11
182	1.9E+00	2.4E-07	1.0E-03	4.8E-10	1.6E-01	6.7E-01	5.1E-11	1.3E+00	7.7E-07	1.0E-03	1.0E-09	1.6E-01	6.7E-01	1.1E-10
183	2.2E+00	2.4E-07	1.0E-03	5.7E-10	1.6E-01	6.7E-01	5.9E-11	1.5E+00	7.7E-07	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.3E-10
184	2.3E+00	2.4E-07	1.0E-03	5.9E-10	1.6E-01	6.7E-01	6.2E-11	1.7E+00	7.7E-07	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.4E-10
185	2.2E+00	2.4E-07	1.0E-03	5.5E-10	1.6E-01	6.7E-01	5.8E-11	1.7E+00	7.7E-07	1.0E-03	1.4E-09	1.6E-01	6.7E-01	1.4E-10
186	1.8E+00	2.4E-07	1.0E-03	4.7E-10	1.6E-01	6.7E-01	4.9E-11	1.6E+00	7.7E-07	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.3E-10
187	1.5E+00	2.4E-07	1.0E-03	3.8E-10	1.6E-01	6.7E-01	4.0E-11	1.4E+00	7.7E-07	1.0E-03	1.1E-09	1.6E-01	6.7E-01	1.2E-10
188	1.2E+00	2.4E-07	1.0E-03	3.0E-10	1.6E-01	6.7E-01	3.2E-11	1.1E+00	7.7E-07	1.0E-03	9.2E-10	1.6E-01	6.7E-01	9.6E-11
189	9.0E-01	2.4E-07	1.0E-03	2.3E-10	1.6E-01	6.7E-01	2.4E-11	9.0E-01	7.7E-07	1.0E-03	7.2E-10	1.6E-01	6.7E-01	7.6E-11
190	7.6E-01	2.4E-07	1.0E-03	1.9E-10	1.6E-01	6.7E-01	2.0E-11	7.7E-01	7.7E-07	1.0E-03	6.2E-10	1.6E-01	6.7E-01	6.5E-11
191	6.3E-01	2.4E-07	1.0E-03	1.6E-10	1.6E-01	6.7E-01	1.7E-11	6.4E-01	7.7E-07	1.0E-03	5.2E-10	1.6E-01	6.7E-01	5.4E-11
192	5.2E-01	2.4E-07	1.0E-03	1.3E-10	1.6E-01	6.7E-01	1.4E-11	5.3E-01	7.7E-07	1.0E-03	4.3E-10	1.6E-01	6.7E-01	4.5E-11
193	4.4E-01	2.4E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.2E-11	3.6E-01	7.7E-07	1.0E-03	2.9E-10	1.6E-01	6.7E-01	3.1E-11
194	5.4E-01	2.4E-07	1.0E-03	1.4E-10	1.6E-01	6.7E-01	1.4E-11	4.3E-01	7.7E-07	1.0E-03	3.5E-10	1.6E-01	6.7E-01	3.7E-11
195	6.7E-01	2.4E-07	1.0E-03	1.7E-10	1.6E-01	6.7E-01	1.8E-11	5.3E-01	7.7E-07	1.0E-03	4.2E-10	1.6E-01	6.7E-01	4.5E-11
196	8.6E-01	2.4E-07	1.0E-03	2.2E-10	1.6E-01	6.7E-01	2.3E-11	6.5E-01	7.7E-07	1.0E-03	5.2E-10	1.6E-01	6.7E-01	5.5E-11
197	1.1E+00	2.4E-07	1.0E-03	2.8E-10	1.6E-01	6.7E-01	2.9E-11	8.0E-01	7.7E-07	1.0E-03	6.5E-10	1.6E-01	6.7E-01	6.8E-11
198	1.3E+00	2.4E-07	1.0E-03	3.4E-10	1.6E-01	6.7E-01	3.5E-11	9.6E-01	7.7E-07	1.0E-03	7.7E-10	1.6E-01	6.7E-01	8.1E-11
199	1.5E+00	2.4E-07	1.0E-03	3.8E-10	1.6E-01	6.7E-01	4.0E-11	1.1E+00	7.7E-07	1.0E-03	8.9E-10	1.6E-01	6.7E-01	9.3E-11
200	1.6E+00	2.4E-07	1.0E-03	4.1E-10	1.6E-01	6.7E-01	4.3E-11	1.2E+00	7.7E-07	1.0E-03	9.7E-10	1.6E-01	6.7E-01	1.0E-10
201	1.5E+00	2.4E-07	1.0E-03	3.9E-10	1.6E-01	6.7E-01	4.1E-11	1.2E+00	7.7E-07	1.0E-03	9.8E-10	1.6E-01	6.7E-01	1.0E-10
202	1.4E+00	2.4E-07	1.0E-03	3.5E-10	1.6E-01	6.7E-01	3.7E-11	1.2E+00	7.7E-07	1.0E-03	9.3E-10	1.6E-01	6.7E-01	9.8E-11
203	1.1E+00	2.4E-07	1.0E-03	2.9E-10	1.6E-01	6.7E-01	3.1E-11	1.0E+00	7.7E-07	1.0E-03	8.3E-10	1.6E-01	6.7E-01	8.7E-11
204	9.7E-01	2.4E-07	1.0E-03	2.5E-10	1.6E-01	6.7E-01	2.6E-11	9.0E-01	7.7E-07	1.0E-03	7.3E-10	1.6E-01	6.7E-01	7.7E-11
205	8.0E-01	2.4E-07	1.0E-03	2.0E-10	1.6E-01	6.7E-01	2.2E-11	7.8E-01	7.7E-07	1.0E-03	6.3E-10	1.6E-01	6.7E-01	6.6E-11
206	6.5E-01	2.4E-07	1.0E-03	1.7E-10	1.6E-01	6.7E-01	1.7E-11	6.4E-01	7.7E-07	1.0E-03	5.2E-10	1.6E-01	6.7E-01	5.5E-11
207	5.7E-01	2.4E-07	1.0E-03	1.5E-10	1.6E-01	6.7E-01	1.5E-11	5.7E-01	7.7E-07	1.0E-03	4.6E-10	1.6E-01	6.7E-01	4.9E-11
208	4.8E-01	2.4E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.3E-11	4.9E-01	7.7E-07	1.0E-03	3.9E-10	1.6E-01	6.7E-01	4.1E-11
209	3.8E-01	2.4E-07	1.0E-03	9.8E-11	1.6E-01	6.7E-01	1.0E-11	3.2E-01	7.7E-07	1.0E-03	2.6E-10	1.6E-01	6.7E-01	2.7E-11
210	4.6E-01	2.4E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.2E-11	3.7E-01	7.7E-07	1.0E-03	3.0E-10	1.6E-01	6.7E-01	3.2E-11
211	5.6E-01	2.4E-07	1.0E-03	1.4E-10	1.6E-01	6.7E-01	1.5E-11	4.5E-01	7.7E-07	1.0E-03	3.6E-10	1.6E-01	6.7E-01	3.8E-11
212	6.8E-01	2.4E-07	1.0E-03	1.8E-10	1.6E-01	6.7E-01	1.8E-11	5.3E-01	7.7E-07	1.0E-03	4.3E-10	1.6E-01	6.7E-01	4.5E-11
213	8.3E-01	2.4E-07	1.0E-03	2.1E-10	1.6E-01	6.7E-01	2.2E-11	6.4E-01	7.7E-07	1.0E-03	5.1E-10	1.6E-01	6.7E-01	5.4E-11
214	9.7E-01	2.4E-07	1.0E-03	2.5E-10	1.6E-01	6.7E-01	2.6E-11	7.4E-01	7.7E-07	1.0E-03	6.0E-10	1.6E-01	6.7E-01	6.3E-11
215	1.1E+00	2.4E-07	1.0E-03	2.8E-10	1.6E-01	6.7E-01	2.9E-11	8.4E-01	7.7E-07	1.0E-03	6.8E-10	1.6E-01	6.7E-01	7.1E-11

Franklin School Project

Risk From Modernization Const - Mitigated Residential

	Haul Route 1A							Haul Route 2A						
Receptor #	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
216	1.1E+00	2.4E-07	1.0E-03	2.9E-10	1.6E-01	6.7E-01	3.1E-11	9.0E-01	7.7E-07	1.0E-03	7.2E-10	1.6E-01	6.7E-01	7.6E-11
217	1.1E+00	2.4E-07	1.0E-03	2.9E-10	1.6E-01	6.7E-01	3.0E-11	9.2E-01	7.7E-07	1.0E-03	7.4E-10	1.6E-01	6.7E-01	7.8E-11
218	1.1E+00	2.4E-07	1.0E-03	2.7E-10	1.6E-01	6.7E-01	2.8E-11	8.9E-01	7.7E-07	1.0E-03	7.2E-10	1.6E-01	6.7E-01	7.6E-11
219	9.6E-01	2.4E-07	1.0E-03	2.4E-10	1.6E-01	6.7E-01	2.6E-11	8.4E-01	7.7E-07	1.0E-03	6.8E-10	1.6E-01	6.7E-01	7.1E-11
220	8.4E-01	2.4E-07	1.0E-03	2.2E-10	1.6E-01	6.7E-01	2.3E-11	7.7E-01	7.7E-07	1.0E-03	6.2E-10	1.6E-01	6.7E-01	6.5E-11
221	7.2E-01	2.4E-07	1.0E-03	1.8E-10	1.6E-01	6.7E-01	1.9E-11	6.8E-01	7.7E-07	1.0E-03	5.5E-10	1.6E-01	6.7E-01	5.8E-11
222	5.8E-01	2.4E-07	1.0E-03	1.5E-10	1.6E-01	6.7E-01	1.5E-11	5.6E-01	7.7E-07	1.0E-03	4.5E-10	1.6E-01	6.7E-01	4.8E-11
223	4.9E-01	2.4E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.3E-11	4.9E-01	7.7E-07	1.0E-03	3.9E-10	1.6E-01	6.7E-01	4.1E-11
224	4.4E-01	2.4E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.2E-11	4.5E-01	7.7E-07	1.0E-03	3.6E-10	1.6E-01	6.7E-01	3.8E-11
225	3.4E-01	2.4E-07	1.0E-03	8.6E-11	1.6E-01	6.7E-01	9.0E-12	2.8E-01	7.7E-07	1.0E-03	2.3E-10	1.6E-01	6.7E-01	2.4E-11
226	4.0E-01	2.4E-07	1.0E-03	1.0E-10	1.6E-01	6.7E-01	1.1E-11	3.3E-01	7.7E-07	1.0E-03	2.6E-10	1.6E-01	6.7E-01	2.8E-11
227	4.7E-01	2.4E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.3E-11	3.8E-01	7.7E-07	1.0E-03	3.1E-10	1.6E-01	6.7E-01	3.2E-11
228	5.6E-01	2.4E-07	1.0E-03	1.4E-10	1.6E-01	6.7E-01	1.5E-11	4.5E-01	7.7E-07	1.0E-03	3.6E-10	1.6E-01	6.7E-01	3.8E-11
229	6.5E-01	2.4E-07	1.0E-03	1.7E-10	1.6E-01	6.7E-01	1.8E-11	5.2E-01	7.7E-07	1.0E-03	4.2E-10	1.6E-01	6.7E-01	4.4E-11
230	7.5E-01	2.4E-07	1.0E-03	1.9E-10	1.6E-01	6.7E-01	2.0E-11	5.9E-01	7.7E-07	1.0E-03	4.8E-10	1.6E-01	6.7E-01	5.0E-11
231	8.3E-01	2.4E-07	1.0E-03	2.1E-10	1.6E-01	6.7E-01	2.2E-11	6.6E-01	7.7E-07	1.0E-03	5.3E-10	1.6E-01	6.7E-01	5.6E-11
232	8.7E-01	2.4E-07	1.0E-03	2.2E-10	1.6E-01	6.7E-01	2.3E-11	7.0E-01	7.7E-07	1.0E-03	5.7E-10	1.6E-01	6.7E-01	6.0E-11
233	8.7E-01	2.4E-07	1.0E-03	2.2E-10	1.6E-01	6.7E-01	2.3E-11	7.2E-01	7.7E-07	1.0E-03	5.8E-10	1.6E-01	6.7E-01	6.1E-11
234	8.4E-01	2.4E-07	1.0E-03	2.1E-10	1.6E-01	6.7E-01	2.3E-11	7.1E-01	7.7E-07	1.0E-03	5.8E-10	1.6E-01	6.7E-01	6.1E-11
235	7.8E-01	2.4E-07	1.0E-03	2.0E-10	1.6E-01	6.7E-01	2.1E-11	6.9E-01	7.7E-07	1.0E-03	5.5E-10	1.6E-01	6.7E-01	5.8E-11
236	7.1E-01	2.4E-07	1.0E-03	1.8E-10	1.6E-01	6.7E-01	1.9E-11	6.4E-01	7.7E-07	1.0E-03	5.2E-10	1.6E-01	6.7E-01	5.4E-11
237	6.2E-01	2.4E-07	1.0E-03	1.6E-10	1.6E-01	6.7E-01	1.7E-11	5.8E-01	7.7E-07	1.0E-03	4.7E-10	1.6E-01	6.7E-01	4.9E-11
238	5.4E-01	2.4E-07	1.0E-03	1.4E-10	1.6E-01	6.7E-01	1.5E-11	5.2E-01	7.7E-07	1.0E-03	4.2E-10	1.6E-01	6.7E-01	4.4E-11
239	4.4E-01	2.4E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.2E-11	4.3E-01	7.7E-07	1.0E-03	3.5E-10	1.6E-01	6.7E-01	3.7E-11
240	3.8E-01	2.4E-07	1.0E-03	9.8E-11	1.6E-01	6.7E-01	1.0E-11	3.8E-01	7.7E-07	1.0E-03	3.1E-10	1.6E-01	6.7E-01	3.2E-11
241	2.9E-01	2.4E-07	1.0E-03	7.5E-11	1.6E-01	6.7E-01	7.9E-12	2.5E-01	7.7E-07	1.0E-03	2.0E-10	1.6E-01	6.7E-01	2.1E-11
242	3.4E-01	2.4E-07	1.0E-03	8.7E-11	1.6E-01	6.7E-01	9.2E-12	2.9E-01	7.7E-07	1.0E-03	2.3E-10	1.6E-01	6.7E-01	2.4E-11
243	4.0E-01	2.4E-07	1.0E-03	1.0E-10	1.6E-01	6.7E-01	1.1E-11	3.3E-01	7.7E-07	1.0E-03	2.7E-10	1.6E-01	6.7E-01	2.8E-11
244	4.6E-01	2.4E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.2E-11	3.8E-01	7.7E-07	1.0E-03	3.1E-10	1.6E-01	6.7E-01	3.2E-11
245	5.3E-01	2.4E-07	1.0E-03	1.4E-10	1.6E-01	6.7E-01	1.4E-11	4.3E-01	7.7E-07	1.0E-03	3.5E-10	1.6E-01	6.7E-01	3.7E-11
246	6.0E-01	2.4E-07	1.0E-03	1.5E-10	1.6E-01	6.7E-01	1.6E-11	4.9E-01	7.7E-07	1.0E-03	3.9E-10	1.6E-01	6.7E-01	4.1E-11
247	6.5E-01	2.4E-07	1.0E-03	1.7E-10	1.6E-01	6.7E-01	1.8E-11	5.3E-01	7.7E-07	1.0E-03	4.3E-10	1.6E-01	6.7E-01	4.5E-11
248	6.8E-01	2.4E-07	1.0E-03	1.7E-10	1.6E-01	6.7E-01	1.8E-11	5.6E-01	7.7E-07	1.0E-03	4.6E-10	1.6E-01	6.7E-01	4.8E-11
249	6.9E-01	2.4E-07	1.0E-03	1.8E-10	1.6E-01	6.7E-01	1.9E-11	5.8E-01	7.7E-07	1.0E-03	4.7E-10	1.6E-01	6.7E-01	4.9E-11
250	6.7E-01	2.4E-07	1.0E-03	1.7E-10	1.6E-01	6.7E-01	1.8E-11	5.8E-01	7.7E-07	1.0E-03	4.7E-10	1.6E-01	6.7E-01	4.9E-11
251	6.4E-01	2.4E-07	1.0E-03	1.6E-10	1.6E-01	6.7E-01	1.7E-11	5.6E-01	7.7E-07	1.0E-03	4.5E-10	1.6E-01	6.7E-01	4.8E-11
252	5.9E-01	2.4E-07	1.0E-03	1.5E-10	1.6E-01	6.7E-01	1.6E-11	5.3E-01	7.7E-07	1.0E-03	4.3E-10	1.6E-01	6.7E-01	4.5E-11
253	5.4E-01	2.4E-07	1.0E-03	1.4E-10	1.6E-01	6.7E-01	1.4E-11	5.0E-01	7.7E-07	1.0E-03	4.0E-10	1.6E-01	6.7E-01	4.2E-11
254	4.8E-01	2.4E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.3E-11	4.5E-01	7.7E-07	1.0E-03	3.7E-10	1.6E-01	6.7E-01	3.9E-11
255	4.2E-01	2.4E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.1E-11	4.0E-01	7.7E-07	1.0E-03	3.3E-10	1.6E-01	6.7E-01	3.4E-11
256	3.5E-01	2.4E-07	1.0E-03	8.9E-11	1.6E-01	6.7E-01	9.3E-12	3.4E-01	7.7E-07	1.0E-03	2.8E-10	1.6E-01	6.7E-01	2.9E-11
257	2.6E-01	2.4E-07	1.0E-03	6.6E-11	1.6E-01	6.7E-01	7.0E-12	2.2E-01	7.7E-07	1.0E-03	1.8E-10	1.6E-01	6.7E-01	1.9E-11
258	3.0E-01	2.4E-07	1.0E-03	7.6E-11	1.6E-01	6.7E-01	8.0E-12	2.5E-01	7.7E-07	1.0E-03	2.0E-10	1.6E-01	6.7E-01	2.1E-11

Franklin School Project

Risk From Modernization Const - Mitigated Residential

	Haul Route 1A							Haul Route 2A						
Receptor #	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
259	3.4E-01	2.4E-07	1.0E-03	8.7E-11	1.6E-01	6.7E-01	9.1E-12	2.9E-01	7.7E-07	1.0E-03	2.3E-10	1.6E-01	6.7E-01	2.4E-11
260	3.9E-01	2.4E-07	1.0E-03	1.0E-10	1.6E-01	6.7E-01	1.0E-11	3.3E-01	7.7E-07	1.0E-03	2.6E-10	1.6E-01	6.7E-01	2.8E-11
261	4.4E-01	2.4E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.2E-11	3.7E-01	7.7E-07	1.0E-03	3.0E-10	1.6E-01	6.7E-01	3.1E-11
262	4.9E-01	2.4E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.3E-11	4.0E-01	7.7E-07	1.0E-03	3.3E-10	1.6E-01	6.7E-01	3.4E-11
263	5.3E-01	2.4E-07	1.0E-03	1.3E-10	1.6E-01	6.7E-01	1.4E-11	4.4E-01	7.7E-07	1.0E-03	3.5E-10	1.6E-01	6.7E-01	3.7E-11
264	5.5E-01	2.4E-07	1.0E-03	1.4E-10	1.6E-01	6.7E-01	1.5E-11	4.6E-01	7.7E-07	1.0E-03	3.7E-10	1.6E-01	6.7E-01	3.9E-11
265	5.6E-01	2.4E-07	1.0E-03	1.4E-10	1.6E-01	6.7E-01	1.5E-11	4.8E-01	7.7E-07	1.0E-03	3.8E-10	1.6E-01	6.7E-01	4.0E-11
266	5.5E-01	2.4E-07	1.0E-03	1.4E-10	1.6E-01	6.7E-01	1.5E-11	4.8E-01	7.7E-07	1.0E-03	3.9E-10	1.6E-01	6.7E-01	4.1E-11
267	5.3E-01	2.4E-07	1.0E-03	1.4E-10	1.6E-01	6.7E-01	1.4E-11	4.7E-01	7.7E-07	1.0E-03	3.8E-10	1.6E-01	6.7E-01	4.0E-11
268	5.0E-01	2.4E-07	1.0E-03	1.3E-10	1.6E-01	6.7E-01	1.3E-11	4.5E-01	7.7E-07	1.0E-03	3.6E-10	1.6E-01	6.7E-01	3.8E-11
269	4.6E-01	2.4E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.2E-11	4.3E-01	7.7E-07	1.0E-03	3.4E-10	1.6E-01	6.7E-01	3.6E-11
270	4.2E-01	2.4E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.1E-11	4.0E-01	7.7E-07	1.0E-03	3.2E-10	1.6E-01	6.7E-01	3.4E-11
271	3.8E-01	2.4E-07	1.0E-03	9.7E-11	1.6E-01	6.7E-01	1.0E-11	3.6E-01	7.7E-07	1.0E-03	2.9E-10	1.6E-01	6.7E-01	3.1E-11
272	3.2E-01	2.4E-07	1.0E-03	8.2E-11	1.6E-01	6.7E-01	8.6E-12	3.1E-01	7.7E-07	1.0E-03	2.5E-10	1.6E-01	6.7E-01	2.6E-11
273	1.2E+01	2.4E-07	1.0E-03	3.0E-09	1.6E-01	6.7E-01	3.1E-10	1.4E+01	7.7E-07	1.0E-03	1.1E-08	1.6E-01	6.7E-01	1.2E-09
274	1.4E+01	2.4E-07	1.0E-03	3.5E-09	1.6E-01	6.7E-01	3.7E-10	1.8E+01	7.7E-07	1.0E-03	1.5E-08	1.6E-01	6.7E-01	1.6E-09
275	1.6E+01	2.4E-07	1.0E-03	4.2E-09	1.6E-01	6.7E-01	4.4E-10	2.4E+01	7.7E-07	1.0E-03	1.9E-08	1.6E-01	6.7E-01	2.0E-09
276	1.9E+01	2.4E-07	1.0E-03	4.8E-09	1.6E-01	6.7E-01	5.1E-10	3.2E+01	7.7E-07	1.0E-03	2.6E-08	1.6E-01	6.7E-01	2.7E-09
277	2.1E+01	2.4E-07	1.0E-03	5.5E-09	1.6E-01	6.7E-01	5.8E-10	4.2E+01	7.7E-07	1.0E-03	3.4E-08	1.6E-01	6.7E-01	3.6E-09
278	2.3E+01	2.4E-07	1.0E-03	6.0E-09	1.6E-01	6.7E-01	6.3E-10	5.4E+01	7.7E-07	1.0E-03	4.3E-08	1.6E-01	6.7E-01	4.6E-09
279	2.5E+01	2.4E-07	1.0E-03	6.3E-09	1.6E-01	6.7E-01	6.6E-10	6.3E+01	7.7E-07	1.0E-03	5.1E-08	1.6E-01	6.7E-01	5.3E-09
280	2.4E+01	2.4E-07	1.0E-03	6.3E-09	1.6E-01	6.7E-01	6.6E-10	6.8E+01	7.7E-07	1.0E-03	5.5E-08	1.6E-01	6.7E-01	5.8E-09
281	2.3E+01	2.4E-07	1.0E-03	6.0E-09	1.6E-01	6.7E-01	6.3E-10	7.0E+01	7.7E-07	1.0E-03	5.6E-08	1.6E-01	6.7E-01	5.9E-09
282	2.2E+01	2.4E-07	1.0E-03	5.6E-09	1.6E-01	6.7E-01	5.9E-10	6.8E+01	7.7E-07	1.0E-03	5.5E-08	1.6E-01	6.7E-01	5.7E-09
283	2.0E+01	2.4E-07	1.0E-03	5.1E-09	1.6E-01	6.7E-01	5.4E-10	6.1E+01	7.7E-07	1.0E-03	4.9E-08	1.6E-01	6.7E-01	5.1E-09
284	1.8E+01	2.4E-07	1.0E-03	4.7E-09	1.6E-01	6.7E-01	4.9E-10	5.1E+01	7.7E-07	1.0E-03	4.1E-08	1.6E-01	6.7E-01	4.4E-09
285	1.7E+01	2.4E-07	1.0E-03	4.2E-09	1.6E-01	6.7E-01	4.4E-10	4.2E+01	7.7E-07	1.0E-03	3.4E-08	1.6E-01	6.7E-01	3.6E-09
286	1.5E+01	2.4E-07	1.0E-03	3.8E-09	1.6E-01	6.7E-01	4.0E-10	3.5E+01	7.7E-07	1.0E-03	2.8E-08	1.6E-01	6.7E-01	2.9E-09
287	1.3E+01	2.4E-07	1.0E-03	3.4E-09	1.6E-01	6.7E-01	3.6E-10	2.9E+01	7.7E-07	1.0E-03	2.3E-08	1.6E-01	6.7E-01	2.4E-09
288	1.2E+01	2.4E-07	1.0E-03	3.1E-09	1.6E-01	6.7E-01	3.3E-10	2.4E+01	7.7E-07	1.0E-03	1.9E-08	1.6E-01	6.7E-01	2.0E-09
289	1.1E+01	2.4E-07	1.0E-03	2.8E-09	1.6E-01	6.7E-01	3.0E-10	2.0E+01	7.7E-07	1.0E-03	1.6E-08	1.6E-01	6.7E-01	1.7E-09
290	9.9E+00	2.4E-07	1.0E-03	2.5E-09	1.6E-01	6.7E-01	2.7E-10	1.7E+01	7.7E-07	1.0E-03	1.4E-08	1.6E-01	6.7E-01	1.4E-09
291	9.0E+00	2.4E-07	1.0E-03	2.3E-09	1.6E-01	6.7E-01	2.4E-10	1.5E+01	7.7E-07	1.0E-03	1.2E-08	1.6E-01	6.7E-01	1.2E-09
292	8.1E+00	2.4E-07	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.2E-10	1.3E+01	7.7E-07	1.0E-03	1.0E-08	1.6E-01	6.7E-01	1.1E-09
293	7.4E+00	2.4E-07	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10	1.1E+01	7.7E-07	1.0E-03	8.8E-09	1.6E-01	6.7E-01	9.3E-10
294	6.7E+00	2.4E-07	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10	9.6E+00	7.7E-07	1.0E-03	7.7E-09	1.6E-01	6.7E-01	8.1E-10
295	6.1E+00	2.4E-07	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.6E-10	8.5E+00	7.7E-07	1.0E-03	6.8E-09	1.6E-01	6.7E-01	7.2E-10
296	5.6E+00	2.4E-07	1.0E-03	1.4E-09	1.6E-01	6.7E-01	1.5E-10	7.5E+00	7.7E-07	1.0E-03	6.1E-09	1.6E-01	6.7E-01	6.4E-10
297	5.1E+00	2.4E-07	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.4E-10	6.7E+00	7.7E-07	1.0E-03	5.4E-09	1.6E-01	6.7E-01	5.7E-10
298	4.7E+00	2.4E-07	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.3E-10	6.0E+00	7.7E-07	1.0E-03	4.9E-09	1.6E-01	6.7E-01	5.1E-10
299	1.4E+01	2.4E-07	1.0E-03	3.7E-09	1.6E-01	6.7E-01	3.9E-10	1.6E+01	7.7E-07	1.0E-03	1.3E-08	1.6E-01	6.7E-01	1.4E-09
300	1.8E+01	2.4E-07	1.0E-03	4.5E-09	1.6E-01	6.7E-01	4.7E-10	2.2E+01	7.7E-07	1.0E-03	1.8E-08	1.6E-01	6.7E-01	1.8E-09
301	2.2E+01	2.4E-07	1.0E-03	5.5E-09	1.6E-01	6.7E-01	5.8E-10	3.0E+01	7.7E-07	1.0E-03	2.4E-08	1.6E-01	6.7E-01	2.6E-09

Franklin School Project

Risk From Modernization Const - Mitigated Residential

	Haul Route 1A							Haul Route 2A						
Receptor #	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
302	2.6E+01	2.4E-07	1.0E-03	6.7E-09	1.6E-01	6.7E-01	7.0E-10	4.3E+01	7.7E-07	1.0E-03	3.5E-08	1.6E-01	6.7E-01	3.6E-09
303	3.1E+01	2.4E-07	1.0E-03	7.9E-09	1.6E-01	6.7E-01	8.3E-10	1.5E+01	7.7E-07	1.0E-03	1.2E-08	1.6E-01	6.7E-01	1.3E-09
304	3.4E+01	2.4E-07	1.0E-03	8.7E-09	1.6E-01	6.7E-01	9.2E-10	2.2E+01	7.7E-07	1.0E-03	1.8E-08	1.6E-01	6.7E-01	1.9E-09
305	3.5E+01	2.4E-07	1.0E-03	9.0E-09	1.6E-01	6.7E-01	9.4E-10	3.2E+01	7.7E-07	1.0E-03	2.6E-08	1.6E-01	6.7E-01	2.7E-09
306	3.3E+01	2.4E-07	1.0E-03	8.6E-09	1.6E-01	6.7E-01	9.0E-10	4.6E+01	7.7E-07	1.0E-03	3.7E-08	1.6E-01	6.7E-01	3.9E-09
307	3.0E+01	2.4E-07	1.0E-03	7.8E-09	1.6E-01	6.7E-01	8.2E-10	4.7E+01	7.7E-07	1.0E-03	3.8E-08	1.6E-01	6.7E-01	4.0E-09
308	2.7E+01	2.4E-07	1.0E-03	7.0E-09	1.6E-01	6.7E-01	7.3E-10	3.5E+01	7.7E-07	1.0E-03	2.8E-08	1.6E-01	6.7E-01	3.0E-09
309	2.4E+01	2.4E-07	1.0E-03	6.2E-09	1.6E-01	6.7E-01	6.5E-10	2.6E+01	7.7E-07	1.0E-03	2.1E-08	1.6E-01	6.7E-01	2.2E-09
310	2.1E+01	2.4E-07	1.0E-03	5.4E-09	1.6E-01	6.7E-01	5.7E-10	6.8E+01	7.7E-07	1.0E-03	5.5E-08	1.6E-01	6.7E-01	5.8E-09
311	1.9E+01	2.4E-07	1.0E-03	4.8E-09	1.6E-01	6.7E-01	5.1E-10	5.2E+01	7.7E-07	1.0E-03	4.2E-08	1.6E-01	6.7E-01	4.4E-09
312	1.7E+01	2.4E-07	1.0E-03	4.3E-09	1.6E-01	6.7E-01	4.5E-10	4.0E+01	7.7E-07	1.0E-03	3.2E-08	1.6E-01	6.7E-01	3.4E-09
313	1.5E+01	2.4E-07	1.0E-03	3.8E-09	1.6E-01	6.7E-01	4.0E-10	3.2E+01	7.7E-07	1.0E-03	2.6E-08	1.6E-01	6.7E-01	2.7E-09
314	1.3E+01	2.4E-07	1.0E-03	3.4E-09	1.6E-01	6.7E-01	3.5E-10	2.6E+01	7.7E-07	1.0E-03	2.1E-08	1.6E-01	6.7E-01	2.2E-09
315	1.2E+01	2.4E-07	1.0E-03	3.0E-09	1.6E-01	6.7E-01	3.2E-10	2.1E+01	7.7E-07	1.0E-03	1.7E-08	1.6E-01	6.7E-01	1.8E-09
316	1.0E+01	2.4E-07	1.0E-03	2.7E-09	1.6E-01	6.7E-01	2.8E-10	1.8E+01	7.7E-07	1.0E-03	1.4E-08	1.6E-01	6.7E-01	1.5E-09
317	9.4E+00	2.4E-07	1.0E-03	2.4E-09	1.6E-01	6.7E-01	2.5E-10	1.5E+01	7.7E-07	1.0E-03	1.2E-08	1.6E-01	6.7E-01	1.3E-09
318	8.4E+00	2.4E-07	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.3E-10	1.3E+01	7.7E-07	1.0E-03	1.0E-08	1.6E-01	6.7E-01	1.1E-09
319	7.6E+00	2.4E-07	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10	1.1E+01	7.7E-07	1.0E-03	8.9E-09	1.6E-01	6.7E-01	9.3E-10
320	6.9E+00	2.4E-07	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.8E-10	9.6E+00	7.7E-07	1.0E-03	7.7E-09	1.6E-01	6.7E-01	8.1E-10
321	6.2E+00	2.4E-07	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10	8.4E+00	7.7E-07	1.0E-03	6.8E-09	1.6E-01	6.7E-01	7.1E-10
322	5.7E+00	2.4E-07	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.5E-10	7.4E+00	7.7E-07	1.0E-03	6.0E-09	1.6E-01	6.7E-01	6.3E-10
323	5.2E+00	2.4E-07	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.4E-10	6.6E+00	7.7E-07	1.0E-03	5.3E-09	1.6E-01	6.7E-01	5.6E-10
324	4.8E+00	2.4E-07	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.3E-10	5.9E+00	7.7E-07	1.0E-03	4.8E-09	1.6E-01	6.7E-01	5.0E-10
325	1.8E+01	2.4E-07	1.0E-03	4.5E-09	1.6E-01	6.7E-01	4.7E-10	1.8E+01	7.7E-07	1.0E-03	1.4E-08	1.6E-01	6.7E-01	1.5E-09
326	2.3E+01	2.4E-07	1.0E-03	5.8E-09	1.6E-01	6.7E-01	6.1E-10	2.5E+01	7.7E-07	1.0E-03	2.0E-08	1.6E-01	6.7E-01	2.1E-09
327	2.9E+01	2.4E-07	1.0E-03	7.5E-09	1.6E-01	6.7E-01	7.9E-10	3.7E+01	7.7E-07	1.0E-03	2.9E-08	1.6E-01	6.7E-01	3.1E-09
328	3.8E+01	2.4E-07	1.0E-03	9.7E-09	1.6E-01	6.7E-01	1.0E-09	5.7E+01	7.7E-07	1.0E-03	4.6E-08	1.6E-01	6.7E-01	4.8E-09
329	4.8E+01	2.4E-07	1.0E-03	1.2E-08	1.6E-01	6.7E-01	1.3E-09	1.8E+01	7.7E-07	1.0E-03	1.4E-08	1.6E-01	6.7E-01	1.5E-09
330	5.4E+01	2.4E-07	1.0E-03	1.4E-08	1.6E-01	6.7E-01	1.5E-09	2.7E+01	7.7E-07	1.0E-03	2.2E-08	1.6E-01	6.7E-01	2.3E-09
331	5.3E+01	2.4E-07	1.0E-03	1.4E-08	1.6E-01	6.7E-01	1.4E-09	4.4E+01	7.7E-07	1.0E-03	3.5E-08	1.6E-01	6.7E-01	3.7E-09
332	4.7E+01	2.4E-07	1.0E-03	1.2E-08	1.6E-01	6.7E-01	1.3E-09	0.0E+00	7.7E-07	1.0E-03	0.0E+00	1.6E-01	6.7E-01	0.0E+00
333	4.0E+01	2.4E-07	1.0E-03	1.0E-08	1.6E-01	6.7E-01	1.1E-09	0.0E+00	7.7E-07	1.0E-03	0.0E+00	1.6E-01	6.7E-01	0.0E+00
334	3.4E+01	2.4E-07	1.0E-03	8.6E-09	1.6E-01	6.7E-01	9.1E-10	4.3E+01	7.7E-07	1.0E-03	3.5E-08	1.6E-01	6.7E-01	3.7E-09
335	2.9E+01	2.4E-07	1.0E-03	7.3E-09	1.6E-01	6.7E-01	7.7E-10	3.0E+01	7.7E-07	1.0E-03	2.4E-08	1.6E-01	6.7E-01	2.6E-09
336	2.4E+01	2.4E-07	1.0E-03	6.3E-09	1.6E-01	6.7E-01	6.6E-10	2.2E+01	7.7E-07	1.0E-03	1.8E-08	1.6E-01	6.7E-01	1.9E-09
337	2.1E+01	2.4E-07	1.0E-03	5.4E-09	1.6E-01	6.7E-01	5.7E-10	6.1E+01	7.7E-07	1.0E-03	5.0E-08	1.6E-01	6.7E-01	5.2E-09
338	1.8E+01	2.4E-07	1.0E-03	4.7E-09	1.6E-01	6.7E-01	4.9E-10	4.4E+01	7.7E-07	1.0E-03	3.6E-08	1.6E-01	6.7E-01	3.8E-09
339	1.6E+01	2.4E-07	1.0E-03	4.1E-09	1.6E-01	6.7E-01	4.3E-10	3.4E+01	7.7E-07	1.0E-03	2.7E-08	1.6E-01	6.7E-01	2.9E-09
340	1.4E+01	2.4E-07	1.0E-03	3.6E-09	1.6E-01	6.7E-01	3.8E-10	2.7E+01	7.7E-07	1.0E-03	2.2E-08	1.6E-01	6.7E-01	2.3E-09
341	1.2E+01	2.4E-07	1.0E-03	3.2E-09	1.6E-01	6.7E-01	3.3E-10	2.2E+01	7.7E-07	1.0E-03	1.7E-08	1.6E-01	6.7E-01	1.8E-09
342	1.1E+01	2.4E-07	1.0E-03	2.8E-09	1.6E-01	6.7E-01	2.9E-10	1.8E+01	7.7E-07	1.0E-03	1.4E-08	1.6E-01	6.7E-01	1.5E-09
343	9.7E+00	2.4E-07	1.0E-03	2.5E-09	1.6E-01	6.7E-01	2.6E-10	1.5E+01	7.7E-07	1.0E-03	1.2E-08	1.6E-01	6.7E-01	1.3E-09
344	8.7E+00	2.4E-07	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.3E-10	1.3E+01	7.7E-07	1.0E-03	1.0E-08	1.6E-01	6.7E-01	1.1E-09

Franklin School Project

Risk From Modernization Const - Mitigated Residential

	Haul Route 1A							Haul Route 2A						
Receptor #	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
345	7.8E+00	2.4E-07	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10	1.1E+01	7.7E-07	1.0E-03	8.8E-09	1.6E-01	6.7E-01	9.2E-10
346	7.0E+00	2.4E-07	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10	9.4E+00	7.7E-07	1.0E-03	7.6E-09	1.6E-01	6.7E-01	8.0E-10
347	6.3E+00	2.4E-07	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10	8.2E+00	7.7E-07	1.0E-03	6.7E-09	1.6E-01	6.7E-01	7.0E-10
348	5.7E+00	2.4E-07	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.5E-10	7.3E+00	7.7E-07	1.0E-03	5.9E-09	1.6E-01	6.7E-01	6.2E-10
349	5.2E+00	2.4E-07	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.4E-10	6.5E+00	7.7E-07	1.0E-03	5.2E-09	1.6E-01	6.7E-01	5.5E-10
350	4.8E+00	2.4E-07	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.3E-10	5.8E+00	7.7E-07	1.0E-03	4.7E-09	1.6E-01	6.7E-01	4.9E-10
351	2.1E+01	2.4E-07	1.0E-03	5.5E-09	1.6E-01	6.7E-01	5.7E-10	1.9E+01	7.7E-07	1.0E-03	1.5E-08	1.6E-01	6.7E-01	1.6E-09
352	2.9E+01	2.4E-07	1.0E-03	7.4E-09	1.6E-01	6.7E-01	7.8E-10	2.7E+01	7.7E-07	1.0E-03	2.2E-08	1.6E-01	6.7E-01	2.3E-09
353	4.0E+01	2.4E-07	1.0E-03	1.0E-08	1.6E-01	6.7E-01	1.1E-09	4.1E+01	7.7E-07	1.0E-03	3.3E-08	1.6E-01	6.7E-01	3.5E-09
354	5.7E+01	2.4E-07	1.0E-03	1.5E-08	1.6E-01	6.7E-01	1.5E-09	1.3E+01	7.7E-07	1.0E-03	1.1E-08	1.6E-01	6.7E-01	1.1E-09
355	2.2E+01	2.4E-07	1.0E-03	5.7E-09	1.6E-01	6.7E-01	6.0E-10	2.0E+01	7.7E-07	1.0E-03	1.6E-08	1.6E-01	6.7E-01	1.7E-09
356	2.5E+01	2.4E-07	1.0E-03	6.4E-09	1.6E-01	6.7E-01	6.7E-10	3.1E+01	7.7E-07	1.0E-03	2.5E-08	1.6E-01	6.7E-01	2.6E-09
357	2.6E+01	2.4E-07	1.0E-03	6.6E-09	1.6E-01	6.7E-01	6.9E-10	0.0E+00	7.7E-07	1.0E-03	0.0E+00	1.6E-01	6.7E-01	0.0E+00
358	6.8E+01	2.4E-07	1.0E-03	1.7E-08	1.6E-01	6.7E-01	1.8E-09	0.0E+00	7.7E-07	1.0E-03	0.0E+00	1.6E-01	6.7E-01	0.0E+00
359	5.2E+01	2.4E-07	1.0E-03	1.3E-08	1.6E-01	6.7E-01	1.4E-09	0.0E+00	7.7E-07	1.0E-03	0.0E+00	1.6E-01	6.7E-01	0.0E+00
360	4.1E+01	2.4E-07	1.0E-03	1.0E-08	1.6E-01	6.7E-01	1.1E-09	5.0E+01	7.7E-07	1.0E-03	4.0E-08	1.6E-01	6.7E-01	4.2E-09
361	3.3E+01	2.4E-07	1.0E-03	8.5E-09	1.6E-01	6.7E-01	8.9E-10	3.2E+01	7.7E-07	1.0E-03	2.6E-08	1.6E-01	6.7E-01	2.7E-09
362	2.8E+01	2.4E-07	1.0E-03	7.1E-09	1.6E-01	6.7E-01	7.4E-10	2.3E+01	7.7E-07	1.0E-03	1.9E-08	1.6E-01	6.7E-01	2.0E-09
363	2.3E+01	2.4E-07	1.0E-03	6.0E-09	1.6E-01	6.7E-01	6.3E-10	6.8E+01	7.7E-07	1.0E-03	5.5E-08	1.6E-01	6.7E-01	5.8E-09
364	2.0E+01	2.4E-07	1.0E-03	5.1E-09	1.6E-01	6.7E-01	5.3E-10	4.6E+01	7.7E-07	1.0E-03	3.8E-08	1.6E-01	6.7E-01	3.9E-09
365	1.7E+01	2.4E-07	1.0E-03	4.4E-09	1.6E-01	6.7E-01	4.6E-10	3.4E+01	7.7E-07	1.0E-03	2.8E-08	1.6E-01	6.7E-01	2.9E-09
366	1.5E+01	2.4E-07	1.0E-03	3.8E-09	1.6E-01	6.7E-01	4.0E-10	2.7E+01	7.7E-07	1.0E-03	2.2E-08	1.6E-01	6.7E-01	2.3E-09
367	1.3E+01	2.4E-07	1.0E-03	3.3E-09	1.6E-01	6.7E-01	3.5E-10	2.1E+01	7.7E-07	1.0E-03	1.7E-08	1.6E-01	6.7E-01	1.8E-09
368	1.1E+01	2.4E-07	1.0E-03	2.9E-09	1.6E-01	6.7E-01	3.0E-10	1.8E+01	7.7E-07	1.0E-03	1.4E-08	1.6E-01	6.7E-01	1.5E-09
369	9.9E+00	2.4E-07	1.0E-03	2.5E-09	1.6E-01	6.7E-01	2.7E-10	1.5E+01	7.7E-07	1.0E-03	1.2E-08	1.6E-01	6.7E-01	1.2E-09
370	8.8E+00	2.4E-07	1.0E-03	2.3E-09	1.6E-01	6.7E-01	2.4E-10	1.2E+01	7.7E-07	1.0E-03	1.0E-08	1.6E-01	6.7E-01	1.0E-09
371	7.8E+00	2.4E-07	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10	1.1E+01	7.7E-07	1.0E-03	8.5E-09	1.6E-01	6.7E-01	9.0E-10
372	7.0E+00	2.4E-07	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10	9.2E+00	7.7E-07	1.0E-03	7.4E-09	1.6E-01	6.7E-01	7.8E-10
373	6.3E+00	2.4E-07	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10	8.0E+00	7.7E-07	1.0E-03	6.5E-09	1.6E-01	6.7E-01	6.8E-10
374	5.7E+00	2.4E-07	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.5E-10	7.0E+00	7.7E-07	1.0E-03	5.7E-09	1.6E-01	6.7E-01	6.0E-10
375	5.2E+00	2.4E-07	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.4E-10	6.3E+00	7.7E-07	1.0E-03	5.1E-09	1.6E-01	6.7E-01	5.3E-10
376	4.7E+00	2.4E-07	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.3E-10	5.6E+00	7.7E-07	1.0E-03	4.5E-09	1.6E-01	6.7E-01	4.7E-10
377	2.5E+01	2.4E-07	1.0E-03	6.4E-09	1.6E-01	6.7E-01	6.8E-10	1.9E+01	7.7E-07	1.0E-03	1.5E-08	1.6E-01	6.7E-01	1.6E-09
378	3.6E+01	2.4E-07	1.0E-03	9.1E-09	1.6E-01	6.7E-01	9.6E-10	2.7E+01	7.7E-07	1.0E-03	2.2E-08	1.6E-01	6.7E-01	2.3E-09
379	5.3E+01	2.4E-07	1.0E-03	1.4E-08	1.6E-01	6.7E-01	1.4E-09	4.2E+01	7.7E-07	1.0E-03	3.4E-08	1.6E-01	6.7E-01	3.5E-09
380	2.8E+01	2.4E-07	1.0E-03	7.1E-09	1.6E-01	6.7E-01	7.5E-10	1.3E+01	7.7E-07	1.0E-03	1.1E-08	1.6E-01	6.7E-01	1.1E-09
381	3.4E+01	2.4E-07	1.0E-03	8.7E-09	1.6E-01	6.7E-01	9.2E-10	2.0E+01	7.7E-07	1.0E-03	1.6E-08	1.6E-01	6.7E-01	1.7E-09
382	1.3E+01	2.4E-07	1.0E-03	3.4E-09	1.6E-01	6.7E-01	3.5E-10	2.1E+01	7.7E-07	1.0E-03	1.7E-08	1.6E-01	6.7E-01	1.7E-09
383	1.1E+01	2.4E-07	1.0E-03	2.9E-09	1.6E-01	6.7E-01	3.1E-10	1.7E+01	7.7E-07	1.0E-03	1.4E-08	1.6E-01	6.7E-01	1.4E-09
384	1.0E+01	2.4E-07	1.0E-03	2.6E-09	1.6E-01	6.7E-01	2.7E-10	1.4E+01	7.7E-07	1.0E-03	1.1E-08	1.6E-01	6.7E-01	1.2E-09
385	8.8E+00	2.4E-07	1.0E-03	2.3E-09	1.6E-01	6.7E-01	2.4E-10	1.2E+01	7.7E-07	1.0E-03	9.6E-09	1.6E-01	6.7E-01	1.0E-09
386	7.8E+00	2.4E-07	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10	1.0E+01	7.7E-07	1.0E-03	8.2E-09	1.6E-01	6.7E-01	8.6E-10
387	7.0E+00	2.4E-07	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10	8.8E+00	7.7E-07	1.0E-03	7.1E-09	1.6E-01	6.7E-01	7.4E-10

Franklin School Project

Risk From Modernization Const - Mitigated Residential

	Haul Route 1A							Haul Route 2A						
Receptor #	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
388	6.3E+00	2.4E-07	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10	7.7E+00	7.7E-07	1.0E-03	6.2E-09	1.6E-01	6.7E-01	6.5E-10
389	5.6E+00	2.4E-07	1.0E-03	1.4E-09	1.6E-01	6.7E-01	1.5E-10	6.8E+00	7.7E-07	1.0E-03	5.5E-09	1.6E-01	6.7E-01	5.7E-10
390	5.1E+00	2.4E-07	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.4E-10	6.0E+00	7.7E-07	1.0E-03	4.9E-09	1.6E-01	6.7E-01	5.1E-10
391	4.6E+00	2.4E-07	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.2E-10	5.4E+00	7.7E-07	1.0E-03	4.3E-09	1.6E-01	6.7E-01	4.6E-10
392	2.9E+01	2.4E-07	1.0E-03	7.3E-09	1.6E-01	6.7E-01	7.7E-10	1.8E+01	7.7E-07	1.0E-03	1.5E-08	1.6E-01	6.7E-01	1.5E-09
393	4.2E+01	2.4E-07	1.0E-03	1.1E-08	1.6E-01	6.7E-01	1.1E-09	2.6E+01	7.7E-07	1.0E-03	2.1E-08	1.6E-01	6.7E-01	2.2E-09
394	6.4E+01	2.4E-07	1.0E-03	1.6E-08	1.6E-01	6.7E-01	1.7E-09	3.8E+01	7.7E-07	1.0E-03	3.1E-08	1.6E-01	6.7E-01	3.2E-09
395	4.2E+01	2.4E-07	1.0E-03	1.1E-08	1.6E-01	6.7E-01	1.1E-09	1.2E+01	7.7E-07	1.0E-03	1.0E-08	1.6E-01	6.7E-01	1.1E-09
396	5.7E+01	2.4E-07	1.0E-03	1.5E-08	1.6E-01	6.7E-01	1.5E-09	1.8E+01	7.7E-07	1.0E-03	1.5E-08	1.6E-01	6.7E-01	1.6E-09
397	1.3E+01	2.4E-07	1.0E-03	3.4E-09	1.6E-01	6.7E-01	3.6E-10	1.9E+01	7.7E-07	1.0E-03	1.5E-08	1.6E-01	6.7E-01	1.6E-09
398	1.1E+01	2.4E-07	1.0E-03	2.9E-09	1.6E-01	6.7E-01	3.1E-10	1.6E+01	7.7E-07	1.0E-03	1.3E-08	1.6E-01	6.7E-01	1.3E-09
399	1.0E+01	2.4E-07	1.0E-03	2.6E-09	1.6E-01	6.7E-01	2.7E-10	1.3E+01	7.7E-07	1.0E-03	1.1E-08	1.6E-01	6.7E-01	1.1E-09
400	8.8E+00	2.4E-07	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.4E-10	1.1E+01	7.7E-07	1.0E-03	9.0E-09	1.6E-01	6.7E-01	9.5E-10
401	7.7E+00	2.4E-07	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10	9.6E+00	7.7E-07	1.0E-03	7.7E-09	1.6E-01	6.7E-01	8.1E-10
402	6.9E+00	2.4E-07	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.8E-10	8.3E+00	7.7E-07	1.0E-03	6.7E-09	1.6E-01	6.7E-01	7.1E-10
403	6.1E+00	2.4E-07	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10	7.3E+00	7.7E-07	1.0E-03	5.9E-09	1.6E-01	6.7E-01	6.2E-10
404	5.5E+00	2.4E-07	1.0E-03	1.4E-09	1.6E-01	6.7E-01	1.5E-10	6.4E+00	7.7E-07	1.0E-03	5.2E-09	1.6E-01	6.7E-01	5.5E-10
405	5.0E+00	2.4E-07	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.3E-10	5.7E+00	7.7E-07	1.0E-03	4.6E-09	1.6E-01	6.7E-01	4.9E-10
406	4.5E+00	2.4E-07	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.2E-10	5.1E+00	7.7E-07	1.0E-03	4.1E-09	1.6E-01	6.7E-01	4.3E-10
407	3.1E+01	2.4E-07	1.0E-03	7.9E-09	1.6E-01	6.7E-01	8.3E-10	1.6E+01	7.7E-07	1.0E-03	1.3E-08	1.6E-01	6.7E-01	1.4E-09
408	4.5E+01	2.4E-07	1.0E-03	1.2E-08	1.6E-01	6.7E-01	1.2E-09	2.2E+01	7.7E-07	1.0E-03	1.8E-08	1.6E-01	6.7E-01	1.9E-09
409	7.1E+01	2.4E-07	1.0E-03	1.8E-08	1.6E-01	6.7E-01	1.9E-09	3.1E+01	7.7E-07	1.0E-03	2.5E-08	1.6E-01	6.7E-01	2.6E-09
410	1.7E+01	2.4E-07	1.0E-03	4.2E-09	1.6E-01	6.7E-01	4.4E-10	4.5E+01	7.7E-07	1.0E-03	3.6E-08	1.6E-01	6.7E-01	3.8E-09
411	2.0E+01	2.4E-07	1.0E-03	5.2E-09	1.6E-01	6.7E-01	5.4E-10	1.5E+01	7.7E-07	1.0E-03	1.2E-08	1.6E-01	6.7E-01	1.3E-09
412	1.3E+01	2.4E-07	1.0E-03	3.4E-09	1.6E-01	6.7E-01	3.5E-10	1.7E+01	7.7E-07	1.0E-03	1.4E-08	1.6E-01	6.7E-01	1.5E-09
413	1.1E+01	2.4E-07	1.0E-03	2.9E-09	1.6E-01	6.7E-01	3.0E-10	1.4E+01	7.7E-07	1.0E-03	1.2E-08	1.6E-01	6.7E-01	1.2E-09
414	9.8E+00	2.4E-07	1.0E-03	2.5E-09	1.6E-01	6.7E-01	2.6E-10	1.2E+01	7.7E-07	1.0E-03	9.8E-09	1.6E-01	6.7E-01	1.0E-09
415	8.6E+00	2.4E-07	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.3E-10	1.0E+01	7.7E-07	1.0E-03	8.4E-09	1.6E-01	6.7E-01	8.8E-10
416	7.6E+00	2.4E-07	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10	9.0E+00	7.7E-07	1.0E-03	7.2E-09	1.6E-01	6.7E-01	7.6E-10
417	6.7E+00	2.4E-07	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10	7.8E+00	7.7E-07	1.0E-03	6.3E-09	1.6E-01	6.7E-01	6.6E-10
418	6.0E+00	2.4E-07	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.6E-10	6.9E+00	7.7E-07	1.0E-03	5.5E-09	1.6E-01	6.7E-01	5.8E-10
419	5.4E+00	2.4E-07	1.0E-03	1.4E-09	1.6E-01	6.7E-01	1.4E-10	6.1E+00	7.7E-07	1.0E-03	4.9E-09	1.6E-01	6.7E-01	5.1E-10
420	4.9E+00	2.4E-07	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.3E-10	5.4E+00	7.7E-07	1.0E-03	4.4E-09	1.6E-01	6.7E-01	4.6E-10
421	4.4E+00	2.4E-07	1.0E-03	1.1E-09	1.6E-01	6.7E-01	1.2E-10	4.9E+00	7.7E-07	1.0E-03	3.9E-09	1.6E-01	6.7E-01	4.1E-10
422	3.2E+01	2.4E-07	1.0E-03	8.2E-09	1.6E-01	6.7E-01	8.6E-10	1.5E+01	7.7E-07	1.0E-03	1.2E-08	1.6E-01	6.7E-01	1.2E-09
423	4.7E+01	2.4E-07	1.0E-03	1.2E-08	1.6E-01	6.7E-01	1.3E-09	1.9E+01	7.7E-07	1.0E-03	1.5E-08	1.6E-01	6.7E-01	1.6E-09
424	7.5E+01	2.4E-07	1.0E-03	1.9E-08	1.6E-01	6.7E-01	2.0E-09	2.5E+01	7.7E-07	1.0E-03	2.0E-08	1.6E-01	6.7E-01	2.1E-09
425	6.2E+01	2.4E-07	1.0E-03	1.6E-08	1.6E-01	6.7E-01	1.7E-09	3.3E+01	7.7E-07	1.0E-03	2.7E-08	1.6E-01	6.7E-01	2.8E-09
426	3.4E+01	2.4E-07	1.0E-03	8.6E-09	1.6E-01	6.7E-01	9.1E-10	4.4E+01	7.7E-07	1.0E-03	3.5E-08	1.6E-01	6.7E-01	3.7E-09
427	1.3E+01	2.4E-07	1.0E-03	3.3E-09	1.6E-01	6.7E-01	3.4E-10	1.5E+01	7.7E-07	1.0E-03	1.2E-08	1.6E-01	6.7E-01	1.3E-09
428	1.1E+01	2.4E-07	1.0E-03	2.8E-09	1.6E-01	6.7E-01	3.0E-10	1.3E+01	7.7E-07	1.0E-03	1.0E-08	1.6E-01	6.7E-01	1.1E-09
429	9.5E+00	2.4E-07	1.0E-03	2.4E-09	1.6E-01	6.7E-01	2.6E-10	1.1E+01	7.7E-07	1.0E-03	9.0E-09	1.6E-01	6.7E-01	9.4E-10
430	8.3E+00	2.4E-07	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.2E-10	9.6E+00	7.7E-07	1.0E-03	7.7E-09	1.6E-01	6.7E-01	8.1E-10

Franklin School Project

Risk From Modernization Const - Mitigated Residential

	Haul Route 1A							Haul Route 2A						
Receptor #	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
431	7.3E+00	2.4E-07	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10	8.3E+00	7.7E-07	1.0E-03	6.7E-09	1.6E-01	6.7E-01	7.1E-10
432	6.5E+00	2.4E-07	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.7E-10	7.3E+00	7.7E-07	1.0E-03	5.9E-09	1.6E-01	6.7E-01	6.2E-10
433	5.8E+00	2.4E-07	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.6E-10	6.4E+00	7.7E-07	1.0E-03	5.2E-09	1.6E-01	6.7E-01	5.5E-10
434	5.2E+00	2.4E-07	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.4E-10	5.7E+00	7.7E-07	1.0E-03	4.6E-09	1.6E-01	6.7E-01	4.8E-10
435	4.7E+00	2.4E-07	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.3E-10	5.1E+00	7.7E-07	1.0E-03	4.1E-09	1.6E-01	6.7E-01	4.3E-10
436	4.3E+00	2.4E-07	1.0E-03	1.1E-09	1.6E-01	6.7E-01	1.1E-10	4.6E+00	7.7E-07	1.0E-03	3.7E-09	1.6E-01	6.7E-01	3.9E-10
437	3.2E+01	2.4E-07	1.0E-03	8.2E-09	1.6E-01	6.7E-01	8.6E-10	1.3E+01	7.7E-07	1.0E-03	1.0E-08	1.6E-01	6.7E-01	1.1E-09
438	4.7E+01	2.4E-07	1.0E-03	1.2E-08	1.6E-01	6.7E-01	1.3E-09	1.6E+01	7.7E-07	1.0E-03	1.3E-08	1.6E-01	6.7E-01	1.3E-09
439	7.4E+01	2.4E-07	1.0E-03	1.9E-08	1.6E-01	6.7E-01	2.0E-09	2.0E+01	7.7E-07	1.0E-03	1.6E-08	1.6E-01	6.7E-01	1.7E-09
440	6.2E+01	2.4E-07	1.0E-03	1.6E-08	1.6E-01	6.7E-01	1.7E-09	2.4E+01	7.7E-07	1.0E-03	2.0E-08	1.6E-01	6.7E-01	2.1E-09
441	3.0E+01	2.4E-07	1.0E-03	7.6E-09	1.6E-01	6.7E-01	8.0E-10	3.0E+01	7.7E-07	1.0E-03	2.5E-08	1.6E-01	6.7E-01	2.6E-09
442	1.2E+01	2.4E-07	1.0E-03	3.1E-09	1.6E-01	6.7E-01	3.3E-10	1.3E+01	7.7E-07	1.0E-03	1.1E-08	1.6E-01	6.7E-01	1.1E-09
443	1.1E+01	2.4E-07	1.0E-03	2.7E-09	1.6E-01	6.7E-01	2.8E-10	1.2E+01	7.7E-07	1.0E-03	9.4E-09	1.6E-01	6.7E-01	9.8E-10
444	9.1E+00	2.4E-07	1.0E-03	2.3E-09	1.6E-01	6.7E-01	2.5E-10	1.0E+01	7.7E-07	1.0E-03	8.1E-09	1.6E-01	6.7E-01	8.5E-10
445	8.0E+00	2.4E-07	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.2E-10	8.7E+00	7.7E-07	1.0E-03	7.1E-09	1.6E-01	6.7E-01	7.4E-10
446	7.0E+00	2.4E-07	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10	7.7E+00	7.7E-07	1.0E-03	6.2E-09	1.6E-01	6.7E-01	6.5E-10
447	6.2E+00	2.4E-07	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10	6.8E+00	7.7E-07	1.0E-03	5.5E-09	1.6E-01	6.7E-01	5.7E-10
448	5.6E+00	2.4E-07	1.0E-03	1.4E-09	1.6E-01	6.7E-01	1.5E-10	6.0E+00	7.7E-07	1.0E-03	4.8E-09	1.6E-01	6.7E-01	5.1E-10
449	5.0E+00	2.4E-07	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.3E-10	5.3E+00	7.7E-07	1.0E-03	4.3E-09	1.6E-01	6.7E-01	4.5E-10
450	4.5E+00	2.4E-07	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.2E-10	4.8E+00	7.7E-07	1.0E-03	3.9E-09	1.6E-01	6.7E-01	4.1E-10
451	4.1E+00	2.4E-07	1.0E-03	1.0E-09	1.6E-01	6.7E-01	1.1E-10	4.3E+00	7.7E-07	1.0E-03	3.5E-09	1.6E-01	6.7E-01	3.7E-10
452	3.0E+01	2.4E-07	1.0E-03	7.8E-09	1.6E-01	6.7E-01	8.2E-10	1.1E+01	7.7E-07	1.0E-03	8.6E-09	1.6E-01	6.7E-01	9.1E-10
453	4.5E+01	2.4E-07	1.0E-03	1.1E-08	1.6E-01	6.7E-01	1.2E-09	1.3E+01	7.7E-07	1.0E-03	1.0E-08	1.6E-01	6.7E-01	1.1E-09
454	7.0E+01	2.4E-07	1.0E-03	1.8E-08	1.6E-01	6.7E-01	1.9E-09	1.6E+01	7.7E-07	1.0E-03	1.3E-08	1.6E-01	6.7E-01	1.3E-09
455	1.5E+01	2.4E-07	1.0E-03	3.8E-09	1.6E-01	6.7E-01	4.0E-10	1.9E+01	7.7E-07	1.0E-03	1.5E-08	1.6E-01	6.7E-01	1.6E-09
456	1.8E+01	2.4E-07	1.0E-03	4.5E-09	1.6E-01	6.7E-01	4.8E-10	2.2E+01	7.7E-07	1.0E-03	1.8E-08	1.6E-01	6.7E-01	1.9E-09
457	1.2E+01	2.4E-07	1.0E-03	3.0E-09	1.6E-01	6.7E-01	3.1E-10	1.2E+01	7.7E-07	1.0E-03	9.5E-09	1.6E-01	6.7E-01	1.0E-09
458	1.0E+01	2.4E-07	1.0E-03	2.6E-09	1.6E-01	6.7E-01	2.7E-10	1.0E+01	7.7E-07	1.0E-03	8.3E-09	1.6E-01	6.7E-01	8.7E-10
459	8.7E+00	2.4E-07	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.3E-10	9.0E+00	7.7E-07	1.0E-03	7.3E-09	1.6E-01	6.7E-01	7.7E-10
460	7.6E+00	2.4E-07	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10	7.9E+00	7.7E-07	1.0E-03	6.4E-09	1.6E-01	6.7E-01	6.7E-10
461	6.7E+00	2.4E-07	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10	7.0E+00	7.7E-07	1.0E-03	5.7E-09	1.6E-01	6.7E-01	6.0E-10
462	6.0E+00	2.4E-07	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.6E-10	6.2E+00	7.7E-07	1.0E-03	5.0E-09	1.6E-01	6.7E-01	5.3E-10
463	5.3E+00	2.4E-07	1.0E-03	1.4E-09	1.6E-01	6.7E-01	1.4E-10	5.6E+00	7.7E-07	1.0E-03	4.5E-09	1.6E-01	6.7E-01	4.7E-10
464	4.8E+00	2.4E-07	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.3E-10	5.0E+00	7.7E-07	1.0E-03	4.1E-09	1.6E-01	6.7E-01	4.3E-10
465	4.3E+00	2.4E-07	1.0E-03	1.1E-09	1.6E-01	6.7E-01	1.2E-10	4.5E+00	7.7E-07	1.0E-03	3.6E-09	1.6E-01	6.7E-01	3.8E-10
466	3.9E+00	2.4E-07	1.0E-03	1.0E-09	1.6E-01	6.7E-01	1.1E-10	4.1E+00	7.7E-07	1.0E-03	3.3E-09	1.6E-01	6.7E-01	3.5E-10
467	2.8E+01	2.4E-07	1.0E-03	7.1E-09	1.6E-01	6.7E-01	7.4E-10	9.1E+00	7.7E-07	1.0E-03	7.3E-09	1.6E-01	6.7E-01	7.7E-10
468	4.0E+01	2.4E-07	1.0E-03	1.0E-08	1.6E-01	6.7E-01	1.1E-09	1.1E+01	7.7E-07	1.0E-03	8.6E-09	1.6E-01	6.7E-01	9.1E-10
469	6.1E+01	2.4E-07	1.0E-03	1.6E-08	1.6E-01	6.7E-01	1.6E-09	1.3E+01	7.7E-07	1.0E-03	1.0E-08	1.6E-01	6.7E-01	1.1E-09
470	3.9E+01	2.4E-07	1.0E-03	9.9E-09	1.6E-01	6.7E-01	1.0E-09	1.5E+01	7.7E-07	1.0E-03	1.2E-08	1.6E-01	6.7E-01	1.3E-09
471	5.0E+01	2.4E-07	1.0E-03	1.3E-08	1.6E-01	6.7E-01	1.4E-09	1.7E+01	7.7E-07	1.0E-03	1.4E-08	1.6E-01	6.7E-01	1.5E-09
472	1.1E+01	2.4E-07	1.0E-03	2.8E-09	1.6E-01	6.7E-01	2.9E-10	1.0E+01	7.7E-07	1.0E-03	8.3E-09	1.6E-01	6.7E-01	8.7E-10
473	9.3E+00	2.4E-07	1.0E-03	2.4E-09	1.6E-01	6.7E-01	2.5E-10	9.1E+00	7.7E-07	1.0E-03	7.4E-09	1.6E-01	6.7E-01	7.8E-10

Franklin School Project

Risk From Modernization Const - Mitigated Residential

	Haul Route 1A							Haul Route 2A						
Receptor #	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
474	8.2E+00	2.4E-07	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.2E-10	8.1E+00	7.7E-07	1.0E-03	6.6E-09	1.6E-01	6.7E-01	6.9E-10
475	7.2E+00	2.4E-07	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10	7.2E+00	7.7E-07	1.0E-03	5.8E-09	1.6E-01	6.7E-01	6.1E-10
476	6.3E+00	2.4E-07	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10	6.4E+00	7.7E-07	1.0E-03	5.2E-09	1.6E-01	6.7E-01	5.5E-10
477	5.7E+00	2.4E-07	1.0E-03	1.4E-09	1.6E-01	6.7E-01	1.5E-10	5.8E+00	7.7E-07	1.0E-03	4.7E-09	1.6E-01	6.7E-01	4.9E-10
478	5.1E+00	2.4E-07	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.4E-10	5.2E+00	7.7E-07	1.0E-03	4.2E-09	1.6E-01	6.7E-01	4.4E-10
479	4.6E+00	2.4E-07	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.2E-10	4.7E+00	7.7E-07	1.0E-03	3.8E-09	1.6E-01	6.7E-01	4.0E-10
480	4.1E+00	2.4E-07	1.0E-03	1.1E-09	1.6E-01	6.7E-01	1.1E-10	4.2E+00	7.7E-07	1.0E-03	3.4E-09	1.6E-01	6.7E-01	3.6E-10
481	3.7E+00	2.4E-07	1.0E-03	9.6E-10	1.6E-01	6.7E-01	1.0E-10	3.9E+00	7.7E-07	1.0E-03	3.1E-09	1.6E-01	6.7E-01	3.3E-10
482	2.4E+01	2.4E-07	1.0E-03	6.1E-09	1.6E-01	6.7E-01	6.5E-10	7.8E+00	7.7E-07	1.0E-03	6.3E-09	1.6E-01	6.7E-01	6.6E-10
483	3.4E+01	2.4E-07	1.0E-03	8.6E-09	1.6E-01	6.7E-01	9.0E-10	9.0E+00	7.7E-07	1.0E-03	7.3E-09	1.6E-01	6.7E-01	7.6E-10
484	5.0E+01	2.4E-07	1.0E-03	1.3E-08	1.6E-01	6.7E-01	1.3E-09	1.0E+01	7.7E-07	1.0E-03	8.4E-09	1.6E-01	6.7E-01	8.8E-10
485	2.6E+01	2.4E-07	1.0E-03	6.6E-09	1.6E-01	6.7E-01	6.9E-10	1.2E+01	7.7E-07	1.0E-03	9.7E-09	1.6E-01	6.7E-01	1.0E-09
486	3.1E+01	2.4E-07	1.0E-03	7.8E-09	1.6E-01	6.7E-01	8.2E-10	1.4E+01	7.7E-07	1.0E-03	1.1E-08	1.6E-01	6.7E-01	1.2E-09
487	9.9E+00	2.4E-07	1.0E-03	2.5E-09	1.6E-01	6.7E-01	2.7E-10	9.1E+00	7.7E-07	1.0E-03	7.3E-09	1.6E-01	6.7E-01	7.7E-10
488	8.7E+00	2.4E-07	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.3E-10	8.1E+00	7.7E-07	1.0E-03	6.6E-09	1.6E-01	6.7E-01	6.9E-10
489	7.6E+00	2.4E-07	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10	7.3E+00	7.7E-07	1.0E-03	5.9E-09	1.6E-01	6.7E-01	6.2E-10
490	6.7E+00	2.4E-07	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10	6.6E+00	7.7E-07	1.0E-03	5.3E-09	1.6E-01	6.7E-01	5.6E-10
491	6.0E+00	2.4E-07	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.6E-10	5.9E+00	7.7E-07	1.0E-03	4.8E-09	1.6E-01	6.7E-01	5.0E-10
492	5.3E+00	2.4E-07	1.0E-03	1.4E-09	1.6E-01	6.7E-01	1.4E-10	5.3E+00	7.7E-07	1.0E-03	4.3E-09	1.6E-01	6.7E-01	4.5E-10
493	4.8E+00	2.4E-07	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.3E-10	4.8E+00	7.7E-07	1.0E-03	3.9E-09	1.6E-01	6.7E-01	4.1E-10
494	4.3E+00	2.4E-07	1.0E-03	1.1E-09	1.6E-01	6.7E-01	1.2E-10	4.4E+00	7.7E-07	1.0E-03	3.5E-09	1.6E-01	6.7E-01	3.7E-10
495	3.9E+00	2.4E-07	1.0E-03	1.0E-09	1.6E-01	6.7E-01	1.1E-10	4.0E+00	7.7E-07	1.0E-03	3.2E-09	1.6E-01	6.7E-01	3.4E-10
496	3.6E+00	2.4E-07	1.0E-03	9.2E-10	1.6E-01	6.7E-01	9.6E-11	3.6E+00	7.7E-07	1.0E-03	2.9E-09	1.6E-01	6.7E-01	3.1E-10
497	2.0E+01	2.4E-07	1.0E-03	5.2E-09	1.6E-01	6.7E-01	5.5E-10	6.7E+00	7.7E-07	1.0E-03	5.4E-09	1.6E-01	6.7E-01	5.7E-10
498	2.7E+01	2.4E-07	1.0E-03	7.0E-09	1.6E-01	6.7E-01	7.4E-10	7.7E+00	7.7E-07	1.0E-03	6.2E-09	1.6E-01	6.7E-01	6.5E-10
499	3.8E+01	2.4E-07	1.0E-03	9.7E-09	1.6E-01	6.7E-01	1.0E-09	8.8E+00	7.7E-07	1.0E-03	7.1E-09	1.6E-01	6.7E-01	7.4E-10
500	5.3E+01	2.4E-07	1.0E-03	1.4E-08	1.6E-01	6.7E-01	1.4E-09	1.0E+01	7.7E-07	1.0E-03	8.1E-09	1.6E-01	6.7E-01	8.5E-10
501	2.0E+01	2.4E-07	1.0E-03	5.2E-09	1.6E-01	6.7E-01	5.5E-10	1.1E+01	7.7E-07	1.0E-03	9.0E-09	1.6E-01	6.7E-01	9.5E-10
502	9.1E+00	2.4E-07	1.0E-03	2.3E-09	1.6E-01	6.7E-01	2.5E-10	8.0E+00	7.7E-07	1.0E-03	6.5E-09	1.6E-01	6.7E-01	6.8E-10
503	8.0E+00	2.4E-07	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.2E-10	7.3E+00	7.7E-07	1.0E-03	5.9E-09	1.6E-01	6.7E-01	6.2E-10
504	7.1E+00	2.4E-07	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10	6.6E+00	7.7E-07	1.0E-03	5.3E-09	1.6E-01	6.7E-01	5.6E-10
505	6.3E+00	2.4E-07	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10	6.0E+00	7.7E-07	1.0E-03	4.8E-09	1.6E-01	6.7E-01	5.1E-10
506	5.6E+00	2.4E-07	1.0E-03	1.4E-09	1.6E-01	6.7E-01	1.5E-10	5.4E+00	7.7E-07	1.0E-03	4.4E-09	1.6E-01	6.7E-01	4.6E-10
507	5.0E+00	2.4E-07	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.4E-10	4.9E+00	7.7E-07	1.0E-03	4.0E-09	1.6E-01	6.7E-01	4.2E-10
508	4.5E+00	2.4E-07	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.2E-10	4.5E+00	7.7E-07	1.0E-03	3.6E-09	1.6E-01	6.7E-01	3.8E-10
509	4.1E+00	2.4E-07	1.0E-03	1.1E-09	1.6E-01	6.7E-01	1.1E-10	4.1E+00	7.7E-07	1.0E-03	3.3E-09	1.6E-01	6.7E-01	3.5E-10
510	3.7E+00	2.4E-07	1.0E-03	9.6E-10	1.6E-01	6.7E-01	1.0E-10	3.8E+00	7.7E-07	1.0E-03	3.0E-09	1.6E-01	6.7E-01	3.2E-10
511	3.4E+00	2.4E-07	1.0E-03	8.7E-10	1.6E-01	6.7E-01	9.2E-11	3.4E+00	7.7E-07	1.0E-03	2.8E-09	1.6E-01	6.7E-01	2.9E-10
512	1.7E+01	2.4E-07	1.0E-03	4.3E-09	1.6E-01	6.7E-01	4.5E-10	5.9E+00	7.7E-07	1.0E-03	4.7E-09	1.6E-01	6.7E-01	5.0E-10
513	2.2E+01	2.4E-07	1.0E-03	5.5E-09	1.6E-01	6.7E-01	5.8E-10	6.6E+00	7.7E-07	1.0E-03	5.3E-09	1.6E-01	6.7E-01	5.6E-10
514	2.8E+01	2.4E-07	1.0E-03	7.1E-09	1.6E-01	6.7E-01	7.5E-10	7.4E+00	7.7E-07	1.0E-03	6.0E-09	1.6E-01	6.7E-01	6.3E-10
515	3.6E+01	2.4E-07	1.0E-03	9.1E-09	1.6E-01	6.7E-01	9.6E-10	8.3E+00	7.7E-07	1.0E-03	6.7E-09	1.6E-01	6.7E-01	7.1E-10
516	4.3E+01	2.4E-07	1.0E-03	1.1E-08	1.6E-01	6.7E-01	1.1E-09	9.2E+00	7.7E-07	1.0E-03	7.4E-09	1.6E-01	6.7E-01	7.8E-10

Franklin School Project

Risk From Modernization Const - Mitigated Residential

	Haul Route 1A							Haul Route 2A						
Receptor #	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
517	8.3E+00	2.4E-07	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.2E-10	7.1E+00	7.7E-07	1.0E-03	5.8E-09	1.6E-01	6.7E-01	6.1E-10
518	7.4E+00	2.4E-07	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10	6.6E+00	7.7E-07	1.0E-03	5.3E-09	1.6E-01	6.7E-01	5.6E-10
519	6.5E+00	2.4E-07	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10	6.0E+00	7.7E-07	1.0E-03	4.8E-09	1.6E-01	6.7E-01	5.1E-10
520	5.8E+00	2.4E-07	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.6E-10	5.5E+00	7.7E-07	1.0E-03	4.4E-09	1.6E-01	6.7E-01	4.6E-10
521	5.2E+00	2.4E-07	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.4E-10	5.0E+00	7.7E-07	1.0E-03	4.0E-09	1.6E-01	6.7E-01	4.2E-10
522	4.7E+00	2.4E-07	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.3E-10	4.6E+00	7.7E-07	1.0E-03	3.7E-09	1.6E-01	6.7E-01	3.9E-10
523	4.3E+00	2.4E-07	1.0E-03	1.1E-09	1.6E-01	6.7E-01	1.1E-10	4.2E+00	7.7E-07	1.0E-03	3.4E-09	1.6E-01	6.7E-01	3.6E-10
524	3.9E+00	2.4E-07	1.0E-03	9.9E-10	1.6E-01	6.7E-01	1.0E-10	3.8E+00	7.7E-07	1.0E-03	3.1E-09	1.6E-01	6.7E-01	3.3E-10
525	3.5E+00	2.4E-07	1.0E-03	9.1E-10	1.6E-01	6.7E-01	9.5E-11	3.5E+00	7.7E-07	1.0E-03	2.9E-09	1.6E-01	6.7E-01	3.0E-10
526	3.2E+00	2.4E-07	1.0E-03	8.3E-10	1.6E-01	6.7E-01	8.7E-11	3.2E+00	7.7E-07	1.0E-03	2.6E-09	1.6E-01	6.7E-01	2.7E-10
527	1.4E+01	2.4E-07	1.0E-03	3.6E-09	1.6E-01	6.7E-01	3.7E-10	5.2E+00	7.7E-07	1.0E-03	4.2E-09	1.6E-01	6.7E-01	4.4E-10
528	1.7E+01	2.4E-07	1.0E-03	4.4E-09	1.6E-01	6.7E-01	4.6E-10	5.8E+00	7.7E-07	1.0E-03	4.7E-09	1.6E-01	6.7E-01	4.9E-10
529	2.1E+01	2.4E-07	1.0E-03	5.4E-09	1.6E-01	6.7E-01	5.6E-10	6.4E+00	7.7E-07	1.0E-03	5.2E-09	1.6E-01	6.7E-01	5.4E-10
530	2.5E+01	2.4E-07	1.0E-03	6.4E-09	1.6E-01	6.7E-01	6.7E-10	7.1E+00	7.7E-07	1.0E-03	5.7E-09	1.6E-01	6.7E-01	6.0E-10
531	2.8E+01	2.4E-07	1.0E-03	7.2E-09	1.6E-01	6.7E-01	7.5E-10	7.8E+00	7.7E-07	1.0E-03	6.3E-09	1.6E-01	6.7E-01	6.6E-10
532	7.6E+00	2.4E-07	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10	6.4E+00	7.7E-07	1.0E-03	5.2E-09	1.6E-01	6.7E-01	5.4E-10
533	6.8E+00	2.4E-07	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10	5.9E+00	7.7E-07	1.0E-03	4.8E-09	1.6E-01	6.7E-01	5.0E-10
534	6.0E+00	2.4E-07	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.6E-10	5.4E+00	7.7E-07	1.0E-03	4.4E-09	1.6E-01	6.7E-01	4.6E-10
535	5.4E+00	2.4E-07	1.0E-03	1.4E-09	1.6E-01	6.7E-01	1.4E-10	5.0E+00	7.7E-07	1.0E-03	4.0E-09	1.6E-01	6.7E-01	4.2E-10
536	4.9E+00	2.4E-07	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.3E-10	4.6E+00	7.7E-07	1.0E-03	3.7E-09	1.6E-01	6.7E-01	3.9E-10
537	4.4E+00	2.4E-07	1.0E-03	1.1E-09	1.6E-01	6.7E-01	1.2E-10	4.2E+00	7.7E-07	1.0E-03	3.4E-09	1.6E-01	6.7E-01	3.6E-10
538	4.0E+00	2.4E-07	1.0E-03	1.0E-09	1.6E-01	6.7E-01	1.1E-10	3.9E+00	7.7E-07	1.0E-03	3.1E-09	1.6E-01	6.7E-01	3.3E-10
539	3.7E+00	2.4E-07	1.0E-03	9.4E-10	1.6E-01	6.7E-01	9.8E-11	3.6E+00	7.7E-07	1.0E-03	2.9E-09	1.6E-01	6.7E-01	3.0E-10
540	3.3E+00	2.4E-07	1.0E-03	8.5E-10	1.6E-01	6.7E-01	9.0E-11	3.3E+00	7.7E-07	1.0E-03	2.7E-09	1.6E-01	6.7E-01	2.8E-10
541	3.0E+00	2.4E-07	1.0E-03	7.8E-10	1.6E-01	6.7E-01	8.2E-11	3.0E+00	7.7E-07	1.0E-03	2.5E-09	1.6E-01	6.7E-01	2.6E-10
542	1.2E+01	2.4E-07	1.0E-03	3.0E-09	1.6E-01	6.7E-01	3.1E-10	4.6E+00	7.7E-07	1.0E-03	3.7E-09	1.6E-01	6.7E-01	3.9E-10
543	1.4E+01	2.4E-07	1.0E-03	3.5E-09	1.6E-01	6.7E-01	3.7E-10	5.1E+00	7.7E-07	1.0E-03	4.1E-09	1.6E-01	6.7E-01	4.3E-10
544	1.6E+01	2.4E-07	1.0E-03	4.1E-09	1.6E-01	6.7E-01	4.3E-10	5.6E+00	7.7E-07	1.0E-03	4.5E-09	1.6E-01	6.7E-01	4.8E-10
545	1.8E+01	2.4E-07	1.0E-03	4.7E-09	1.6E-01	6.7E-01	4.9E-10	6.1E+00	7.7E-07	1.0E-03	4.9E-09	1.6E-01	6.7E-01	5.2E-10
546	2.0E+01	2.4E-07	1.0E-03	5.1E-09	1.6E-01	6.7E-01	5.4E-10	6.6E+00	7.7E-07	1.0E-03	5.3E-09	1.6E-01	6.7E-01	5.6E-10
547	6.9E+00	2.4E-07	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10	5.7E+00	7.7E-07	1.0E-03	4.6E-09	1.6E-01	6.7E-01	4.9E-10
548	6.2E+00	2.4E-07	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10	5.3E+00	7.7E-07	1.0E-03	4.3E-09	1.6E-01	6.7E-01	4.5E-10
549	5.5E+00	2.4E-07	1.0E-03	1.4E-09	1.6E-01	6.7E-01	1.5E-10	4.9E+00	7.7E-07	1.0E-03	4.0E-09	1.6E-01	6.7E-01	4.2E-10
550	5.0E+00	2.4E-07	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.3E-10	4.6E+00	7.7E-07	1.0E-03	3.7E-09	1.6E-01	6.7E-01	3.9E-10
551	4.5E+00	2.4E-07	1.0E-03	1.1E-09	1.6E-01	6.7E-01	1.2E-10	4.2E+00	7.7E-07	1.0E-03	3.4E-09	1.6E-01	6.7E-01	3.5E-10
552	4.0E+00	2.4E-07	1.0E-03	1.0E-09	1.6E-01	6.7E-01	1.1E-10	3.8E+00	7.7E-07	1.0E-03	3.1E-09	1.6E-01	6.7E-01	3.3E-10
553	3.7E+00	2.4E-07	1.0E-03	9.5E-10	1.6E-01	6.7E-01	9.9E-11	3.6E+00	7.7E-07	1.0E-03	2.9E-09	1.6E-01	6.7E-01	3.0E-10
554	3.4E+00	2.4E-07	1.0E-03	8.7E-10	1.6E-01	6.7E-01	9.1E-11	3.3E+00	7.7E-07	1.0E-03	2.7E-09	1.6E-01	6.7E-01	2.8E-10
555	3.1E+00	2.4E-07	1.0E-03	8.0E-10	1.6E-01	6.7E-01	8.4E-11	3.1E+00	7.7E-07	1.0E-03	2.5E-09	1.6E-01	6.7E-01	2.6E-10
556	2.9E+00	2.4E-07	1.0E-03	7.3E-10	1.6E-01	6.7E-01	7.7E-11	2.8E+00	7.7E-07	1.0E-03	2.3E-09	1.6E-01	6.7E-01	2.4E-10
557	9.6E+00	2.4E-07	1.0E-03	2.5E-09	1.6E-01	6.7E-01	2.6E-10	4.1E+00	7.7E-07	1.0E-03	3.3E-09	1.6E-01	6.7E-01	3.5E-10
558	1.1E+01	2.4E-07	1.0E-03	2.9E-09	1.6E-01	6.7E-01	3.0E-10	4.5E+00	7.7E-07	1.0E-03	3.6E-09	1.6E-01	6.7E-01	3.8E-10
559	1.3E+01	2.4E-07	1.0E-03	3.3E-09	1.6E-01	6.7E-01	3.4E-10	4.9E+00	7.7E-07	1.0E-03	4.0E-09	1.6E-01	6.7E-01	4.2E-10

Franklin School Project

Risk From Modernization Const - Mitigated Residential

	Haul Route 1A							Haul Route 2A						
Receptor #	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
560	1.4E+01	2.4E-07	1.0E-03	3.6E-09	1.6E-01	6.7E-01	3.8E-10	5.3E+00	7.7E-07	1.0E-03	4.3E-09	1.6E-01	6.7E-01	4.5E-10
561	1.5E+01	2.4E-07	1.0E-03	3.9E-09	1.6E-01	6.7E-01	4.1E-10	5.7E+00	7.7E-07	1.0E-03	4.6E-09	1.6E-01	6.7E-01	4.8E-10
562	5.7E+00	2.4E-07	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.5E-10	4.9E+00	7.7E-07	1.0E-03	3.9E-09	1.6E-01	6.7E-01	4.1E-10
563	5.1E+00	2.4E-07	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.4E-10	4.5E+00	7.7E-07	1.0E-03	3.7E-09	1.6E-01	6.7E-01	3.8E-10
564	4.6E+00	2.4E-07	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.2E-10	4.2E+00	7.7E-07	1.0E-03	3.4E-09	1.6E-01	6.7E-01	3.6E-10
565	4.1E+00	2.4E-07	1.0E-03	1.0E-09	1.6E-01	6.7E-01	1.1E-10	3.8E+00	7.7E-07	1.0E-03	3.0E-09	1.6E-01	6.7E-01	3.2E-10
566	3.7E+00	2.4E-07	1.0E-03	9.4E-10	1.6E-01	6.7E-01	9.9E-11	3.5E+00	7.7E-07	1.0E-03	2.8E-09	1.6E-01	6.7E-01	3.0E-10
567	3.4E+00	2.4E-07	1.0E-03	8.6E-10	1.6E-01	6.7E-01	9.1E-11	3.2E+00	7.7E-07	1.0E-03	2.6E-09	1.6E-01	6.7E-01	2.7E-10
568	3.1E+00	2.4E-07	1.0E-03	7.9E-10	1.6E-01	6.7E-01	8.3E-11	3.0E+00	7.7E-07	1.0E-03	2.4E-09	1.6E-01	6.7E-01	2.6E-10
569	2.9E+00	2.4E-07	1.0E-03	7.3E-10	1.6E-01	6.7E-01	7.7E-11	2.8E+00	7.7E-07	1.0E-03	2.3E-09	1.6E-01	6.7E-01	2.4E-10
570	2.7E+00	2.4E-07	1.0E-03	6.8E-10	1.6E-01	6.7E-01	7.2E-11	2.6E+00	7.7E-07	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.2E-10
571	8.2E+00	2.4E-07	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.2E-10	3.7E+00	7.7E-07	1.0E-03	3.0E-09	1.6E-01	6.7E-01	3.1E-10
572	9.3E+00	2.4E-07	1.0E-03	2.4E-09	1.6E-01	6.7E-01	2.5E-10	4.0E+00	7.7E-07	1.0E-03	3.2E-09	1.6E-01	6.7E-01	3.4E-10
573	1.0E+01	2.4E-07	1.0E-03	2.6E-09	1.6E-01	6.7E-01	2.8E-10	4.3E+00	7.7E-07	1.0E-03	3.5E-09	1.6E-01	6.7E-01	3.7E-10
574	1.1E+01	2.4E-07	1.0E-03	2.9E-09	1.6E-01	6.7E-01	3.0E-10	4.7E+00	7.7E-07	1.0E-03	3.8E-09	1.6E-01	6.7E-01	4.0E-10
575	1.2E+01	2.4E-07	1.0E-03	3.0E-09	1.6E-01	6.7E-01	3.2E-10	5.0E+00	7.7E-07	1.0E-03	4.0E-09	1.6E-01	6.7E-01	4.2E-10
576	4.8E+00	2.4E-07	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.3E-10	4.2E+00	7.7E-07	1.0E-03	3.4E-09	1.6E-01	6.7E-01	3.5E-10
577	4.3E+00	2.4E-07	1.0E-03	1.1E-09	1.6E-01	6.7E-01	1.2E-10	3.9E+00	7.7E-07	1.0E-03	3.1E-09	1.6E-01	6.7E-01	3.3E-10
578	3.9E+00	2.4E-07	1.0E-03	1.0E-09	1.6E-01	6.7E-01	1.0E-10	3.6E+00	7.7E-07	1.0E-03	2.9E-09	1.6E-01	6.7E-01	3.0E-10
579	3.6E+00	2.4E-07	1.0E-03	9.1E-10	1.6E-01	6.7E-01	9.6E-11	3.3E+00	7.7E-07	1.0E-03	2.7E-09	1.6E-01	6.7E-01	2.8E-10
580	3.3E+00	2.4E-07	1.0E-03	8.3E-10	1.6E-01	6.7E-01	8.8E-11	3.1E+00	7.7E-07	1.0E-03	2.5E-09	1.6E-01	6.7E-01	2.6E-10
581	3.0E+00	2.4E-07	1.0E-03	7.6E-10	1.6E-01	6.7E-01	8.0E-11	2.9E+00	7.7E-07	1.0E-03	2.3E-09	1.6E-01	6.7E-01	2.4E-10
582	2.7E+00	2.4E-07	1.0E-03	7.0E-10	1.6E-01	6.7E-01	7.3E-11	2.7E+00	7.7E-07	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.3E-10
583	2.5E+00	2.4E-07	1.0E-03	6.4E-10	1.6E-01	6.7E-01	6.7E-11	2.5E+00	7.7E-07	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10
584	7.0E+00	2.4E-07	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10	3.3E+00	7.7E-07	1.0E-03	2.7E-09	1.6E-01	6.7E-01	2.8E-10
585	7.8E+00	2.4E-07	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10	3.6E+00	7.7E-07	1.0E-03	2.9E-09	1.6E-01	6.7E-01	3.1E-10
586	8.5E+00	2.4E-07	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.3E-10	3.9E+00	7.7E-07	1.0E-03	3.1E-09	1.6E-01	6.7E-01	3.3E-10
587	9.1E+00	2.4E-07	1.0E-03	2.3E-09	1.6E-01	6.7E-01	2.5E-10	4.1E+00	7.7E-07	1.0E-03	3.4E-09	1.6E-01	6.7E-01	3.5E-10
588	9.7E+00	2.4E-07	1.0E-03	2.5E-09	1.6E-01	6.7E-01	2.6E-10	4.4E+00	7.7E-07	1.0E-03	3.5E-09	1.6E-01	6.7E-01	3.7E-10
589	4.1E+00	2.4E-07	1.0E-03	1.0E-09	1.6E-01	6.7E-01	1.1E-10	3.6E+00	7.7E-07	1.0E-03	2.9E-09	1.6E-01	6.7E-01	3.1E-10
590	3.8E+00	2.4E-07	1.0E-03	9.7E-10	1.6E-01	6.7E-01	1.0E-10	3.4E+00	7.7E-07	1.0E-03	2.8E-09	1.6E-01	6.7E-01	2.9E-10
591	3.5E+00	2.4E-07	1.0E-03	8.9E-10	1.6E-01	6.7E-01	9.3E-11	3.2E+00	7.7E-07	1.0E-03	2.6E-09	1.6E-01	6.7E-01	2.7E-10
592	3.2E+00	2.4E-07	1.0E-03	8.1E-10	1.6E-01	6.7E-01	8.5E-11	3.0E+00	7.7E-07	1.0E-03	2.4E-09	1.6E-01	6.7E-01	2.5E-10
593	2.9E+00	2.4E-07	1.0E-03	7.5E-10	1.6E-01	6.7E-01	7.9E-11	2.8E+00	7.7E-07	1.0E-03	2.3E-09	1.6E-01	6.7E-01	2.4E-10
594	2.7E+00	2.4E-07	1.0E-03	6.8E-10	1.6E-01	6.7E-01	7.2E-11	2.6E+00	7.7E-07	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.2E-10
595	2.4E+00	2.4E-07	1.0E-03	6.2E-10	1.6E-01	6.7E-01	6.6E-11	2.4E+00	7.7E-07	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10
596	6.0E+00	2.4E-07	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.6E-10	3.0E+00	7.7E-07	1.0E-03	2.4E-09	1.6E-01	6.7E-01	2.6E-10
597	6.6E+00	2.4E-07	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10	3.3E+00	7.7E-07	1.0E-03	2.6E-09	1.6E-01	6.7E-01	2.8E-10
598	7.1E+00	2.4E-07	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10	3.5E+00	7.7E-07	1.0E-03	2.8E-09	1.6E-01	6.7E-01	3.0E-10
599	7.6E+00	2.4E-07	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.0E-10	3.7E+00	7.7E-07	1.0E-03	3.0E-09	1.6E-01	6.7E-01	3.1E-10
600	8.0E+00	2.4E-07	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.2E-10	3.9E+00	7.7E-07	1.0E-03	3.1E-09	1.6E-01	6.7E-01	3.3E-10
601	3.5E+00	2.4E-07	1.0E-03	9.1E-10	1.6E-01	6.7E-01	9.5E-11	3.2E+00	7.7E-07	1.0E-03	2.6E-09	1.6E-01	6.7E-01	2.7E-10
602	3.3E+00	2.4E-07	1.0E-03	8.4E-10	1.6E-01	6.7E-01	8.8E-11	3.0E+00	7.7E-07	1.0E-03	2.4E-09	1.6E-01	6.7E-01	2.6E-10

Franklin School Project

Risk From Modernization Const - Mitigated Residential

	Haul Route 1A							Haul Route 2A						
Receptor #	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
603	3.0E+00	2.4E-07	1.0E-03	7.7E-10	1.6E-01	6.7E-01	8.1E-11	2.8E+00	7.7E-07	1.0E-03	2.3E-09	1.6E-01	6.7E-01	2.4E-10
604	2.8E+00	2.4E-07	1.0E-03	7.2E-10	1.6E-01	6.7E-01	7.5E-11	2.7E+00	7.7E-07	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.3E-10
605	2.6E+00	2.4E-07	1.0E-03	6.6E-10	1.6E-01	6.7E-01	6.9E-11	2.5E+00	7.7E-07	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10
606	2.4E+00	2.4E-07	1.0E-03	6.1E-10	1.6E-01	6.7E-01	6.4E-11	2.3E+00	7.7E-07	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10
607	5.2E+00	2.4E-07	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.4E-10	2.7E+00	7.7E-07	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.3E-10
608	5.7E+00	2.4E-07	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.5E-10	2.9E+00	7.7E-07	1.0E-03	2.4E-09	1.6E-01	6.7E-01	2.5E-10
609	6.1E+00	2.4E-07	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.6E-10	3.1E+00	7.7E-07	1.0E-03	2.5E-09	1.6E-01	6.7E-01	2.7E-10
610	6.5E+00	2.4E-07	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.7E-10	3.3E+00	7.7E-07	1.0E-03	2.7E-09	1.6E-01	6.7E-01	2.8E-10
611	6.8E+00	2.4E-07	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10	3.5E+00	7.7E-07	1.0E-03	2.8E-09	1.6E-01	6.7E-01	3.0E-10
612	3.3E+00	2.4E-07	1.0E-03	8.5E-10	1.6E-01	6.7E-01	9.0E-11	3.0E+00	7.7E-07	1.0E-03	2.4E-09	1.6E-01	6.7E-01	2.5E-10
613	3.1E+00	2.4E-07	1.0E-03	7.9E-10	1.6E-01	6.7E-01	8.3E-11	2.8E+00	7.7E-07	1.0E-03	2.3E-09	1.6E-01	6.7E-01	2.4E-10
614	2.9E+00	2.4E-07	1.0E-03	7.4E-10	1.6E-01	6.7E-01	7.7E-11	2.7E+00	7.7E-07	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.3E-10
615	2.7E+00	2.4E-07	1.0E-03	6.8E-10	1.6E-01	6.7E-01	7.2E-11	2.5E+00	7.7E-07	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10
616	2.5E+00	2.4E-07	1.0E-03	6.3E-10	1.6E-01	6.7E-01	6.6E-11	2.4E+00	7.7E-07	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10
617	2.3E+00	2.4E-07	1.0E-03	5.8E-10	1.6E-01	6.7E-01	6.1E-11	2.2E+00	7.7E-07	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10
618	4.6E+00	2.4E-07	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.2E-10	2.5E+00	7.7E-07	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10
619	4.9E+00	2.4E-07	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.3E-10	2.7E+00	7.7E-07	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.3E-10
620	5.3E+00	2.4E-07	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.4E-10	2.8E+00	7.7E-07	1.0E-03	2.3E-09	1.6E-01	6.7E-01	2.4E-10
621	5.6E+00	2.4E-07	1.0E-03	1.4E-09	1.6E-01	6.7E-01	1.5E-10	3.0E+00	7.7E-07	1.0E-03	2.4E-09	1.6E-01	6.7E-01	2.5E-10
622	5.8E+00	2.4E-07	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.6E-10	3.1E+00	7.7E-07	1.0E-03	2.5E-09	1.6E-01	6.7E-01	2.7E-10
623	3.1E+00	2.4E-07	1.0E-03	8.0E-10	1.6E-01	6.7E-01	8.4E-11	2.8E+00	7.7E-07	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.4E-10
624	2.9E+00	2.4E-07	1.0E-03	7.5E-10	1.6E-01	6.7E-01	7.9E-11	2.6E+00	7.7E-07	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.2E-10
625	2.7E+00	2.4E-07	1.0E-03	7.0E-10	1.6E-01	6.7E-01	7.3E-11	2.5E+00	7.7E-07	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10
626	2.5E+00	2.4E-07	1.0E-03	6.5E-10	1.6E-01	6.7E-01	6.8E-11	2.4E+00	7.7E-07	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10
627	2.4E+00	2.4E-07	1.0E-03	6.1E-10	1.6E-01	6.7E-01	6.4E-11	2.2E+00	7.7E-07	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10
628	2.2E+00	2.4E-07	1.0E-03	5.6E-10	1.6E-01	6.7E-01	5.9E-11	2.1E+00	7.7E-07	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10
629	4.1E+00	2.4E-07	1.0E-03	1.0E-09	1.6E-01	6.7E-01	1.1E-10	2.3E+00	7.7E-07	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10
630	4.3E+00	2.4E-07	1.0E-03	1.1E-09	1.6E-01	6.7E-01	1.2E-10	2.4E+00	7.7E-07	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10
631	4.6E+00	2.4E-07	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.2E-10	2.6E+00	7.7E-07	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.2E-10
632	4.8E+00	2.4E-07	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.3E-10	2.7E+00	7.7E-07	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.3E-10
633	5.0E+00	2.4E-07	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.4E-10	2.8E+00	7.7E-07	1.0E-03	2.3E-09	1.6E-01	6.7E-01	2.4E-10
634	3.0E+00	2.4E-07	1.0E-03	7.6E-10	1.6E-01	6.7E-01	8.0E-11	2.6E+00	7.7E-07	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.2E-10
635	2.8E+00	2.4E-07	1.0E-03	7.1E-10	1.6E-01	6.7E-01	7.4E-11	2.5E+00	7.7E-07	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10
636	2.6E+00	2.4E-07	1.0E-03	6.6E-10	1.6E-01	6.7E-01	7.0E-11	2.4E+00	7.7E-07	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10
637	2.4E+00	2.4E-07	1.0E-03	6.2E-10	1.6E-01	6.7E-01	6.5E-11	2.2E+00	7.7E-07	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10
638	2.3E+00	2.4E-07	1.0E-03	5.8E-10	1.6E-01	6.7E-01	6.1E-11	2.1E+00	7.7E-07	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10
639	2.1E+00	2.4E-07	1.0E-03	5.4E-10	1.6E-01	6.7E-01	5.7E-11	2.0E+00	7.7E-07	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10
640	3.6E+00	2.4E-07	1.0E-03	9.2E-10	1.6E-01	6.7E-01	9.7E-11	2.1E+00	7.7E-07	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10
641	3.8E+00	2.4E-07	1.0E-03	9.8E-10	1.6E-01	6.7E-01	1.0E-10	2.2E+00	7.7E-07	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10
642	4.1E+00	2.4E-07	1.0E-03	1.0E-09	1.6E-01	6.7E-01	1.1E-10	2.4E+00	7.7E-07	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10
643	4.3E+00	2.4E-07	1.0E-03	1.1E-09	1.6E-01	6.7E-01	1.1E-10	2.5E+00	7.7E-07	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10
644	4.4E+00	2.4E-07	1.0E-03	1.1E-09	1.6E-01	6.7E-01	1.2E-10	2.6E+00	7.7E-07	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.2E-10
645	2.8E+00	2.4E-07	1.0E-03	7.1E-10	1.6E-01	6.7E-01	7.5E-11	2.4E+00	7.7E-07	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10

Franklin School Project

Risk From Modernization Const - Mitigated Residential

	Haul Route 1A							Haul Route 2A						
Receptor #	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
646	2.6E+00	2.4E-07	1.0E-03	6.7E-10	1.6E-01	6.7E-01	7.0E-11	2.3E+00	7.7E-07	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10
647	2.5E+00	2.4E-07	1.0E-03	6.3E-10	1.6E-01	6.7E-01	6.6E-11	2.2E+00	7.7E-07	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10
648	2.3E+00	2.4E-07	1.0E-03	5.9E-10	1.6E-01	6.7E-01	6.2E-11	2.1E+00	7.7E-07	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10
649	2.2E+00	2.4E-07	1.0E-03	5.5E-10	1.6E-01	6.7E-01	5.8E-11	2.0E+00	7.7E-07	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10
650	2.0E+00	2.4E-07	1.0E-03	5.2E-10	1.6E-01	6.7E-01	5.5E-11	1.9E+00	7.7E-07	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.6E-10
651	3.2E+00	2.4E-07	1.0E-03	8.3E-10	1.6E-01	6.7E-01	8.7E-11	2.0E+00	7.7E-07	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10
652	3.4E+00	2.4E-07	1.0E-03	8.8E-10	1.6E-01	6.7E-01	9.2E-11	2.1E+00	7.7E-07	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10
653	3.6E+00	2.4E-07	1.0E-03	9.2E-10	1.6E-01	6.7E-01	9.7E-11	2.2E+00	7.7E-07	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.8E-10
654	3.8E+00	2.4E-07	1.0E-03	9.7E-10	1.6E-01	6.7E-01	1.0E-10	2.3E+00	7.7E-07	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10
655	3.9E+00	2.4E-07	1.0E-03	1.0E-09	1.6E-01	6.7E-01	1.1E-10	2.4E+00	7.7E-07	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10
656	4.0E+00	2.4E-07	1.0E-03	1.0E-09	1.6E-01	6.7E-01	1.1E-10	2.4E+00	7.7E-07	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10
657	4.1E+00	2.4E-07	1.0E-03	1.0E-09	1.6E-01	6.7E-01	1.1E-10	2.5E+00	7.7E-07	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10
658	4.1E+00	2.4E-07	1.0E-03	1.1E-09	1.6E-01	6.7E-01	1.1E-10	2.6E+00	7.7E-07	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.2E-10
659	4.1E+00	2.4E-07	1.0E-03	1.1E-09	1.6E-01	6.7E-01	1.1E-10	2.6E+00	7.7E-07	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.2E-10
660	4.1E+00	2.4E-07	1.0E-03	1.1E-09	1.6E-01	6.7E-01	1.1E-10	2.7E+00	7.7E-07	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.3E-10
661	4.0E+00	2.4E-07	1.0E-03	1.0E-09	1.6E-01	6.7E-01	1.1E-10	2.7E+00	7.7E-07	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.3E-10
662	3.9E+00	2.4E-07	1.0E-03	1.0E-09	1.6E-01	6.7E-01	1.1E-10	2.7E+00	7.7E-07	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.3E-10
663	3.8E+00	2.4E-07	1.0E-03	9.8E-10	1.6E-01	6.7E-01	1.0E-10	2.7E+00	7.7E-07	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.3E-10
664	3.7E+00	2.4E-07	1.0E-03	9.5E-10	1.6E-01	6.7E-01	1.0E-10	2.7E+00	7.7E-07	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.3E-10
665	3.6E+00	2.4E-07	1.0E-03	9.1E-10	1.6E-01	6.7E-01	9.6E-11	2.7E+00	7.7E-07	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.3E-10
666	3.4E+00	2.4E-07	1.0E-03	8.7E-10	1.6E-01	6.7E-01	9.2E-11	2.6E+00	7.7E-07	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.2E-10
667	3.3E+00	2.4E-07	1.0E-03	8.3E-10	1.6E-01	6.7E-01	8.7E-11	2.6E+00	7.7E-07	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.2E-10
668	3.1E+00	2.4E-07	1.0E-03	7.9E-10	1.6E-01	6.7E-01	8.3E-11	2.5E+00	7.7E-07	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10
669	2.9E+00	2.4E-07	1.0E-03	7.5E-10	1.6E-01	6.7E-01	7.9E-11	2.4E+00	7.7E-07	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10
670	2.8E+00	2.4E-07	1.0E-03	7.1E-10	1.6E-01	6.7E-01	7.5E-11	2.3E+00	7.7E-07	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10
671	2.6E+00	2.4E-07	1.0E-03	6.7E-10	1.6E-01	6.7E-01	7.0E-11	2.3E+00	7.7E-07	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10
672	2.5E+00	2.4E-07	1.0E-03	6.3E-10	1.6E-01	6.7E-01	6.7E-11	2.2E+00	7.7E-07	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10
673	2.3E+00	2.4E-07	1.0E-03	6.0E-10	1.6E-01	6.7E-01	6.3E-11	2.1E+00	7.7E-07	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10
674	2.2E+00	2.4E-07	1.0E-03	5.6E-10	1.6E-01	6.7E-01	5.9E-11	2.0E+00	7.7E-07	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10
675	2.1E+00	2.4E-07	1.0E-03	5.3E-10	1.6E-01	6.7E-01	5.6E-11	1.9E+00	7.7E-07	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.6E-10
676	1.9E+00	2.4E-07	1.0E-03	5.0E-10	1.6E-01	6.7E-01	5.2E-11	1.8E+00	7.7E-07	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.6E-10
677	2.9E+00	2.4E-07	1.0E-03	7.5E-10	1.6E-01	6.7E-01	7.9E-11	1.8E+00	7.7E-07	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.5E-10
678	3.1E+00	2.4E-07	1.0E-03	7.9E-10	1.6E-01	6.7E-01	8.3E-11	1.9E+00	7.7E-07	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.6E-10
679	3.2E+00	2.4E-07	1.0E-03	8.3E-10	1.6E-01	6.7E-01	8.7E-11	2.0E+00	7.7E-07	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10
680	3.4E+00	2.4E-07	1.0E-03	8.6E-10	1.6E-01	6.7E-01	9.1E-11	2.1E+00	7.7E-07	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10
681	3.5E+00	2.4E-07	1.0E-03	8.9E-10	1.6E-01	6.7E-01	9.4E-11	2.2E+00	7.7E-07	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10
682	3.6E+00	2.4E-07	1.0E-03	9.2E-10	1.6E-01	6.7E-01	9.6E-11	2.2E+00	7.7E-07	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10
683	3.7E+00	2.4E-07	1.0E-03	9.4E-10	1.6E-01	6.7E-01	9.8E-11	2.3E+00	7.7E-07	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10
684	3.7E+00	2.4E-07	1.0E-03	9.5E-10	1.6E-01	6.7E-01	9.9E-11	2.4E+00	7.7E-07	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10
685	3.7E+00	2.4E-07	1.0E-03	9.5E-10	1.6E-01	6.7E-01	1.0E-10	2.4E+00	7.7E-07	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10
686	3.7E+00	2.4E-07	1.0E-03	9.4E-10	1.6E-01	6.7E-01	9.9E-11	2.4E+00	7.7E-07	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10
687	3.6E+00	2.4E-07	1.0E-03	9.3E-10	1.6E-01	6.7E-01	9.8E-11	2.5E+00	7.7E-07	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10
688	3.6E+00	2.4E-07	1.0E-03	9.2E-10	1.6E-01	6.7E-01	9.6E-11	2.5E+00	7.7E-07	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10

Franklin School Project

Risk From Modernization Const - Mitigated Residential

	Haul Route 1A							Haul Route 2A						
Receptor #	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
689	3.5E+00	2.4E-07	1.0E-03	8.9E-10	1.6E-01	6.7E-01	9.4E-11	2.5E+00	7.7E-07	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10
690	3.4E+00	2.4E-07	1.0E-03	8.7E-10	1.6E-01	6.7E-01	9.1E-11	2.5E+00	7.7E-07	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10
691	3.3E+00	2.4E-07	1.0E-03	8.4E-10	1.6E-01	6.7E-01	8.8E-11	2.4E+00	7.7E-07	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10
692	3.1E+00	2.4E-07	1.0E-03	8.1E-10	1.6E-01	6.7E-01	8.5E-11	2.4E+00	7.7E-07	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.0E-10
693	3.0E+00	2.4E-07	1.0E-03	7.7E-10	1.6E-01	6.7E-01	8.1E-11	2.4E+00	7.7E-07	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10
694	2.9E+00	2.4E-07	1.0E-03	7.4E-10	1.6E-01	6.7E-01	7.7E-11	2.3E+00	7.7E-07	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10
695	2.7E+00	2.4E-07	1.0E-03	7.0E-10	1.6E-01	6.7E-01	7.4E-11	2.3E+00	7.7E-07	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10
696	2.6E+00	2.4E-07	1.0E-03	6.7E-10	1.6E-01	6.7E-01	7.0E-11	2.2E+00	7.7E-07	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10
697	2.5E+00	2.4E-07	1.0E-03	6.3E-10	1.6E-01	6.7E-01	6.6E-11	2.1E+00	7.7E-07	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10
698	2.3E+00	2.4E-07	1.0E-03	6.0E-10	1.6E-01	6.7E-01	6.3E-11	2.0E+00	7.7E-07	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.7E-10
699	2.2E+00	2.4E-07	1.0E-03	5.7E-10	1.6E-01	6.7E-01	5.9E-11	2.0E+00	7.7E-07	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10
700	2.1E+00	2.4E-07	1.0E-03	5.4E-10	1.6E-01	6.7E-01	5.6E-11	1.9E+00	7.7E-07	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.6E-10
701	2.0E+00	2.4E-07	1.0E-03	5.1E-10	1.6E-01	6.7E-01	5.3E-11	1.8E+00	7.7E-07	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.5E-10
702	1.9E+00	2.4E-07	1.0E-03	4.8E-10	1.6E-01	6.7E-01	5.0E-11	1.7E+00	7.7E-07	1.0E-03	1.4E-09	1.6E-01	6.7E-01	1.5E-10
703	2.7E+00	2.4E-07	1.0E-03	6.8E-10	1.6E-01	6.7E-01	7.1E-11	1.7E+00	7.7E-07	1.0E-03	1.4E-09	1.6E-01	6.7E-01	1.4E-10
704	2.8E+00	2.4E-07	1.0E-03	7.1E-10	1.6E-01	6.7E-01	7.5E-11	1.8E+00	7.7E-07	1.0E-03	1.4E-09	1.6E-01	6.7E-01	1.5E-10
705	2.9E+00	2.4E-07	1.0E-03	7.5E-10	1.6E-01	6.7E-01	7.9E-11	1.8E+00	7.7E-07	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.6E-10
706	3.0E+00	2.4E-07	1.0E-03	7.8E-10	1.6E-01	6.7E-01	8.2E-11	1.9E+00	7.7E-07	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.6E-10
707	3.1E+00	2.4E-07	1.0E-03	8.0E-10	1.6E-01	6.7E-01	8.4E-11	2.0E+00	7.7E-07	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10
708	3.2E+00	2.4E-07	1.0E-03	8.2E-10	1.6E-01	6.7E-01	8.7E-11	2.1E+00	7.7E-07	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.7E-10
709	3.3E+00	2.4E-07	1.0E-03	8.4E-10	1.6E-01	6.7E-01	8.8E-11	2.1E+00	7.7E-07	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10
710	3.3E+00	2.4E-07	1.0E-03	8.5E-10	1.6E-01	6.7E-01	8.9E-11	2.2E+00	7.7E-07	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.8E-10
711	3.3E+00	2.4E-07	1.0E-03	8.5E-10	1.6E-01	6.7E-01	9.0E-11	2.2E+00	7.7E-07	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10
712	3.3E+00	2.4E-07	1.0E-03	8.5E-10	1.6E-01	6.7E-01	9.0E-11	2.2E+00	7.7E-07	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10
713	3.3E+00	2.4E-07	1.0E-03	8.5E-10	1.6E-01	6.7E-01	8.9E-11	2.3E+00	7.7E-07	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10
714	3.3E+00	2.4E-07	1.0E-03	8.3E-10	1.6E-01	6.7E-01	8.7E-11	2.3E+00	7.7E-07	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10
715	3.2E+00	2.4E-07	1.0E-03	8.1E-10	1.6E-01	6.7E-01	8.6E-11	2.3E+00	7.7E-07	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10
716	3.1E+00	2.4E-07	1.0E-03	7.9E-10	1.6E-01	6.7E-01	8.3E-11	2.3E+00	7.7E-07	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10
717	3.0E+00	2.4E-07	1.0E-03	7.7E-10	1.6E-01	6.7E-01	8.1E-11	2.3E+00	7.7E-07	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10
718	2.9E+00	2.4E-07	1.0E-03	7.4E-10	1.6E-01	6.7E-01	7.8E-11	2.2E+00	7.7E-07	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10
719	2.8E+00	2.4E-07	1.0E-03	7.2E-10	1.6E-01	6.7E-01	7.5E-11	2.2E+00	7.7E-07	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10
720	2.7E+00	2.4E-07	1.0E-03	6.9E-10	1.6E-01	6.7E-01	7.2E-11	2.2E+00	7.7E-07	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10
721	2.6E+00	2.4E-07	1.0E-03	6.6E-10	1.6E-01	6.7E-01	6.9E-11	2.1E+00	7.7E-07	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10
722	2.4E+00	2.4E-07	1.0E-03	6.2E-10	1.6E-01	6.7E-01	6.6E-11	2.0E+00	7.7E-07	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.7E-10
723	2.3E+00	2.4E-07	1.0E-03	5.9E-10	1.6E-01	6.7E-01	6.2E-11	2.0E+00	7.7E-07	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10
724	2.2E+00	2.4E-07	1.0E-03	5.7E-10	1.6E-01	6.7E-01	5.9E-11	1.9E+00	7.7E-07	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.6E-10
725	2.1E+00	2.4E-07	1.0E-03	5.4E-10	1.6E-01	6.7E-01	5.6E-11	1.9E+00	7.7E-07	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.6E-10
726	2.0E+00	2.4E-07	1.0E-03	5.1E-10	1.6E-01	6.7E-01	5.4E-11	1.8E+00	7.7E-07	1.0E-03	1.4E-09	1.6E-01	6.7E-01	1.5E-10
727	1.9E+00	2.4E-07	1.0E-03	4.8E-10	1.6E-01	6.7E-01	5.1E-11	1.7E+00	7.7E-07	1.0E-03	1.4E-09	1.6E-01	6.7E-01	1.5E-10
728	1.8E+00	2.4E-07	1.0E-03	4.6E-10	1.6E-01	6.7E-01	4.8E-11	1.7E+00	7.7E-07	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.4E-10
729	2.4E+00	2.4E-07	1.0E-03	6.2E-10	1.6E-01	6.7E-01	6.5E-11	1.6E+00	7.7E-07	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.3E-10
730	2.5E+00	2.4E-07	1.0E-03	6.5E-10	1.6E-01	6.7E-01	6.8E-11	1.6E+00	7.7E-07	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.4E-10
731	2.6E+00	2.4E-07	1.0E-03	6.8E-10	1.6E-01	6.7E-01	7.1E-11	1.7E+00	7.7E-07	1.0E-03	1.4E-09	1.6E-01	6.7E-01	1.5E-10

Franklin School Project

Risk From Modernization Const - Mitigated Residential

	Haul Route 1A							Haul Route 2A						
Receptor #	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
732	2.7E+00	2.4E-07	1.0E-03	7.0E-10	1.6E-01	6.7E-01	7.4E-11	1.8E+00	7.7E-07	1.0E-03	1.4E-09	1.6E-01	6.7E-01	1.5E-10
733	2.8E+00	2.4E-07	1.0E-03	7.3E-10	1.6E-01	6.7E-01	7.6E-11	1.8E+00	7.7E-07	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.6E-10
734	2.9E+00	2.4E-07	1.0E-03	7.5E-10	1.6E-01	6.7E-01	7.8E-11	1.9E+00	7.7E-07	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.6E-10
735	3.0E+00	2.4E-07	1.0E-03	7.6E-10	1.6E-01	6.7E-01	8.0E-11	2.0E+00	7.7E-07	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10
736	3.0E+00	2.4E-07	1.0E-03	7.7E-10	1.6E-01	6.7E-01	8.1E-11	2.0E+00	7.7E-07	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10
737	3.0E+00	2.4E-07	1.0E-03	7.7E-10	1.6E-01	6.7E-01	8.1E-11	2.0E+00	7.7E-07	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10
738	3.0E+00	2.4E-07	1.0E-03	7.7E-10	1.6E-01	6.7E-01	8.1E-11	2.1E+00	7.7E-07	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10
739	3.0E+00	2.4E-07	1.0E-03	7.7E-10	1.6E-01	6.7E-01	8.1E-11	2.1E+00	7.7E-07	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10
740	3.0E+00	2.4E-07	1.0E-03	7.6E-10	1.6E-01	6.7E-01	8.0E-11	2.1E+00	7.7E-07	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10
741	2.9E+00	2.4E-07	1.0E-03	7.5E-10	1.6E-01	6.7E-01	7.8E-11	2.1E+00	7.7E-07	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10
742	2.9E+00	2.4E-07	1.0E-03	7.3E-10	1.6E-01	6.7E-01	7.7E-11	2.1E+00	7.7E-07	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10
743	2.8E+00	2.4E-07	1.0E-03	7.1E-10	1.6E-01	6.7E-01	7.5E-11	2.1E+00	7.7E-07	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10
744	2.7E+00	2.4E-07	1.0E-03	6.9E-10	1.6E-01	6.7E-01	7.2E-11	2.1E+00	7.7E-07	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10
745	2.6E+00	2.4E-07	1.0E-03	6.7E-10	1.6E-01	6.7E-01	7.0E-11	2.0E+00	7.7E-07	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.7E-10
746	2.5E+00	2.4E-07	1.0E-03	6.4E-10	1.6E-01	6.7E-01	6.7E-11	2.0E+00	7.7E-07	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10
747	2.4E+00	2.4E-07	1.0E-03	6.1E-10	1.6E-01	6.7E-01	6.5E-11	2.0E+00	7.7E-07	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10
748	2.3E+00	2.4E-07	1.0E-03	5.9E-10	1.6E-01	6.7E-01	6.2E-11	1.9E+00	7.7E-07	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.6E-10
749	2.2E+00	2.4E-07	1.0E-03	5.6E-10	1.6E-01	6.7E-01	5.9E-11	1.9E+00	7.7E-07	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.6E-10
750	2.1E+00	2.4E-07	1.0E-03	5.3E-10	1.6E-01	6.7E-01	5.6E-11	1.8E+00	7.7E-07	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.5E-10
751	2.0E+00	2.4E-07	1.0E-03	5.1E-10	1.6E-01	6.7E-01	5.3E-11	1.8E+00	7.7E-07	1.0E-03	1.4E-09	1.6E-01	6.7E-01	1.5E-10
752	1.9E+00	2.4E-07	1.0E-03	4.8E-10	1.6E-01	6.7E-01	5.1E-11	1.7E+00	7.7E-07	1.0E-03	1.4E-09	1.6E-01	6.7E-01	1.4E-10
753	1.8E+00	2.4E-07	1.0E-03	4.6E-10	1.6E-01	6.7E-01	4.8E-11	1.6E+00	7.7E-07	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.4E-10
754	1.7E+00	2.4E-07	1.0E-03	4.4E-10	1.6E-01	6.7E-01	4.6E-11	1.6E+00	7.7E-07	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.3E-10
755	2.2E+00	2.4E-07	1.0E-03	5.7E-10	1.6E-01	6.7E-01	6.0E-11	1.5E+00	7.7E-07	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.2E-10
756	2.3E+00	2.4E-07	1.0E-03	5.9E-10	1.6E-01	6.7E-01	6.2E-11	1.5E+00	7.7E-07	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.3E-10
757	2.4E+00	2.4E-07	1.0E-03	6.2E-10	1.6E-01	6.7E-01	6.5E-11	1.6E+00	7.7E-07	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.3E-10
758	2.5E+00	2.4E-07	1.0E-03	6.4E-10	1.6E-01	6.7E-01	6.7E-11	1.6E+00	7.7E-07	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.4E-10
759	2.6E+00	2.4E-07	1.0E-03	6.6E-10	1.6E-01	6.7E-01	6.9E-11	1.7E+00	7.7E-07	1.0E-03	1.4E-09	1.6E-01	6.7E-01	1.4E-10
760	2.6E+00	2.4E-07	1.0E-03	6.8E-10	1.6E-01	6.7E-01	7.1E-11	1.8E+00	7.7E-07	1.0E-03	1.4E-09	1.6E-01	6.7E-01	1.5E-10
761	2.7E+00	2.4E-07	1.0E-03	6.9E-10	1.6E-01	6.7E-01	7.2E-11	1.8E+00	7.7E-07	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.5E-10
762	2.7E+00	2.4E-07	1.0E-03	7.0E-10	1.6E-01	6.7E-01	7.3E-11	1.8E+00	7.7E-07	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.6E-10
763	2.8E+00	2.4E-07	1.0E-03	7.0E-10	1.6E-01	6.7E-01	7.4E-11	1.9E+00	7.7E-07	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.6E-10
764	2.8E+00	2.4E-07	1.0E-03	7.1E-10	1.6E-01	6.7E-01	7.4E-11	1.9E+00	7.7E-07	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.6E-10
765	2.7E+00	2.4E-07	1.0E-03	7.0E-10	1.6E-01	6.7E-01	7.4E-11	1.9E+00	7.7E-07	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.6E-10
766	2.7E+00	2.4E-07	1.0E-03	7.0E-10	1.6E-01	6.7E-01	7.3E-11	1.9E+00	7.7E-07	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10
767	2.7E+00	2.4E-07	1.0E-03	6.8E-10	1.6E-01	6.7E-01	7.2E-11	2.0E+00	7.7E-07	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10
768	2.6E+00	2.4E-07	1.0E-03	6.7E-10	1.6E-01	6.7E-01	7.1E-11	2.0E+00	7.7E-07	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10
769	2.6E+00	2.4E-07	1.0E-03	6.6E-10	1.6E-01	6.7E-01	6.9E-11	1.9E+00	7.7E-07	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10
770	2.5E+00	2.4E-07	1.0E-03	6.4E-10	1.6E-01	6.7E-01	6.7E-11	1.9E+00	7.7E-07	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.6E-10
771	2.4E+00	2.4E-07	1.0E-03	6.2E-10	1.6E-01	6.7E-01	6.5E-11	1.9E+00	7.7E-07	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.6E-10
772	2.3E+00	2.4E-07	1.0E-03	6.0E-10	1.6E-01	6.7E-01	6.3E-11	1.9E+00	7.7E-07	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.6E-10
773	2.2E+00	2.4E-07	1.0E-03	5.8E-10	1.6E-01	6.7E-01	6.0E-11	1.8E+00	7.7E-07	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.6E-10
774	2.2E+00	2.4E-07	1.0E-03	5.5E-10	1.6E-01	6.7E-01	5.8E-11	1.8E+00	7.7E-07	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.5E-10

Franklin School Project

Risk From Modernization Const - Mitigated Residential

	Haul Route 1A							Haul Route 2A						
Receptor #	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
775	2.1E+00	2.4E-07	1.0E-03	5.3E-10	1.6E-01	6.7E-01	5.5E-11	1.8E+00	7.7E-07	1.0E-03	1.4E-09	1.6E-01	6.7E-01	1.5E-10
776	2.0E+00	2.4E-07	1.0E-03	5.1E-10	1.6E-01	6.7E-01	5.3E-11	1.7E+00	7.7E-07	1.0E-03	1.4E-09	1.6E-01	6.7E-01	1.4E-10
777	1.9E+00	2.4E-07	1.0E-03	4.8E-10	1.6E-01	6.7E-01	5.1E-11	1.7E+00	7.7E-07	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.4E-10
778	1.8E+00	2.4E-07	1.0E-03	4.6E-10	1.6E-01	6.7E-01	4.8E-11	1.6E+00	7.7E-07	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.4E-10
779	1.7E+00	2.4E-07	1.0E-03	4.4E-10	1.6E-01	6.7E-01	4.6E-11	1.6E+00	7.7E-07	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.3E-10
780	1.6E+00	2.4E-07	1.0E-03	4.2E-10	1.6E-01	6.7E-01	4.4E-11	1.5E+00	7.7E-07	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.3E-10
781	2.0E+00	2.4E-07	1.0E-03	5.2E-10	1.6E-01	6.7E-01	5.5E-11	1.4E+00	7.7E-07	1.0E-03	1.1E-09	1.6E-01	6.7E-01	1.2E-10
782	2.1E+00	2.4E-07	1.0E-03	5.4E-10	1.6E-01	6.7E-01	5.7E-11	1.4E+00	7.7E-07	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.2E-10
783	2.2E+00	2.4E-07	1.0E-03	5.7E-10	1.6E-01	6.7E-01	5.9E-11	1.5E+00	7.7E-07	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.3E-10
784	2.3E+00	2.4E-07	1.0E-03	5.9E-10	1.6E-01	6.7E-01	6.1E-11	1.5E+00	7.7E-07	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.3E-10
785	2.4E+00	2.4E-07	1.0E-03	6.0E-10	1.6E-01	6.7E-01	6.3E-11	1.6E+00	7.7E-07	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.3E-10
786	2.4E+00	2.4E-07	1.0E-03	6.2E-10	1.6E-01	6.7E-01	6.5E-11	1.6E+00	7.7E-07	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.4E-10
787	2.5E+00	2.4E-07	1.0E-03	6.3E-10	1.6E-01	6.7E-01	6.6E-11	1.7E+00	7.7E-07	1.0E-03	1.4E-09	1.6E-01	6.7E-01	1.4E-10
788	2.5E+00	2.4E-07	1.0E-03	6.4E-10	1.6E-01	6.7E-01	6.7E-11	1.7E+00	7.7E-07	1.0E-03	1.4E-09	1.6E-01	6.7E-01	1.5E-10
789	2.5E+00	2.4E-07	1.0E-03	6.4E-10	1.6E-01	6.7E-01	6.8E-11	1.7E+00	7.7E-07	1.0E-03	1.4E-09	1.6E-01	6.7E-01	1.5E-10
790	2.5E+00	2.4E-07	1.0E-03	6.5E-10	1.6E-01	6.7E-01	6.8E-11	1.8E+00	7.7E-07	1.0E-03	1.4E-09	1.6E-01	6.7E-01	1.5E-10
791	2.5E+00	2.4E-07	1.0E-03	6.4E-10	1.6E-01	6.7E-01	6.8E-11	1.8E+00	7.7E-07	1.0E-03	1.4E-09	1.6E-01	6.7E-01	1.5E-10
792	2.5E+00	2.4E-07	1.0E-03	6.4E-10	1.6E-01	6.7E-01	6.7E-11	1.8E+00	7.7E-07	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.5E-10
793	2.5E+00	2.4E-07	1.0E-03	6.3E-10	1.6E-01	6.7E-01	6.6E-11	1.8E+00	7.7E-07	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.5E-10
794	2.4E+00	2.4E-07	1.0E-03	6.2E-10	1.6E-01	6.7E-01	6.5E-11	1.8E+00	7.7E-07	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.5E-10
795	2.4E+00	2.4E-07	1.0E-03	6.1E-10	1.6E-01	6.7E-01	6.4E-11	1.8E+00	7.7E-07	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.5E-10
796	2.3E+00	2.4E-07	1.0E-03	5.9E-10	1.6E-01	6.7E-01	6.2E-11	1.8E+00	7.7E-07	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.5E-10
797	2.3E+00	2.4E-07	1.0E-03	5.8E-10	1.6E-01	6.7E-01	6.1E-11	1.8E+00	7.7E-07	1.0E-03	1.4E-09	1.6E-01	6.7E-01	1.5E-10
798	2.2E+00	2.4E-07	1.0E-03	5.6E-10	1.6E-01	6.7E-01	5.9E-11	1.8E+00	7.7E-07	1.0E-03	1.4E-09	1.6E-01	6.7E-01	1.5E-10
799	2.1E+00	2.4E-07	1.0E-03	5.4E-10	1.6E-01	6.7E-01	5.7E-11	1.7E+00	7.7E-07	1.0E-03	1.4E-09	1.6E-01	6.7E-01	1.5E-10
800	2.0E+00	2.4E-07	1.0E-03	5.2E-10	1.6E-01	6.7E-01	5.4E-11	1.7E+00	7.7E-07	1.0E-03	1.4E-09	1.6E-01	6.7E-01	1.4E-10
801	1.9E+00	2.4E-07	1.0E-03	5.0E-10	1.6E-01	6.7E-01	5.2E-11	1.6E+00	7.7E-07	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.4E-10
802	1.9E+00	2.4E-07	1.0E-03	4.8E-10	1.6E-01	6.7E-01	5.0E-11	1.6E+00	7.7E-07	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.4E-10
803	1.8E+00	2.4E-07	1.0E-03	4.6E-10	1.6E-01	6.7E-01	4.8E-11	1.6E+00	7.7E-07	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.3E-10
804	1.7E+00	2.4E-07	1.0E-03	4.4E-10	1.6E-01	6.7E-01	4.6E-11	1.5E+00	7.7E-07	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.3E-10
805	1.6E+00	2.4E-07	1.0E-03	4.2E-10	1.6E-01	6.7E-01	4.4E-11	1.5E+00	7.7E-07	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.2E-10
806	1.6E+00	2.4E-07	1.0E-03	4.0E-10	1.6E-01	6.7E-01	4.2E-11	1.4E+00	7.7E-07	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.2E-10

Franklin School Project

Risk From Modernization Const - Mitigated Residential

	Haul Route 1A							Haul Route 2A						
Receptor #	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
1	5.1E-01	1.6E-06	1.0E-03	8.4E-10	1.6E-01	6.7E-01	8.9E-11	3.9E+00	1.7E-07	1.0E-03	6.9E-10	1.6E-01	6.7E-01	7.3E-11
2	6.4E-01	1.6E-06	1.0E-03	1.1E-09	1.6E-01	6.7E-01	1.1E-10	4.4E+00	1.7E-07	1.0E-03	7.8E-10	1.6E-01	6.7E-01	8.2E-11
3	8.1E-01	1.6E-06	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.4E-10	4.7E+00	1.7E-07	1.0E-03	8.3E-10	1.6E-01	6.7E-01	8.7E-11
4	1.0E+00	1.6E-06	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10	4.8E+00	1.7E-07	1.0E-03	8.6E-10	1.6E-01	6.7E-01	9.0E-11
5	1.4E+00	1.6E-06	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.4E-10	4.8E+00	1.7E-07	1.0E-03	8.6E-10	1.6E-01	6.7E-01	9.1E-11
6	1.7E+00	1.6E-06	1.0E-03	2.8E-09	1.6E-01	6.7E-01	3.0E-10	4.7E+00	1.7E-07	1.0E-03	8.3E-10	1.6E-01	6.7E-01	8.7E-11
7	2.1E+00	1.6E-06	1.0E-03	3.4E-09	1.6E-01	6.7E-01	3.6E-10	4.3E+00	1.7E-07	1.0E-03	7.6E-10	1.6E-01	6.7E-01	8.0E-11
8	2.4E+00	1.6E-06	1.0E-03	4.0E-09	1.6E-01	6.7E-01	4.2E-10	3.6E+00	1.7E-07	1.0E-03	6.4E-10	1.6E-01	6.7E-01	6.7E-11
9	2.6E+00	1.6E-06	1.0E-03	4.3E-09	1.6E-01	6.7E-01	4.5E-10	2.8E+00	1.7E-07	1.0E-03	5.0E-10	1.6E-01	6.7E-01	5.3E-11
10	2.5E+00	1.6E-06	1.0E-03	4.2E-09	1.6E-01	6.7E-01	4.4E-10	2.2E+00	1.7E-07	1.0E-03	3.8E-10	1.6E-01	6.7E-01	4.0E-11
11	2.3E+00	1.6E-06	1.0E-03	3.8E-09	1.6E-01	6.7E-01	4.0E-10	1.6E+00	1.7E-07	1.0E-03	2.9E-10	1.6E-01	6.7E-01	3.1E-11
12	2.0E+00	1.6E-06	1.0E-03	3.3E-09	1.6E-01	6.7E-01	3.5E-10	1.3E+00	1.7E-07	1.0E-03	2.3E-10	1.6E-01	6.7E-01	2.4E-11
13	1.7E+00	1.6E-06	1.0E-03	2.8E-09	1.6E-01	6.7E-01	3.0E-10	1.0E+00	1.7E-07	1.0E-03	1.8E-10	1.6E-01	6.7E-01	1.9E-11
14	1.4E+00	1.6E-06	1.0E-03	2.4E-09	1.6E-01	6.7E-01	2.5E-10	8.0E-01	1.7E-07	1.0E-03	1.4E-10	1.6E-01	6.7E-01	1.5E-11
15	1.2E+00	1.6E-06	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10	6.5E-01	1.7E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.2E-11
16	1.0E+00	1.6E-06	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10	5.4E-01	1.7E-07	1.0E-03	9.6E-11	1.6E-01	6.7E-01	1.0E-11
17	5.9E-01	1.6E-06	1.0E-03	9.8E-10	1.6E-01	6.7E-01	1.0E-10	8.3E+00	1.7E-07	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.6E-10
18	7.7E-01	1.6E-06	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.3E-10	8.9E+00	1.7E-07	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10
19	1.0E+00	1.6E-06	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10	9.3E+00	1.7E-07	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.7E-10
20	1.4E+00	1.6E-06	1.0E-03	2.4E-09	1.6E-01	6.7E-01	2.5E-10	9.5E+00	1.7E-07	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10
21	2.1E+00	1.6E-06	1.0E-03	3.5E-09	1.6E-01	6.7E-01	3.7E-10	9.4E+00	1.7E-07	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10
22	3.1E+00	1.6E-06	1.0E-03	5.2E-09	1.6E-01	6.7E-01	5.4E-10	9.0E+00	1.7E-07	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10
23	4.2E+00	1.6E-06	1.0E-03	7.0E-09	1.6E-01	6.7E-01	7.4E-10	7.7E+00	1.7E-07	1.0E-03	1.4E-09	1.6E-01	6.7E-01	1.4E-10
24	4.9E+00	1.6E-06	1.0E-03	8.1E-09	1.6E-01	6.7E-01	8.6E-10	5.3E+00	1.7E-07	1.0E-03	9.4E-10	1.6E-01	6.7E-01	9.9E-11
25	4.5E+00	1.6E-06	1.0E-03	7.5E-09	1.6E-01	6.7E-01	7.9E-10	3.4E+00	1.7E-07	1.0E-03	6.1E-10	1.6E-01	6.7E-01	6.5E-11
26	3.8E+00	1.6E-06	1.0E-03	6.3E-09	1.6E-01	6.7E-01	6.6E-10	2.3E+00	1.7E-07	1.0E-03	4.2E-10	1.6E-01	6.7E-01	4.4E-11
27	3.1E+00	1.6E-06	1.0E-03	5.1E-09	1.6E-01	6.7E-01	5.3E-10	1.7E+00	1.7E-07	1.0E-03	3.0E-10	1.6E-01	6.7E-01	3.1E-11
28	2.5E+00	1.6E-06	1.0E-03	4.1E-09	1.6E-01	6.7E-01	4.3E-10	1.2E+00	1.7E-07	1.0E-03	2.2E-10	1.6E-01	6.7E-01	2.3E-11
29	2.0E+00	1.6E-06	1.0E-03	3.3E-09	1.6E-01	6.7E-01	3.4E-10	9.4E-01	1.7E-07	1.0E-03	1.7E-10	1.6E-01	6.7E-01	1.8E-11
30	1.6E+00	1.6E-06	1.0E-03	2.6E-09	1.6E-01	6.7E-01	2.8E-10	7.5E-01	1.7E-07	1.0E-03	1.3E-10	1.6E-01	6.7E-01	1.4E-11
31	1.3E+00	1.6E-06	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.2E-10	6.1E-01	1.7E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.1E-11
32	1.1E+00	1.6E-06	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.8E-10	5.0E-01	1.7E-07	1.0E-03	8.9E-11	1.6E-01	6.7E-01	9.4E-12
33	6.7E-01	1.6E-06	1.0E-03	1.1E-09	1.6E-01	6.7E-01	1.2E-10	6.9E+00	1.7E-07	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.3E-10
34	9.0E-01	1.6E-06	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.6E-10	1.1E+01	1.7E-07	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10
35	1.3E+00	1.6E-06	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.2E-10	6.2E+00	1.7E-07	1.0E-03	1.1E-09	1.6E-01	6.7E-01	1.2E-10
36	2.0E+00	1.6E-06	1.0E-03	3.3E-09	1.6E-01	6.7E-01	3.4E-10	6.1E+00	1.7E-07	1.0E-03	1.1E-09	1.6E-01	6.7E-01	1.1E-10
37	3.4E+00	1.6E-06	1.0E-03	5.7E-09	1.6E-01	6.7E-01	5.9E-10	6.0E+00	1.7E-07	1.0E-03	1.1E-09	1.6E-01	6.7E-01	1.1E-10
38	7.2E+00	1.6E-06	1.0E-03	1.2E-08	1.6E-01	6.7E-01	1.3E-09	5.4E+00	1.7E-07	1.0E-03	9.6E-10	1.6E-01	6.7E-01	1.0E-10
39	1.6E+01	1.6E-06	1.0E-03	2.6E-08	1.6E-01	6.7E-01	2.7E-09	6.2E+00	1.7E-07	1.0E-03	1.1E-09	1.6E-01	6.7E-01	1.2E-10
40	1.1E+01	1.6E-06	1.0E-03	1.9E-08	1.6E-01	6.7E-01	2.0E-09	7.1E+00	1.7E-07	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.3E-10
41	7.5E+00	1.6E-06	1.0E-03	1.2E-08	1.6E-01	6.7E-01	1.3E-09	3.6E+00	1.7E-07	1.0E-03	6.5E-10	1.6E-01	6.7E-01	6.8E-11
42	5.2E+00	1.6E-06	1.0E-03	8.7E-09	1.6E-01	6.7E-01	9.1E-10	2.2E+00	1.7E-07	1.0E-03	4.0E-10	1.6E-01	6.7E-01	4.2E-11
43	3.8E+00	1.6E-06	1.0E-03	6.3E-09	1.6E-01	6.7E-01	6.6E-10	1.5E+00	1.7E-07	1.0E-03	2.7E-10	1.6E-01	6.7E-01	2.8E-11

Franklin School Project

Risk From Modernization Const - Mitigated Residential

	Haul Route 1A							Haul Route 2A						
Receptor #	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
44	2.8E+00	1.6E-06	1.0E-03	4.7E-09	1.6E-01	6.7E-01	4.9E-10	1.1E+00	1.7E-07	1.0E-03	2.0E-10	1.6E-01	6.7E-01	2.1E-11
45	2.1E+00	1.6E-06	1.0E-03	3.5E-09	1.6E-01	6.7E-01	3.7E-10	8.5E-01	1.7E-07	1.0E-03	1.5E-10	1.6E-01	6.7E-01	1.6E-11
46	1.7E+00	1.6E-06	1.0E-03	2.7E-09	1.6E-01	6.7E-01	2.9E-10	6.7E-01	1.7E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.3E-11
47	1.3E+00	1.6E-06	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.3E-10	5.4E-01	1.7E-07	1.0E-03	9.7E-11	1.6E-01	6.7E-01	1.0E-11
48	1.0E+00	1.6E-06	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10	4.5E-01	1.7E-07	1.0E-03	8.1E-11	1.6E-01	6.7E-01	8.5E-12
49	7.3E-01	1.6E-06	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.3E-10	6.3E+00	1.7E-07	1.0E-03	1.1E-09	1.6E-01	6.7E-01	1.2E-10
50	1.0E+00	1.6E-06	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10	1.0E+01	1.7E-07	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10
51	1.5E+00	1.6E-06	1.0E-03	2.5E-09	1.6E-01	6.7E-01	2.6E-10	5.6E+00	1.7E-07	1.0E-03	1.0E-09	1.6E-01	6.7E-01	1.1E-10
52	2.5E+00	1.6E-06	1.0E-03	4.2E-09	1.6E-01	6.7E-01	4.4E-10	5.5E+00	1.7E-07	1.0E-03	9.8E-10	1.6E-01	6.7E-01	1.0E-10
53	5.0E+00	1.6E-06	1.0E-03	8.3E-09	1.6E-01	6.7E-01	8.7E-10	5.3E+00	1.7E-07	1.0E-03	9.4E-10	1.6E-01	6.7E-01	9.8E-11
54	1.5E+01	1.6E-06	1.0E-03	2.5E-08	1.6E-01	6.7E-01	2.6E-09	4.5E+00	1.7E-07	1.0E-03	8.1E-10	1.6E-01	6.7E-01	8.5E-11
55	1.6E+01	1.6E-06	1.0E-03	2.7E-08	1.6E-01	6.7E-01	2.8E-09	5.2E+00	1.7E-07	1.0E-03	9.3E-10	1.6E-01	6.7E-01	9.8E-11
56	2.1E+01	1.6E-06	1.0E-03	3.5E-08	1.6E-01	6.7E-01	3.7E-09	6.0E+00	1.7E-07	1.0E-03	1.1E-09	1.6E-01	6.7E-01	1.1E-10
57	1.0E+01	1.6E-06	1.0E-03	1.7E-08	1.6E-01	6.7E-01	1.8E-09	3.0E+00	1.7E-07	1.0E-03	5.4E-10	1.6E-01	6.7E-01	5.7E-11
58	6.3E+00	1.6E-06	1.0E-03	1.0E-08	1.6E-01	6.7E-01	1.1E-09	1.9E+00	1.7E-07	1.0E-03	3.3E-10	1.6E-01	6.7E-01	3.5E-11
59	4.2E+00	1.6E-06	1.0E-03	7.0E-09	1.6E-01	6.7E-01	7.3E-10	1.3E+00	1.7E-07	1.0E-03	2.3E-10	1.6E-01	6.7E-01	2.4E-11
60	2.9E+00	1.6E-06	1.0E-03	4.9E-09	1.6E-01	6.7E-01	5.1E-10	9.5E-01	1.7E-07	1.0E-03	1.7E-10	1.6E-01	6.7E-01	1.8E-11
61	2.2E+00	1.6E-06	1.0E-03	3.6E-09	1.6E-01	6.7E-01	3.7E-10	7.4E-01	1.7E-07	1.0E-03	1.3E-10	1.6E-01	6.7E-01	1.4E-11
62	1.6E+00	1.6E-06	1.0E-03	2.7E-09	1.6E-01	6.7E-01	2.8E-10	5.9E-01	1.7E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.1E-11
63	1.3E+00	1.6E-06	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.2E-10	4.8E-01	1.7E-07	1.0E-03	8.6E-11	1.6E-01	6.7E-01	9.1E-12
64	9.9E-01	1.6E-06	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10	4.0E-01	1.7E-07	1.0E-03	7.2E-11	1.6E-01	6.7E-01	7.6E-12
65	7.7E-01	1.6E-06	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.3E-10	7.0E+00	1.7E-07	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.3E-10
66	1.1E+00	1.6E-06	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10	7.3E+00	1.7E-07	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.4E-10
67	1.7E+00	1.6E-06	1.0E-03	2.8E-09	1.6E-01	6.7E-01	2.9E-10	7.4E+00	1.7E-07	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.4E-10
68	2.9E+00	1.6E-06	1.0E-03	4.8E-09	1.6E-01	6.7E-01	5.0E-10	7.3E+00	1.7E-07	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.4E-10
69	6.1E+00	1.6E-06	1.0E-03	1.0E-08	1.6E-01	6.7E-01	1.1E-09	7.0E+00	1.7E-07	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.3E-10
70	1.9E+01	1.6E-06	1.0E-03	3.1E-08	1.6E-01	6.7E-01	3.3E-09	6.4E+00	1.7E-07	1.0E-03	1.1E-09	1.6E-01	6.7E-01	1.2E-10
71	2.6E+01	1.6E-06	1.0E-03	4.2E-08	1.6E-01	6.7E-01	4.5E-09	5.2E+00	1.7E-07	1.0E-03	9.2E-10	1.6E-01	6.7E-01	9.7E-11
72	2.5E+01	1.6E-06	1.0E-03	4.2E-08	1.6E-01	6.7E-01	4.4E-09	3.4E+00	1.7E-07	1.0E-03	6.1E-10	1.6E-01	6.7E-01	6.4E-11
73	1.2E+01	1.6E-06	1.0E-03	1.9E-08	1.6E-01	6.7E-01	2.0E-09	2.2E+00	1.7E-07	1.0E-03	3.9E-10	1.6E-01	6.7E-01	4.1E-11
74	6.7E+00	1.6E-06	1.0E-03	1.1E-08	1.6E-01	6.7E-01	1.2E-09	1.5E+00	1.7E-07	1.0E-03	2.7E-10	1.6E-01	6.7E-01	2.8E-11
75	4.2E+00	1.6E-06	1.0E-03	6.9E-09	1.6E-01	6.7E-01	7.3E-10	1.1E+00	1.7E-07	1.0E-03	1.9E-10	1.6E-01	6.7E-01	2.0E-11
76	2.8E+00	1.6E-06	1.0E-03	4.7E-09	1.6E-01	6.7E-01	4.9E-10	8.2E-01	1.7E-07	1.0E-03	1.5E-10	1.6E-01	6.7E-01	1.5E-11
77	2.0E+00	1.6E-06	1.0E-03	3.4E-09	1.6E-01	6.7E-01	3.5E-10	6.4E-01	1.7E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.2E-11
78	1.5E+00	1.6E-06	1.0E-03	2.5E-09	1.6E-01	6.7E-01	2.6E-10	5.2E-01	1.7E-07	1.0E-03	9.3E-11	1.6E-01	6.7E-01	9.7E-12
79	1.2E+00	1.6E-06	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10	4.3E-01	1.7E-07	1.0E-03	7.7E-11	1.6E-01	6.7E-01	8.1E-12
80	9.1E-01	1.6E-06	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.6E-10	3.6E-01	1.7E-07	1.0E-03	6.5E-11	1.6E-01	6.7E-01	6.8E-12
81	7.7E-01	1.6E-06	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.3E-10	3.5E+00	1.7E-07	1.0E-03	6.3E-10	1.6E-01	6.7E-01	6.6E-11
82	1.1E+00	1.6E-06	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10	3.8E+00	1.7E-07	1.0E-03	6.7E-10	1.6E-01	6.7E-01	7.0E-11
83	1.7E+00	1.6E-06	1.0E-03	2.8E-09	1.6E-01	6.7E-01	3.0E-10	3.8E+00	1.7E-07	1.0E-03	6.9E-10	1.6E-01	6.7E-01	7.2E-11
84	3.0E+00	1.6E-06	1.0E-03	4.9E-09	1.6E-01	6.7E-01	5.1E-10	3.8E+00	1.7E-07	1.0E-03	6.8E-10	1.6E-01	6.7E-01	7.2E-11
85	6.2E+00	1.6E-06	1.0E-03	1.0E-08	1.6E-01	6.7E-01	1.1E-09	3.7E+00	1.7E-07	1.0E-03	6.6E-10	1.6E-01	6.7E-01	6.9E-11
86	1.9E+01	1.6E-06	1.0E-03	3.2E-08	1.6E-01	6.7E-01	3.3E-09	3.4E+00	1.7E-07	1.0E-03	6.0E-10	1.6E-01	6.7E-01	6.3E-11

Franklin School Project

Risk From Modernization Const - Mitigated Residential

	Haul Route 1A							Haul Route 2A						
Receptor #	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
87	2.7E+01	1.6E-06	1.0E-03	4.4E-08	1.6E-01	6.7E-01	4.6E-09	2.9E+00	1.7E-07	1.0E-03	5.1E-10	1.6E-01	6.7E-01	5.4E-11
88	2.5E+01	1.6E-06	1.0E-03	4.2E-08	1.6E-01	6.7E-01	4.4E-09	2.2E+00	1.7E-07	1.0E-03	4.0E-10	1.6E-01	6.7E-01	4.2E-11
89	1.1E+01	1.6E-06	1.0E-03	1.9E-08	1.6E-01	6.7E-01	2.0E-09	1.6E+00	1.7E-07	1.0E-03	2.9E-10	1.6E-01	6.7E-01	3.1E-11
90	6.2E+00	1.6E-06	1.0E-03	1.0E-08	1.6E-01	6.7E-01	1.1E-09	1.2E+00	1.7E-07	1.0E-03	2.2E-10	1.6E-01	6.7E-01	2.3E-11
91	3.8E+00	1.6E-06	1.0E-03	6.3E-09	1.6E-01	6.7E-01	6.6E-10	9.1E-01	1.7E-07	1.0E-03	1.6E-10	1.6E-01	6.7E-01	1.7E-11
92	2.5E+00	1.6E-06	1.0E-03	4.2E-09	1.6E-01	6.7E-01	4.4E-10	7.1E-01	1.7E-07	1.0E-03	1.3E-10	1.6E-01	6.7E-01	1.3E-11
93	1.8E+00	1.6E-06	1.0E-03	3.0E-09	1.6E-01	6.7E-01	3.1E-10	5.7E-01	1.7E-07	1.0E-03	1.0E-10	1.6E-01	6.7E-01	1.1E-11
94	1.3E+00	1.6E-06	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.3E-10	4.7E-01	1.7E-07	1.0E-03	8.3E-11	1.6E-01	6.7E-01	8.7E-12
95	1.0E+00	1.6E-06	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10	3.9E-01	1.7E-07	1.0E-03	7.0E-11	1.6E-01	6.7E-01	7.3E-12
96	8.1E-01	1.6E-06	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.4E-10	3.3E-01	1.7E-07	1.0E-03	5.9E-11	1.6E-01	6.7E-01	6.2E-12
97	7.4E-01	1.6E-06	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.3E-10	2.2E+00	1.7E-07	1.0E-03	3.9E-10	1.6E-01	6.7E-01	4.1E-11
98	1.0E+00	1.6E-06	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10	2.4E+00	1.7E-07	1.0E-03	4.2E-10	1.6E-01	6.7E-01	4.4E-11
99	1.6E+00	1.6E-06	1.0E-03	2.6E-09	1.6E-01	6.7E-01	2.8E-10	2.4E+00	1.7E-07	1.0E-03	4.3E-10	1.6E-01	6.7E-01	4.6E-11
100	2.7E+00	1.6E-06	1.0E-03	4.5E-09	1.6E-01	6.7E-01	4.7E-10	2.4E+00	1.7E-07	1.0E-03	4.3E-10	1.6E-01	6.7E-01	4.6E-11
101	5.6E+00	1.6E-06	1.0E-03	9.2E-09	1.6E-01	6.7E-01	9.7E-10	2.4E+00	1.7E-07	1.0E-03	4.2E-10	1.6E-01	6.7E-01	4.4E-11
102	1.7E+01	1.6E-06	1.0E-03	2.8E-08	1.6E-01	6.7E-01	3.0E-09	2.2E+00	1.7E-07	1.0E-03	3.9E-10	1.6E-01	6.7E-01	4.1E-11
103	2.3E+01	1.6E-06	1.0E-03	3.8E-08	1.6E-01	6.7E-01	4.0E-09	1.9E+00	1.7E-07	1.0E-03	3.5E-10	1.6E-01	6.7E-01	3.6E-11
104	2.2E+01	1.6E-06	1.0E-03	3.6E-08	1.6E-01	6.7E-01	3.8E-09	1.6E+00	1.7E-07	1.0E-03	2.9E-10	1.6E-01	6.7E-01	3.0E-11
105	9.3E+00	1.6E-06	1.0E-03	1.5E-08	1.6E-01	6.7E-01	1.6E-09	1.3E+00	1.7E-07	1.0E-03	2.3E-10	1.6E-01	6.7E-01	2.4E-11
106	5.1E+00	1.6E-06	1.0E-03	8.5E-09	1.6E-01	6.7E-01	8.9E-10	1.0E+00	1.7E-07	1.0E-03	1.8E-10	1.6E-01	6.7E-01	1.9E-11
107	3.2E+00	1.6E-06	1.0E-03	5.3E-09	1.6E-01	6.7E-01	5.5E-10	7.9E-01	1.7E-07	1.0E-03	1.4E-10	1.6E-01	6.7E-01	1.5E-11
108	2.2E+00	1.6E-06	1.0E-03	3.6E-09	1.6E-01	6.7E-01	3.8E-10	6.3E-01	1.7E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.2E-11
109	1.5E+00	1.6E-06	1.0E-03	2.6E-09	1.6E-01	6.7E-01	2.7E-10	5.1E-01	1.7E-07	1.0E-03	9.2E-11	1.6E-01	6.7E-01	9.6E-12
110	1.2E+00	1.6E-06	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10	4.3E-01	1.7E-07	1.0E-03	7.6E-11	1.6E-01	6.7E-01	8.0E-12
111	9.0E-01	1.6E-06	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.6E-10	3.6E-01	1.7E-07	1.0E-03	6.4E-11	1.6E-01	6.7E-01	6.7E-12
112	7.2E-01	1.6E-06	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.3E-10	3.1E-01	1.7E-07	1.0E-03	5.5E-11	1.6E-01	6.7E-01	5.7E-12
113	6.8E-01	1.6E-06	1.0E-03	1.1E-09	1.6E-01	6.7E-01	1.2E-10	1.5E+00	1.7E-07	1.0E-03	2.7E-10	1.6E-01	6.7E-01	2.8E-11
114	9.4E-01	1.6E-06	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.6E-10	1.6E+00	1.7E-07	1.0E-03	2.9E-10	1.6E-01	6.7E-01	3.0E-11
115	1.4E+00	1.6E-06	1.0E-03	2.3E-09	1.6E-01	6.7E-01	2.4E-10	1.7E+00	1.7E-07	1.0E-03	3.0E-10	1.6E-01	6.7E-01	3.2E-11
116	2.2E+00	1.6E-06	1.0E-03	3.7E-09	1.6E-01	6.7E-01	3.9E-10	1.7E+00	1.7E-07	1.0E-03	3.0E-10	1.6E-01	6.7E-01	3.2E-11
117	4.1E+00	1.6E-06	1.0E-03	6.9E-09	1.6E-01	6.7E-01	7.2E-10	1.7E+00	1.7E-07	1.0E-03	3.0E-10	1.6E-01	6.7E-01	3.1E-11
118	3.8E+00	1.6E-06	1.0E-03	6.4E-09	1.6E-01	6.7E-01	6.7E-10	8.5E-01	1.7E-07	1.0E-03	1.5E-10	1.6E-01	6.7E-01	1.6E-11
119	2.5E+00	1.6E-06	1.0E-03	4.2E-09	1.6E-01	6.7E-01	4.4E-10	6.9E-01	1.7E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.3E-11
120	1.8E+00	1.6E-06	1.0E-03	3.0E-09	1.6E-01	6.7E-01	3.1E-10	5.7E-01	1.7E-07	1.0E-03	1.0E-10	1.6E-01	6.7E-01	1.1E-11
121	1.3E+00	1.6E-06	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.3E-10	4.7E-01	1.7E-07	1.0E-03	8.4E-11	1.6E-01	6.7E-01	8.8E-12
122	1.0E+00	1.6E-06	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10	3.9E-01	1.7E-07	1.0E-03	7.0E-11	1.6E-01	6.7E-01	7.4E-12
123	7.9E-01	1.6E-06	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.4E-10	3.3E-01	1.7E-07	1.0E-03	6.0E-11	1.6E-01	6.7E-01	6.3E-12
124	6.4E-01	1.6E-06	1.0E-03	1.1E-09	1.6E-01	6.7E-01	1.1E-10	2.9E-01	1.7E-07	1.0E-03	5.1E-11	1.6E-01	6.7E-01	5.4E-12
125	6.1E-01	1.6E-06	1.0E-03	1.0E-09	1.6E-01	6.7E-01	1.1E-10	1.1E+00	1.7E-07	1.0E-03	1.9E-10	1.6E-01	6.7E-01	2.0E-11
126	8.1E-01	1.6E-06	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.4E-10	1.2E+00	1.7E-07	1.0E-03	2.1E-10	1.6E-01	6.7E-01	2.2E-11
127	1.1E+00	1.6E-06	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10	1.2E+00	1.7E-07	1.0E-03	2.2E-10	1.6E-01	6.7E-01	2.3E-11
128	1.7E+00	1.6E-06	1.0E-03	2.8E-09	1.6E-01	6.7E-01	2.9E-10	1.3E+00	1.7E-07	1.0E-03	2.2E-10	1.6E-01	6.7E-01	2.4E-11
129	2.7E+00	1.6E-06	1.0E-03	4.4E-09	1.6E-01	6.7E-01	4.6E-10	1.2E+00	1.7E-07	1.0E-03	2.2E-10	1.6E-01	6.7E-01	2.3E-11

Franklin School Project

Risk From Modernization Const - Mitigated Residential

	Haul Route 1A							Haul Route 2A						
Receptor #	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
130	2.8E+00	1.6E-06	1.0E-03	4.6E-09	1.6E-01	6.7E-01	4.9E-10	7.2E-01	1.7E-07	1.0E-03	1.3E-10	1.6E-01	6.7E-01	1.4E-11
131	2.0E+00	1.6E-06	1.0E-03	3.3E-09	1.6E-01	6.7E-01	3.5E-10	6.1E-01	1.7E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.1E-11
132	1.5E+00	1.6E-06	1.0E-03	2.4E-09	1.6E-01	6.7E-01	2.6E-10	5.1E-01	1.7E-07	1.0E-03	9.1E-11	1.6E-01	6.7E-01	9.5E-12
133	1.1E+00	1.6E-06	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10	4.3E-01	1.7E-07	1.0E-03	7.7E-11	1.6E-01	6.7E-01	8.1E-12
134	8.9E-01	1.6E-06	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.5E-10	3.7E-01	1.7E-07	1.0E-03	6.5E-11	1.6E-01	6.7E-01	6.9E-12
135	7.1E-01	1.6E-06	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.2E-10	3.1E-01	1.7E-07	1.0E-03	5.6E-11	1.6E-01	6.7E-01	5.9E-12
136	5.8E-01	1.6E-06	1.0E-03	9.6E-10	1.6E-01	6.7E-01	1.0E-10	2.7E-01	1.7E-07	1.0E-03	4.8E-11	1.6E-01	6.7E-01	5.1E-12
137	5.3E-01	1.6E-06	1.0E-03	8.8E-10	1.6E-01	6.7E-01	9.3E-11	8.3E-01	1.7E-07	1.0E-03	1.5E-10	1.6E-01	6.7E-01	1.6E-11
138	6.9E-01	1.6E-06	1.0E-03	1.1E-09	1.6E-01	6.7E-01	1.2E-10	9.0E-01	1.7E-07	1.0E-03	1.6E-10	1.6E-01	6.7E-01	1.7E-11
139	9.1E-01	1.6E-06	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.6E-10	9.4E-01	1.7E-07	1.0E-03	1.7E-10	1.6E-01	6.7E-01	1.8E-11
140	1.3E+00	1.6E-06	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.2E-10	9.6E-01	1.7E-07	1.0E-03	1.7E-10	1.6E-01	6.7E-01	1.8E-11
141	1.7E+00	1.6E-06	1.0E-03	2.9E-09	1.6E-01	6.7E-01	3.0E-10	9.6E-01	1.7E-07	1.0E-03	1.7E-10	1.6E-01	6.7E-01	1.8E-11
142	2.0E+00	1.6E-06	1.0E-03	3.4E-09	1.6E-01	6.7E-01	3.5E-10	6.1E-01	1.7E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.2E-11
143	1.6E+00	1.6E-06	1.0E-03	2.6E-09	1.6E-01	6.7E-01	2.7E-10	5.3E-01	1.7E-07	1.0E-03	9.5E-11	1.6E-01	6.7E-01	9.9E-12
144	1.2E+00	1.6E-06	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10	4.6E-01	1.7E-07	1.0E-03	8.1E-11	1.6E-01	6.7E-01	8.6E-12
145	9.9E-01	1.6E-06	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10	4.0E-01	1.7E-07	1.0E-03	7.1E-11	1.6E-01	6.7E-01	7.4E-12
146	7.9E-01	1.6E-06	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.4E-10	3.4E-01	1.7E-07	1.0E-03	6.1E-11	1.6E-01	6.7E-01	6.4E-12
147	6.4E-01	1.6E-06	1.0E-03	1.1E-09	1.6E-01	6.7E-01	1.1E-10	3.0E-01	1.7E-07	1.0E-03	5.3E-11	1.6E-01	6.7E-01	5.5E-12
148	5.3E-01	1.6E-06	1.0E-03	8.7E-10	1.6E-01	6.7E-01	9.2E-11	2.6E-01	1.7E-07	1.0E-03	4.6E-11	1.6E-01	6.7E-01	4.8E-12
149	4.6E-01	1.6E-06	1.0E-03	7.7E-10	1.6E-01	6.7E-01	8.0E-11	6.5E-01	1.7E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.2E-11
150	5.7E-01	1.6E-06	1.0E-03	9.5E-10	1.6E-01	6.7E-01	9.9E-11	7.0E-01	1.7E-07	1.0E-03	1.3E-10	1.6E-01	6.7E-01	1.3E-11
151	7.3E-01	1.6E-06	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.3E-10	7.4E-01	1.7E-07	1.0E-03	1.3E-10	1.6E-01	6.7E-01	1.4E-11
152	9.5E-01	1.6E-06	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10	7.6E-01	1.7E-07	1.0E-03	1.4E-10	1.6E-01	6.7E-01	1.4E-11
153	1.2E+00	1.6E-06	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.2E-10	7.6E-01	1.7E-07	1.0E-03	1.4E-10	1.6E-01	6.7E-01	1.4E-11
154	1.6E+00	1.6E-06	1.0E-03	2.6E-09	1.6E-01	6.7E-01	2.7E-10	5.3E-01	1.7E-07	1.0E-03	9.5E-11	1.6E-01	6.7E-01	1.0E-11
155	1.3E+00	1.6E-06	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.2E-10	4.7E-01	1.7E-07	1.0E-03	8.4E-11	1.6E-01	6.7E-01	8.8E-12
156	1.0E+00	1.6E-06	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10	4.1E-01	1.7E-07	1.0E-03	7.3E-11	1.6E-01	6.7E-01	7.6E-12
157	8.6E-01	1.6E-06	1.0E-03	1.4E-09	1.6E-01	6.7E-01	1.5E-10	3.6E-01	1.7E-07	1.0E-03	6.5E-11	1.6E-01	6.7E-01	6.8E-12
158	7.1E-01	1.6E-06	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.2E-10	3.2E-01	1.7E-07	1.0E-03	5.7E-11	1.6E-01	6.7E-01	5.9E-12
159	5.8E-01	1.6E-06	1.0E-03	9.7E-10	1.6E-01	6.7E-01	1.0E-10	2.8E-01	1.7E-07	1.0E-03	5.0E-11	1.6E-01	6.7E-01	5.2E-12
160	4.9E-01	1.6E-06	1.0E-03	8.1E-10	1.6E-01	6.7E-01	8.5E-11	2.4E-01	1.7E-07	1.0E-03	4.4E-11	1.6E-01	6.7E-01	4.6E-12
161	4.0E-01	1.6E-06	1.0E-03	6.6E-10	1.6E-01	6.7E-01	6.9E-11	5.3E-01	1.7E-07	1.0E-03	9.4E-11	1.6E-01	6.7E-01	9.9E-12
162	4.8E-01	1.6E-06	1.0E-03	8.0E-10	1.6E-01	6.7E-01	8.4E-11	5.7E-01	1.7E-07	1.0E-03	1.0E-10	1.6E-01	6.7E-01	1.1E-11
163	5.9E-01	1.6E-06	1.0E-03	9.8E-10	1.6E-01	6.7E-01	1.0E-10	6.0E-01	1.7E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.1E-11
164	7.4E-01	1.6E-06	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.3E-10	6.1E-01	1.7E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.1E-11
165	9.3E-01	1.6E-06	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.6E-10	6.2E-01	1.7E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.2E-11
166	1.1E+00	1.6E-06	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10	6.1E-01	1.7E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.1E-11
167	1.3E+00	1.6E-06	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.2E-10	5.8E-01	1.7E-07	1.0E-03	1.0E-10	1.6E-01	6.7E-01	1.1E-11
168	1.3E+00	1.6E-06	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.3E-10	5.5E-01	1.7E-07	1.0E-03	9.8E-11	1.6E-01	6.7E-01	1.0E-11
169	1.3E+00	1.6E-06	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.3E-10	5.1E-01	1.7E-07	1.0E-03	9.1E-11	1.6E-01	6.7E-01	9.5E-12
170	1.2E+00	1.6E-06	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10	4.6E-01	1.7E-07	1.0E-03	8.3E-11	1.6E-01	6.7E-01	8.7E-12
171	1.0E+00	1.6E-06	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10	4.2E-01	1.7E-07	1.0E-03	7.4E-11	1.6E-01	6.7E-01	7.8E-12
172	8.6E-01	1.6E-06	1.0E-03	1.4E-09	1.6E-01	6.7E-01	1.5E-10	3.7E-01	1.7E-07	1.0E-03	6.5E-11	1.6E-01	6.7E-01	6.8E-12

Franklin School Project

Risk From Modernization Const - Mitigated Residential

	Haul Route 1A							Haul Route 2A						
Receptor #	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
173	7.2E-01	1.6E-06	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.3E-10	3.2E-01	1.7E-07	1.0E-03	5.8E-11	1.6E-01	6.7E-01	6.1E-12
174	6.3E-01	1.6E-06	1.0E-03	1.0E-09	1.6E-01	6.7E-01	1.1E-10	2.9E-01	1.7E-07	1.0E-03	5.2E-11	1.6E-01	6.7E-01	5.5E-12
175	5.3E-01	1.6E-06	1.0E-03	8.8E-10	1.6E-01	6.7E-01	9.3E-11	2.6E-01	1.7E-07	1.0E-03	4.6E-11	1.6E-01	6.7E-01	4.9E-12
176	4.5E-01	1.6E-06	1.0E-03	7.5E-10	1.6E-01	6.7E-01	7.8E-11	2.3E-01	1.7E-07	1.0E-03	4.1E-11	1.6E-01	6.7E-01	4.3E-12
177	3.5E-01	1.6E-06	1.0E-03	5.7E-10	1.6E-01	6.7E-01	6.0E-11	4.4E-01	1.7E-07	1.0E-03	7.8E-11	1.6E-01	6.7E-01	8.2E-12
178	4.1E-01	1.6E-06	1.0E-03	6.8E-10	1.6E-01	6.7E-01	7.1E-11	4.7E-01	1.7E-07	1.0E-03	8.3E-11	1.6E-01	6.7E-01	8.7E-12
179	4.9E-01	1.6E-06	1.0E-03	8.1E-10	1.6E-01	6.7E-01	8.6E-11	4.9E-01	1.7E-07	1.0E-03	8.7E-11	1.6E-01	6.7E-01	9.2E-12
180	6.0E-01	1.6E-06	1.0E-03	9.9E-10	1.6E-01	6.7E-01	1.0E-10	5.0E-01	1.7E-07	1.0E-03	9.0E-11	1.6E-01	6.7E-01	9.4E-12
181	7.3E-01	1.6E-06	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.3E-10	5.1E-01	1.7E-07	1.0E-03	9.1E-11	1.6E-01	6.7E-01	9.5E-12
182	8.5E-01	1.6E-06	1.0E-03	1.4E-09	1.6E-01	6.7E-01	1.5E-10	5.0E-01	1.7E-07	1.0E-03	9.0E-11	1.6E-01	6.7E-01	9.4E-12
183	9.4E-01	1.6E-06	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.6E-10	4.9E-01	1.7E-07	1.0E-03	8.7E-11	1.6E-01	6.7E-01	9.1E-12
184	9.9E-01	1.6E-06	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10	4.7E-01	1.7E-07	1.0E-03	8.3E-11	1.6E-01	6.7E-01	8.7E-12
185	9.8E-01	1.6E-06	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10	4.4E-01	1.7E-07	1.0E-03	7.8E-11	1.6E-01	6.7E-01	8.2E-12
186	9.3E-01	1.6E-06	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.6E-10	4.0E-01	1.7E-07	1.0E-03	7.2E-11	1.6E-01	6.7E-01	7.6E-12
187	8.4E-01	1.6E-06	1.0E-03	1.4E-09	1.6E-01	6.7E-01	1.5E-10	3.7E-01	1.7E-07	1.0E-03	6.6E-11	1.6E-01	6.7E-01	6.9E-12
188	7.4E-01	1.6E-06	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.3E-10	3.3E-01	1.7E-07	1.0E-03	6.0E-11	1.6E-01	6.7E-01	6.3E-12
189	6.2E-01	1.6E-06	1.0E-03	1.0E-09	1.6E-01	6.7E-01	1.1E-10	2.9E-01	1.7E-07	1.0E-03	5.2E-11	1.6E-01	6.7E-01	5.5E-12
190	5.5E-01	1.6E-06	1.0E-03	9.2E-10	1.6E-01	6.7E-01	9.7E-11	2.7E-01	1.7E-07	1.0E-03	4.8E-11	1.6E-01	6.7E-01	5.1E-12
191	4.8E-01	1.6E-06	1.0E-03	8.0E-10	1.6E-01	6.7E-01	8.4E-11	2.4E-01	1.7E-07	1.0E-03	4.3E-11	1.6E-01	6.7E-01	4.6E-12
192	4.2E-01	1.6E-06	1.0E-03	6.9E-10	1.6E-01	6.7E-01	7.2E-11	2.2E-01	1.7E-07	1.0E-03	3.9E-11	1.6E-01	6.7E-01	4.1E-12
193	3.0E-01	1.6E-06	1.0E-03	5.0E-10	1.6E-01	6.7E-01	5.3E-11	3.7E-01	1.7E-07	1.0E-03	6.6E-11	1.6E-01	6.7E-01	6.9E-12
194	3.5E-01	1.6E-06	1.0E-03	5.9E-10	1.6E-01	6.7E-01	6.2E-11	3.9E-01	1.7E-07	1.0E-03	7.0E-11	1.6E-01	6.7E-01	7.3E-12
195	4.2E-01	1.6E-06	1.0E-03	6.9E-10	1.6E-01	6.7E-01	7.3E-11	4.1E-01	1.7E-07	1.0E-03	7.3E-11	1.6E-01	6.7E-01	7.7E-12
196	5.0E-01	1.6E-06	1.0E-03	8.2E-10	1.6E-01	6.7E-01	8.6E-11	4.2E-01	1.7E-07	1.0E-03	7.5E-11	1.6E-01	6.7E-01	7.9E-12
197	5.8E-01	1.6E-06	1.0E-03	9.6E-10	1.6E-01	6.7E-01	1.0E-10	4.3E-01	1.7E-07	1.0E-03	7.6E-11	1.6E-01	6.7E-01	8.0E-12
198	6.6E-01	1.6E-06	1.0E-03	1.1E-09	1.6E-01	6.7E-01	1.1E-10	4.2E-01	1.7E-07	1.0E-03	7.5E-11	1.6E-01	6.7E-01	7.9E-12
199	7.2E-01	1.6E-06	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.3E-10	4.1E-01	1.7E-07	1.0E-03	7.4E-11	1.6E-01	6.7E-01	7.7E-12
200	7.6E-01	1.6E-06	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.3E-10	4.0E-01	1.7E-07	1.0E-03	7.1E-11	1.6E-01	6.7E-01	7.5E-12
201	7.6E-01	1.6E-06	1.0E-03	1.3E-09	1.6E-01	6.7E-01	1.3E-10	3.8E-01	1.7E-07	1.0E-03	6.7E-11	1.6E-01	6.7E-01	7.1E-12
202	7.3E-01	1.6E-06	1.0E-03	1.2E-09	1.6E-01	6.7E-01	1.3E-10	3.5E-01	1.7E-07	1.0E-03	6.3E-11	1.6E-01	6.7E-01	6.6E-12
203	6.7E-01	1.6E-06	1.0E-03	1.1E-09	1.6E-01	6.7E-01	1.2E-10	3.2E-01	1.7E-07	1.0E-03	5.7E-11	1.6E-01	6.7E-01	6.0E-12
204	6.1E-01	1.6E-06	1.0E-03	1.0E-09	1.6E-01	6.7E-01	1.1E-10	3.0E-01	1.7E-07	1.0E-03	5.3E-11	1.6E-01	6.7E-01	5.5E-12
205	5.4E-01	1.6E-06	1.0E-03	9.0E-10	1.6E-01	6.7E-01	9.5E-11	2.7E-01	1.7E-07	1.0E-03	4.8E-11	1.6E-01	6.7E-01	5.1E-12
206	4.7E-01	1.6E-06	1.0E-03	7.8E-10	1.6E-01	6.7E-01	8.2E-11	2.4E-01	1.7E-07	1.0E-03	4.3E-11	1.6E-01	6.7E-01	4.5E-12
207	4.3E-01	1.6E-06	1.0E-03	7.2E-10	1.6E-01	6.7E-01	7.5E-11	2.3E-01	1.7E-07	1.0E-03	4.0E-11	1.6E-01	6.7E-01	4.2E-12
208	3.8E-01	1.6E-06	1.0E-03	6.3E-10	1.6E-01	6.7E-01	6.6E-11	2.1E-01	1.7E-07	1.0E-03	3.7E-11	1.6E-01	6.7E-01	3.8E-12
209	2.7E-01	1.6E-06	1.0E-03	4.4E-10	1.6E-01	6.7E-01	4.7E-11	3.1E-01	1.7E-07	1.0E-03	5.6E-11	1.6E-01	6.7E-01	5.9E-12
210	3.1E-01	1.6E-06	1.0E-03	5.1E-10	1.6E-01	6.7E-01	5.4E-11	3.3E-01	1.7E-07	1.0E-03	5.9E-11	1.6E-01	6.7E-01	6.2E-12
211	3.6E-01	1.6E-06	1.0E-03	5.9E-10	1.6E-01	6.7E-01	6.2E-11	3.5E-01	1.7E-07	1.0E-03	6.2E-11	1.6E-01	6.7E-01	6.5E-12
212	4.1E-01	1.6E-06	1.0E-03	6.9E-10	1.6E-01	6.7E-01	7.2E-11	3.6E-01	1.7E-07	1.0E-03	6.4E-11	1.6E-01	6.7E-01	6.7E-12
213	4.7E-01	1.6E-06	1.0E-03	7.9E-10	1.6E-01	6.7E-01	8.3E-11	3.6E-01	1.7E-07	1.0E-03	6.4E-11	1.6E-01	6.7E-01	6.8E-12
214	5.3E-01	1.6E-06	1.0E-03	8.8E-10	1.6E-01	6.7E-01	9.2E-11	3.6E-01	1.7E-07	1.0E-03	6.4E-11	1.6E-01	6.7E-01	6.8E-12
215	5.7E-01	1.6E-06	1.0E-03	9.5E-10	1.6E-01	6.7E-01	1.0E-10	3.5E-01	1.7E-07	1.0E-03	6.3E-11	1.6E-01	6.7E-01	6.6E-12

Franklin School Project

Risk From Modernization Const - Mitigated Residential

	Haul Route 1A							Haul Route 2A						
Receptor #	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
216	6.0E-01	1.6E-06	1.0E-03	9.9E-10	1.6E-01	6.7E-01	1.0E-10	3.4E-01	1.7E-07	1.0E-03	6.1E-11	1.6E-01	6.7E-01	6.4E-12
217	6.1E-01	1.6E-06	1.0E-03	1.0E-09	1.6E-01	6.7E-01	1.1E-10	3.3E-01	1.7E-07	1.0E-03	5.8E-11	1.6E-01	6.7E-01	6.1E-12
218	5.9E-01	1.6E-06	1.0E-03	9.8E-10	1.6E-01	6.7E-01	1.0E-10	3.1E-01	1.7E-07	1.0E-03	5.5E-11	1.6E-01	6.7E-01	5.8E-12
219	5.6E-01	1.6E-06	1.0E-03	9.3E-10	1.6E-01	6.7E-01	9.8E-11	2.9E-01	1.7E-07	1.0E-03	5.2E-11	1.6E-01	6.7E-01	5.4E-12
220	5.3E-01	1.6E-06	1.0E-03	8.8E-10	1.6E-01	6.7E-01	9.2E-11	2.7E-01	1.7E-07	1.0E-03	4.8E-11	1.6E-01	6.7E-01	5.1E-12
221	4.8E-01	1.6E-06	1.0E-03	8.0E-10	1.6E-01	6.7E-01	8.4E-11	2.5E-01	1.7E-07	1.0E-03	4.5E-11	1.6E-01	6.7E-01	4.7E-12
222	4.1E-01	1.6E-06	1.0E-03	6.9E-10	1.6E-01	6.7E-01	7.2E-11	2.2E-01	1.7E-07	1.0E-03	4.0E-11	1.6E-01	6.7E-01	4.2E-12
223	3.7E-01	1.6E-06	1.0E-03	6.1E-10	1.6E-01	6.7E-01	6.5E-11	2.0E-01	1.7E-07	1.0E-03	3.6E-11	1.6E-01	6.7E-01	3.8E-12
224	3.5E-01	1.6E-06	1.0E-03	5.8E-10	1.6E-01	6.7E-01	6.0E-11	1.9E-01	1.7E-07	1.0E-03	3.4E-11	1.6E-01	6.7E-01	3.6E-12
225	2.4E-01	1.6E-06	1.0E-03	4.0E-10	1.6E-01	6.7E-01	4.2E-11	2.7E-01	1.7E-07	1.0E-03	4.8E-11	1.6E-01	6.7E-01	5.1E-12
226	2.7E-01	1.6E-06	1.0E-03	4.5E-10	1.6E-01	6.7E-01	4.7E-11	2.9E-01	1.7E-07	1.0E-03	5.1E-11	1.6E-01	6.7E-01	5.4E-12
227	3.1E-01	1.6E-06	1.0E-03	5.1E-10	1.6E-01	6.7E-01	5.4E-11	3.0E-01	1.7E-07	1.0E-03	5.3E-11	1.6E-01	6.7E-01	5.6E-12
228	3.5E-01	1.6E-06	1.0E-03	5.8E-10	1.6E-01	6.7E-01	6.1E-11	3.1E-01	1.7E-07	1.0E-03	5.5E-11	1.6E-01	6.7E-01	5.7E-12
229	4.0E-01	1.6E-06	1.0E-03	6.6E-10	1.6E-01	6.7E-01	6.9E-11	3.1E-01	1.7E-07	1.0E-03	5.5E-11	1.6E-01	6.7E-01	5.8E-12
230	4.4E-01	1.6E-06	1.0E-03	7.2E-10	1.6E-01	6.7E-01	7.6E-11	3.1E-01	1.7E-07	1.0E-03	5.5E-11	1.6E-01	6.7E-01	5.8E-12
231	4.7E-01	1.6E-06	1.0E-03	7.8E-10	1.6E-01	6.7E-01	8.2E-11	3.1E-01	1.7E-07	1.0E-03	5.5E-11	1.6E-01	6.7E-01	5.7E-12
232	4.9E-01	1.6E-06	1.0E-03	8.1E-10	1.6E-01	6.7E-01	8.5E-11	3.0E-01	1.7E-07	1.0E-03	5.3E-11	1.6E-01	6.7E-01	5.6E-12
233	5.0E-01	1.6E-06	1.0E-03	8.2E-10	1.6E-01	6.7E-01	8.6E-11	2.9E-01	1.7E-07	1.0E-03	5.1E-11	1.6E-01	6.7E-01	5.4E-12
234	4.9E-01	1.6E-06	1.0E-03	8.1E-10	1.6E-01	6.7E-01	8.5E-11	2.7E-01	1.7E-07	1.0E-03	4.9E-11	1.6E-01	6.7E-01	5.1E-12
235	4.7E-01	1.6E-06	1.0E-03	7.8E-10	1.6E-01	6.7E-01	8.2E-11	2.6E-01	1.7E-07	1.0E-03	4.6E-11	1.6E-01	6.7E-01	4.9E-12
236	4.5E-01	1.6E-06	1.0E-03	7.4E-10	1.6E-01	6.7E-01	7.8E-11	2.4E-01	1.7E-07	1.0E-03	4.4E-11	1.6E-01	6.7E-01	4.6E-12
237	4.2E-01	1.6E-06	1.0E-03	6.9E-10	1.6E-01	6.7E-01	7.3E-11	2.3E-01	1.7E-07	1.0E-03	4.1E-11	1.6E-01	6.7E-01	4.3E-12
238	3.8E-01	1.6E-06	1.0E-03	6.3E-10	1.6E-01	6.7E-01	6.7E-11	2.1E-01	1.7E-07	1.0E-03	3.8E-11	1.6E-01	6.7E-01	4.0E-12
239	3.3E-01	1.6E-06	1.0E-03	5.5E-10	1.6E-01	6.7E-01	5.8E-11	1.9E-01	1.7E-07	1.0E-03	3.3E-11	1.6E-01	6.7E-01	3.5E-12
240	3.0E-01	1.6E-06	1.0E-03	5.0E-10	1.6E-01	6.7E-01	5.2E-11	1.7E-01	1.7E-07	1.0E-03	3.1E-11	1.6E-01	6.7E-01	3.2E-12
241	2.1E-01	1.6E-06	1.0E-03	3.5E-10	1.6E-01	6.7E-01	3.7E-11	2.4E-01	1.7E-07	1.0E-03	4.2E-11	1.6E-01	6.7E-01	4.4E-12
242	2.4E-01	1.6E-06	1.0E-03	4.0E-10	1.6E-01	6.7E-01	4.2E-11	2.5E-01	1.7E-07	1.0E-03	4.4E-11	1.6E-01	6.7E-01	4.7E-12
243	2.7E-01	1.6E-06	1.0E-03	4.5E-10	1.6E-01	6.7E-01	4.7E-11	2.6E-01	1.7E-07	1.0E-03	4.6E-11	1.6E-01	6.7E-01	4.8E-12
244	3.0E-01	1.6E-06	1.0E-03	5.0E-10	1.6E-01	6.7E-01	5.3E-11	2.7E-01	1.7E-07	1.0E-03	4.7E-11	1.6E-01	6.7E-01	5.0E-12
245	3.4E-01	1.6E-06	1.0E-03	5.6E-10	1.6E-01	6.7E-01	5.8E-11	2.7E-01	1.7E-07	1.0E-03	4.8E-11	1.6E-01	6.7E-01	5.0E-12
246	3.7E-01	1.6E-06	1.0E-03	6.1E-10	1.6E-01	6.7E-01	6.4E-11	2.7E-01	1.7E-07	1.0E-03	4.8E-11	1.6E-01	6.7E-01	5.1E-12
247	3.9E-01	1.6E-06	1.0E-03	6.5E-10	1.6E-01	6.7E-01	6.8E-11	2.7E-01	1.7E-07	1.0E-03	4.8E-11	1.6E-01	6.7E-01	5.0E-12
248	4.1E-01	1.6E-06	1.0E-03	6.7E-10	1.6E-01	6.7E-01	7.1E-11	2.6E-01	1.7E-07	1.0E-03	4.7E-11	1.6E-01	6.7E-01	4.9E-12
249	4.1E-01	1.6E-06	1.0E-03	6.8E-10	1.6E-01	6.7E-01	7.2E-11	2.5E-01	1.7E-07	1.0E-03	4.5E-11	1.6E-01	6.7E-01	4.8E-12
250	4.1E-01	1.6E-06	1.0E-03	6.8E-10	1.6E-01	6.7E-01	7.1E-11	2.4E-01	1.7E-07	1.0E-03	4.4E-11	1.6E-01	6.7E-01	4.6E-12
251	4.0E-01	1.6E-06	1.0E-03	6.6E-10	1.6E-01	6.7E-01	7.0E-11	2.3E-01	1.7E-07	1.0E-03	4.2E-11	1.6E-01	6.7E-01	4.4E-12
252	3.8E-01	1.6E-06	1.0E-03	6.4E-10	1.6E-01	6.7E-01	6.7E-11	2.2E-01	1.7E-07	1.0E-03	3.9E-11	1.6E-01	6.7E-01	4.1E-12
253	3.6E-01	1.6E-06	1.0E-03	6.0E-10	1.6E-01	6.7E-01	6.3E-11	2.1E-01	1.7E-07	1.0E-03	3.7E-11	1.6E-01	6.7E-01	3.9E-12
254	3.4E-01	1.6E-06	1.0E-03	5.6E-10	1.6E-01	6.7E-01	5.9E-11	1.9E-01	1.7E-07	1.0E-03	3.5E-11	1.6E-01	6.7E-01	3.6E-12
255	3.1E-01	1.6E-06	1.0E-03	5.1E-10	1.6E-01	6.7E-01	5.4E-11	1.8E-01	1.7E-07	1.0E-03	3.2E-11	1.6E-01	6.7E-01	3.4E-12
256	2.7E-01	1.6E-06	1.0E-03	4.5E-10	1.6E-01	6.7E-01	4.7E-11	1.6E-01	1.7E-07	1.0E-03	2.9E-11	1.6E-01	6.7E-01	3.0E-12
257	1.9E-01	1.6E-06	1.0E-03	3.2E-10	1.6E-01	6.7E-01	3.3E-11	2.1E-01	1.7E-07	1.0E-03	3.7E-11	1.6E-01	6.7E-01	3.9E-12
258	2.1E-01	1.6E-06	1.0E-03	3.5E-10	1.6E-01	6.7E-01	3.7E-11	2.2E-01	1.7E-07	1.0E-03	3.9E-11	1.6E-01	6.7E-01	4.1E-12

Franklin School Project

Risk From Modernization Const - Mitigated Residential

	Haul Route 1A							Haul Route 2A						
Receptor #	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
259	2.4E-01	1.6E-06	1.0E-03	3.9E-10	1.6E-01	6.7E-01	4.1E-11	2.3E-01	1.7E-07	1.0E-03	4.0E-11	1.6E-01	6.7E-01	4.3E-12
260	2.6E-01	1.6E-06	1.0E-03	4.4E-10	1.6E-01	6.7E-01	4.6E-11	2.3E-01	1.7E-07	1.0E-03	4.2E-11	1.6E-01	6.7E-01	4.4E-12
261	2.9E-01	1.6E-06	1.0E-03	4.8E-10	1.6E-01	6.7E-01	5.0E-11	2.4E-01	1.7E-07	1.0E-03	4.2E-11	1.6E-01	6.7E-01	4.4E-12
262	3.1E-01	1.6E-06	1.0E-03	5.2E-10	1.6E-01	6.7E-01	5.4E-11	2.4E-01	1.7E-07	1.0E-03	4.2E-11	1.6E-01	6.7E-01	4.4E-12
263	3.3E-01	1.6E-06	1.0E-03	5.5E-10	1.6E-01	6.7E-01	5.7E-11	2.4E-01	1.7E-07	1.0E-03	4.2E-11	1.6E-01	6.7E-01	4.4E-12
264	3.4E-01	1.6E-06	1.0E-03	5.7E-10	1.6E-01	6.7E-01	6.0E-11	2.3E-01	1.7E-07	1.0E-03	4.1E-11	1.6E-01	6.7E-01	4.3E-12
265	3.5E-01	1.6E-06	1.0E-03	5.8E-10	1.6E-01	6.7E-01	6.1E-11	2.3E-01	1.7E-07	1.0E-03	4.0E-11	1.6E-01	6.7E-01	4.2E-12
266	3.5E-01	1.6E-06	1.0E-03	5.8E-10	1.6E-01	6.7E-01	6.1E-11	2.2E-01	1.7E-07	1.0E-03	3.9E-11	1.6E-01	6.7E-01	4.1E-12
267	3.4E-01	1.6E-06	1.0E-03	5.7E-10	1.6E-01	6.7E-01	5.9E-11	2.1E-01	1.7E-07	1.0E-03	3.7E-11	1.6E-01	6.7E-01	3.9E-12
268	3.3E-01	1.6E-06	1.0E-03	5.5E-10	1.6E-01	6.7E-01	5.8E-11	2.0E-01	1.7E-07	1.0E-03	3.6E-11	1.6E-01	6.7E-01	3.7E-12
269	3.2E-01	1.6E-06	1.0E-03	5.2E-10	1.6E-01	6.7E-01	5.5E-11	1.9E-01	1.7E-07	1.0E-03	3.4E-11	1.6E-01	6.7E-01	3.6E-12
270	3.0E-01	1.6E-06	1.0E-03	5.0E-10	1.6E-01	6.7E-01	5.2E-11	1.8E-01	1.7E-07	1.0E-03	3.2E-11	1.6E-01	6.7E-01	3.4E-12
271	2.8E-01	1.6E-06	1.0E-03	4.6E-10	1.6E-01	6.7E-01	4.8E-11	1.7E-01	1.7E-07	1.0E-03	3.0E-11	1.6E-01	6.7E-01	3.1E-12
272	2.5E-01	1.6E-06	1.0E-03	4.1E-10	1.6E-01	6.7E-01	4.3E-11	1.5E-01	1.7E-07	1.0E-03	2.7E-11	1.6E-01	6.7E-01	2.8E-12
273	1.7E+01	1.6E-06	1.0E-03	2.8E-08	1.6E-01	6.7E-01	3.0E-09	2.2E+00	1.7E-07	1.0E-03	3.9E-10	1.6E-01	6.7E-01	4.1E-11
274	2.4E+01	1.6E-06	1.0E-03	3.9E-08	1.6E-01	6.7E-01	4.1E-09	2.2E+00	1.7E-07	1.0E-03	3.8E-10	1.6E-01	6.7E-01	4.0E-11
275	3.4E+01	1.6E-06	1.0E-03	5.7E-08	1.6E-01	6.7E-01	5.9E-09	2.1E+00	1.7E-07	1.0E-03	3.8E-10	1.6E-01	6.7E-01	3.9E-11
276	3.2E+01	1.6E-06	1.0E-03	5.3E-08	1.6E-01	6.7E-01	5.6E-09	2.1E+00	1.7E-07	1.0E-03	3.7E-10	1.6E-01	6.7E-01	3.8E-11
277	2.1E+01	1.6E-06	1.0E-03	3.5E-08	1.6E-01	6.7E-01	3.6E-09	2.0E+00	1.7E-07	1.0E-03	3.6E-10	1.6E-01	6.7E-01	3.7E-11
278	2.3E+01	1.6E-06	1.0E-03	3.8E-08	1.6E-01	6.7E-01	4.0E-09	1.9E+00	1.7E-07	1.0E-03	3.5E-10	1.6E-01	6.7E-01	3.6E-11
279	2.2E+01	1.6E-06	1.0E-03	3.6E-08	1.6E-01	6.7E-01	3.8E-09	1.9E+00	1.7E-07	1.0E-03	3.3E-10	1.6E-01	6.7E-01	3.5E-11
280	3.3E+01	1.6E-06	1.0E-03	5.5E-08	1.6E-01	6.7E-01	5.8E-09	1.8E+00	1.7E-07	1.0E-03	3.2E-10	1.6E-01	6.7E-01	3.4E-11
281	3.7E+01	1.6E-06	1.0E-03	6.2E-08	1.6E-01	6.7E-01	6.5E-09	1.7E+00	1.7E-07	1.0E-03	3.1E-10	1.6E-01	6.7E-01	3.3E-11
282	2.8E+01	1.6E-06	1.0E-03	4.6E-08	1.6E-01	6.7E-01	4.8E-09	1.7E+00	1.7E-07	1.0E-03	3.0E-10	1.6E-01	6.7E-01	3.1E-11
283	2.2E+01	1.6E-06	1.0E-03	3.6E-08	1.6E-01	6.7E-01	3.8E-09	1.6E+00	1.7E-07	1.0E-03	2.9E-10	1.6E-01	6.7E-01	3.0E-11
284	1.8E+01	1.6E-06	1.0E-03	2.9E-08	1.6E-01	6.7E-01	3.1E-09	1.5E+00	1.7E-07	1.0E-03	2.8E-10	1.6E-01	6.7E-01	2.9E-11
285	1.5E+01	1.6E-06	1.0E-03	2.5E-08	1.6E-01	6.7E-01	2.6E-09	1.5E+00	1.7E-07	1.0E-03	2.6E-10	1.6E-01	6.7E-01	2.8E-11
286	1.3E+01	1.6E-06	1.0E-03	2.1E-08	1.6E-01	6.7E-01	2.2E-09	1.4E+00	1.7E-07	1.0E-03	2.5E-10	1.6E-01	6.7E-01	2.6E-11
287	1.1E+01	1.6E-06	1.0E-03	1.8E-08	1.6E-01	6.7E-01	1.9E-09	1.3E+00	1.7E-07	1.0E-03	2.4E-10	1.6E-01	6.7E-01	2.5E-11
288	9.3E+00	1.6E-06	1.0E-03	1.5E-08	1.6E-01	6.7E-01	1.6E-09	1.3E+00	1.7E-07	1.0E-03	2.3E-10	1.6E-01	6.7E-01	2.4E-11
289	8.2E+00	1.6E-06	1.0E-03	1.4E-08	1.6E-01	6.7E-01	1.4E-09	1.2E+00	1.7E-07	1.0E-03	2.2E-10	1.6E-01	6.7E-01	2.3E-11
290	7.2E+00	1.6E-06	1.0E-03	1.2E-08	1.6E-01	6.7E-01	1.3E-09	1.2E+00	1.7E-07	1.0E-03	2.1E-10	1.6E-01	6.7E-01	2.2E-11
291	6.4E+00	1.6E-06	1.0E-03	1.1E-08	1.6E-01	6.7E-01	1.1E-09	1.1E+00	1.7E-07	1.0E-03	2.0E-10	1.6E-01	6.7E-01	2.1E-11
292	5.7E+00	1.6E-06	1.0E-03	9.4E-09	1.6E-01	6.7E-01	9.9E-10	1.1E+00	1.7E-07	1.0E-03	1.9E-10	1.6E-01	6.7E-01	2.0E-11
293	5.1E+00	1.6E-06	1.0E-03	8.5E-09	1.6E-01	6.7E-01	8.9E-10	1.0E+00	1.7E-07	1.0E-03	1.8E-10	1.6E-01	6.7E-01	1.9E-11
294	4.6E+00	1.6E-06	1.0E-03	7.6E-09	1.6E-01	6.7E-01	8.0E-10	9.5E-01	1.7E-07	1.0E-03	1.7E-10	1.6E-01	6.7E-01	1.8E-11
295	4.2E+00	1.6E-06	1.0E-03	6.9E-09	1.6E-01	6.7E-01	7.2E-10	9.1E-01	1.7E-07	1.0E-03	1.6E-10	1.6E-01	6.7E-01	1.7E-11
296	3.8E+00	1.6E-06	1.0E-03	6.3E-09	1.6E-01	6.7E-01	6.6E-10	8.7E-01	1.7E-07	1.0E-03	1.5E-10	1.6E-01	6.7E-01	1.6E-11
297	3.5E+00	1.6E-06	1.0E-03	5.7E-09	1.6E-01	6.7E-01	6.0E-10	8.3E-01	1.7E-07	1.0E-03	1.5E-10	1.6E-01	6.7E-01	1.5E-11
298	3.2E+00	1.6E-06	1.0E-03	5.3E-09	1.6E-01	6.7E-01	5.5E-10	7.9E-01	1.7E-07	1.0E-03	1.4E-10	1.6E-01	6.7E-01	1.5E-11
299	1.6E+01	1.6E-06	1.0E-03	2.7E-08	1.6E-01	6.7E-01	2.8E-09	2.0E+00	1.7E-07	1.0E-03	3.6E-10	1.6E-01	6.7E-01	3.8E-11
300	2.2E+01	1.6E-06	1.0E-03	3.7E-08	1.6E-01	6.7E-01	3.9E-09	2.0E+00	1.7E-07	1.0E-03	3.6E-10	1.6E-01	6.7E-01	3.8E-11
301	3.2E+01	1.6E-06	1.0E-03	5.4E-08	1.6E-01	6.7E-01	5.7E-09	2.0E+00	1.7E-07	1.0E-03	3.5E-10	1.6E-01	6.7E-01	3.7E-11

Franklin School Project

Risk From Modernization Const - Mitigated Residential

	Haul Route 1A							Haul Route 2A						
Receptor #	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
302	2.9E+01	1.6E-06	1.0E-03	4.7E-08	1.6E-01	6.7E-01	5.0E-09	1.9E+00	1.7E-07	1.0E-03	3.4E-10	1.6E-01	6.7E-01	3.6E-11
303	2.0E+01	1.6E-06	1.0E-03	3.3E-08	1.6E-01	6.7E-01	3.5E-09	1.9E+00	1.7E-07	1.0E-03	3.3E-10	1.6E-01	6.7E-01	3.5E-11
304	2.2E+01	1.6E-06	1.0E-03	3.6E-08	1.6E-01	6.7E-01	3.8E-09	1.8E+00	1.7E-07	1.0E-03	3.2E-10	1.6E-01	6.7E-01	3.4E-11
305	2.0E+01	1.6E-06	1.0E-03	3.3E-08	1.6E-01	6.7E-01	3.5E-09	1.8E+00	1.7E-07	1.0E-03	3.1E-10	1.6E-01	6.7E-01	3.3E-11
306	3.0E+01	1.6E-06	1.0E-03	5.0E-08	1.6E-01	6.7E-01	5.3E-09	1.7E+00	1.7E-07	1.0E-03	3.0E-10	1.6E-01	6.7E-01	3.2E-11
307	3.5E+01	1.6E-06	1.0E-03	5.8E-08	1.6E-01	6.7E-01	6.1E-09	1.6E+00	1.7E-07	1.0E-03	2.9E-10	1.6E-01	6.7E-01	3.1E-11
308	2.6E+01	1.6E-06	1.0E-03	4.3E-08	1.6E-01	6.7E-01	4.5E-09	1.6E+00	1.7E-07	1.0E-03	2.8E-10	1.6E-01	6.7E-01	3.0E-11
309	2.0E+01	1.6E-06	1.0E-03	3.4E-08	1.6E-01	6.7E-01	3.5E-09	1.5E+00	1.7E-07	1.0E-03	2.7E-10	1.6E-01	6.7E-01	2.9E-11
310	1.7E+01	1.6E-06	1.0E-03	2.7E-08	1.6E-01	6.7E-01	2.9E-09	1.5E+00	1.7E-07	1.0E-03	2.6E-10	1.6E-01	6.7E-01	2.7E-11
311	1.4E+01	1.6E-06	1.0E-03	2.3E-08	1.6E-01	6.7E-01	2.4E-09	1.4E+00	1.7E-07	1.0E-03	2.5E-10	1.6E-01	6.7E-01	2.6E-11
312	1.2E+01	1.6E-06	1.0E-03	1.9E-08	1.6E-01	6.7E-01	2.0E-09	1.3E+00	1.7E-07	1.0E-03	2.4E-10	1.6E-01	6.7E-01	2.5E-11
313	1.0E+01	1.6E-06	1.0E-03	1.7E-08	1.6E-01	6.7E-01	1.8E-09	1.3E+00	1.7E-07	1.0E-03	2.3E-10	1.6E-01	6.7E-01	2.4E-11
314	8.8E+00	1.6E-06	1.0E-03	1.5E-08	1.6E-01	6.7E-01	1.5E-09	1.2E+00	1.7E-07	1.0E-03	2.2E-10	1.6E-01	6.7E-01	2.3E-11
315	7.7E+00	1.6E-06	1.0E-03	1.3E-08	1.6E-01	6.7E-01	1.3E-09	1.2E+00	1.7E-07	1.0E-03	2.1E-10	1.6E-01	6.7E-01	2.2E-11
316	6.8E+00	1.6E-06	1.0E-03	1.1E-08	1.6E-01	6.7E-01	1.2E-09	1.1E+00	1.7E-07	1.0E-03	2.0E-10	1.6E-01	6.7E-01	2.1E-11
317	6.0E+00	1.6E-06	1.0E-03	1.0E-08	1.6E-01	6.7E-01	1.1E-09	1.1E+00	1.7E-07	1.0E-03	1.9E-10	1.6E-01	6.7E-01	2.0E-11
318	5.4E+00	1.6E-06	1.0E-03	8.9E-09	1.6E-01	6.7E-01	9.4E-10	1.0E+00	1.7E-07	1.0E-03	1.8E-10	1.6E-01	6.7E-01	1.9E-11
319	4.8E+00	1.6E-06	1.0E-03	8.0E-09	1.6E-01	6.7E-01	8.4E-10	9.7E-01	1.7E-07	1.0E-03	1.7E-10	1.6E-01	6.7E-01	1.8E-11
320	4.4E+00	1.6E-06	1.0E-03	7.2E-09	1.6E-01	6.7E-01	7.6E-10	9.2E-01	1.7E-07	1.0E-03	1.6E-10	1.6E-01	6.7E-01	1.7E-11
321	4.0E+00	1.6E-06	1.0E-03	6.6E-09	1.6E-01	6.7E-01	6.9E-10	8.8E-01	1.7E-07	1.0E-03	1.6E-10	1.6E-01	6.7E-01	1.7E-11
322	3.6E+00	1.6E-06	1.0E-03	6.0E-09	1.6E-01	6.7E-01	6.3E-10	8.4E-01	1.7E-07	1.0E-03	1.5E-10	1.6E-01	6.7E-01	1.6E-11
323	3.3E+00	1.6E-06	1.0E-03	5.5E-09	1.6E-01	6.7E-01	5.8E-10	8.0E-01	1.7E-07	1.0E-03	1.4E-10	1.6E-01	6.7E-01	1.5E-11
324	3.0E+00	1.6E-06	1.0E-03	5.0E-09	1.6E-01	6.7E-01	5.3E-10	7.7E-01	1.7E-07	1.0E-03	1.4E-10	1.6E-01	6.7E-01	1.4E-11
325	1.5E+01	1.6E-06	1.0E-03	2.5E-08	1.6E-01	6.7E-01	2.6E-09	1.9E+00	1.7E-07	1.0E-03	3.4E-10	1.6E-01	6.7E-01	3.6E-11
326	2.1E+01	1.6E-06	1.0E-03	3.4E-08	1.6E-01	6.7E-01	3.6E-09	1.9E+00	1.7E-07	1.0E-03	3.3E-10	1.6E-01	6.7E-01	3.5E-11
327	3.0E+01	1.6E-06	1.0E-03	5.0E-08	1.6E-01	6.7E-01	5.2E-09	1.8E+00	1.7E-07	1.0E-03	3.3E-10	1.6E-01	6.7E-01	3.4E-11
328	1.2E+01	1.6E-06	1.0E-03	2.0E-08	1.6E-01	6.7E-01	2.1E-09	1.8E+00	1.7E-07	1.0E-03	3.2E-10	1.6E-01	6.7E-01	3.4E-11
329	1.3E+01	1.6E-06	1.0E-03	2.2E-08	1.6E-01	6.7E-01	2.3E-09	1.7E+00	1.7E-07	1.0E-03	3.1E-10	1.6E-01	6.7E-01	3.3E-11
330	1.4E+01	1.6E-06	1.0E-03	2.3E-08	1.6E-01	6.7E-01	2.4E-09	1.7E+00	1.7E-07	1.0E-03	3.0E-10	1.6E-01	6.7E-01	3.2E-11
331	1.3E+01	1.6E-06	1.0E-03	2.2E-08	1.6E-01	6.7E-01	2.3E-09	1.7E+00	1.7E-07	1.0E-03	2.9E-10	1.6E-01	6.7E-01	3.1E-11
332	1.2E+01	1.6E-06	1.0E-03	2.0E-08	1.6E-01	6.7E-01	2.1E-09	1.6E+00	1.7E-07	1.0E-03	2.9E-10	1.6E-01	6.7E-01	3.0E-11
333	3.2E+01	1.6E-06	1.0E-03	5.3E-08	1.6E-01	6.7E-01	5.6E-09	1.6E+00	1.7E-07	1.0E-03	2.8E-10	1.6E-01	6.7E-01	2.9E-11
334	2.4E+01	1.6E-06	1.0E-03	3.9E-08	1.6E-01	6.7E-01	4.1E-09	1.5E+00	1.7E-07	1.0E-03	2.7E-10	1.6E-01	6.7E-01	2.8E-11
335	1.8E+01	1.6E-06	1.0E-03	3.1E-08	1.6E-01	6.7E-01	3.2E-09	1.4E+00	1.7E-07	1.0E-03	2.6E-10	1.6E-01	6.7E-01	2.7E-11
336	1.5E+01	1.6E-06	1.0E-03	2.5E-08	1.6E-01	6.7E-01	2.6E-09	1.4E+00	1.7E-07	1.0E-03	2.5E-10	1.6E-01	6.7E-01	2.6E-11
337	1.3E+01	1.6E-06	1.0E-03	2.1E-08	1.6E-01	6.7E-01	2.2E-09	1.3E+00	1.7E-07	1.0E-03	2.4E-10	1.6E-01	6.7E-01	2.5E-11
338	1.1E+01	1.6E-06	1.0E-03	1.8E-08	1.6E-01	6.7E-01	1.9E-09	1.3E+00	1.7E-07	1.0E-03	2.3E-10	1.6E-01	6.7E-01	2.4E-11
339	9.3E+00	1.6E-06	1.0E-03	1.5E-08	1.6E-01	6.7E-01	1.6E-09	1.2E+00	1.7E-07	1.0E-03	2.2E-10	1.6E-01	6.7E-01	2.3E-11
340	8.2E+00	1.6E-06	1.0E-03	1.4E-08	1.6E-01	6.7E-01	1.4E-09	1.2E+00	1.7E-07	1.0E-03	2.1E-10	1.6E-01	6.7E-01	2.2E-11
341	7.2E+00	1.6E-06	1.0E-03	1.2E-08	1.6E-01	6.7E-01	1.3E-09	1.1E+00	1.7E-07	1.0E-03	2.0E-10	1.6E-01	6.7E-01	2.1E-11
342	6.4E+00	1.6E-06	1.0E-03	1.1E-08	1.6E-01	6.7E-01	1.1E-09	1.1E+00	1.7E-07	1.0E-03	1.9E-10	1.6E-01	6.7E-01	2.0E-11
343	5.7E+00	1.6E-06	1.0E-03	9.4E-09	1.6E-01	6.7E-01	9.9E-10	1.0E+00	1.7E-07	1.0E-03	1.8E-10	1.6E-01	6.7E-01	1.9E-11
344	5.1E+00	1.6E-06	1.0E-03	8.4E-09	1.6E-01	6.7E-01	8.9E-10	9.8E-01	1.7E-07	1.0E-03	1.8E-10	1.6E-01	6.7E-01	1.8E-11

Franklin School Project

Risk From Modernization Const - Mitigated Residential

	Haul Route 1A							Haul Route 2A						
Receptor #	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
345	4.6E+00	1.6E-06	1.0E-03	7.6E-09	1.6E-01	6.7E-01	8.0E-10	9.4E-01	1.7E-07	1.0E-03	1.7E-10	1.6E-01	6.7E-01	1.8E-11
346	4.1E+00	1.6E-06	1.0E-03	6.9E-09	1.6E-01	6.7E-01	7.2E-10	9.0E-01	1.7E-07	1.0E-03	1.6E-10	1.6E-01	6.7E-01	1.7E-11
347	3.8E+00	1.6E-06	1.0E-03	6.3E-09	1.6E-01	6.7E-01	6.6E-10	8.6E-01	1.7E-07	1.0E-03	1.5E-10	1.6E-01	6.7E-01	1.6E-11
348	3.5E+00	1.6E-06	1.0E-03	5.7E-09	1.6E-01	6.7E-01	6.0E-10	8.2E-01	1.7E-07	1.0E-03	1.5E-10	1.6E-01	6.7E-01	1.5E-11
349	3.2E+00	1.6E-06	1.0E-03	5.2E-09	1.6E-01	6.7E-01	5.5E-10	7.8E-01	1.7E-07	1.0E-03	1.4E-10	1.6E-01	6.7E-01	1.5E-11
350	2.9E+00	1.6E-06	1.0E-03	4.8E-09	1.6E-01	6.7E-01	5.1E-10	7.5E-01	1.7E-07	1.0E-03	1.3E-10	1.6E-01	6.7E-01	1.4E-11
351	1.4E+01	1.6E-06	1.0E-03	2.3E-08	1.6E-01	6.7E-01	2.4E-09	1.8E+00	1.7E-07	1.0E-03	3.2E-10	1.6E-01	6.7E-01	3.3E-11
352	1.9E+01	1.6E-06	1.0E-03	3.1E-08	1.6E-01	6.7E-01	3.2E-09	1.8E+00	1.7E-07	1.0E-03	3.1E-10	1.6E-01	6.7E-01	3.3E-11
353	2.7E+01	1.6E-06	1.0E-03	4.4E-08	1.6E-01	6.7E-01	4.7E-09	1.7E+00	1.7E-07	1.0E-03	3.1E-10	1.6E-01	6.7E-01	3.2E-11
354	2.0E+01	1.6E-06	1.0E-03	3.3E-08	1.6E-01	6.7E-01	3.5E-09	1.7E+00	1.7E-07	1.0E-03	3.0E-10	1.6E-01	6.7E-01	3.1E-11
355	9.6E+00	1.6E-06	1.0E-03	1.6E-08	1.6E-01	6.7E-01	1.7E-09	1.6E+00	1.7E-07	1.0E-03	2.9E-10	1.6E-01	6.7E-01	3.1E-11
356	1.0E+01	1.6E-06	1.0E-03	1.7E-08	1.6E-01	6.7E-01	1.7E-09	1.6E+00	1.7E-07	1.0E-03	2.9E-10	1.6E-01	6.7E-01	3.0E-11
357	9.8E+00	1.6E-06	1.0E-03	1.6E-08	1.6E-01	6.7E-01	1.7E-09	1.6E+00	1.7E-07	1.0E-03	2.8E-10	1.6E-01	6.7E-01	2.9E-11
358	2.0E+01	1.6E-06	1.0E-03	3.3E-08	1.6E-01	6.7E-01	3.5E-09	1.5E+00	1.7E-07	1.0E-03	2.7E-10	1.6E-01	6.7E-01	2.8E-11
359	2.8E+01	1.6E-06	1.0E-03	4.7E-08	1.6E-01	6.7E-01	4.9E-09	1.5E+00	1.7E-07	1.0E-03	2.6E-10	1.6E-01	6.7E-01	2.7E-11
360	2.1E+01	1.6E-06	1.0E-03	3.4E-08	1.6E-01	6.7E-01	3.6E-09	1.4E+00	1.7E-07	1.0E-03	2.5E-10	1.6E-01	6.7E-01	2.7E-11
361	1.6E+01	1.6E-06	1.0E-03	2.7E-08	1.6E-01	6.7E-01	2.9E-09	1.4E+00	1.7E-07	1.0E-03	2.4E-10	1.6E-01	6.7E-01	2.6E-11
362	1.4E+01	1.6E-06	1.0E-03	2.3E-08	1.6E-01	6.7E-01	2.4E-09	1.3E+00	1.7E-07	1.0E-03	2.4E-10	1.6E-01	6.7E-01	2.5E-11
363	1.1E+01	1.6E-06	1.0E-03	1.9E-08	1.6E-01	6.7E-01	2.0E-09	1.3E+00	1.7E-07	1.0E-03	2.3E-10	1.6E-01	6.7E-01	2.4E-11
364	9.9E+00	1.6E-06	1.0E-03	1.6E-08	1.6E-01	6.7E-01	1.7E-09	1.2E+00	1.7E-07	1.0E-03	2.2E-10	1.6E-01	6.7E-01	2.3E-11
365	8.6E+00	1.6E-06	1.0E-03	1.4E-08	1.6E-01	6.7E-01	1.5E-09	1.2E+00	1.7E-07	1.0E-03	2.1E-10	1.6E-01	6.7E-01	2.2E-11
366	7.5E+00	1.6E-06	1.0E-03	1.3E-08	1.6E-01	6.7E-01	1.3E-09	1.1E+00	1.7E-07	1.0E-03	2.0E-10	1.6E-01	6.7E-01	2.1E-11
367	6.7E+00	1.6E-06	1.0E-03	1.1E-08	1.6E-01	6.7E-01	1.2E-09	1.1E+00	1.7E-07	1.0E-03	1.9E-10	1.6E-01	6.7E-01	2.0E-11
368	5.9E+00	1.6E-06	1.0E-03	9.9E-09	1.6E-01	6.7E-01	1.0E-09	1.0E+00	1.7E-07	1.0E-03	1.8E-10	1.6E-01	6.7E-01	1.9E-11
369	5.3E+00	1.6E-06	1.0E-03	8.8E-09	1.6E-01	6.7E-01	9.3E-10	9.9E-01	1.7E-07	1.0E-03	1.8E-10	1.6E-01	6.7E-01	1.9E-11
370	4.8E+00	1.6E-06	1.0E-03	7.9E-09	1.6E-01	6.7E-01	8.3E-10	9.5E-01	1.7E-07	1.0E-03	1.7E-10	1.6E-01	6.7E-01	1.8E-11
371	4.3E+00	1.6E-06	1.0E-03	7.2E-09	1.6E-01	6.7E-01	7.5E-10	9.1E-01	1.7E-07	1.0E-03	1.6E-10	1.6E-01	6.7E-01	1.7E-11
372	3.9E+00	1.6E-06	1.0E-03	6.5E-09	1.6E-01	6.7E-01	6.8E-10	8.7E-01	1.7E-07	1.0E-03	1.5E-10	1.6E-01	6.7E-01	1.6E-11
373	3.6E+00	1.6E-06	1.0E-03	5.9E-09	1.6E-01	6.7E-01	6.2E-10	8.3E-01	1.7E-07	1.0E-03	1.5E-10	1.6E-01	6.7E-01	1.6E-11
374	3.3E+00	1.6E-06	1.0E-03	5.4E-09	1.6E-01	6.7E-01	5.7E-10	7.9E-01	1.7E-07	1.0E-03	1.4E-10	1.6E-01	6.7E-01	1.5E-11
375	3.0E+00	1.6E-06	1.0E-03	5.0E-09	1.6E-01	6.7E-01	5.3E-10	7.6E-01	1.7E-07	1.0E-03	1.4E-10	1.6E-01	6.7E-01	1.4E-11
376	2.8E+00	1.6E-06	1.0E-03	4.6E-09	1.6E-01	6.7E-01	4.8E-10	7.3E-01	1.7E-07	1.0E-03	1.3E-10	1.6E-01	6.7E-01	1.4E-11
377	1.2E+01	1.6E-06	1.0E-03	2.0E-08	1.6E-01	6.7E-01	2.1E-09	1.7E+00	1.7E-07	1.0E-03	3.0E-10	1.6E-01	6.7E-01	3.1E-11
378	1.6E+01	1.6E-06	1.0E-03	2.6E-08	1.6E-01	6.7E-01	2.8E-09	1.6E+00	1.7E-07	1.0E-03	2.9E-10	1.6E-01	6.7E-01	3.1E-11
379	2.2E+01	1.6E-06	1.0E-03	3.7E-08	1.6E-01	6.7E-01	3.9E-09	1.6E+00	1.7E-07	1.0E-03	2.9E-10	1.6E-01	6.7E-01	3.0E-11
380	1.4E+01	1.6E-06	1.0E-03	2.3E-08	1.6E-01	6.7E-01	2.4E-09	1.6E+00	1.7E-07	1.0E-03	2.8E-10	1.6E-01	6.7E-01	3.0E-11
381	1.6E+01	1.6E-06	1.0E-03	2.7E-08	1.6E-01	6.7E-01	2.8E-09	1.5E+00	1.7E-07	1.0E-03	2.8E-10	1.6E-01	6.7E-01	2.9E-11
382	6.2E+00	1.6E-06	1.0E-03	1.0E-08	1.6E-01	6.7E-01	1.1E-09	1.0E+00	1.7E-07	1.0E-03	1.8E-10	1.6E-01	6.7E-01	1.9E-11
383	5.5E+00	1.6E-06	1.0E-03	9.2E-09	1.6E-01	6.7E-01	9.6E-10	1.0E+00	1.7E-07	1.0E-03	1.8E-10	1.6E-01	6.7E-01	1.9E-11
384	5.0E+00	1.6E-06	1.0E-03	8.2E-09	1.6E-01	6.7E-01	8.7E-10	9.5E-01	1.7E-07	1.0E-03	1.7E-10	1.6E-01	6.7E-01	1.8E-11
385	4.5E+00	1.6E-06	1.0E-03	7.4E-09	1.6E-01	6.7E-01	7.8E-10	9.2E-01	1.7E-07	1.0E-03	1.6E-10	1.6E-01	6.7E-01	1.7E-11
386	4.1E+00	1.6E-06	1.0E-03	6.8E-09	1.6E-01	6.7E-01	7.1E-10	8.8E-01	1.7E-07	1.0E-03	1.6E-10	1.6E-01	6.7E-01	1.6E-11
387	3.7E+00	1.6E-06	1.0E-03	6.2E-09	1.6E-01	6.7E-01	6.5E-10	8.4E-01	1.7E-07	1.0E-03	1.5E-10	1.6E-01	6.7E-01	1.6E-11

Franklin School Project

Risk From Modernization Const - Mitigated Residential

	Haul Route 1A							Haul Route 2A						
Receptor #	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
388	3.4E+00	1.6E-06	1.0E-03	5.6E-09	1.6E-01	6.7E-01	5.9E-10	8.1E-01	1.7E-07	1.0E-03	1.4E-10	1.6E-01	6.7E-01	1.5E-11
389	3.1E+00	1.6E-06	1.0E-03	5.2E-09	1.6E-01	6.7E-01	5.4E-10	7.7E-01	1.7E-07	1.0E-03	1.4E-10	1.6E-01	6.7E-01	1.4E-11
390	2.9E+00	1.6E-06	1.0E-03	4.8E-09	1.6E-01	6.7E-01	5.0E-10	7.4E-01	1.7E-07	1.0E-03	1.3E-10	1.6E-01	6.7E-01	1.4E-11
391	2.7E+00	1.6E-06	1.0E-03	4.4E-09	1.6E-01	6.7E-01	4.6E-10	7.1E-01	1.7E-07	1.0E-03	1.3E-10	1.6E-01	6.7E-01	1.3E-11
392	1.0E+01	1.6E-06	1.0E-03	1.7E-08	1.6E-01	6.7E-01	1.8E-09	1.6E+00	1.7E-07	1.0E-03	2.8E-10	1.6E-01	6.7E-01	2.9E-11
393	1.3E+01	1.6E-06	1.0E-03	2.2E-08	1.6E-01	6.7E-01	2.3E-09	1.5E+00	1.7E-07	1.0E-03	2.8E-10	1.6E-01	6.7E-01	2.9E-11
394	1.7E+01	1.6E-06	1.0E-03	2.9E-08	1.6E-01	6.7E-01	3.0E-09	1.5E+00	1.7E-07	1.0E-03	2.7E-10	1.6E-01	6.7E-01	2.8E-11
395	2.4E+01	1.6E-06	1.0E-03	4.0E-08	1.6E-01	6.7E-01	4.2E-09	1.5E+00	1.7E-07	1.0E-03	2.7E-10	1.6E-01	6.7E-01	2.8E-11
396	1.1E+01	1.6E-06	1.0E-03	1.9E-08	1.6E-01	6.7E-01	2.0E-09	1.5E+00	1.7E-07	1.0E-03	2.6E-10	1.6E-01	6.7E-01	2.7E-11
397	5.7E+00	1.6E-06	1.0E-03	9.4E-09	1.6E-01	6.7E-01	9.9E-10	1.0E+00	1.7E-07	1.0E-03	1.8E-10	1.6E-01	6.7E-01	1.9E-11
398	5.1E+00	1.6E-06	1.0E-03	8.5E-09	1.6E-01	6.7E-01	8.9E-10	9.6E-01	1.7E-07	1.0E-03	1.7E-10	1.6E-01	6.7E-01	1.8E-11
399	4.6E+00	1.6E-06	1.0E-03	7.7E-09	1.6E-01	6.7E-01	8.1E-10	9.2E-01	1.7E-07	1.0E-03	1.6E-10	1.6E-01	6.7E-01	1.7E-11
400	4.2E+00	1.6E-06	1.0E-03	7.0E-09	1.6E-01	6.7E-01	7.3E-10	8.8E-01	1.7E-07	1.0E-03	1.6E-10	1.6E-01	6.7E-01	1.7E-11
401	3.8E+00	1.6E-06	1.0E-03	6.4E-09	1.6E-01	6.7E-01	6.7E-10	8.5E-01	1.7E-07	1.0E-03	1.5E-10	1.6E-01	6.7E-01	1.6E-11
402	3.5E+00	1.6E-06	1.0E-03	5.8E-09	1.6E-01	6.7E-01	6.1E-10	8.1E-01	1.7E-07	1.0E-03	1.5E-10	1.6E-01	6.7E-01	1.5E-11
403	3.2E+00	1.6E-06	1.0E-03	5.3E-09	1.6E-01	6.7E-01	5.6E-10	7.8E-01	1.7E-07	1.0E-03	1.4E-10	1.6E-01	6.7E-01	1.5E-11
404	3.0E+00	1.6E-06	1.0E-03	4.9E-09	1.6E-01	6.7E-01	5.2E-10	7.5E-01	1.7E-07	1.0E-03	1.3E-10	1.6E-01	6.7E-01	1.4E-11
405	2.7E+00	1.6E-06	1.0E-03	4.5E-09	1.6E-01	6.7E-01	4.8E-10	7.2E-01	1.7E-07	1.0E-03	1.3E-10	1.6E-01	6.7E-01	1.3E-11
406	2.5E+00	1.6E-06	1.0E-03	4.2E-09	1.6E-01	6.7E-01	4.4E-10	6.9E-01	1.7E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.3E-11
407	8.7E+00	1.6E-06	1.0E-03	1.4E-08	1.6E-01	6.7E-01	1.5E-09	1.5E+00	1.7E-07	1.0E-03	2.6E-10	1.6E-01	6.7E-01	2.8E-11
408	1.1E+01	1.6E-06	1.0E-03	1.8E-08	1.6E-01	6.7E-01	1.9E-09	1.5E+00	1.7E-07	1.0E-03	2.6E-10	1.6E-01	6.7E-01	2.7E-11
409	1.3E+01	1.6E-06	1.0E-03	2.2E-08	1.6E-01	6.7E-01	2.3E-09	1.4E+00	1.7E-07	1.0E-03	2.6E-10	1.6E-01	6.7E-01	2.7E-11
410	1.6E+01	1.6E-06	1.0E-03	2.7E-08	1.6E-01	6.7E-01	2.9E-09	1.4E+00	1.7E-07	1.0E-03	2.5E-10	1.6E-01	6.7E-01	2.6E-11
411	2.0E+01	1.6E-06	1.0E-03	3.2E-08	1.6E-01	6.7E-01	3.4E-09	1.4E+00	1.7E-07	1.0E-03	2.5E-10	1.6E-01	6.7E-01	2.6E-11
412	5.2E+00	1.6E-06	1.0E-03	8.7E-09	1.6E-01	6.7E-01	9.1E-10	9.6E-01	1.7E-07	1.0E-03	1.7E-10	1.6E-01	6.7E-01	1.8E-11
413	4.7E+00	1.6E-06	1.0E-03	7.9E-09	1.6E-01	6.7E-01	8.3E-10	9.2E-01	1.7E-07	1.0E-03	1.6E-10	1.6E-01	6.7E-01	1.7E-11
414	4.3E+00	1.6E-06	1.0E-03	7.1E-09	1.6E-01	6.7E-01	7.5E-10	8.9E-01	1.7E-07	1.0E-03	1.6E-10	1.6E-01	6.7E-01	1.7E-11
415	3.9E+00	1.6E-06	1.0E-03	6.5E-09	1.6E-01	6.7E-01	6.9E-10	8.5E-01	1.7E-07	1.0E-03	1.5E-10	1.6E-01	6.7E-01	1.6E-11
416	3.6E+00	1.6E-06	1.0E-03	6.0E-09	1.6E-01	6.7E-01	6.3E-10	8.2E-01	1.7E-07	1.0E-03	1.5E-10	1.6E-01	6.7E-01	1.5E-11
417	3.3E+00	1.6E-06	1.0E-03	5.5E-09	1.6E-01	6.7E-01	5.8E-10	7.9E-01	1.7E-07	1.0E-03	1.4E-10	1.6E-01	6.7E-01	1.5E-11
418	3.0E+00	1.6E-06	1.0E-03	5.1E-09	1.6E-01	6.7E-01	5.3E-10	7.6E-01	1.7E-07	1.0E-03	1.4E-10	1.6E-01	6.7E-01	1.4E-11
419	2.8E+00	1.6E-06	1.0E-03	4.7E-09	1.6E-01	6.7E-01	4.9E-10	7.3E-01	1.7E-07	1.0E-03	1.3E-10	1.6E-01	6.7E-01	1.4E-11
420	2.6E+00	1.6E-06	1.0E-03	4.3E-09	1.6E-01	6.7E-01	4.5E-10	7.0E-01	1.7E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.3E-11
421	2.4E+00	1.6E-06	1.0E-03	4.0E-09	1.6E-01	6.7E-01	4.2E-10	6.7E-01	1.7E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.3E-11
422	7.4E+00	1.6E-06	1.0E-03	1.2E-08	1.6E-01	6.7E-01	1.3E-09	1.4E+00	1.7E-07	1.0E-03	2.5E-10	1.6E-01	6.7E-01	2.6E-11
423	8.6E+00	1.6E-06	1.0E-03	1.4E-08	1.6E-01	6.7E-01	1.5E-09	1.4E+00	1.7E-07	1.0E-03	2.5E-10	1.6E-01	6.7E-01	2.6E-11
424	1.0E+01	1.6E-06	1.0E-03	1.7E-08	1.6E-01	6.7E-01	1.8E-09	1.4E+00	1.7E-07	1.0E-03	2.4E-10	1.6E-01	6.7E-01	2.5E-11
425	1.2E+01	1.6E-06	1.0E-03	2.0E-08	1.6E-01	6.7E-01	2.1E-09	1.3E+00	1.7E-07	1.0E-03	2.4E-10	1.6E-01	6.7E-01	2.5E-11
426	1.3E+01	1.6E-06	1.0E-03	2.2E-08	1.6E-01	6.7E-01	2.3E-09	1.3E+00	1.7E-07	1.0E-03	2.3E-10	1.6E-01	6.7E-01	2.4E-11
427	4.8E+00	1.6E-06	1.0E-03	7.9E-09	1.6E-01	6.7E-01	8.3E-10	9.2E-01	1.7E-07	1.0E-03	1.6E-10	1.6E-01	6.7E-01	1.7E-11
428	4.4E+00	1.6E-06	1.0E-03	7.3E-09	1.6E-01	6.7E-01	7.6E-10	8.9E-01	1.7E-07	1.0E-03	1.6E-10	1.6E-01	6.7E-01	1.7E-11
429	4.0E+00	1.6E-06	1.0E-03	6.6E-09	1.6E-01	6.7E-01	7.0E-10	8.6E-01	1.7E-07	1.0E-03	1.5E-10	1.6E-01	6.7E-01	1.6E-11
430	3.7E+00	1.6E-06	1.0E-03	6.1E-09	1.6E-01	6.7E-01	6.4E-10	8.3E-01	1.7E-07	1.0E-03	1.5E-10	1.6E-01	6.7E-01	1.5E-11

Franklin School Project

Risk From Modernization Const - Mitigated Residential

	Haul Route 1A							Haul Route 2A						
Receptor #	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
431	3.4E+00	1.6E-06	1.0E-03	5.6E-09	1.6E-01	6.7E-01	5.9E-10	8.0E-01	1.7E-07	1.0E-03	1.4E-10	1.6E-01	6.7E-01	1.5E-11
432	3.1E+00	1.6E-06	1.0E-03	5.2E-09	1.6E-01	6.7E-01	5.4E-10	7.7E-01	1.7E-07	1.0E-03	1.4E-10	1.6E-01	6.7E-01	1.4E-11
433	2.9E+00	1.6E-06	1.0E-03	4.8E-09	1.6E-01	6.7E-01	5.0E-10	7.4E-01	1.7E-07	1.0E-03	1.3E-10	1.6E-01	6.7E-01	1.4E-11
434	2.7E+00	1.6E-06	1.0E-03	4.4E-09	1.6E-01	6.7E-01	4.6E-10	7.1E-01	1.7E-07	1.0E-03	1.3E-10	1.6E-01	6.7E-01	1.3E-11
435	2.5E+00	1.6E-06	1.0E-03	4.1E-09	1.6E-01	6.7E-01	4.3E-10	6.8E-01	1.7E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.3E-11
436	2.3E+00	1.6E-06	1.0E-03	3.8E-09	1.6E-01	6.7E-01	4.0E-10	6.6E-01	1.7E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.2E-11
437	6.2E+00	1.6E-06	1.0E-03	1.0E-08	1.6E-01	6.7E-01	1.1E-09	1.3E+00	1.7E-07	1.0E-03	2.4E-10	1.6E-01	6.7E-01	2.5E-11
438	7.0E+00	1.6E-06	1.0E-03	1.2E-08	1.6E-01	6.7E-01	1.2E-09	1.3E+00	1.7E-07	1.0E-03	2.3E-10	1.6E-01	6.7E-01	2.4E-11
439	8.0E+00	1.6E-06	1.0E-03	1.3E-08	1.6E-01	6.7E-01	1.4E-09	1.3E+00	1.7E-07	1.0E-03	2.3E-10	1.6E-01	6.7E-01	2.4E-11
440	8.9E+00	1.6E-06	1.0E-03	1.5E-08	1.6E-01	6.7E-01	1.6E-09	1.3E+00	1.7E-07	1.0E-03	2.2E-10	1.6E-01	6.7E-01	2.4E-11
441	9.7E+00	1.6E-06	1.0E-03	1.6E-08	1.6E-01	6.7E-01	1.7E-09	1.2E+00	1.7E-07	1.0E-03	2.2E-10	1.6E-01	6.7E-01	2.3E-11
442	4.4E+00	1.6E-06	1.0E-03	7.3E-09	1.6E-01	6.7E-01	7.6E-10	8.9E-01	1.7E-07	1.0E-03	1.6E-10	1.6E-01	6.7E-01	1.7E-11
443	4.0E+00	1.6E-06	1.0E-03	6.7E-09	1.6E-01	6.7E-01	7.0E-10	8.6E-01	1.7E-07	1.0E-03	1.5E-10	1.6E-01	6.7E-01	1.6E-11
444	3.7E+00	1.6E-06	1.0E-03	6.2E-09	1.6E-01	6.7E-01	6.5E-10	8.3E-01	1.7E-07	1.0E-03	1.5E-10	1.6E-01	6.7E-01	1.6E-11
445	3.4E+00	1.6E-06	1.0E-03	5.7E-09	1.6E-01	6.7E-01	6.0E-10	8.0E-01	1.7E-07	1.0E-03	1.4E-10	1.6E-01	6.7E-01	1.5E-11
446	3.2E+00	1.6E-06	1.0E-03	5.3E-09	1.6E-01	6.7E-01	5.5E-10	7.7E-01	1.7E-07	1.0E-03	1.4E-10	1.6E-01	6.7E-01	1.4E-11
447	2.9E+00	1.6E-06	1.0E-03	4.9E-09	1.6E-01	6.7E-01	5.1E-10	7.4E-01	1.7E-07	1.0E-03	1.3E-10	1.6E-01	6.7E-01	1.4E-11
448	2.7E+00	1.6E-06	1.0E-03	4.5E-09	1.6E-01	6.7E-01	4.8E-10	7.2E-01	1.7E-07	1.0E-03	1.3E-10	1.6E-01	6.7E-01	1.3E-11
449	2.5E+00	1.6E-06	1.0E-03	4.2E-09	1.6E-01	6.7E-01	4.4E-10	6.9E-01	1.7E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.3E-11
450	2.4E+00	1.6E-06	1.0E-03	3.9E-09	1.6E-01	6.7E-01	4.1E-10	6.6E-01	1.7E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.2E-11
451	2.2E+00	1.6E-06	1.0E-03	3.6E-09	1.6E-01	6.7E-01	3.8E-10	6.4E-01	1.7E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.2E-11
452	5.2E+00	1.6E-06	1.0E-03	8.7E-09	1.6E-01	6.7E-01	9.1E-10	1.2E+00	1.7E-07	1.0E-03	2.2E-10	1.6E-01	6.7E-01	2.3E-11
453	5.9E+00	1.6E-06	1.0E-03	9.7E-09	1.6E-01	6.7E-01	1.0E-09	1.2E+00	1.7E-07	1.0E-03	2.2E-10	1.6E-01	6.7E-01	2.3E-11
454	6.5E+00	1.6E-06	1.0E-03	1.1E-08	1.6E-01	6.7E-01	1.1E-09	1.2E+00	1.7E-07	1.0E-03	2.2E-10	1.6E-01	6.7E-01	2.3E-11
455	7.1E+00	1.6E-06	1.0E-03	1.2E-08	1.6E-01	6.7E-01	1.2E-09	1.2E+00	1.7E-07	1.0E-03	2.1E-10	1.6E-01	6.7E-01	2.2E-11
456	7.6E+00	1.6E-06	1.0E-03	1.3E-08	1.6E-01	6.7E-01	1.3E-09	1.2E+00	1.7E-07	1.0E-03	2.1E-10	1.6E-01	6.7E-01	2.2E-11
457	4.0E+00	1.6E-06	1.0E-03	6.7E-09	1.6E-01	6.7E-01	7.0E-10	8.5E-01	1.7E-07	1.0E-03	1.5E-10	1.6E-01	6.7E-01	1.6E-11
458	3.7E+00	1.6E-06	1.0E-03	6.2E-09	1.6E-01	6.7E-01	6.5E-10	8.3E-01	1.7E-07	1.0E-03	1.5E-10	1.6E-01	6.7E-01	1.5E-11
459	3.5E+00	1.6E-06	1.0E-03	5.7E-09	1.6E-01	6.7E-01	6.0E-10	8.0E-01	1.7E-07	1.0E-03	1.4E-10	1.6E-01	6.7E-01	1.5E-11
460	3.2E+00	1.6E-06	1.0E-03	5.3E-09	1.6E-01	6.7E-01	5.6E-10	7.7E-01	1.7E-07	1.0E-03	1.4E-10	1.6E-01	6.7E-01	1.4E-11
461	3.0E+00	1.6E-06	1.0E-03	4.9E-09	1.6E-01	6.7E-01	5.2E-10	7.5E-01	1.7E-07	1.0E-03	1.3E-10	1.6E-01	6.7E-01	1.4E-11
462	2.8E+00	1.6E-06	1.0E-03	4.6E-09	1.6E-01	6.7E-01	4.8E-10	7.2E-01	1.7E-07	1.0E-03	1.3E-10	1.6E-01	6.7E-01	1.3E-11
463	2.6E+00	1.6E-06	1.0E-03	4.3E-09	1.6E-01	6.7E-01	4.5E-10	7.0E-01	1.7E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.3E-11
464	2.4E+00	1.6E-06	1.0E-03	4.0E-09	1.6E-01	6.7E-01	4.2E-10	6.7E-01	1.7E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.3E-11
465	2.2E+00	1.6E-06	1.0E-03	3.7E-09	1.6E-01	6.7E-01	3.9E-10	6.5E-01	1.7E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.2E-11
466	2.1E+00	1.6E-06	1.0E-03	3.5E-09	1.6E-01	6.7E-01	3.7E-10	6.2E-01	1.7E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.2E-11
467	4.5E+00	1.6E-06	1.0E-03	7.5E-09	1.6E-01	6.7E-01	7.8E-10	1.2E+00	1.7E-07	1.0E-03	2.1E-10	1.6E-01	6.7E-01	2.2E-11
468	4.9E+00	1.6E-06	1.0E-03	8.2E-09	1.6E-01	6.7E-01	8.6E-10	1.2E+00	1.7E-07	1.0E-03	2.1E-10	1.6E-01	6.7E-01	2.2E-11
469	5.4E+00	1.6E-06	1.0E-03	8.9E-09	1.6E-01	6.7E-01	9.4E-10	1.2E+00	1.7E-07	1.0E-03	2.1E-10	1.6E-01	6.7E-01	2.2E-11
470	5.8E+00	1.6E-06	1.0E-03	9.7E-09	1.6E-01	6.7E-01	1.0E-09	1.1E+00	1.7E-07	1.0E-03	2.0E-10	1.6E-01	6.7E-01	2.1E-11
471	6.2E+00	1.6E-06	1.0E-03	1.0E-08	1.6E-01	6.7E-01	1.1E-09	1.1E+00	1.7E-07	1.0E-03	2.0E-10	1.6E-01	6.7E-01	2.1E-11
472	3.7E+00	1.6E-06	1.0E-03	6.1E-09	1.6E-01	6.7E-01	6.4E-10	8.2E-01	1.7E-07	1.0E-03	1.5E-10	1.6E-01	6.7E-01	1.5E-11
473	3.5E+00	1.6E-06	1.0E-03	5.7E-09	1.6E-01	6.7E-01	6.0E-10	8.0E-01	1.7E-07	1.0E-03	1.4E-10	1.6E-01	6.7E-01	1.5E-11

Franklin School Project

Risk From Modernization Const - Mitigated Residential

	Haul Route 1A							Haul Route 2A						
Receptor #	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
474	3.2E+00	1.6E-06	1.0E-03	5.3E-09	1.6E-01	6.7E-01	5.6E-10	7.7E-01	1.7E-07	1.0E-03	1.4E-10	1.6E-01	6.7E-01	1.4E-11
475	3.0E+00	1.6E-06	1.0E-03	5.0E-09	1.6E-01	6.7E-01	5.2E-10	7.5E-01	1.7E-07	1.0E-03	1.3E-10	1.6E-01	6.7E-01	1.4E-11
476	2.8E+00	1.6E-06	1.0E-03	4.6E-09	1.6E-01	6.7E-01	4.9E-10	7.2E-01	1.7E-07	1.0E-03	1.3E-10	1.6E-01	6.7E-01	1.4E-11
477	2.6E+00	1.6E-06	1.0E-03	4.3E-09	1.6E-01	6.7E-01	4.6E-10	7.0E-01	1.7E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.3E-11
478	2.4E+00	1.6E-06	1.0E-03	4.1E-09	1.6E-01	6.7E-01	4.3E-10	6.8E-01	1.7E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.3E-11
479	2.3E+00	1.6E-06	1.0E-03	3.8E-09	1.6E-01	6.7E-01	4.0E-10	6.5E-01	1.7E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.2E-11
480	2.1E+00	1.6E-06	1.0E-03	3.6E-09	1.6E-01	6.7E-01	3.7E-10	6.3E-01	1.7E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.2E-11
481	2.0E+00	1.6E-06	1.0E-03	3.3E-09	1.6E-01	6.7E-01	3.5E-10	6.1E-01	1.7E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.1E-11
482	3.9E+00	1.6E-06	1.0E-03	6.5E-09	1.6E-01	6.7E-01	6.8E-10	1.1E+00	1.7E-07	1.0E-03	2.0E-10	1.6E-01	6.7E-01	2.1E-11
483	4.2E+00	1.6E-06	1.0E-03	7.0E-09	1.6E-01	6.7E-01	7.4E-10	1.1E+00	1.7E-07	1.0E-03	2.0E-10	1.6E-01	6.7E-01	2.1E-11
484	4.6E+00	1.6E-06	1.0E-03	7.6E-09	1.6E-01	6.7E-01	8.0E-10	1.1E+00	1.7E-07	1.0E-03	2.0E-10	1.6E-01	6.7E-01	2.1E-11
485	4.9E+00	1.6E-06	1.0E-03	8.1E-09	1.6E-01	6.7E-01	8.6E-10	1.1E+00	1.7E-07	1.0E-03	1.9E-10	1.6E-01	6.7E-01	2.0E-11
486	5.2E+00	1.6E-06	1.0E-03	8.6E-09	1.6E-01	6.7E-01	9.0E-10	1.1E+00	1.7E-07	1.0E-03	1.9E-10	1.6E-01	6.7E-01	2.0E-11
487	3.4E+00	1.6E-06	1.0E-03	5.6E-09	1.6E-01	6.7E-01	5.9E-10	7.9E-01	1.7E-07	1.0E-03	1.4E-10	1.6E-01	6.7E-01	1.5E-11
488	3.2E+00	1.6E-06	1.0E-03	5.3E-09	1.6E-01	6.7E-01	5.6E-10	7.7E-01	1.7E-07	1.0E-03	1.4E-10	1.6E-01	6.7E-01	1.4E-11
489	3.0E+00	1.6E-06	1.0E-03	5.0E-09	1.6E-01	6.7E-01	5.2E-10	7.5E-01	1.7E-07	1.0E-03	1.3E-10	1.6E-01	6.7E-01	1.4E-11
490	2.8E+00	1.6E-06	1.0E-03	4.7E-09	1.6E-01	6.7E-01	4.9E-10	7.2E-01	1.7E-07	1.0E-03	1.3E-10	1.6E-01	6.7E-01	1.4E-11
491	2.6E+00	1.6E-06	1.0E-03	4.4E-09	1.6E-01	6.7E-01	4.6E-10	7.0E-01	1.7E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.3E-11
492	2.5E+00	1.6E-06	1.0E-03	4.1E-09	1.6E-01	6.7E-01	4.3E-10	6.8E-01	1.7E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.3E-11
493	2.3E+00	1.6E-06	1.0E-03	3.8E-09	1.6E-01	6.7E-01	4.0E-10	6.6E-01	1.7E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.2E-11
494	2.2E+00	1.6E-06	1.0E-03	3.6E-09	1.6E-01	6.7E-01	3.8E-10	6.3E-01	1.7E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.2E-11
495	2.0E+00	1.6E-06	1.0E-03	3.4E-09	1.6E-01	6.7E-01	3.6E-10	6.1E-01	1.7E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.1E-11
496	1.9E+00	1.6E-06	1.0E-03	3.2E-09	1.6E-01	6.7E-01	3.3E-10	5.9E-01	1.7E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.1E-11
497	3.4E+00	1.6E-06	1.0E-03	5.7E-09	1.6E-01	6.7E-01	6.0E-10	1.1E+00	1.7E-07	1.0E-03	1.9E-10	1.6E-01	6.7E-01	2.0E-11
498	3.7E+00	1.6E-06	1.0E-03	6.1E-09	1.6E-01	6.7E-01	6.5E-10	1.1E+00	1.7E-07	1.0E-03	1.9E-10	1.6E-01	6.7E-01	2.0E-11
499	4.0E+00	1.6E-06	1.0E-03	6.6E-09	1.6E-01	6.7E-01	6.9E-10	1.0E+00	1.7E-07	1.0E-03	1.9E-10	1.6E-01	6.7E-01	2.0E-11
500	4.2E+00	1.6E-06	1.0E-03	7.0E-09	1.6E-01	6.7E-01	7.4E-10	1.0E+00	1.7E-07	1.0E-03	1.8E-10	1.6E-01	6.7E-01	1.9E-11
501	4.4E+00	1.6E-06	1.0E-03	7.3E-09	1.6E-01	6.7E-01	7.7E-10	1.0E+00	1.7E-07	1.0E-03	1.8E-10	1.6E-01	6.7E-01	1.9E-11
502	3.1E+00	1.6E-06	1.0E-03	5.2E-09	1.6E-01	6.7E-01	5.5E-10	7.7E-01	1.7E-07	1.0E-03	1.4E-10	1.6E-01	6.7E-01	1.4E-11
503	3.0E+00	1.6E-06	1.0E-03	4.9E-09	1.6E-01	6.7E-01	5.2E-10	7.4E-01	1.7E-07	1.0E-03	1.3E-10	1.6E-01	6.7E-01	1.4E-11
504	2.8E+00	1.6E-06	1.0E-03	4.6E-09	1.6E-01	6.7E-01	4.9E-10	7.2E-01	1.7E-07	1.0E-03	1.3E-10	1.6E-01	6.7E-01	1.4E-11
505	2.6E+00	1.6E-06	1.0E-03	4.4E-09	1.6E-01	6.7E-01	4.6E-10	7.0E-01	1.7E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.3E-11
506	2.5E+00	1.6E-06	1.0E-03	4.1E-09	1.6E-01	6.7E-01	4.3E-10	6.8E-01	1.7E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.3E-11
507	2.3E+00	1.6E-06	1.0E-03	3.9E-09	1.6E-01	6.7E-01	4.1E-10	6.6E-01	1.7E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.2E-11
508	2.2E+00	1.6E-06	1.0E-03	3.6E-09	1.6E-01	6.7E-01	3.8E-10	6.4E-01	1.7E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.2E-11
509	2.1E+00	1.6E-06	1.0E-03	3.4E-09	1.6E-01	6.7E-01	3.6E-10	6.2E-01	1.7E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.2E-11
510	1.9E+00	1.6E-06	1.0E-03	3.2E-09	1.6E-01	6.7E-01	3.4E-10	6.0E-01	1.7E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.1E-11
511	1.8E+00	1.6E-06	1.0E-03	3.0E-09	1.6E-01	6.7E-01	3.2E-10	5.8E-01	1.7E-07	1.0E-03	1.0E-10	1.6E-01	6.7E-01	1.1E-11
512	3.0E+00	1.6E-06	1.0E-03	5.1E-09	1.6E-01	6.7E-01	5.3E-10	1.0E+00	1.7E-07	1.0E-03	1.8E-10	1.6E-01	6.7E-01	1.9E-11
513	3.3E+00	1.6E-06	1.0E-03	5.4E-09	1.6E-01	6.7E-01	5.7E-10	1.0E+00	1.7E-07	1.0E-03	1.8E-10	1.6E-01	6.7E-01	1.9E-11
514	3.5E+00	1.6E-06	1.0E-03	5.8E-09	1.6E-01	6.7E-01	6.1E-10	9.9E-01	1.7E-07	1.0E-03	1.8E-10	1.6E-01	6.7E-01	1.9E-11
515	3.7E+00	1.6E-06	1.0E-03	6.1E-09	1.6E-01	6.7E-01	6.4E-10	9.8E-01	1.7E-07	1.0E-03	1.7E-10	1.6E-01	6.7E-01	1.8E-11
516	3.8E+00	1.6E-06	1.0E-03	6.3E-09	1.6E-01	6.7E-01	6.7E-10	9.7E-01	1.7E-07	1.0E-03	1.7E-10	1.6E-01	6.7E-01	1.8E-11

Franklin School Project

Risk From Modernization Const - Mitigated Residential

	Haul Route 1A							Haul Route 2A						
Receptor #	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
517	2.9E+00	1.6E-06	1.0E-03	4.8E-09	1.6E-01	6.7E-01	5.1E-10	7.4E-01	1.7E-07	1.0E-03	1.3E-10	1.6E-01	6.7E-01	1.4E-11
518	2.8E+00	1.6E-06	1.0E-03	4.6E-09	1.6E-01	6.7E-01	4.8E-10	7.2E-01	1.7E-07	1.0E-03	1.3E-10	1.6E-01	6.7E-01	1.3E-11
519	2.6E+00	1.6E-06	1.0E-03	4.3E-09	1.6E-01	6.7E-01	4.5E-10	7.0E-01	1.7E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.3E-11
520	2.5E+00	1.6E-06	1.0E-03	4.1E-09	1.6E-01	6.7E-01	4.3E-10	6.8E-01	1.7E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.3E-11
521	2.3E+00	1.6E-06	1.0E-03	3.9E-09	1.6E-01	6.7E-01	4.1E-10	6.6E-01	1.7E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.2E-11
522	2.2E+00	1.6E-06	1.0E-03	3.6E-09	1.6E-01	6.7E-01	3.8E-10	6.4E-01	1.7E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.2E-11
523	2.1E+00	1.6E-06	1.0E-03	3.4E-09	1.6E-01	6.7E-01	3.6E-10	6.2E-01	1.7E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.2E-11
524	2.0E+00	1.6E-06	1.0E-03	3.3E-09	1.6E-01	6.7E-01	3.4E-10	6.0E-01	1.7E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.1E-11
525	1.9E+00	1.6E-06	1.0E-03	3.1E-09	1.6E-01	6.7E-01	3.2E-10	5.8E-01	1.7E-07	1.0E-03	1.0E-10	1.6E-01	6.7E-01	1.1E-11
526	1.8E+00	1.6E-06	1.0E-03	2.9E-09	1.6E-01	6.7E-01	3.1E-10	5.6E-01	1.7E-07	1.0E-03	1.0E-10	1.6E-01	6.7E-01	1.1E-11
527	2.7E+00	1.6E-06	1.0E-03	4.5E-09	1.6E-01	6.7E-01	4.8E-10	9.7E-01	1.7E-07	1.0E-03	1.7E-10	1.6E-01	6.7E-01	1.8E-11
528	2.9E+00	1.6E-06	1.0E-03	4.8E-09	1.6E-01	6.7E-01	5.1E-10	9.6E-01	1.7E-07	1.0E-03	1.7E-10	1.6E-01	6.7E-01	1.8E-11
529	3.1E+00	1.6E-06	1.0E-03	5.1E-09	1.6E-01	6.7E-01	5.4E-10	9.5E-01	1.7E-07	1.0E-03	1.7E-10	1.6E-01	6.7E-01	1.8E-11
530	3.2E+00	1.6E-06	1.0E-03	5.4E-09	1.6E-01	6.7E-01	5.6E-10	9.4E-01	1.7E-07	1.0E-03	1.7E-10	1.6E-01	6.7E-01	1.8E-11
531	3.4E+00	1.6E-06	1.0E-03	5.6E-09	1.6E-01	6.7E-01	5.9E-10	9.2E-01	1.7E-07	1.0E-03	1.6E-10	1.6E-01	6.7E-01	1.7E-11
532	2.7E+00	1.6E-06	1.0E-03	4.5E-09	1.6E-01	6.7E-01	4.7E-10	7.1E-01	1.7E-07	1.0E-03	1.3E-10	1.6E-01	6.7E-01	1.3E-11
533	2.6E+00	1.6E-06	1.0E-03	4.2E-09	1.6E-01	6.7E-01	4.5E-10	6.9E-01	1.7E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.3E-11
534	2.4E+00	1.6E-06	1.0E-03	4.0E-09	1.6E-01	6.7E-01	4.2E-10	6.7E-01	1.7E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.3E-11
535	2.3E+00	1.6E-06	1.0E-03	3.8E-09	1.6E-01	6.7E-01	4.0E-10	6.6E-01	1.7E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.2E-11
536	2.2E+00	1.6E-06	1.0E-03	3.6E-09	1.6E-01	6.7E-01	3.8E-10	6.4E-01	1.7E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.2E-11
537	2.1E+00	1.6E-06	1.0E-03	3.4E-09	1.6E-01	6.7E-01	3.6E-10	6.2E-01	1.7E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.2E-11
538	2.0E+00	1.6E-06	1.0E-03	3.3E-09	1.6E-01	6.7E-01	3.4E-10	6.0E-01	1.7E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.1E-11
539	1.9E+00	1.6E-06	1.0E-03	3.1E-09	1.6E-01	6.7E-01	3.2E-10	5.8E-01	1.7E-07	1.0E-03	1.0E-10	1.6E-01	6.7E-01	1.1E-11
540	1.8E+00	1.6E-06	1.0E-03	2.9E-09	1.6E-01	6.7E-01	3.1E-10	5.7E-01	1.7E-07	1.0E-03	1.0E-10	1.6E-01	6.7E-01	1.1E-11
541	1.7E+00	1.6E-06	1.0E-03	2.8E-09	1.6E-01	6.7E-01	2.9E-10	5.5E-01	1.7E-07	1.0E-03	9.8E-11	1.6E-01	6.7E-01	1.0E-11
542	2.5E+00	1.6E-06	1.0E-03	4.1E-09	1.6E-01	6.7E-01	4.3E-10	9.2E-01	1.7E-07	1.0E-03	1.6E-10	1.6E-01	6.7E-01	1.7E-11
543	2.6E+00	1.6E-06	1.0E-03	4.3E-09	1.6E-01	6.7E-01	4.6E-10	9.2E-01	1.7E-07	1.0E-03	1.6E-10	1.6E-01	6.7E-01	1.7E-11
544	2.8E+00	1.6E-06	1.0E-03	4.6E-09	1.6E-01	6.7E-01	4.8E-10	9.0E-01	1.7E-07	1.0E-03	1.6E-10	1.6E-01	6.7E-01	1.7E-11
545	2.9E+00	1.6E-06	1.0E-03	4.8E-09	1.6E-01	6.7E-01	5.0E-10	8.9E-01	1.7E-07	1.0E-03	1.6E-10	1.6E-01	6.7E-01	1.7E-11
546	3.0E+00	1.6E-06	1.0E-03	4.9E-09	1.6E-01	6.7E-01	5.2E-10	8.8E-01	1.7E-07	1.0E-03	1.6E-10	1.6E-01	6.7E-01	1.7E-11
547	2.5E+00	1.6E-06	1.0E-03	4.1E-09	1.6E-01	6.7E-01	4.3E-10	6.9E-01	1.7E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.3E-11
548	2.4E+00	1.6E-06	1.0E-03	3.9E-09	1.6E-01	6.7E-01	4.1E-10	6.7E-01	1.7E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.3E-11
549	2.3E+00	1.6E-06	1.0E-03	3.8E-09	1.6E-01	6.7E-01	3.9E-10	6.5E-01	1.7E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.2E-11
550	2.2E+00	1.6E-06	1.0E-03	3.6E-09	1.6E-01	6.7E-01	3.8E-10	6.3E-01	1.7E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.2E-11
551	2.0E+00	1.6E-06	1.0E-03	3.4E-09	1.6E-01	6.7E-01	3.5E-10	6.1E-01	1.7E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.2E-11
552	1.9E+00	1.6E-06	1.0E-03	3.2E-09	1.6E-01	6.7E-01	3.4E-10	6.0E-01	1.7E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.1E-11
553	1.8E+00	1.6E-06	1.0E-03	3.0E-09	1.6E-01	6.7E-01	3.2E-10	5.8E-01	1.7E-07	1.0E-03	1.0E-10	1.6E-01	6.7E-01	1.1E-11
554	1.7E+00	1.6E-06	1.0E-03	2.9E-09	1.6E-01	6.7E-01	3.0E-10	5.6E-01	1.7E-07	1.0E-03	1.0E-10	1.6E-01	6.7E-01	1.1E-11
555	1.7E+00	1.6E-06	1.0E-03	2.8E-09	1.6E-01	6.7E-01	2.9E-10	5.5E-01	1.7E-07	1.0E-03	9.8E-11	1.6E-01	6.7E-01	1.0E-11
556	1.6E+00	1.6E-06	1.0E-03	2.6E-09	1.6E-01	6.7E-01	2.7E-10	5.3E-01	1.7E-07	1.0E-03	9.5E-11	1.6E-01	6.7E-01	9.9E-12
557	2.2E+00	1.6E-06	1.0E-03	3.7E-09	1.6E-01	6.7E-01	3.9E-10	8.8E-01	1.7E-07	1.0E-03	1.6E-10	1.6E-01	6.7E-01	1.7E-11
558	2.4E+00	1.6E-06	1.0E-03	3.9E-09	1.6E-01	6.7E-01	4.1E-10	8.7E-01	1.7E-07	1.0E-03	1.6E-10	1.6E-01	6.7E-01	1.6E-11
559	2.5E+00	1.6E-06	1.0E-03	4.1E-09	1.6E-01	6.7E-01	4.3E-10	8.6E-01	1.7E-07	1.0E-03	1.5E-10	1.6E-01	6.7E-01	1.6E-11

Franklin School Project

Risk From Modernization Const - Mitigated Residential

	Haul Route 1A							Haul Route 2A						
Receptor #	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
560	2.6E+00	1.6E-06	1.0E-03	4.3E-09	1.6E-01	6.7E-01	4.5E-10	8.5E-01	1.7E-07	1.0E-03	1.5E-10	1.6E-01	6.7E-01	1.6E-11
561	2.7E+00	1.6E-06	1.0E-03	4.4E-09	1.6E-01	6.7E-01	4.7E-10	8.4E-01	1.7E-07	1.0E-03	1.5E-10	1.6E-01	6.7E-01	1.6E-11
562	2.2E+00	1.6E-06	1.0E-03	3.7E-09	1.6E-01	6.7E-01	3.9E-10	6.5E-01	1.7E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.2E-11
563	2.1E+00	1.6E-06	1.0E-03	3.5E-09	1.6E-01	6.7E-01	3.7E-10	6.3E-01	1.7E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.2E-11
564	2.0E+00	1.6E-06	1.0E-03	3.3E-09	1.6E-01	6.7E-01	3.5E-10	6.1E-01	1.7E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.1E-11
565	1.9E+00	1.6E-06	1.0E-03	3.1E-09	1.6E-01	6.7E-01	3.3E-10	5.9E-01	1.7E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.1E-11
566	1.8E+00	1.6E-06	1.0E-03	3.0E-09	1.6E-01	6.7E-01	3.1E-10	5.7E-01	1.7E-07	1.0E-03	1.0E-10	1.6E-01	6.7E-01	1.1E-11
567	1.7E+00	1.6E-06	1.0E-03	2.8E-09	1.6E-01	6.7E-01	3.0E-10	5.6E-01	1.7E-07	1.0E-03	9.9E-11	1.6E-01	6.7E-01	1.0E-11
568	1.6E+00	1.6E-06	1.0E-03	2.7E-09	1.6E-01	6.7E-01	2.8E-10	5.4E-01	1.7E-07	1.0E-03	9.7E-11	1.6E-01	6.7E-01	1.0E-11
569	1.6E+00	1.6E-06	1.0E-03	2.6E-09	1.6E-01	6.7E-01	2.7E-10	5.3E-01	1.7E-07	1.0E-03	9.4E-11	1.6E-01	6.7E-01	9.9E-12
570	1.5E+00	1.6E-06	1.0E-03	2.5E-09	1.6E-01	6.7E-01	2.6E-10	5.1E-01	1.7E-07	1.0E-03	9.1E-11	1.6E-01	6.7E-01	9.6E-12
571	2.0E+00	1.6E-06	1.0E-03	3.4E-09	1.6E-01	6.7E-01	3.6E-10	8.4E-01	1.7E-07	1.0E-03	1.5E-10	1.6E-01	6.7E-01	1.6E-11
572	2.2E+00	1.6E-06	1.0E-03	3.6E-09	1.6E-01	6.7E-01	3.7E-10	8.4E-01	1.7E-07	1.0E-03	1.5E-10	1.6E-01	6.7E-01	1.6E-11
573	2.2E+00	1.6E-06	1.0E-03	3.7E-09	1.6E-01	6.7E-01	3.9E-10	8.3E-01	1.7E-07	1.0E-03	1.5E-10	1.6E-01	6.7E-01	1.5E-11
574	2.3E+00	1.6E-06	1.0E-03	3.9E-09	1.6E-01	6.7E-01	4.1E-10	8.2E-01	1.7E-07	1.0E-03	1.5E-10	1.6E-01	6.7E-01	1.5E-11
575	2.4E+00	1.6E-06	1.0E-03	4.0E-09	1.6E-01	6.7E-01	4.2E-10	8.1E-01	1.7E-07	1.0E-03	1.4E-10	1.6E-01	6.7E-01	1.5E-11
576	2.0E+00	1.6E-06	1.0E-03	3.3E-09	1.6E-01	6.7E-01	3.5E-10	6.1E-01	1.7E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.1E-11
577	1.9E+00	1.6E-06	1.0E-03	3.2E-09	1.6E-01	6.7E-01	3.3E-10	6.0E-01	1.7E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.1E-11
578	1.8E+00	1.6E-06	1.0E-03	3.0E-09	1.6E-01	6.7E-01	3.1E-10	5.8E-01	1.7E-07	1.0E-03	1.0E-10	1.6E-01	6.7E-01	1.1E-11
579	1.7E+00	1.6E-06	1.0E-03	2.9E-09	1.6E-01	6.7E-01	3.0E-10	5.6E-01	1.7E-07	1.0E-03	1.0E-10	1.6E-01	6.7E-01	1.1E-11
580	1.6E+00	1.6E-06	1.0E-03	2.7E-09	1.6E-01	6.7E-01	2.9E-10	5.5E-01	1.7E-07	1.0E-03	9.7E-11	1.6E-01	6.7E-01	1.0E-11
581	1.6E+00	1.6E-06	1.0E-03	2.6E-09	1.6E-01	6.7E-01	2.7E-10	5.3E-01	1.7E-07	1.0E-03	9.4E-11	1.6E-01	6.7E-01	9.9E-12
582	1.5E+00	1.6E-06	1.0E-03	2.5E-09	1.6E-01	6.7E-01	2.6E-10	5.1E-01	1.7E-07	1.0E-03	9.1E-11	1.6E-01	6.7E-01	9.6E-12
583	1.4E+00	1.6E-06	1.0E-03	2.3E-09	1.6E-01	6.7E-01	2.5E-10	5.0E-01	1.7E-07	1.0E-03	8.9E-11	1.6E-01	6.7E-01	9.3E-12
584	1.9E+00	1.6E-06	1.0E-03	3.1E-09	1.6E-01	6.7E-01	3.3E-10	8.1E-01	1.7E-07	1.0E-03	1.4E-10	1.6E-01	6.7E-01	1.5E-11
585	2.0E+00	1.6E-06	1.0E-03	3.3E-09	1.6E-01	6.7E-01	3.4E-10	8.0E-01	1.7E-07	1.0E-03	1.4E-10	1.6E-01	6.7E-01	1.5E-11
586	2.1E+00	1.6E-06	1.0E-03	3.4E-09	1.6E-01	6.7E-01	3.6E-10	7.9E-01	1.7E-07	1.0E-03	1.4E-10	1.6E-01	6.7E-01	1.5E-11
587	2.1E+00	1.6E-06	1.0E-03	3.5E-09	1.6E-01	6.7E-01	3.7E-10	7.8E-01	1.7E-07	1.0E-03	1.4E-10	1.6E-01	6.7E-01	1.5E-11
588	2.2E+00	1.6E-06	1.0E-03	3.6E-09	1.6E-01	6.7E-01	3.8E-10	7.7E-01	1.7E-07	1.0E-03	1.4E-10	1.6E-01	6.7E-01	1.5E-11
589	1.8E+00	1.6E-06	1.0E-03	3.0E-09	1.6E-01	6.7E-01	3.2E-10	5.8E-01	1.7E-07	1.0E-03	1.0E-10	1.6E-01	6.7E-01	1.1E-11
590	1.7E+00	1.6E-06	1.0E-03	2.9E-09	1.6E-01	6.7E-01	3.0E-10	5.7E-01	1.7E-07	1.0E-03	1.0E-10	1.6E-01	6.7E-01	1.1E-11
591	1.7E+00	1.6E-06	1.0E-03	2.8E-09	1.6E-01	6.7E-01	2.9E-10	5.5E-01	1.7E-07	1.0E-03	9.8E-11	1.6E-01	6.7E-01	1.0E-11
592	1.6E+00	1.6E-06	1.0E-03	2.6E-09	1.6E-01	6.7E-01	2.8E-10	5.4E-01	1.7E-07	1.0E-03	9.6E-11	1.6E-01	6.7E-01	1.0E-11
593	1.5E+00	1.6E-06	1.0E-03	2.5E-09	1.6E-01	6.7E-01	2.7E-10	5.2E-01	1.7E-07	1.0E-03	9.3E-11	1.6E-01	6.7E-01	9.8E-12
594	1.4E+00	1.6E-06	1.0E-03	2.4E-09	1.6E-01	6.7E-01	2.5E-10	5.1E-01	1.7E-07	1.0E-03	9.0E-11	1.6E-01	6.7E-01	9.5E-12
595	1.4E+00	1.6E-06	1.0E-03	2.3E-09	1.6E-01	6.7E-01	2.4E-10	4.9E-01	1.7E-07	1.0E-03	8.7E-11	1.6E-01	6.7E-01	9.2E-12
596	1.7E+00	1.6E-06	1.0E-03	2.9E-09	1.6E-01	6.7E-01	3.0E-10	7.7E-01	1.7E-07	1.0E-03	1.4E-10	1.6E-01	6.7E-01	1.4E-11
597	1.8E+00	1.6E-06	1.0E-03	3.0E-09	1.6E-01	6.7E-01	3.1E-10	7.7E-01	1.7E-07	1.0E-03	1.4E-10	1.6E-01	6.7E-01	1.4E-11
598	1.9E+00	1.6E-06	1.0E-03	3.1E-09	1.6E-01	6.7E-01	3.3E-10	7.6E-01	1.7E-07	1.0E-03	1.4E-10	1.6E-01	6.7E-01	1.4E-11
599	1.9E+00	1.6E-06	1.0E-03	3.2E-09	1.6E-01	6.7E-01	3.4E-10	7.5E-01	1.7E-07	1.0E-03	1.3E-10	1.6E-01	6.7E-01	1.4E-11
600	2.0E+00	1.6E-06	1.0E-03	3.3E-09	1.6E-01	6.7E-01	3.5E-10	7.4E-01	1.7E-07	1.0E-03	1.3E-10	1.6E-01	6.7E-01	1.4E-11
601	1.6E+00	1.6E-06	1.0E-03	2.7E-09	1.6E-01	6.7E-01	2.9E-10	5.5E-01	1.7E-07	1.0E-03	9.8E-11	1.6E-01	6.7E-01	1.0E-11
602	1.6E+00	1.6E-06	1.0E-03	2.6E-09	1.6E-01	6.7E-01	2.8E-10	5.4E-01	1.7E-07	1.0E-03	9.6E-11	1.6E-01	6.7E-01	1.0E-11

Franklin School Project

Risk From Modernization Const - Mitigated Residential

	Haul Route 1A							Haul Route 2A						
Receptor #	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
603	1.5E+00	1.6E-06	1.0E-03	2.5E-09	1.6E-01	6.7E-01	2.6E-10	5.2E-01	1.7E-07	1.0E-03	9.3E-11	1.6E-01	6.7E-01	9.8E-12
604	1.5E+00	1.6E-06	1.0E-03	2.4E-09	1.6E-01	6.7E-01	2.5E-10	5.1E-01	1.7E-07	1.0E-03	9.1E-11	1.6E-01	6.7E-01	9.5E-12
605	1.4E+00	1.6E-06	1.0E-03	2.3E-09	1.6E-01	6.7E-01	2.4E-10	5.0E-01	1.7E-07	1.0E-03	8.8E-11	1.6E-01	6.7E-01	9.3E-12
606	1.3E+00	1.6E-06	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.3E-10	4.8E-01	1.7E-07	1.0E-03	8.6E-11	1.6E-01	6.7E-01	9.0E-12
607	1.6E+00	1.6E-06	1.0E-03	2.7E-09	1.6E-01	6.7E-01	2.8E-10	7.4E-01	1.7E-07	1.0E-03	1.3E-10	1.6E-01	6.7E-01	1.4E-11
608	1.7E+00	1.6E-06	1.0E-03	2.8E-09	1.6E-01	6.7E-01	2.9E-10	7.3E-01	1.7E-07	1.0E-03	1.3E-10	1.6E-01	6.7E-01	1.4E-11
609	1.7E+00	1.6E-06	1.0E-03	2.9E-09	1.6E-01	6.7E-01	3.0E-10	7.3E-01	1.7E-07	1.0E-03	1.3E-10	1.6E-01	6.7E-01	1.4E-11
610	1.8E+00	1.6E-06	1.0E-03	3.0E-09	1.6E-01	6.7E-01	3.1E-10	7.2E-01	1.7E-07	1.0E-03	1.3E-10	1.6E-01	6.7E-01	1.4E-11
611	1.8E+00	1.6E-06	1.0E-03	3.0E-09	1.6E-01	6.7E-01	3.2E-10	7.1E-01	1.7E-07	1.0E-03	1.3E-10	1.6E-01	6.7E-01	1.3E-11
612	1.6E+00	1.6E-06	1.0E-03	2.6E-09	1.6E-01	6.7E-01	2.7E-10	5.3E-01	1.7E-07	1.0E-03	9.5E-11	1.6E-01	6.7E-01	1.0E-11
613	1.5E+00	1.6E-06	1.0E-03	2.5E-09	1.6E-01	6.7E-01	2.6E-10	5.2E-01	1.7E-07	1.0E-03	9.3E-11	1.6E-01	6.7E-01	9.8E-12
614	1.4E+00	1.6E-06	1.0E-03	2.4E-09	1.6E-01	6.7E-01	2.5E-10	5.1E-01	1.7E-07	1.0E-03	9.1E-11	1.6E-01	6.7E-01	9.5E-12
615	1.4E+00	1.6E-06	1.0E-03	2.3E-09	1.6E-01	6.7E-01	2.4E-10	5.0E-01	1.7E-07	1.0E-03	8.8E-11	1.6E-01	6.7E-01	9.3E-12
616	1.3E+00	1.6E-06	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.3E-10	4.8E-01	1.7E-07	1.0E-03	8.6E-11	1.6E-01	6.7E-01	9.0E-12
617	1.3E+00	1.6E-06	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.2E-10	4.7E-01	1.7E-07	1.0E-03	8.4E-11	1.6E-01	6.7E-01	8.8E-12
618	1.5E+00	1.6E-06	1.0E-03	2.5E-09	1.6E-01	6.7E-01	2.6E-10	7.1E-01	1.7E-07	1.0E-03	1.3E-10	1.6E-01	6.7E-01	1.3E-11
619	1.5E+00	1.6E-06	1.0E-03	2.6E-09	1.6E-01	6.7E-01	2.7E-10	7.0E-01	1.7E-07	1.0E-03	1.3E-10	1.6E-01	6.7E-01	1.3E-11
620	1.6E+00	1.6E-06	1.0E-03	2.6E-09	1.6E-01	6.7E-01	2.8E-10	7.0E-01	1.7E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.3E-11
621	1.6E+00	1.6E-06	1.0E-03	2.7E-09	1.6E-01	6.7E-01	2.9E-10	6.9E-01	1.7E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.3E-11
622	1.7E+00	1.6E-06	1.0E-03	2.8E-09	1.6E-01	6.7E-01	2.9E-10	6.9E-01	1.7E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.3E-11
623	1.5E+00	1.6E-06	1.0E-03	2.4E-09	1.6E-01	6.7E-01	2.6E-10	5.2E-01	1.7E-07	1.0E-03	9.3E-11	1.6E-01	6.7E-01	9.7E-12
624	1.4E+00	1.6E-06	1.0E-03	2.4E-09	1.6E-01	6.7E-01	2.5E-10	5.1E-01	1.7E-07	1.0E-03	9.0E-11	1.6E-01	6.7E-01	9.5E-12
625	1.4E+00	1.6E-06	1.0E-03	2.3E-09	1.6E-01	6.7E-01	2.4E-10	5.0E-01	1.7E-07	1.0E-03	8.8E-11	1.6E-01	6.7E-01	9.3E-12
626	1.3E+00	1.6E-06	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.3E-10	4.8E-01	1.7E-07	1.0E-03	8.6E-11	1.6E-01	6.7E-01	9.1E-12
627	1.3E+00	1.6E-06	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.2E-10	4.7E-01	1.7E-07	1.0E-03	8.4E-11	1.6E-01	6.7E-01	8.8E-12
628	1.2E+00	1.6E-06	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10	4.6E-01	1.7E-07	1.0E-03	8.2E-11	1.6E-01	6.7E-01	8.6E-12
629	1.4E+00	1.6E-06	1.0E-03	2.3E-09	1.6E-01	6.7E-01	2.4E-10	6.8E-01	1.7E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.3E-11
630	1.4E+00	1.6E-06	1.0E-03	2.4E-09	1.6E-01	6.7E-01	2.5E-10	6.8E-01	1.7E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.3E-11
631	1.5E+00	1.6E-06	1.0E-03	2.5E-09	1.6E-01	6.7E-01	2.6E-10	6.7E-01	1.7E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.3E-11
632	1.5E+00	1.6E-06	1.0E-03	2.5E-09	1.6E-01	6.7E-01	2.7E-10	6.7E-01	1.7E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.2E-11
633	1.6E+00	1.6E-06	1.0E-03	2.6E-09	1.6E-01	6.7E-01	2.7E-10	6.6E-01	1.7E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.2E-11
634	1.4E+00	1.6E-06	1.0E-03	2.3E-09	1.6E-01	6.7E-01	2.4E-10	5.0E-01	1.7E-07	1.0E-03	9.0E-11	1.6E-01	6.7E-01	9.4E-12
635	1.4E+00	1.6E-06	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.4E-10	4.9E-01	1.7E-07	1.0E-03	8.8E-11	1.6E-01	6.7E-01	9.2E-12
636	1.3E+00	1.6E-06	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.3E-10	4.8E-01	1.7E-07	1.0E-03	8.6E-11	1.6E-01	6.7E-01	9.0E-12
637	1.3E+00	1.6E-06	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.2E-10	4.7E-01	1.7E-07	1.0E-03	8.4E-11	1.6E-01	6.7E-01	8.8E-12
638	1.2E+00	1.6E-06	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10	4.6E-01	1.7E-07	1.0E-03	8.2E-11	1.6E-01	6.7E-01	8.6E-12
639	1.2E+00	1.6E-06	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10	4.5E-01	1.7E-07	1.0E-03	8.0E-11	1.6E-01	6.7E-01	8.4E-12
640	1.3E+00	1.6E-06	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.2E-10	6.5E-01	1.7E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.2E-11
641	1.3E+00	1.6E-06	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.3E-10	6.5E-01	1.7E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.2E-11
642	1.4E+00	1.6E-06	1.0E-03	2.3E-09	1.6E-01	6.7E-01	2.4E-10	6.5E-01	1.7E-07	1.0E-03	1.2E-10	1.6E-01	6.7E-01	1.2E-11
643	1.4E+00	1.6E-06	1.0E-03	2.3E-09	1.6E-01	6.7E-01	2.5E-10	6.4E-01	1.7E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.2E-11
644	1.4E+00	1.6E-06	1.0E-03	2.4E-09	1.6E-01	6.7E-01	2.5E-10	6.3E-01	1.7E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.2E-11
645	1.3E+00	1.6E-06	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.3E-10	4.9E-01	1.7E-07	1.0E-03	8.7E-11	1.6E-01	6.7E-01	9.2E-12

Franklin School Project

Risk From Modernization Const - Mitigated Residential

	Haul Route 1A							Haul Route 2A						
Receptor #	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
646	1.3E+00	1.6E-06	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.2E-10	4.8E-01	1.7E-07	1.0E-03	8.6E-11	1.6E-01	6.7E-01	9.0E-12
647	1.3E+00	1.6E-06	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.2E-10	4.7E-01	1.7E-07	1.0E-03	8.4E-11	1.6E-01	6.7E-01	8.8E-12
648	1.2E+00	1.6E-06	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10	4.6E-01	1.7E-07	1.0E-03	8.2E-11	1.6E-01	6.7E-01	8.6E-12
649	1.2E+00	1.6E-06	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10	4.5E-01	1.7E-07	1.0E-03	8.0E-11	1.6E-01	6.7E-01	8.4E-12
650	1.1E+00	1.6E-06	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10	4.4E-01	1.7E-07	1.0E-03	7.8E-11	1.6E-01	6.7E-01	8.2E-12
651	1.2E+00	1.6E-06	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10	6.3E-01	1.7E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.2E-11
652	1.2E+00	1.6E-06	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.2E-10	6.3E-01	1.7E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.2E-11
653	1.3E+00	1.6E-06	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.2E-10	6.2E-01	1.7E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.2E-11
654	1.3E+00	1.6E-06	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.3E-10	6.2E-01	1.7E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.2E-11
655	1.3E+00	1.6E-06	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.4E-10	6.1E-01	1.7E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.1E-11
656	1.4E+00	1.6E-06	1.0E-03	2.3E-09	1.6E-01	6.7E-01	2.4E-10	6.0E-01	1.7E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.1E-11
657	1.4E+00	1.6E-06	1.0E-03	2.3E-09	1.6E-01	6.7E-01	2.4E-10	6.0E-01	1.7E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.1E-11
658	1.4E+00	1.6E-06	1.0E-03	2.4E-09	1.6E-01	6.7E-01	2.5E-10	5.9E-01	1.7E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.1E-11
659	1.4E+00	1.6E-06	1.0E-03	2.4E-09	1.6E-01	6.7E-01	2.5E-10	5.8E-01	1.7E-07	1.0E-03	1.0E-10	1.6E-01	6.7E-01	1.1E-11
660	1.4E+00	1.6E-06	1.0E-03	2.4E-09	1.6E-01	6.7E-01	2.5E-10	5.8E-01	1.7E-07	1.0E-03	1.0E-10	1.6E-01	6.7E-01	1.1E-11
661	1.4E+00	1.6E-06	1.0E-03	2.4E-09	1.6E-01	6.7E-01	2.5E-10	5.7E-01	1.7E-07	1.0E-03	1.0E-10	1.6E-01	6.7E-01	1.1E-11
662	1.4E+00	1.6E-06	1.0E-03	2.4E-09	1.6E-01	6.7E-01	2.5E-10	5.6E-01	1.7E-07	1.0E-03	1.0E-10	1.6E-01	6.7E-01	1.0E-11
663	1.4E+00	1.6E-06	1.0E-03	2.4E-09	1.6E-01	6.7E-01	2.5E-10	5.5E-01	1.7E-07	1.0E-03	9.8E-11	1.6E-01	6.7E-01	1.0E-11
664	1.4E+00	1.6E-06	1.0E-03	2.4E-09	1.6E-01	6.7E-01	2.5E-10	5.4E-01	1.7E-07	1.0E-03	9.7E-11	1.6E-01	6.7E-01	1.0E-11
665	1.4E+00	1.6E-06	1.0E-03	2.3E-09	1.6E-01	6.7E-01	2.5E-10	5.3E-01	1.7E-07	1.0E-03	9.5E-11	1.6E-01	6.7E-01	1.0E-11
666	1.4E+00	1.6E-06	1.0E-03	2.3E-09	1.6E-01	6.7E-01	2.4E-10	5.2E-01	1.7E-07	1.0E-03	9.3E-11	1.6E-01	6.7E-01	9.8E-12
667	1.4E+00	1.6E-06	1.0E-03	2.3E-09	1.6E-01	6.7E-01	2.4E-10	5.1E-01	1.7E-07	1.0E-03	9.2E-11	1.6E-01	6.7E-01	9.6E-12
668	1.3E+00	1.6E-06	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.3E-10	5.1E-01	1.7E-07	1.0E-03	9.0E-11	1.6E-01	6.7E-01	9.5E-12
669	1.3E+00	1.6E-06	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.3E-10	5.0E-01	1.7E-07	1.0E-03	8.8E-11	1.6E-01	6.7E-01	9.3E-12
670	1.3E+00	1.6E-06	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.2E-10	4.9E-01	1.7E-07	1.0E-03	8.7E-11	1.6E-01	6.7E-01	9.1E-12
671	1.3E+00	1.6E-06	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.2E-10	4.8E-01	1.7E-07	1.0E-03	8.5E-11	1.6E-01	6.7E-01	8.9E-12
672	1.2E+00	1.6E-06	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10	4.7E-01	1.7E-07	1.0E-03	8.3E-11	1.6E-01	6.7E-01	8.7E-12
673	1.2E+00	1.6E-06	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10	4.6E-01	1.7E-07	1.0E-03	8.2E-11	1.6E-01	6.7E-01	8.6E-12
674	1.2E+00	1.6E-06	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10	4.5E-01	1.7E-07	1.0E-03	8.0E-11	1.6E-01	6.7E-01	8.4E-12
675	1.1E+00	1.6E-06	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10	4.4E-01	1.7E-07	1.0E-03	7.8E-11	1.6E-01	6.7E-01	8.2E-12
676	1.1E+00	1.6E-06	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10	4.3E-01	1.7E-07	1.0E-03	7.6E-11	1.6E-01	6.7E-01	8.0E-12
677	1.1E+00	1.6E-06	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10	6.1E-01	1.7E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.1E-11
678	1.2E+00	1.6E-06	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10	6.0E-01	1.7E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.1E-11
679	1.2E+00	1.6E-06	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10	6.0E-01	1.7E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.1E-11
680	1.2E+00	1.6E-06	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10	5.9E-01	1.7E-07	1.0E-03	1.1E-10	1.6E-01	6.7E-01	1.1E-11
681	1.3E+00	1.6E-06	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.2E-10	5.9E-01	1.7E-07	1.0E-03	1.0E-10	1.6E-01	6.7E-01	1.1E-11
682	1.3E+00	1.6E-06	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.2E-10	5.8E-01	1.7E-07	1.0E-03	1.0E-10	1.6E-01	6.7E-01	1.1E-11
683	1.3E+00	1.6E-06	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.3E-10	5.8E-01	1.7E-07	1.0E-03	1.0E-10	1.6E-01	6.7E-01	1.1E-11
684	1.3E+00	1.6E-06	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.3E-10	5.7E-01	1.7E-07	1.0E-03	1.0E-10	1.6E-01	6.7E-01	1.1E-11
685	1.3E+00	1.6E-06	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.3E-10	5.6E-01	1.7E-07	1.0E-03	1.0E-10	1.6E-01	6.7E-01	1.1E-11
686	1.3E+00	1.6E-06	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.3E-10	5.6E-01	1.7E-07	1.0E-03	9.9E-11	1.6E-01	6.7E-01	1.0E-11
687	1.3E+00	1.6E-06	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.3E-10	5.5E-01	1.7E-07	1.0E-03	9.8E-11	1.6E-01	6.7E-01	1.0E-11
688	1.3E+00	1.6E-06	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.3E-10	5.4E-01	1.7E-07	1.0E-03	9.6E-11	1.6E-01	6.7E-01	1.0E-11

Franklin School Project

Risk From Modernization Const - Mitigated Residential

	Haul Route 1A							Haul Route 2A						
Receptor #	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
689	1.3E+00	1.6E-06	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.3E-10	5.3E-01	1.7E-07	1.0E-03	9.5E-11	1.6E-01	6.7E-01	1.0E-11
690	1.3E+00	1.6E-06	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.3E-10	5.2E-01	1.7E-07	1.0E-03	9.4E-11	1.6E-01	6.7E-01	9.8E-12
691	1.3E+00	1.6E-06	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.3E-10	5.2E-01	1.7E-07	1.0E-03	9.2E-11	1.6E-01	6.7E-01	9.7E-12
692	1.3E+00	1.6E-06	1.0E-03	2.2E-09	1.6E-01	6.7E-01	2.3E-10	5.1E-01	1.7E-07	1.0E-03	9.1E-11	1.6E-01	6.7E-01	9.5E-12
693	1.3E+00	1.6E-06	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.2E-10	5.0E-01	1.7E-07	1.0E-03	8.9E-11	1.6E-01	6.7E-01	9.4E-12
694	1.3E+00	1.6E-06	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.2E-10	4.9E-01	1.7E-07	1.0E-03	8.7E-11	1.6E-01	6.7E-01	9.2E-12
695	1.2E+00	1.6E-06	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.2E-10	4.8E-01	1.7E-07	1.0E-03	8.6E-11	1.6E-01	6.7E-01	9.0E-12
696	1.2E+00	1.6E-06	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10	4.7E-01	1.7E-07	1.0E-03	8.4E-11	1.6E-01	6.7E-01	8.9E-12
697	1.2E+00	1.6E-06	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10	4.6E-01	1.7E-07	1.0E-03	8.3E-11	1.6E-01	6.7E-01	8.7E-12
698	1.2E+00	1.6E-06	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10	4.5E-01	1.7E-07	1.0E-03	8.1E-11	1.6E-01	6.7E-01	8.5E-12
699	1.1E+00	1.6E-06	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10	4.5E-01	1.7E-07	1.0E-03	7.9E-11	1.6E-01	6.7E-01	8.3E-12
700	1.1E+00	1.6E-06	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10	4.4E-01	1.7E-07	1.0E-03	7.8E-11	1.6E-01	6.7E-01	8.2E-12
701	1.1E+00	1.6E-06	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10	4.3E-01	1.7E-07	1.0E-03	7.6E-11	1.6E-01	6.7E-01	8.0E-12
702	1.0E+00	1.6E-06	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10	4.2E-01	1.7E-07	1.0E-03	7.4E-11	1.6E-01	6.7E-01	7.8E-12
703	1.1E+00	1.6E-06	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10	5.8E-01	1.7E-07	1.0E-03	1.0E-10	1.6E-01	6.7E-01	1.1E-11
704	1.1E+00	1.6E-06	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10	5.8E-01	1.7E-07	1.0E-03	1.0E-10	1.6E-01	6.7E-01	1.1E-11
705	1.1E+00	1.6E-06	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10	5.8E-01	1.7E-07	1.0E-03	1.0E-10	1.6E-01	6.7E-01	1.1E-11
706	1.2E+00	1.6E-06	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10	5.7E-01	1.7E-07	1.0E-03	1.0E-10	1.6E-01	6.7E-01	1.1E-11
707	1.2E+00	1.6E-06	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10	5.7E-01	1.7E-07	1.0E-03	1.0E-10	1.6E-01	6.7E-01	1.1E-11
708	1.2E+00	1.6E-06	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10	5.6E-01	1.7E-07	1.0E-03	1.0E-10	1.6E-01	6.7E-01	1.1E-11
709	1.2E+00	1.6E-06	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10	5.6E-01	1.7E-07	1.0E-03	9.9E-11	1.6E-01	6.7E-01	1.0E-11
710	1.2E+00	1.6E-06	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.2E-10	5.5E-01	1.7E-07	1.0E-03	9.8E-11	1.6E-01	6.7E-01	1.0E-11
711	1.2E+00	1.6E-06	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.2E-10	5.4E-01	1.7E-07	1.0E-03	9.7E-11	1.6E-01	6.7E-01	1.0E-11
712	1.3E+00	1.6E-06	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.2E-10	5.4E-01	1.7E-07	1.0E-03	9.6E-11	1.6E-01	6.7E-01	1.0E-11
713	1.3E+00	1.6E-06	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.2E-10	5.3E-01	1.7E-07	1.0E-03	9.5E-11	1.6E-01	6.7E-01	9.9E-12
714	1.3E+00	1.6E-06	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.2E-10	5.2E-01	1.7E-07	1.0E-03	9.3E-11	1.6E-01	6.7E-01	9.8E-12
715	1.3E+00	1.6E-06	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.2E-10	5.2E-01	1.7E-07	1.0E-03	9.2E-11	1.6E-01	6.7E-01	9.7E-12
716	1.3E+00	1.6E-06	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.2E-10	5.1E-01	1.7E-07	1.0E-03	9.1E-11	1.6E-01	6.7E-01	9.5E-12
717	1.2E+00	1.6E-06	1.0E-03	2.1E-09	1.6E-01	6.7E-01	2.2E-10	5.0E-01	1.7E-07	1.0E-03	8.9E-11	1.6E-01	6.7E-01	9.4E-12
718	1.2E+00	1.6E-06	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10	4.9E-01	1.7E-07	1.0E-03	8.8E-11	1.6E-01	6.7E-01	9.2E-12
719	1.2E+00	1.6E-06	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10	4.8E-01	1.7E-07	1.0E-03	8.6E-11	1.6E-01	6.7E-01	9.1E-12
720	1.2E+00	1.6E-06	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10	4.8E-01	1.7E-07	1.0E-03	8.5E-11	1.6E-01	6.7E-01	8.9E-12
721	1.2E+00	1.6E-06	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10	4.7E-01	1.7E-07	1.0E-03	8.3E-11	1.6E-01	6.7E-01	8.8E-12
722	1.2E+00	1.6E-06	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10	4.6E-01	1.7E-07	1.0E-03	8.2E-11	1.6E-01	6.7E-01	8.6E-12
723	1.1E+00	1.6E-06	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10	4.5E-01	1.7E-07	1.0E-03	8.0E-11	1.6E-01	6.7E-01	8.4E-12
724	1.1E+00	1.6E-06	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10	4.4E-01	1.7E-07	1.0E-03	7.9E-11	1.6E-01	6.7E-01	8.3E-12
725	1.1E+00	1.6E-06	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10	4.3E-01	1.7E-07	1.0E-03	7.7E-11	1.6E-01	6.7E-01	8.1E-12
726	1.1E+00	1.6E-06	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10	4.2E-01	1.7E-07	1.0E-03	7.6E-11	1.6E-01	6.7E-01	8.0E-12
727	1.0E+00	1.6E-06	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10	4.2E-01	1.7E-07	1.0E-03	7.4E-11	1.6E-01	6.7E-01	7.8E-12
728	1.0E+00	1.6E-06	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.7E-10	4.1E-01	1.7E-07	1.0E-03	7.3E-11	1.6E-01	6.7E-01	7.6E-12
729	1.0E+00	1.6E-06	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.7E-10	5.6E-01	1.7E-07	1.0E-03	1.0E-10	1.6E-01	6.7E-01	1.0E-11
730	1.0E+00	1.6E-06	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10	5.6E-01	1.7E-07	1.0E-03	9.9E-11	1.6E-01	6.7E-01	1.0E-11
731	1.1E+00	1.6E-06	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.8E-10	5.5E-01	1.7E-07	1.0E-03	9.9E-11	1.6E-01	6.7E-01	1.0E-11

Franklin School Project

Risk From Modernization Const - Mitigated Residential

	Haul Route 1A							Haul Route 2A						
Receptor #	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
732	1.1E+00	1.6E-06	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10	5.5E-01	1.7E-07	1.0E-03	9.8E-11	1.6E-01	6.7E-01	1.0E-11
733	1.1E+00	1.6E-06	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10	5.5E-01	1.7E-07	1.0E-03	9.7E-11	1.6E-01	6.7E-01	1.0E-11
734	1.1E+00	1.6E-06	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10	5.4E-01	1.7E-07	1.0E-03	9.7E-11	1.6E-01	6.7E-01	1.0E-11
735	1.1E+00	1.6E-06	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10	5.4E-01	1.7E-07	1.0E-03	9.6E-11	1.6E-01	6.7E-01	1.0E-11
736	1.2E+00	1.6E-06	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10	5.3E-01	1.7E-07	1.0E-03	9.5E-11	1.6E-01	6.7E-01	9.9E-12
737	1.2E+00	1.6E-06	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10	5.3E-01	1.7E-07	1.0E-03	9.4E-11	1.6E-01	6.7E-01	9.8E-12
738	1.2E+00	1.6E-06	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10	5.2E-01	1.7E-07	1.0E-03	9.3E-11	1.6E-01	6.7E-01	9.7E-12
739	1.2E+00	1.6E-06	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10	5.1E-01	1.7E-07	1.0E-03	9.1E-11	1.6E-01	6.7E-01	9.6E-12
740	1.2E+00	1.6E-06	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10	5.1E-01	1.7E-07	1.0E-03	9.0E-11	1.6E-01	6.7E-01	9.5E-12
741	1.2E+00	1.6E-06	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10	5.0E-01	1.7E-07	1.0E-03	8.9E-11	1.6E-01	6.7E-01	9.3E-12
742	1.2E+00	1.6E-06	1.0E-03	2.0E-09	1.6E-01	6.7E-01	2.1E-10	4.9E-01	1.7E-07	1.0E-03	8.8E-11	1.6E-01	6.7E-01	9.2E-12
743	1.2E+00	1.6E-06	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10	4.9E-01	1.7E-07	1.0E-03	8.6E-11	1.6E-01	6.7E-01	9.1E-12
744	1.2E+00	1.6E-06	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10	4.8E-01	1.7E-07	1.0E-03	8.5E-11	1.6E-01	6.7E-01	8.9E-12
745	1.2E+00	1.6E-06	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10	4.7E-01	1.7E-07	1.0E-03	8.4E-11	1.6E-01	6.7E-01	8.8E-12
746	1.1E+00	1.6E-06	1.0E-03	1.9E-09	1.6E-01	6.7E-01	2.0E-10	4.6E-01	1.7E-07	1.0E-03	8.2E-11	1.6E-01	6.7E-01	8.7E-12
747	1.1E+00	1.6E-06	1.0E-03	1.9E-09	1.6E-01	6.7E-01	1.9E-10	4.5E-01	1.7E-07	1.0E-03	8.1E-11	1.6E-01	6.7E-01	8.5E-12
748	1.1E+00	1.6E-06	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10	4.5E-01	1.7E-07	1.0E-03	8.0E-11	1.6E-01	6.7E-01	8.4E-12
749	1.1E+00	1.6E-06	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10	4.4E-01	1.7E-07	1.0E-03	7.8E-11	1.6E-01	6.7E-01	8.2E-12
750	1.1E+00	1.6E-06	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10	4.3E-01	1.7E-07	1.0E-03	7.7E-11	1.6E-01	6.7E-01	8.1E-12
751	1.0E+00	1.6E-06	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10	4.2E-01	1.7E-07	1.0E-03	7.5E-11	1.6E-01	6.7E-01	7.9E-12
752	1.0E+00	1.6E-06	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10	4.1E-01	1.7E-07	1.0E-03	7.4E-11	1.6E-01	6.7E-01	7.8E-12
753	9.8E-01	1.6E-06	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10	4.1E-01	1.7E-07	1.0E-03	7.2E-11	1.6E-01	6.7E-01	7.6E-12
754	9.6E-01	1.6E-06	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10	4.0E-01	1.7E-07	1.0E-03	7.1E-11	1.6E-01	6.7E-01	7.4E-12
755	9.4E-01	1.6E-06	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.6E-10	5.4E-01	1.7E-07	1.0E-03	9.6E-11	1.6E-01	6.7E-01	1.0E-11
756	9.7E-01	1.6E-06	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10	5.4E-01	1.7E-07	1.0E-03	9.6E-11	1.6E-01	6.7E-01	1.0E-11
757	1.0E+00	1.6E-06	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.7E-10	5.3E-01	1.7E-07	1.0E-03	9.5E-11	1.6E-01	6.7E-01	1.0E-11
758	1.0E+00	1.6E-06	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10	5.3E-01	1.7E-07	1.0E-03	9.5E-11	1.6E-01	6.7E-01	9.9E-12
759	1.0E+00	1.6E-06	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10	5.3E-01	1.7E-07	1.0E-03	9.4E-11	1.6E-01	6.7E-01	9.9E-12
760	1.1E+00	1.6E-06	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.8E-10	5.2E-01	1.7E-07	1.0E-03	9.3E-11	1.6E-01	6.7E-01	9.8E-12
761	1.1E+00	1.6E-06	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10	5.2E-01	1.7E-07	1.0E-03	9.2E-11	1.6E-01	6.7E-01	9.7E-12
762	1.1E+00	1.6E-06	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10	5.1E-01	1.7E-07	1.0E-03	9.1E-11	1.6E-01	6.7E-01	9.6E-12
763	1.1E+00	1.6E-06	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10	5.1E-01	1.7E-07	1.0E-03	9.0E-11	1.6E-01	6.7E-01	9.5E-12
764	1.1E+00	1.6E-06	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10	5.0E-01	1.7E-07	1.0E-03	8.9E-11	1.6E-01	6.7E-01	9.4E-12
765	1.1E+00	1.6E-06	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10	5.0E-01	1.7E-07	1.0E-03	8.8E-11	1.6E-01	6.7E-01	9.3E-12
766	1.1E+00	1.6E-06	1.0E-03	1.9E-09	1.6E-01	6.7E-01	1.9E-10	4.9E-01	1.7E-07	1.0E-03	8.7E-11	1.6E-01	6.7E-01	9.2E-12
767	1.1E+00	1.6E-06	1.0E-03	1.9E-09	1.6E-01	6.7E-01	1.9E-10	4.8E-01	1.7E-07	1.0E-03	8.6E-11	1.6E-01	6.7E-01	9.1E-12
768	1.1E+00	1.6E-06	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10	4.8E-01	1.7E-07	1.0E-03	8.5E-11	1.6E-01	6.7E-01	8.9E-12
769	1.1E+00	1.6E-06	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10	4.7E-01	1.7E-07	1.0E-03	8.4E-11	1.6E-01	6.7E-01	8.8E-12
770	1.1E+00	1.6E-06	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10	4.6E-01	1.7E-07	1.0E-03	8.3E-11	1.6E-01	6.7E-01	8.7E-12
771	1.1E+00	1.6E-06	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10	4.6E-01	1.7E-07	1.0E-03	8.1E-11	1.6E-01	6.7E-01	8.5E-12
772	1.1E+00	1.6E-06	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.9E-10	4.5E-01	1.7E-07	1.0E-03	8.0E-11	1.6E-01	6.7E-01	8.4E-12
773	1.1E+00	1.6E-06	1.0E-03	1.8E-09	1.6E-01	6.7E-01	1.8E-10	4.4E-01	1.7E-07	1.0E-03	7.9E-11	1.6E-01	6.7E-01	8.3E-12
774	1.0E+00	1.6E-06	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10	4.3E-01	1.7E-07	1.0E-03	7.7E-11	1.6E-01	6.7E-01	8.1E-12

Franklin School Project

Risk From Modernization Const - Mitigated Residential

	Haul Route 1A							Haul Route 2A						
Receptor #	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
775	1.0E+00	1.6E-06	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10	4.3E-01	1.7E-07	1.0E-03	7.6E-11	1.6E-01	6.7E-01	8.0E-12
776	1.0E+00	1.6E-06	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.7E-10	4.2E-01	1.7E-07	1.0E-03	7.5E-11	1.6E-01	6.7E-01	7.8E-12
777	9.8E-01	1.6E-06	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10	4.1E-01	1.7E-07	1.0E-03	7.3E-11	1.6E-01	6.7E-01	7.7E-12
778	9.6E-01	1.6E-06	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10	4.0E-01	1.7E-07	1.0E-03	7.2E-11	1.6E-01	6.7E-01	7.6E-12
779	9.4E-01	1.6E-06	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.6E-10	4.0E-01	1.7E-07	1.0E-03	7.1E-11	1.6E-01	6.7E-01	7.4E-12
780	9.2E-01	1.6E-06	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.6E-10	3.9E-01	1.7E-07	1.0E-03	6.9E-11	1.6E-01	6.7E-01	7.3E-12
781	8.9E-01	1.6E-06	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.6E-10	5.2E-01	1.7E-07	1.0E-03	9.3E-11	1.6E-01	6.7E-01	9.8E-12
782	9.2E-01	1.6E-06	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.6E-10	5.2E-01	1.7E-07	1.0E-03	9.2E-11	1.6E-01	6.7E-01	9.7E-12
783	9.4E-01	1.6E-06	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.6E-10	5.2E-01	1.7E-07	1.0E-03	9.2E-11	1.6E-01	6.7E-01	9.7E-12
784	9.6E-01	1.6E-06	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10	5.1E-01	1.7E-07	1.0E-03	9.1E-11	1.6E-01	6.7E-01	9.6E-12
785	9.8E-01	1.6E-06	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10	5.1E-01	1.7E-07	1.0E-03	9.1E-11	1.6E-01	6.7E-01	9.5E-12
786	1.0E+00	1.6E-06	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.7E-10	5.0E-01	1.7E-07	1.0E-03	9.0E-11	1.6E-01	6.7E-01	9.5E-12
787	1.0E+00	1.6E-06	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10	5.0E-01	1.7E-07	1.0E-03	8.9E-11	1.6E-01	6.7E-01	9.4E-12
788	1.0E+00	1.6E-06	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10	5.0E-01	1.7E-07	1.0E-03	8.8E-11	1.6E-01	6.7E-01	9.3E-12
789	1.0E+00	1.6E-06	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10	4.9E-01	1.7E-07	1.0E-03	8.7E-11	1.6E-01	6.7E-01	9.2E-12
790	1.0E+00	1.6E-06	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10	4.9E-01	1.7E-07	1.0E-03	8.7E-11	1.6E-01	6.7E-01	9.1E-12
791	1.1E+00	1.6E-06	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10	4.8E-01	1.7E-07	1.0E-03	8.6E-11	1.6E-01	6.7E-01	9.0E-12
792	1.1E+00	1.6E-06	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10	4.7E-01	1.7E-07	1.0E-03	8.5E-11	1.6E-01	6.7E-01	8.9E-12
793	1.1E+00	1.6E-06	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10	4.7E-01	1.7E-07	1.0E-03	8.4E-11	1.6E-01	6.7E-01	8.8E-12
794	1.1E+00	1.6E-06	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10	4.6E-01	1.7E-07	1.0E-03	8.2E-11	1.6E-01	6.7E-01	8.7E-12
795	1.0E+00	1.6E-06	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10	4.6E-01	1.7E-07	1.0E-03	8.1E-11	1.6E-01	6.7E-01	8.5E-12
796	1.0E+00	1.6E-06	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10	4.5E-01	1.7E-07	1.0E-03	8.0E-11	1.6E-01	6.7E-01	8.4E-12
797	1.0E+00	1.6E-06	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10	4.4E-01	1.7E-07	1.0E-03	7.9E-11	1.6E-01	6.7E-01	8.3E-12
798	1.0E+00	1.6E-06	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10	4.4E-01	1.7E-07	1.0E-03	7.8E-11	1.6E-01	6.7E-01	8.2E-12
799	1.0E+00	1.6E-06	1.0E-03	1.7E-09	1.6E-01	6.7E-01	1.8E-10	4.3E-01	1.7E-07	1.0E-03	7.7E-11	1.6E-01	6.7E-01	8.0E-12
800	9.9E-01	1.6E-06	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10	4.2E-01	1.7E-07	1.0E-03	7.5E-11	1.6E-01	6.7E-01	7.9E-12
801	9.7E-01	1.6E-06	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10	4.1E-01	1.7E-07	1.0E-03	7.4E-11	1.6E-01	6.7E-01	7.8E-12
802	9.6E-01	1.6E-06	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.7E-10	4.1E-01	1.7E-07	1.0E-03	7.3E-11	1.6E-01	6.7E-01	7.6E-12
803	9.4E-01	1.6E-06	1.0E-03	1.6E-09	1.6E-01	6.7E-01	1.6E-10	4.0E-01	1.7E-07	1.0E-03	7.1E-11	1.6E-01	6.7E-01	7.5E-12
804	9.2E-01	1.6E-06	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.6E-10	3.9E-01	1.7E-07	1.0E-03	7.0E-11	1.6E-01	6.7E-01	7.4E-12
805	9.0E-01	1.6E-06	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.6E-10	3.9E-01	1.7E-07	1.0E-03	6.9E-11	1.6E-01	6.7E-01	7.2E-12
806	8.8E-01	1.6E-06	1.0E-03	1.5E-09	1.6E-01	6.7E-01	1.5E-10	3.8E-01	1.7E-07	1.0E-03	6.8E-11	1.6E-01	6.7E-01	7.1E-12

Risk From Modernization AC - Mitigated Residential

Franklin School Project
Risk From Modernization AC - Mitigated Residential

	0.24	Max					Onsite		
Receptor #	**Total/ Million**	**Total**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
1	0.00	1.5E-09	2.3E-01	1.5E-04	1.0E-03	3.6E-08	1.6E-01	2.7E-01	1.5E-09
2	0.00	1.7E-09	2.5E-01	1.5E-04	1.0E-03	3.9E-08	1.6E-01	2.7E-01	1.7E-09
3	0.00	1.9E-09	2.7E-01	1.5E-04	1.0E-03	4.3E-08	1.6E-01	2.7E-01	1.9E-09
4	0.00	2.0E-09	3.0E-01	1.5E-04	1.0E-03	4.7E-08	1.6E-01	2.7E-01	2.0E-09
5	0.00	2.2E-09	3.2E-01	1.5E-04	1.0E-03	5.1E-08	1.6E-01	2.7E-01	2.2E-09
6	0.00	2.3E-09	3.5E-01	1.5E-04	1.0E-03	5.4E-08	1.6E-01	2.7E-01	2.3E-09
7	0.00	2.5E-09	3.7E-01	1.5E-04	1.0E-03	5.8E-08	1.6E-01	2.7E-01	2.5E-09
8	0.00	2.6E-09	3.9E-01	1.5E-04	1.0E-03	6.1E-08	1.6E-01	2.7E-01	2.6E-09
9	0.00	2.8E-09	4.1E-01	1.5E-04	1.0E-03	6.5E-08	1.6E-01	2.7E-01	2.8E-09
10	0.00	3.0E-09	4.4E-01	1.5E-04	1.0E-03	6.9E-08	1.6E-01	2.7E-01	3.0E-09
11	0.00	3.2E-09	4.7E-01	1.5E-04	1.0E-03	7.4E-08	1.6E-01	2.7E-01	3.2E-09
12	0.00	3.4E-09	5.0E-01	1.5E-04	1.0E-03	7.8E-08	1.6E-01	2.7E-01	3.4E-09
13	0.00	3.5E-09	5.2E-01	1.5E-04	1.0E-03	8.2E-08	1.6E-01	2.7E-01	3.5E-09
14	0.00	3.6E-09	5.4E-01	1.5E-04	1.0E-03	8.4E-08	1.6E-01	2.7E-01	3.6E-09
15	0.00	3.7E-09	5.4E-01	1.5E-04	1.0E-03	8.5E-08	1.6E-01	2.7E-01	3.7E-09
16	0.00	3.6E-09	5.3E-01	1.5E-04	1.0E-03	8.4E-08	1.6E-01	2.7E-01	3.6E-09
17	0.00	1.8E-09	2.6E-01	1.5E-04	1.0E-03	4.1E-08	1.6E-01	2.7E-01	1.8E-09
18	0.00	2.0E-09	2.9E-01	1.5E-04	1.0E-03	4.6E-08	1.6E-01	2.7E-01	2.0E-09
19	0.00	2.2E-09	3.2E-01	1.5E-04	1.0E-03	5.1E-08	1.6E-01	2.7E-01	2.2E-09
20	0.00	2.4E-09	3.6E-01	1.5E-04	1.0E-03	5.6E-08	1.6E-01	2.7E-01	2.4E-09
21	0.00	2.7E-09	3.9E-01	1.5E-04	1.0E-03	6.2E-08	1.6E-01	2.7E-01	2.7E-09
22	0.00	2.9E-09	4.3E-01	1.5E-04	1.0E-03	6.7E-08	1.6E-01	2.7E-01	2.9E-09
23	0.00	3.1E-09	4.6E-01	1.5E-04	1.0E-03	7.2E-08	1.6E-01	2.7E-01	3.1E-09
24	0.00	3.3E-09	4.9E-01	1.5E-04	1.0E-03	7.7E-08	1.6E-01	2.7E-01	3.3E-09
25	0.00	3.6E-09	5.3E-01	1.5E-04	1.0E-03	8.2E-08	1.6E-01	2.7E-01	3.6E-09
26	0.00	3.8E-09	5.7E-01	1.5E-04	1.0E-03	8.9E-08	1.6E-01	2.7E-01	3.8E-09
27	0.00	4.1E-09	6.1E-01	1.5E-04	1.0E-03	9.6E-08	1.6E-01	2.7E-01	4.1E-09
28	0.00	4.4E-09	6.5E-01	1.5E-04	1.0E-03	1.0E-07	1.6E-01	2.7E-01	4.4E-09
29	0.00	4.5E-09	6.7E-01	1.5E-04	1.0E-03	1.1E-07	1.6E-01	2.7E-01	4.5E-09
30	0.00	4.6E-09	6.8E-01	1.5E-04	1.0E-03	1.1E-07	1.6E-01	2.7E-01	4.6E-09
31	0.00	4.5E-09	6.7E-01	1.5E-04	1.0E-03	1.1E-07	1.6E-01	2.7E-01	4.5E-09
32	0.00	4.4E-09	6.5E-01	1.5E-04	1.0E-03	1.0E-07	1.6E-01	2.7E-01	4.4E-09
33	0.00	2.0E-09	3.0E-01	1.5E-04	1.0E-03	4.7E-08	1.6E-01	2.7E-01	2.0E-09
34	0.00	2.3E-09	3.4E-01	1.5E-04	1.0E-03	5.3E-08	1.6E-01	2.7E-01	2.3E-09
35	0.00	2.6E-09	3.9E-01	1.5E-04	1.0E-03	6.1E-08	1.6E-01	2.7E-01	2.6E-09
36	0.00	3.0E-09	4.4E-01	1.5E-04	1.0E-03	6.9E-08	1.6E-01	2.7E-01	3.0E-09
37	0.00	3.3E-09	4.9E-01	1.5E-04	1.0E-03	7.7E-08	1.6E-01	2.7E-01	3.3E-09
38	0.00	3.6E-09	5.4E-01	1.5E-04	1.0E-03	8.4E-08	1.6E-01	2.7E-01	3.6E-09
39	0.00	4.0E-09	5.9E-01	1.5E-04	1.0E-03	9.2E-08	1.6E-01	2.7E-01	4.0E-09

40	0.00	4.3E-09	6.4E-01	1.5E-04	1.0E-03	1.0E-07	1.6E-01	2.7E-01	4.3E-09
41	0.00	4.7E-09	6.9E-01	1.5E-04	1.0E-03	1.1E-07	1.6E-01	2.7E-01	4.7E-09
42	0.01	5.1E-09	7.6E-01	1.5E-04	1.0E-03	1.2E-07	1.6E-01	2.7E-01	5.1E-09
43	0.01	5.5E-09	8.2E-01	1.5E-04	1.0E-03	1.3E-07	1.6E-01	2.7E-01	5.5E-09
44	0.01	5.8E-09	8.6E-01	1.5E-04	1.0E-03	1.3E-07	1.6E-01	2.7E-01	5.8E-09
45	0.01	5.9E-09	8.8E-01	1.5E-04	1.0E-03	1.4E-07	1.6E-01	2.7E-01	5.9E-09
46	0.01	5.8E-09	8.6E-01	1.5E-04	1.0E-03	1.4E-07	1.6E-01	2.7E-01	5.8E-09
47	0.01	5.6E-09	8.3E-01	1.5E-04	1.0E-03	1.3E-07	1.6E-01	2.7E-01	5.6E-09
48	0.01	5.2E-09	7.8E-01	1.5E-04	1.0E-03	1.2E-07	1.6E-01	2.7E-01	5.2E-09
49	0.00	2.3E-09	3.4E-01	1.5E-04	1.0E-03	5.4E-08	1.6E-01	2.7E-01	2.3E-09
50	0.00	2.7E-09	4.0E-01	1.5E-04	1.0E-03	6.3E-08	1.6E-01	2.7E-01	2.7E-09
51	0.00	3.2E-09	4.7E-01	1.5E-04	1.0E-03	7.3E-08	1.6E-01	2.7E-01	3.2E-09
52	0.00	3.7E-09	5.4E-01	1.5E-04	1.0E-03	8.5E-08	1.6E-01	2.7E-01	3.7E-09
53	0.00	4.2E-09	6.2E-01	1.5E-04	1.0E-03	9.8E-08	1.6E-01	2.7E-01	4.2E-09
54	0.00	4.8E-09	7.1E-01	1.5E-04	1.0E-03	1.1E-07	1.6E-01	2.7E-01	4.8E-09
55	0.01	5.3E-09	7.8E-01	1.5E-04	1.0E-03	1.2E-07	1.6E-01	2.7E-01	5.3E-09
56	0.01	5.8E-09	8.6E-01	1.5E-04	1.0E-03	1.4E-07	1.6E-01	2.7E-01	5.8E-09
57	0.01	6.5E-09	9.6E-01	1.5E-04	1.0E-03	1.5E-07	1.6E-01	2.7E-01	6.5E-09
58	0.01	7.2E-09	1.1E+00	1.5E-04	1.0E-03	1.7E-07	1.6E-01	2.7E-01	7.2E-09
59	0.01	7.7E-09	1.1E+00	1.5E-04	1.0E-03	1.8E-07	1.6E-01	2.7E-01	7.7E-09
60	0.01	7.9E-09	1.2E+00	1.5E-04	1.0E-03	1.8E-07	1.6E-01	2.7E-01	7.9E-09
61	0.01	7.8E-09	1.2E+00	1.5E-04	1.0E-03	1.8E-07	1.6E-01	2.7E-01	7.8E-09
62	0.01	7.4E-09	1.1E+00	1.5E-04	1.0E-03	1.7E-07	1.6E-01	2.7E-01	7.4E-09
63	0.01	6.8E-09	1.0E+00	1.5E-04	1.0E-03	1.6E-07	1.6E-01	2.7E-01	6.8E-09
64	0.01	6.2E-09	9.2E-01	1.5E-04	1.0E-03	1.4E-07	1.6E-01	2.7E-01	6.2E-09
65	0.00	2.7E-09	4.0E-01	1.5E-04	1.0E-03	6.2E-08	1.6E-01	2.7E-01	2.7E-09
66	0.00	3.2E-09	4.7E-01	1.5E-04	1.0E-03	7.4E-08	1.6E-01	2.7E-01	3.2E-09
67	0.00	3.9E-09	5.7E-01	1.5E-04	1.0E-03	9.0E-08	1.6E-01	2.7E-01	3.9E-09
68	0.00	4.7E-09	6.9E-01	1.5E-04	1.0E-03	1.1E-07	1.6E-01	2.7E-01	4.7E-09
69	0.01	5.6E-09	8.3E-01	1.5E-04	1.0E-03	1.3E-07	1.6E-01	2.7E-01	5.6E-09
70	0.01	6.5E-09	9.7E-01	1.5E-04	1.0E-03	1.5E-07	1.6E-01	2.7E-01	6.5E-09
71	0.01	7.5E-09	1.1E+00	1.5E-04	1.0E-03	1.7E-07	1.6E-01	2.7E-01	7.5E-09
72	0.01	8.5E-09	1.3E+00	1.5E-04	1.0E-03	2.0E-07	1.6E-01	2.7E-01	8.5E-09
73	0.01	9.7E-09	1.4E+00	1.5E-04	1.0E-03	2.2E-07	1.6E-01	2.7E-01	9.7E-09
74	0.01	1.1E-08	1.6E+00	1.5E-04	1.0E-03	2.5E-07	1.6E-01	2.7E-01	1.1E-08
75	0.01	1.1E-08	1.7E+00	1.5E-04	1.0E-03	2.6E-07	1.6E-01	2.7E-01	1.1E-08
76	0.01	1.1E-08	1.6E+00	1.5E-04	1.0E-03	2.6E-07	1.6E-01	2.7E-01	1.1E-08
77	0.01	1.0E-08	1.5E+00	1.5E-04	1.0E-03	2.4E-07	1.6E-01	2.7E-01	1.0E-08
78	0.01	9.3E-09	1.4E+00	1.5E-04	1.0E-03	2.2E-07	1.6E-01	2.7E-01	9.3E-09
79	0.01	8.2E-09	1.2E+00	1.5E-04	1.0E-03	1.9E-07	1.6E-01	2.7E-01	8.2E-09
80	0.01	7.1E-09	1.1E+00	1.5E-04	1.0E-03	1.6E-07	1.6E-01	2.7E-01	7.1E-09
81	0.00	3.1E-09	4.5E-01	1.5E-04	1.0E-03	7.1E-08	1.6E-01	2.7E-01	3.1E-09
82	0.00	3.8E-09	5.6E-01	1.5E-04	1.0E-03	8.8E-08	1.6E-01	2.7E-01	3.8E-09
83	0.00	4.8E-09	7.0E-01	1.5E-04	1.0E-03	1.1E-07	1.6E-01	2.7E-01	4.8E-09
84	0.01	6.0E-09	8.9E-01	1.5E-04	1.0E-03	1.4E-07	1.6E-01	2.7E-01	6.0E-09
85	0.01	7.7E-09	1.1E+00	1.5E-04	1.0E-03	1.8E-07	1.6E-01	2.7E-01	7.7E-09

86	0.01	9.5E-09	1.4E+00	1.5E-04	1.0E-03	2.2E-07	1.6E-01	2.7E-01	9.5E-09
87	0.01	1.1E-08	1.7E+00	1.5E-04	1.0E-03	2.7E-07	1.6E-01	2.7E-01	1.1E-08
88	0.01	1.4E-08	2.0E+00	1.5E-04	1.0E-03	3.1E-07	1.6E-01	2.7E-01	1.4E-08
89	0.02	1.6E-08	2.3E+00	1.5E-04	1.0E-03	3.7E-07	1.6E-01	2.7E-01	1.6E-08
90	0.02	1.7E-08	2.5E+00	1.5E-04	1.0E-03	4.0E-07	1.6E-01	2.7E-01	1.7E-08
91	0.02	1.7E-08	2.5E+00	1.5E-04	1.0E-03	3.9E-07	1.6E-01	2.7E-01	1.7E-08
92	0.02	1.5E-08	2.2E+00	1.5E-04	1.0E-03	3.5E-07	1.6E-01	2.7E-01	1.5E-08
93	0.01	1.3E-08	2.0E+00	1.5E-04	1.0E-03	3.1E-07	1.6E-01	2.7E-01	1.3E-08
94	0.01	1.1E-08	1.7E+00	1.5E-04	1.0E-03	2.6E-07	1.6E-01	2.7E-01	1.1E-08
95	0.01	9.4E-09	1.4E+00	1.5E-04	1.0E-03	2.2E-07	1.6E-01	2.7E-01	9.4E-09
96	0.01	7.8E-09	1.2E+00	1.5E-04	1.0E-03	1.8E-07	1.6E-01	2.7E-01	7.8E-09
97	0.00	3.4E-09	5.1E-01	1.5E-04	1.0E-03	8.0E-08	1.6E-01	2.7E-01	3.4E-09
98	0.00	4.4E-09	6.5E-01	1.5E-04	1.0E-03	1.0E-07	1.6E-01	2.7E-01	4.4E-09
99	0.01	5.8E-09	8.6E-01	1.5E-04	1.0E-03	1.4E-07	1.6E-01	2.7E-01	5.8E-09
100	0.01	7.9E-09	1.2E+00	1.5E-04	1.0E-03	1.8E-07	1.6E-01	2.7E-01	7.9E-09
101	0.01	1.1E-08	1.6E+00	1.5E-04	1.0E-03	2.5E-07	1.6E-01	2.7E-01	1.1E-08
102	0.02	1.5E-08	2.2E+00	1.5E-04	1.0E-03	3.5E-07	1.6E-01	2.7E-01	1.5E-08
103	0.02	2.0E-08	3.0E+00	1.5E-04	1.0E-03	4.7E-07	1.6E-01	2.7E-01	2.0E-08
104	0.03	2.5E-08	3.8E+00	1.5E-04	1.0E-03	5.9E-07	1.6E-01	2.7E-01	2.5E-08
105	0.03	2.9E-08	4.4E+00	1.5E-04	1.0E-03	6.8E-07	1.6E-01	2.7E-01	2.9E-08
106	0.03	2.8E-08	4.2E+00	1.5E-04	1.0E-03	6.6E-07	1.6E-01	2.7E-01	2.8E-08
107	0.02	2.4E-08	3.6E+00	1.5E-04	1.0E-03	5.7E-07	1.6E-01	2.7E-01	2.4E-08
108	0.02	2.0E-08	3.0E+00	1.5E-04	1.0E-03	4.7E-07	1.6E-01	2.7E-01	2.0E-08
109	0.02	1.6E-08	2.4E+00	1.5E-04	1.0E-03	3.7E-07	1.6E-01	2.7E-01	1.6E-08
110	0.01	1.3E-08	1.9E+00	1.5E-04	1.0E-03	3.0E-07	1.6E-01	2.7E-01	1.3E-08
111	0.01	1.0E-08	1.5E+00	1.5E-04	1.0E-03	2.4E-07	1.6E-01	2.7E-01	1.0E-08
112	0.01	8.2E-09	1.2E+00	1.5E-04	1.0E-03	1.9E-07	1.6E-01	2.7E-01	8.2E-09
113	0.00	3.8E-09	5.6E-01	1.5E-04	1.0E-03	8.9E-08	1.6E-01	2.7E-01	3.8E-09
114	0.01	5.1E-09	7.5E-01	1.5E-04	1.0E-03	1.2E-07	1.6E-01	2.7E-01	5.1E-09
115	0.01	7.0E-09	1.0E+00	1.5E-04	1.0E-03	1.6E-07	1.6E-01	2.7E-01	7.0E-09
116	0.01	1.0E-08	1.5E+00	1.5E-04	1.0E-03	2.4E-07	1.6E-01	2.7E-01	1.0E-08
117	0.02	1.6E-08	2.4E+00	1.5E-04	1.0E-03	3.7E-07	1.6E-01	2.7E-01	1.6E-08
118	0.05	4.6E-08	6.8E+00	1.5E-04	1.0E-03	1.1E-06	1.6E-01	2.7E-01	4.6E-08
119	0.03	3.4E-08	5.0E+00	1.5E-04	1.0E-03	7.8E-07	1.6E-01	2.7E-01	3.4E-08
120	0.02	2.4E-08	3.6E+00	1.5E-04	1.0E-03	5.7E-07	1.6E-01	2.7E-01	2.4E-08
121	0.02	1.8E-08	2.7E+00	1.5E-04	1.0E-03	4.2E-07	1.6E-01	2.7E-01	1.8E-08
122	0.01	1.4E-08	2.0E+00	1.5E-04	1.0E-03	3.2E-07	1.6E-01	2.7E-01	1.4E-08
123	0.01	1.0E-08	1.5E+00	1.5E-04	1.0E-03	2.4E-07	1.6E-01	2.7E-01	1.0E-08
124	0.01	8.2E-09	1.2E+00	1.5E-04	1.0E-03	1.9E-07	1.6E-01	2.7E-01	8.2E-09
125	0.00	4.1E-09	6.1E-01	1.5E-04	1.0E-03	9.5E-08	1.6E-01	2.7E-01	4.1E-09
126	0.01	5.6E-09	8.2E-01	1.5E-04	1.0E-03	1.3E-07	1.6E-01	2.7E-01	5.6E-09
127	0.01	8.0E-09	1.2E+00	1.5E-04	1.0E-03	1.9E-07	1.6E-01	2.7E-01	8.0E-09
128	0.01	1.3E-08	1.9E+00	1.5E-04	1.0E-03	2.9E-07	1.6E-01	2.7E-01	1.3E-08
129	0.02	2.2E-08	3.2E+00	1.5E-04	1.0E-03	5.1E-07	1.6E-01	2.7E-01	2.2E-08
130	0.07	6.5E-08	9.6E+00	1.5E-04	1.0E-03	1.5E-06	1.6E-01	2.7E-01	6.5E-08
131	0.04	4.0E-08	5.9E+00	1.5E-04	1.0E-03	9.3E-07	1.6E-01	2.7E-01	4.0E-08

132	0.03	2.6E-08	3.9E+00	1.5E-04	1.0E-03	6.1E-07	1.6E-01	2.7E-01	2.6E-08
133	0.02	1.8E-08	2.7E+00	1.5E-04	1.0E-03	4.3E-07	1.6E-01	2.7E-01	1.8E-08
134	0.01	1.3E-08	2.0E+00	1.5E-04	1.0E-03	3.1E-07	1.6E-01	2.7E-01	1.3E-08
135	0.01	1.0E-08	1.5E+00	1.5E-04	1.0E-03	2.3E-07	1.6E-01	2.7E-01	1.0E-08
136	0.01	7.7E-09	1.1E+00	1.5E-04	1.0E-03	1.8E-07	1.6E-01	2.7E-01	7.7E-09
137	0.00	4.2E-09	6.3E-01	1.5E-04	1.0E-03	9.8E-08	1.6E-01	2.7E-01	4.2E-09
138	0.01	5.8E-09	8.6E-01	1.5E-04	1.0E-03	1.4E-07	1.6E-01	2.7E-01	5.8E-09
139	0.01	8.5E-09	1.3E+00	1.5E-04	1.0E-03	2.0E-07	1.6E-01	2.7E-01	8.5E-09
140	0.01	1.4E-08	2.0E+00	1.5E-04	1.0E-03	3.2E-07	1.6E-01	2.7E-01	1.4E-08
141	0.03	2.5E-08	3.7E+00	1.5E-04	1.0E-03	5.8E-07	1.6E-01	2.7E-01	2.5E-08
142	0.07	7.0E-08	1.0E+01	1.5E-04	1.0E-03	1.6E-06	1.6E-01	2.7E-01	7.0E-08
143	0.04	3.9E-08	5.8E+00	1.5E-04	1.0E-03	9.1E-07	1.6E-01	2.7E-01	3.9E-08
144	0.02	2.4E-08	3.6E+00	1.5E-04	1.0E-03	5.7E-07	1.6E-01	2.7E-01	2.4E-08
145	0.02	1.7E-08	2.5E+00	1.5E-04	1.0E-03	3.9E-07	1.6E-01	2.7E-01	1.7E-08
146	0.01	1.2E-08	1.8E+00	1.5E-04	1.0E-03	2.8E-07	1.6E-01	2.7E-01	1.2E-08
147	0.01	9.0E-09	1.3E+00	1.5E-04	1.0E-03	2.1E-07	1.6E-01	2.7E-01	9.0E-09
148	0.01	7.0E-09	1.0E+00	1.5E-04	1.0E-03	1.6E-07	1.6E-01	2.7E-01	7.0E-09
149	0.00	4.2E-09	6.2E-01	1.5E-04	1.0E-03	9.8E-08	1.6E-01	2.7E-01	4.2E-09
150	0.01	5.7E-09	8.4E-01	1.5E-04	1.0E-03	1.3E-07	1.6E-01	2.7E-01	5.7E-09
151	0.01	8.3E-09	1.2E+00	1.5E-04	1.0E-03	1.9E-07	1.6E-01	2.7E-01	8.3E-09
152	0.01	1.3E-08	2.0E+00	1.5E-04	1.0E-03	3.1E-07	1.6E-01	2.7E-01	1.3E-08
153	0.02	2.4E-08	3.6E+00	1.5E-04	1.0E-03	5.6E-07	1.6E-01	2.7E-01	2.4E-08
154	0.06	6.3E-08	9.4E+00	1.5E-04	1.0E-03	1.5E-06	1.6E-01	2.7E-01	6.3E-08
155	0.03	3.3E-08	4.9E+00	1.5E-04	1.0E-03	7.7E-07	1.6E-01	2.7E-01	3.3E-08
156	0.02	2.0E-08	3.0E+00	1.5E-04	1.0E-03	4.7E-07	1.6E-01	2.7E-01	2.0E-08
157	0.01	1.4E-08	2.1E+00	1.5E-04	1.0E-03	3.4E-07	1.6E-01	2.7E-01	1.4E-08
158	0.01	1.0E-08	1.5E+00	1.5E-04	1.0E-03	2.4E-07	1.6E-01	2.7E-01	1.0E-08
159	0.01	7.9E-09	1.2E+00	1.5E-04	1.0E-03	1.8E-07	1.6E-01	2.7E-01	7.9E-09
160	0.01	6.1E-09	9.1E-01	1.5E-04	1.0E-03	1.4E-07	1.6E-01	2.7E-01	6.1E-09
161	0.00	4.0E-09	5.9E-01	1.5E-04	1.0E-03	9.2E-08	1.6E-01	2.7E-01	4.0E-09
162	0.01	5.3E-09	7.9E-01	1.5E-04	1.0E-03	1.2E-07	1.6E-01	2.7E-01	5.3E-09
163	0.01	7.5E-09	1.1E+00	1.5E-04	1.0E-03	1.7E-07	1.6E-01	2.7E-01	7.5E-09
164	0.01	1.1E-08	1.7E+00	1.5E-04	1.0E-03	2.7E-07	1.6E-01	2.7E-01	1.1E-08
165	0.02	2.0E-08	3.0E+00	1.5E-04	1.0E-03	4.6E-07	1.6E-01	2.7E-01	2.0E-08
166	0.04	4.1E-08	6.1E+00	1.5E-04	1.0E-03	9.5E-07	1.6E-01	2.7E-01	4.1E-08
167	0.10	1.0E-07	1.5E+01	1.5E-04	1.0E-03	2.4E-06	1.6E-01	2.7E-01	1.0E-07
168	0.16	1.6E-07	2.3E+01	1.5E-04	1.0E-03	3.7E-06	1.6E-01	2.7E-01	1.6E-07
169	0.08	8.3E-08	1.2E+01	1.5E-04	1.0E-03	1.9E-06	1.6E-01	2.7E-01	8.3E-08
170	0.04	4.3E-08	6.4E+00	1.5E-04	1.0E-03	1.0E-06	1.6E-01	2.7E-01	4.3E-08
171	0.03	2.6E-08	3.8E+00	1.5E-04	1.0E-03	6.0E-07	1.6E-01	2.7E-01	2.6E-08
172	0.02	1.6E-08	2.3E+00	1.5E-04	1.0E-03	3.7E-07	1.6E-01	2.7E-01	1.6E-08
173	0.01	1.1E-08	1.7E+00	1.5E-04	1.0E-03	2.6E-07	1.6E-01	2.7E-01	1.1E-08
174	0.01	8.8E-09	1.3E+00	1.5E-04	1.0E-03	2.0E-07	1.6E-01	2.7E-01	8.8E-09
175	0.01	6.8E-09	1.0E+00	1.5E-04	1.0E-03	1.6E-07	1.6E-01	2.7E-01	6.8E-09
176	0.01	5.3E-09	7.9E-01	1.5E-04	1.0E-03	1.2E-07	1.6E-01	2.7E-01	5.3E-09
177	0.00	3.7E-09	5.4E-01	1.5E-04	1.0E-03	8.5E-08	1.6E-01	2.7E-01	3.7E-09

178	0.00	4.8E-09	7.1E-01	1.5E-04	1.0E-03	1.1E-07	1.6E-01	2.7E-01	4.8E-09
179	0.01	6.5E-09	9.6E-01	1.5E-04	1.0E-03	1.5E-07	1.6E-01	2.7E-01	6.5E-09
180	0.01	9.4E-09	1.4E+00	1.5E-04	1.0E-03	2.2E-07	1.6E-01	2.7E-01	9.4E-09
181	0.01	1.5E-08	2.2E+00	1.5E-04	1.0E-03	3.4E-07	1.6E-01	2.7E-01	1.5E-08
182	0.02	2.5E-08	3.7E+00	1.5E-04	1.0E-03	5.7E-07	1.6E-01	2.7E-01	2.5E-08
183	0.04	4.0E-08	6.0E+00	1.5E-04	1.0E-03	9.4E-07	1.6E-01	2.7E-01	4.0E-08
184	0.05	5.1E-08	7.5E+00	1.5E-04	1.0E-03	1.2E-06	1.6E-01	2.7E-01	5.1E-08
185	0.04	4.2E-08	6.3E+00	1.5E-04	1.0E-03	9.8E-07	1.6E-01	2.7E-01	4.2E-08
186	0.03	2.9E-08	4.2E+00	1.5E-04	1.0E-03	6.6E-07	1.6E-01	2.7E-01	2.9E-08
187	0.02	1.9E-08	2.9E+00	1.5E-04	1.0E-03	4.5E-07	1.6E-01	2.7E-01	1.9E-08
188	0.01	1.4E-08	2.0E+00	1.5E-04	1.0E-03	3.1E-07	1.6E-01	2.7E-01	1.4E-08
189	0.01	9.3E-09	1.4E+00	1.5E-04	1.0E-03	2.2E-07	1.6E-01	2.7E-01	9.3E-09
190	0.01	7.4E-09	1.1E+00	1.5E-04	1.0E-03	1.7E-07	1.6E-01	2.7E-01	7.4E-09
191	0.01	5.9E-09	8.7E-01	1.5E-04	1.0E-03	1.4E-07	1.6E-01	2.7E-01	5.9E-09
192	0.00	4.7E-09	7.0E-01	1.5E-04	1.0E-03	1.1E-07	1.6E-01	2.7E-01	4.7E-09
193	0.00	3.3E-09	4.9E-01	1.5E-04	1.0E-03	7.7E-08	1.6E-01	2.7E-01	3.3E-09
194	0.00	4.2E-09	6.2E-01	1.5E-04	1.0E-03	9.8E-08	1.6E-01	2.7E-01	4.2E-09
195	0.01	5.5E-09	8.2E-01	1.5E-04	1.0E-03	1.3E-07	1.6E-01	2.7E-01	5.5E-09
196	0.01	7.6E-09	1.1E+00	1.5E-04	1.0E-03	1.8E-07	1.6E-01	2.7E-01	7.6E-09
197	0.01	1.1E-08	1.6E+00	1.5E-04	1.0E-03	2.5E-07	1.6E-01	2.7E-01	1.1E-08
198	0.02	1.6E-08	2.3E+00	1.5E-04	1.0E-03	3.6E-07	1.6E-01	2.7E-01	1.6E-08
199	0.02	2.2E-08	3.2E+00	1.5E-04	1.0E-03	5.0E-07	1.6E-01	2.7E-01	2.2E-08
200	0.03	2.5E-08	3.8E+00	1.5E-04	1.0E-03	5.9E-07	1.6E-01	2.7E-01	2.5E-08
201	0.02	2.4E-08	3.6E+00	1.5E-04	1.0E-03	5.6E-07	1.6E-01	2.7E-01	2.4E-08
202	0.02	1.9E-08	2.8E+00	1.5E-04	1.0E-03	4.5E-07	1.6E-01	2.7E-01	1.9E-08
203	0.01	1.4E-08	2.1E+00	1.5E-04	1.0E-03	3.2E-07	1.6E-01	2.7E-01	1.4E-08
204	0.01	1.1E-08	1.6E+00	1.5E-04	1.0E-03	2.5E-07	1.6E-01	2.7E-01	1.1E-08
205	0.01	8.1E-09	1.2E+00	1.5E-04	1.0E-03	1.9E-07	1.6E-01	2.7E-01	8.1E-09
206	0.01	6.1E-09	9.0E-01	1.5E-04	1.0E-03	1.4E-07	1.6E-01	2.7E-01	6.1E-09
207	0.01	5.2E-09	7.7E-01	1.5E-04	1.0E-03	1.2E-07	1.6E-01	2.7E-01	5.2E-09
208	0.00	4.3E-09	6.3E-01	1.5E-04	1.0E-03	9.9E-08	1.6E-01	2.7E-01	4.3E-09
209	0.00	2.9E-09	4.4E-01	1.5E-04	1.0E-03	6.9E-08	1.6E-01	2.7E-01	2.9E-09
210	0.00	3.7E-09	5.4E-01	1.5E-04	1.0E-03	8.5E-08	1.6E-01	2.7E-01	3.7E-09
211	0.00	4.6E-09	6.9E-01	1.5E-04	1.0E-03	1.1E-07	1.6E-01	2.7E-01	4.6E-09
212	0.01	6.1E-09	9.0E-01	1.5E-04	1.0E-03	1.4E-07	1.6E-01	2.7E-01	6.1E-09
213	0.01	8.1E-09	1.2E+00	1.5E-04	1.0E-03	1.9E-07	1.6E-01	2.7E-01	8.1E-09
214	0.01	1.1E-08	1.6E+00	1.5E-04	1.0E-03	2.5E-07	1.6E-01	2.7E-01	1.1E-08
215	0.01	1.4E-08	2.0E+00	1.5E-04	1.0E-03	3.1E-07	1.6E-01	2.7E-01	1.4E-08
216	0.02	1.5E-08	2.3E+00	1.5E-04	1.0E-03	3.5E-07	1.6E-01	2.7E-01	1.5E-08
217	0.02	1.5E-08	2.3E+00	1.5E-04	1.0E-03	3.5E-07	1.6E-01	2.7E-01	1.5E-08
218	0.01	1.3E-08	2.0E+00	1.5E-04	1.0E-03	3.1E-07	1.6E-01	2.7E-01	1.3E-08
219	0.01	1.1E-08	1.7E+00	1.5E-04	1.0E-03	2.6E-07	1.6E-01	2.7E-01	1.1E-08
220	0.01	9.2E-09	1.4E+00	1.5E-04	1.0E-03	2.1E-07	1.6E-01	2.7E-01	9.2E-09
221	0.01	7.3E-09	1.1E+00	1.5E-04	1.0E-03	1.7E-07	1.6E-01	2.7E-01	7.3E-09
222	0.01	5.4E-09	8.0E-01	1.5E-04	1.0E-03	1.2E-07	1.6E-01	2.7E-01	5.4E-09
223	0.00	4.4E-09	6.5E-01	1.5E-04	1.0E-03	1.0E-07	1.6E-01	2.7E-01	4.4E-09

224	0.00	3.9E-09	5.7E-01	1.5E-04	1.0E-03	9.0E-08	1.6E-01	2.7E-01	3.9E-09
225	0.00	2.6E-09	3.9E-01	1.5E-04	1.0E-03	6.1E-08	1.6E-01	2.7E-01	2.6E-09
226	0.00	3.2E-09	4.7E-01	1.5E-04	1.0E-03	7.4E-08	1.6E-01	2.7E-01	3.2E-09
227	0.00	3.9E-09	5.8E-01	1.5E-04	1.0E-03	9.1E-08	1.6E-01	2.7E-01	3.9E-09
228	0.00	4.9E-09	7.3E-01	1.5E-04	1.0E-03	1.1E-07	1.6E-01	2.7E-01	4.9E-09
229	0.01	6.2E-09	9.2E-01	1.5E-04	1.0E-03	1.4E-07	1.6E-01	2.7E-01	6.2E-09
230	0.01	7.8E-09	1.2E+00	1.5E-04	1.0E-03	1.8E-07	1.6E-01	2.7E-01	7.8E-09
231	0.01	9.3E-09	1.4E+00	1.5E-04	1.0E-03	2.2E-07	1.6E-01	2.7E-01	9.3E-09
232	0.01	1.0E-08	1.5E+00	1.5E-04	1.0E-03	2.4E-07	1.6E-01	2.7E-01	1.0E-08
233	0.01	1.1E-08	1.6E+00	1.5E-04	1.0E-03	2.5E-07	1.6E-01	2.7E-01	1.1E-08
234	0.01	9.9E-09	1.5E+00	1.5E-04	1.0E-03	2.3E-07	1.6E-01	2.7E-01	9.9E-09
235	0.01	8.8E-09	1.3E+00	1.5E-04	1.0E-03	2.0E-07	1.6E-01	2.7E-01	8.8E-09
236	0.01	7.5E-09	1.1E+00	1.5E-04	1.0E-03	1.7E-07	1.6E-01	2.7E-01	7.5E-09
237	0.01	6.2E-09	9.2E-01	1.5E-04	1.0E-03	1.4E-07	1.6E-01	2.7E-01	6.2E-09
238	0.01	5.1E-09	7.6E-01	1.5E-04	1.0E-03	1.2E-07	1.6E-01	2.7E-01	5.1E-09
239	0.00	3.9E-09	5.8E-01	1.5E-04	1.0E-03	9.1E-08	1.6E-01	2.7E-01	3.9E-09
240	0.00	3.3E-09	4.9E-01	1.5E-04	1.0E-03	7.6E-08	1.6E-01	2.7E-01	3.3E-09
241	0.00	2.3E-09	3.4E-01	1.5E-04	1.0E-03	5.3E-08	1.6E-01	2.7E-01	2.3E-09
242	0.00	2.7E-09	4.0E-01	1.5E-04	1.0E-03	6.3E-08	1.6E-01	2.7E-01	2.7E-09
243	0.00	3.3E-09	4.9E-01	1.5E-04	1.0E-03	7.6E-08	1.6E-01	2.7E-01	3.3E-09
244	0.00	4.0E-09	5.9E-01	1.5E-04	1.0E-03	9.3E-08	1.6E-01	2.7E-01	4.0E-09
245	0.00	4.9E-09	7.2E-01	1.5E-04	1.0E-03	1.1E-07	1.6E-01	2.7E-01	4.9E-09
246	0.01	5.9E-09	8.7E-01	1.5E-04	1.0E-03	1.4E-07	1.6E-01	2.7E-01	5.9E-09
247	0.01	6.8E-09	1.0E+00	1.5E-04	1.0E-03	1.6E-07	1.6E-01	2.7E-01	6.8E-09
248	0.01	7.5E-09	1.1E+00	1.5E-04	1.0E-03	1.7E-07	1.6E-01	2.7E-01	7.5E-09
249	0.01	7.7E-09	1.1E+00	1.5E-04	1.0E-03	1.8E-07	1.6E-01	2.7E-01	7.7E-09
250	0.01	7.5E-09	1.1E+00	1.5E-04	1.0E-03	1.7E-07	1.6E-01	2.7E-01	7.5E-09
251	0.01	6.9E-09	1.0E+00	1.5E-04	1.0E-03	1.6E-07	1.6E-01	2.7E-01	6.9E-09
252	0.01	6.1E-09	9.0E-01	1.5E-04	1.0E-03	1.4E-07	1.6E-01	2.7E-01	6.1E-09
253	0.01	5.3E-09	7.8E-01	1.5E-04	1.0E-03	1.2E-07	1.6E-01	2.7E-01	5.3E-09
254	0.00	4.5E-09	6.7E-01	1.5E-04	1.0E-03	1.1E-07	1.6E-01	2.7E-01	4.5E-09
255	0.00	3.8E-09	5.6E-01	1.5E-04	1.0E-03	8.7E-08	1.6E-01	2.7E-01	3.8E-09
256	0.00	3.0E-09	4.4E-01	1.5E-04	1.0E-03	6.9E-08	1.6E-01	2.7E-01	3.0E-09
257	0.00	2.0E-09	3.0E-01	1.5E-04	1.0E-03	4.7E-08	1.6E-01	2.7E-01	2.0E-09
258	0.00	2.4E-09	3.5E-01	1.5E-04	1.0E-03	5.5E-08	1.6E-01	2.7E-01	2.4E-09
259	0.00	2.8E-09	4.1E-01	1.5E-04	1.0E-03	6.5E-08	1.6E-01	2.7E-01	2.8E-09
260	0.00	3.3E-09	4.9E-01	1.5E-04	1.0E-03	7.7E-08	1.6E-01	2.7E-01	3.3E-09
261	0.00	4.0E-09	5.8E-01	1.5E-04	1.0E-03	9.2E-08	1.6E-01	2.7E-01	4.0E-09
262	0.00	4.6E-09	6.8E-01	1.5E-04	1.0E-03	1.1E-07	1.6E-01	2.7E-01	4.6E-09
263	0.01	5.2E-09	7.7E-01	1.5E-04	1.0E-03	1.2E-07	1.6E-01	2.7E-01	5.2E-09
264	0.01	5.7E-09	8.4E-01	1.5E-04	1.0E-03	1.3E-07	1.6E-01	2.7E-01	5.7E-09
265	0.01	5.9E-09	8.7E-01	1.5E-04	1.0E-03	1.4E-07	1.6E-01	2.7E-01	5.9E-09
266	0.01	5.8E-09	8.6E-01	1.5E-04	1.0E-03	1.3E-07	1.6E-01	2.7E-01	5.8E-09
267	0.01	5.5E-09	8.1E-01	1.5E-04	1.0E-03	1.3E-07	1.6E-01	2.7E-01	5.5E-09
268	0.01	5.0E-09	7.4E-01	1.5E-04	1.0E-03	1.2E-07	1.6E-01	2.7E-01	5.0E-09
269	0.00	4.5E-09	6.6E-01	1.5E-04	1.0E-03	1.0E-07	1.6E-01	2.7E-01	4.5E-09

270	0.00	3.9E-09	5.8E-01	1.5E-04	1.0E-03	9.1E-08	1.6E-01	2.7E-01	3.9E-09
271	0.00	3.4E-09	5.0E-01	1.5E-04	1.0E-03	7.9E-08	1.6E-01	2.7E-01	3.4E-09
272	0.00	2.8E-09	4.1E-01	1.5E-04	1.0E-03	6.4E-08	1.6E-01	2.7E-01	2.8E-09
273	0.02	1.5E-08	2.2E+00	1.5E-04	1.0E-03	3.5E-07	1.6E-01	2.7E-01	1.5E-08
274	0.02	1.6E-08	2.4E+00	1.5E-04	1.0E-03	3.7E-07	1.6E-01	2.7E-01	1.6E-08
275	0.02	1.7E-08	2.5E+00	1.5E-04	1.0E-03	4.0E-07	1.6E-01	2.7E-01	1.7E-08
276	0.02	1.8E-08	2.7E+00	1.5E-04	1.0E-03	4.2E-07	1.6E-01	2.7E-01	1.8E-08
277	0.02	1.9E-08	2.8E+00	1.5E-04	1.0E-03	4.4E-07	1.6E-01	2.7E-01	1.9E-08
278	0.02	2.0E-08	3.0E+00	1.5E-04	1.0E-03	4.7E-07	1.6E-01	2.7E-01	2.0E-08
279	0.02	2.1E-08	3.1E+00	1.5E-04	1.0E-03	4.9E-07	1.6E-01	2.7E-01	2.1E-08
280	0.02	2.2E-08	3.3E+00	1.5E-04	1.0E-03	5.1E-07	1.6E-01	2.7E-01	2.2E-08
281	0.02	2.3E-08	3.4E+00	1.5E-04	1.0E-03	5.4E-07	1.6E-01	2.7E-01	2.3E-08
282	0.02	2.4E-08	3.6E+00	1.5E-04	1.0E-03	5.6E-07	1.6E-01	2.7E-01	2.4E-08
283	0.03	2.5E-08	3.8E+00	1.5E-04	1.0E-03	5.9E-07	1.6E-01	2.7E-01	2.5E-08
284	0.03	2.6E-08	3.9E+00	1.5E-04	1.0E-03	6.2E-07	1.6E-01	2.7E-01	2.6E-08
285	0.03	2.7E-08	4.1E+00	1.5E-04	1.0E-03	6.4E-07	1.6E-01	2.7E-01	2.7E-08
286	0.03	2.8E-08	4.2E+00	1.5E-04	1.0E-03	6.6E-07	1.6E-01	2.7E-01	2.8E-08
287	0.03	2.9E-08	4.3E+00	1.5E-04	1.0E-03	6.7E-07	1.6E-01	2.7E-01	2.9E-08
288	0.03	2.9E-08	4.4E+00	1.5E-04	1.0E-03	6.8E-07	1.6E-01	2.7E-01	2.9E-08
289	0.03	3.0E-08	4.4E+00	1.5E-04	1.0E-03	6.9E-07	1.6E-01	2.7E-01	3.0E-08
290	0.03	3.0E-08	4.4E+00	1.5E-04	1.0E-03	6.9E-07	1.6E-01	2.7E-01	3.0E-08
291	0.03	2.9E-08	4.3E+00	1.5E-04	1.0E-03	6.8E-07	1.6E-01	2.7E-01	2.9E-08
292	0.03	2.9E-08	4.3E+00	1.5E-04	1.0E-03	6.7E-07	1.6E-01	2.7E-01	2.9E-08
293	0.03	2.8E-08	4.2E+00	1.5E-04	1.0E-03	6.6E-07	1.6E-01	2.7E-01	2.8E-08
294	0.03	2.8E-08	4.1E+00	1.5E-04	1.0E-03	6.4E-07	1.6E-01	2.7E-01	2.8E-08
295	0.03	2.7E-08	4.0E+00	1.5E-04	1.0E-03	6.2E-07	1.6E-01	2.7E-01	2.7E-08
296	0.03	2.6E-08	3.9E+00	1.5E-04	1.0E-03	6.1E-07	1.6E-01	2.7E-01	2.6E-08
297	0.03	2.5E-08	3.7E+00	1.5E-04	1.0E-03	5.9E-07	1.6E-01	2.7E-01	2.5E-08
298	0.02	2.4E-08	3.6E+00	1.5E-04	1.0E-03	5.7E-07	1.6E-01	2.7E-01	2.4E-08
299	0.02	1.7E-08	2.5E+00	1.5E-04	1.0E-03	3.9E-07	1.6E-01	2.7E-01	1.7E-08
300	0.02	1.8E-08	2.7E+00	1.5E-04	1.0E-03	4.2E-07	1.6E-01	2.7E-01	1.8E-08
301	0.02	1.9E-08	2.8E+00	1.5E-04	1.0E-03	4.4E-07	1.6E-01	2.7E-01	1.9E-08
302	0.02	2.0E-08	3.0E+00	1.5E-04	1.0E-03	4.7E-07	1.6E-01	2.7E-01	2.0E-08
303	0.02	2.2E-08	3.2E+00	1.5E-04	1.0E-03	5.0E-07	1.6E-01	2.7E-01	2.2E-08
304	0.02	2.3E-08	3.4E+00	1.5E-04	1.0E-03	5.3E-07	1.6E-01	2.7E-01	2.3E-08
305	0.02	2.4E-08	3.6E+00	1.5E-04	1.0E-03	5.6E-07	1.6E-01	2.7E-01	2.4E-08
306	0.03	2.5E-08	3.8E+00	1.5E-04	1.0E-03	5.9E-07	1.6E-01	2.7E-01	2.5E-08
307	0.03	2.7E-08	4.0E+00	1.5E-04	1.0E-03	6.2E-07	1.6E-01	2.7E-01	2.7E-08
308	0.03	2.8E-08	4.2E+00	1.5E-04	1.0E-03	6.6E-07	1.6E-01	2.7E-01	2.8E-08
309	0.03	3.0E-08	4.4E+00	1.5E-04	1.0E-03	6.9E-07	1.6E-01	2.7E-01	3.0E-08
310	0.03	3.1E-08	4.6E+00	1.5E-04	1.0E-03	7.2E-07	1.6E-01	2.7E-01	3.1E-08
311	0.03	3.2E-08	4.8E+00	1.5E-04	1.0E-03	7.5E-07	1.6E-01	2.7E-01	3.2E-08
312	0.03	3.3E-08	4.9E+00	1.5E-04	1.0E-03	7.7E-07	1.6E-01	2.7E-01	3.3E-08
313	0.03	3.4E-08	5.0E+00	1.5E-04	1.0E-03	7.8E-07	1.6E-01	2.7E-01	3.4E-08
314	0.03	3.4E-08	5.0E+00	1.5E-04	1.0E-03	7.9E-07	1.6E-01	2.7E-01	3.4E-08
315	0.03	3.4E-08	5.0E+00	1.5E-04	1.0E-03	7.9E-07	1.6E-01	2.7E-01	3.4E-08

316	0.03	3.4E-08	5.0E+00	1.5E-04	1.0E-03	7.8E-07	1.6E-01	2.7E-01	3.4E-08
317	0.03	3.3E-08	4.9E+00	1.5E-04	1.0E-03	7.7E-07	1.6E-01	2.7E-01	3.3E-08
318	0.03	3.2E-08	4.8E+00	1.5E-04	1.0E-03	7.5E-07	1.6E-01	2.7E-01	3.2E-08
319	0.03	3.1E-08	4.6E+00	1.5E-04	1.0E-03	7.3E-07	1.6E-01	2.7E-01	3.1E-08
320	0.03	3.0E-08	4.5E+00	1.5E-04	1.0E-03	7.1E-07	1.6E-01	2.7E-01	3.0E-08
321	0.03	2.9E-08	4.4E+00	1.5E-04	1.0E-03	6.8E-07	1.6E-01	2.7E-01	2.9E-08
322	0.03	2.8E-08	4.2E+00	1.5E-04	1.0E-03	6.6E-07	1.6E-01	2.7E-01	2.8E-08
323	0.03	2.7E-08	4.0E+00	1.5E-04	1.0E-03	6.3E-07	1.6E-01	2.7E-01	2.7E-08
324	0.03	2.6E-08	3.9E+00	1.5E-04	1.0E-03	6.1E-07	1.6E-01	2.7E-01	2.6E-08
325	0.02	1.9E-08	2.8E+00	1.5E-04	1.0E-03	4.4E-07	1.6E-01	2.7E-01	1.9E-08
326	0.02	2.0E-08	3.0E+00	1.5E-04	1.0E-03	4.7E-07	1.6E-01	2.7E-01	2.0E-08
327	0.02	2.2E-08	3.2E+00	1.5E-04	1.0E-03	5.0E-07	1.6E-01	2.7E-01	2.2E-08
328	0.02	2.3E-08	3.4E+00	1.5E-04	1.0E-03	5.4E-07	1.6E-01	2.7E-01	2.3E-08
329	0.02	2.5E-08	3.7E+00	1.5E-04	1.0E-03	5.8E-07	1.6E-01	2.7E-01	2.5E-08
330	0.03	2.7E-08	3.9E+00	1.5E-04	1.0E-03	6.2E-07	1.6E-01	2.7E-01	2.7E-08
331	0.03	2.8E-08	4.2E+00	1.5E-04	1.0E-03	6.5E-07	1.6E-01	2.7E-01	2.8E-08
332	0.03	3.0E-08	4.4E+00	1.5E-04	1.0E-03	6.9E-07	1.6E-01	2.7E-01	3.0E-08
333	0.03	3.2E-08	4.7E+00	1.5E-04	1.0E-03	7.3E-07	1.6E-01	2.7E-01	3.2E-08
334	0.03	3.3E-08	4.9E+00	1.5E-04	1.0E-03	7.7E-07	1.6E-01	2.7E-01	3.3E-08
335	0.04	3.5E-08	5.2E+00	1.5E-04	1.0E-03	8.1E-07	1.6E-01	2.7E-01	3.5E-08
336	0.04	3.7E-08	5.4E+00	1.5E-04	1.0E-03	8.5E-07	1.6E-01	2.7E-01	3.7E-08
337	0.04	3.8E-08	5.6E+00	1.5E-04	1.0E-03	8.8E-07	1.6E-01	2.7E-01	3.8E-08
338	0.04	3.9E-08	5.7E+00	1.5E-04	1.0E-03	9.0E-07	1.6E-01	2.7E-01	3.9E-08
339	0.04	3.9E-08	5.8E+00	1.5E-04	1.0E-03	9.1E-07	1.6E-01	2.7E-01	3.9E-08
340	0.04	3.9E-08	5.8E+00	1.5E-04	1.0E-03	9.1E-07	1.6E-01	2.7E-01	3.9E-08
341	0.04	3.9E-08	5.7E+00	1.5E-04	1.0E-03	9.0E-07	1.6E-01	2.7E-01	3.9E-08
342	0.04	3.8E-08	5.6E+00	1.5E-04	1.0E-03	8.9E-07	1.6E-01	2.7E-01	3.8E-08
343	0.04	3.7E-08	5.5E+00	1.5E-04	1.0E-03	8.6E-07	1.6E-01	2.7E-01	3.7E-08
344	0.04	3.6E-08	5.3E+00	1.5E-04	1.0E-03	8.4E-07	1.6E-01	2.7E-01	3.6E-08
345	0.03	3.5E-08	5.1E+00	1.5E-04	1.0E-03	8.1E-07	1.6E-01	2.7E-01	3.5E-08
346	0.03	3.3E-08	4.9E+00	1.5E-04	1.0E-03	7.8E-07	1.6E-01	2.7E-01	3.3E-08
347	0.03	3.2E-08	4.8E+00	1.5E-04	1.0E-03	7.5E-07	1.6E-01	2.7E-01	3.2E-08
348	0.03	3.1E-08	4.6E+00	1.5E-04	1.0E-03	7.1E-07	1.6E-01	2.7E-01	3.1E-08
349	0.03	2.9E-08	4.4E+00	1.5E-04	1.0E-03	6.8E-07	1.6E-01	2.7E-01	2.9E-08
350	0.03	2.8E-08	4.2E+00	1.5E-04	1.0E-03	6.5E-07	1.6E-01	2.7E-01	2.8E-08
351	0.02	2.1E-08	3.1E+00	1.5E-04	1.0E-03	4.9E-07	1.6E-01	2.7E-01	2.1E-08
352	0.02	2.3E-08	3.4E+00	1.5E-04	1.0E-03	5.3E-07	1.6E-01	2.7E-01	2.3E-08
353	0.02	2.5E-08	3.7E+00	1.5E-04	1.0E-03	5.8E-07	1.6E-01	2.7E-01	2.5E-08
354	0.03	2.7E-08	4.0E+00	1.5E-04	1.0E-03	6.3E-07	1.6E-01	2.7E-01	2.7E-08
355	0.03	2.9E-08	4.3E+00	1.5E-04	1.0E-03	6.7E-07	1.6E-01	2.7E-01	2.9E-08
356	0.03	3.1E-08	4.6E+00	1.5E-04	1.0E-03	7.2E-07	1.6E-01	2.7E-01	3.1E-08
357	0.03	3.3E-08	4.9E+00	1.5E-04	1.0E-03	7.7E-07	1.6E-01	2.7E-01	3.3E-08
358	0.04	3.5E-08	5.2E+00	1.5E-04	1.0E-03	8.2E-07	1.6E-01	2.7E-01	3.5E-08
359	0.04	3.8E-08	5.6E+00	1.5E-04	1.0E-03	8.8E-07	1.6E-01	2.7E-01	3.8E-08
360	0.04	4.0E-08	5.9E+00	1.5E-04	1.0E-03	9.3E-07	1.6E-01	2.7E-01	4.0E-08
361	0.04	4.2E-08	6.2E+00	1.5E-04	1.0E-03	9.8E-07	1.6E-01	2.7E-01	4.2E-08

362	0.04	4.4E-08	6.5E+00	1.5E-04	1.0E-03	1.0E-06	1.6E-01	2.7E-01	4.4E-08
363	0.05	4.5E-08	6.7E+00	1.5E-04	1.0E-03	1.0E-06	1.6E-01	2.7E-01	4.5E-08
364	0.05	4.6E-08	6.8E+00	1.5E-04	1.0E-03	1.1E-06	1.6E-01	2.7E-01	4.6E-08
365	0.05	4.6E-08	6.8E+00	1.5E-04	1.0E-03	1.1E-06	1.6E-01	2.7E-01	4.6E-08
366	0.05	4.5E-08	6.7E+00	1.5E-04	1.0E-03	1.1E-06	1.6E-01	2.7E-01	4.5E-08
367	0.04	4.5E-08	6.6E+00	1.5E-04	1.0E-03	1.0E-06	1.6E-01	2.7E-01	4.5E-08
368	0.04	4.3E-08	6.4E+00	1.5E-04	1.0E-03	1.0E-06	1.6E-01	2.7E-01	4.3E-08
369	0.04	4.2E-08	6.2E+00	1.5E-04	1.0E-03	9.7E-07	1.6E-01	2.7E-01	4.2E-08
370	0.04	4.0E-08	5.9E+00	1.5E-04	1.0E-03	9.3E-07	1.6E-01	2.7E-01	4.0E-08
371	0.04	3.8E-08	5.7E+00	1.5E-04	1.0E-03	8.9E-07	1.6E-01	2.7E-01	3.8E-08
372	0.04	3.7E-08	5.4E+00	1.5E-04	1.0E-03	8.5E-07	1.6E-01	2.7E-01	3.7E-08
373	0.03	3.5E-08	5.2E+00	1.5E-04	1.0E-03	8.1E-07	1.6E-01	2.7E-01	3.5E-08
374	0.03	3.3E-08	4.9E+00	1.5E-04	1.0E-03	7.7E-07	1.6E-01	2.7E-01	3.3E-08
375	0.03	3.2E-08	4.7E+00	1.5E-04	1.0E-03	7.3E-07	1.6E-01	2.7E-01	3.2E-08
376	0.03	3.0E-08	4.4E+00	1.5E-04	1.0E-03	7.0E-07	1.6E-01	2.7E-01	3.0E-08
377	0.02	2.4E-08	3.5E+00	1.5E-04	1.0E-03	5.5E-07	1.6E-01	2.7E-01	2.4E-08
378	0.03	2.6E-08	3.9E+00	1.5E-04	1.0E-03	6.1E-07	1.6E-01	2.7E-01	2.6E-08
379	0.03	2.9E-08	4.2E+00	1.5E-04	1.0E-03	6.7E-07	1.6E-01	2.7E-01	2.9E-08
380	0.03	3.1E-08	4.6E+00	1.5E-04	1.0E-03	7.3E-07	1.6E-01	2.7E-01	3.1E-08
381	0.03	3.4E-08	5.1E+00	1.5E-04	1.0E-03	7.9E-07	1.6E-01	2.7E-01	3.4E-08
382	0.05	5.1E-08	7.6E+00	1.5E-04	1.0E-03	1.2E-06	1.6E-01	2.7E-01	5.1E-08
383	0.05	4.9E-08	7.3E+00	1.5E-04	1.0E-03	1.1E-06	1.6E-01	2.7E-01	4.9E-08
384	0.05	4.7E-08	6.9E+00	1.5E-04	1.0E-03	1.1E-06	1.6E-01	2.7E-01	4.7E-08
385	0.04	4.5E-08	6.6E+00	1.5E-04	1.0E-03	1.0E-06	1.6E-01	2.7E-01	4.5E-08
386	0.04	4.2E-08	6.2E+00	1.5E-04	1.0E-03	9.8E-07	1.6E-01	2.7E-01	4.2E-08
387	0.04	4.0E-08	5.9E+00	1.5E-04	1.0E-03	9.3E-07	1.6E-01	2.7E-01	4.0E-08
388	0.04	3.8E-08	5.6E+00	1.5E-04	1.0E-03	8.8E-07	1.6E-01	2.7E-01	3.8E-08
389	0.04	3.6E-08	5.3E+00	1.5E-04	1.0E-03	8.3E-07	1.6E-01	2.7E-01	3.6E-08
390	0.03	3.4E-08	5.0E+00	1.5E-04	1.0E-03	7.8E-07	1.6E-01	2.7E-01	3.4E-08
391	0.03	3.2E-08	4.7E+00	1.5E-04	1.0E-03	7.4E-07	1.6E-01	2.7E-01	3.2E-08
392	0.03	2.7E-08	4.0E+00	1.5E-04	1.0E-03	6.2E-07	1.6E-01	2.7E-01	2.7E-08
393	0.03	3.0E-08	4.4E+00	1.5E-04	1.0E-03	6.9E-07	1.6E-01	2.7E-01	3.0E-08
394	0.03	3.3E-08	4.9E+00	1.5E-04	1.0E-03	7.7E-07	1.6E-01	2.7E-01	3.3E-08
395	0.04	3.7E-08	5.5E+00	1.5E-04	1.0E-03	8.6E-07	1.6E-01	2.7E-01	3.7E-08
396	0.04	4.1E-08	6.1E+00	1.5E-04	1.0E-03	9.5E-07	1.6E-01	2.7E-01	4.1E-08
397	0.06	5.8E-08	8.7E+00	1.5E-04	1.0E-03	1.4E-06	1.6E-01	2.7E-01	5.8E-08
398	0.06	5.5E-08	8.2E+00	1.5E-04	1.0E-03	1.3E-06	1.6E-01	2.7E-01	5.5E-08
399	0.05	5.2E-08	7.7E+00	1.5E-04	1.0E-03	1.2E-06	1.6E-01	2.7E-01	5.2E-08
400	0.05	4.9E-08	7.3E+00	1.5E-04	1.0E-03	1.1E-06	1.6E-01	2.7E-01	4.9E-08
401	0.05	4.6E-08	6.8E+00	1.5E-04	1.0E-03	1.1E-06	1.6E-01	2.7E-01	4.6E-08
402	0.04	4.3E-08	6.4E+00	1.5E-04	1.0E-03	1.0E-06	1.6E-01	2.7E-01	4.3E-08
403	0.04	4.1E-08	6.0E+00	1.5E-04	1.0E-03	9.4E-07	1.6E-01	2.7E-01	4.1E-08
404	0.04	3.8E-08	5.6E+00	1.5E-04	1.0E-03	8.9E-07	1.6E-01	2.7E-01	3.8E-08
405	0.04	3.6E-08	5.3E+00	1.5E-04	1.0E-03	8.3E-07	1.6E-01	2.7E-01	3.6E-08
406	0.03	3.4E-08	5.0E+00	1.5E-04	1.0E-03	7.8E-07	1.6E-01	2.7E-01	3.4E-08
407	0.03	3.0E-08	4.5E+00	1.5E-04	1.0E-03	7.0E-07	1.6E-01	2.7E-01	3.0E-08

408	0.03	3.4E-08	5.0E+00	1.5E-04	1.0E-03	7.9E-07	1.6E-01	2.7E-01	3.4E-08
409	0.04	3.9E-08	5.7E+00	1.5E-04	1.0E-03	8.9E-07	1.6E-01	2.7E-01	3.9E-08
410	0.04	4.4E-08	6.5E+00	1.5E-04	1.0E-03	1.0E-06	1.6E-01	2.7E-01	4.4E-08
411	0.05	4.9E-08	7.3E+00	1.5E-04	1.0E-03	1.1E-06	1.6E-01	2.7E-01	4.9E-08
412	0.07	6.7E-08	9.9E+00	1.5E-04	1.0E-03	1.5E-06	1.6E-01	2.7E-01	6.7E-08
413	0.06	6.2E-08	9.2E+00	1.5E-04	1.0E-03	1.4E-06	1.6E-01	2.7E-01	6.2E-08
414	0.06	5.8E-08	8.6E+00	1.5E-04	1.0E-03	1.4E-06	1.6E-01	2.7E-01	5.8E-08
415	0.05	5.4E-08	8.0E+00	1.5E-04	1.0E-03	1.3E-06	1.6E-01	2.7E-01	5.4E-08
416	0.05	5.0E-08	7.4E+00	1.5E-04	1.0E-03	1.2E-06	1.6E-01	2.7E-01	5.0E-08
417	0.05	4.7E-08	6.9E+00	1.5E-04	1.0E-03	1.1E-06	1.6E-01	2.7E-01	4.7E-08
418	0.04	4.4E-08	6.4E+00	1.5E-04	1.0E-03	1.0E-06	1.6E-01	2.7E-01	4.4E-08
419	0.04	4.0E-08	6.0E+00	1.5E-04	1.0E-03	9.4E-07	1.6E-01	2.7E-01	4.0E-08
420	0.04	3.8E-08	5.6E+00	1.5E-04	1.0E-03	8.8E-07	1.6E-01	2.7E-01	3.8E-08
421	0.04	3.5E-08	5.2E+00	1.5E-04	1.0E-03	8.2E-07	1.6E-01	2.7E-01	3.5E-08
422	0.03	3.4E-08	5.1E+00	1.5E-04	1.0E-03	7.9E-07	1.6E-01	2.7E-01	3.4E-08
423	0.04	3.9E-08	5.8E+00	1.5E-04	1.0E-03	9.1E-07	1.6E-01	2.7E-01	3.9E-08
424	0.05	4.5E-08	6.7E+00	1.5E-04	1.0E-03	1.0E-06	1.6E-01	2.7E-01	4.5E-08
425	0.05	5.2E-08	7.7E+00	1.5E-04	1.0E-03	1.2E-06	1.6E-01	2.7E-01	5.2E-08
426	0.06	6.1E-08	9.0E+00	1.5E-04	1.0E-03	1.4E-06	1.6E-01	2.7E-01	6.1E-08
427	0.08	7.5E-08	1.1E+01	1.5E-04	1.0E-03	1.8E-06	1.6E-01	2.7E-01	7.5E-08
428	0.07	7.0E-08	1.0E+01	1.5E-04	1.0E-03	1.6E-06	1.6E-01	2.7E-01	7.0E-08
429	0.06	6.4E-08	9.5E+00	1.5E-04	1.0E-03	1.5E-06	1.6E-01	2.7E-01	6.4E-08
430	0.06	5.9E-08	8.7E+00	1.5E-04	1.0E-03	1.4E-06	1.6E-01	2.7E-01	5.9E-08
431	0.05	5.4E-08	8.1E+00	1.5E-04	1.0E-03	1.3E-06	1.6E-01	2.7E-01	5.4E-08
432	0.05	5.0E-08	7.4E+00	1.5E-04	1.0E-03	1.2E-06	1.6E-01	2.7E-01	5.0E-08
433	0.05	4.6E-08	6.9E+00	1.5E-04	1.0E-03	1.1E-06	1.6E-01	2.7E-01	4.6E-08
434	0.04	4.3E-08	6.3E+00	1.5E-04	1.0E-03	9.9E-07	1.6E-01	2.7E-01	4.3E-08
435	0.04	4.0E-08	5.9E+00	1.5E-04	1.0E-03	9.2E-07	1.6E-01	2.7E-01	4.0E-08
436	0.04	3.7E-08	5.4E+00	1.5E-04	1.0E-03	8.5E-07	1.6E-01	2.7E-01	3.7E-08
437	0.04	3.8E-08	5.7E+00	1.5E-04	1.0E-03	8.9E-07	1.6E-01	2.7E-01	3.8E-08
438	0.04	4.5E-08	6.6E+00	1.5E-04	1.0E-03	1.0E-06	1.6E-01	2.7E-01	4.5E-08
439	0.05	5.3E-08	7.8E+00	1.5E-04	1.0E-03	1.2E-06	1.6E-01	2.7E-01	5.3E-08
440	0.06	6.3E-08	9.3E+00	1.5E-04	1.0E-03	1.5E-06	1.6E-01	2.7E-01	6.3E-08
441	0.08	7.6E-08	1.1E+01	1.5E-04	1.0E-03	1.8E-06	1.6E-01	2.7E-01	7.6E-08
442	0.08	8.5E-08	1.3E+01	1.5E-04	1.0E-03	2.0E-06	1.6E-01	2.7E-01	8.5E-08
443	0.08	7.7E-08	1.1E+01	1.5E-04	1.0E-03	1.8E-06	1.6E-01	2.7E-01	7.7E-08
444	0.07	7.0E-08	1.0E+01	1.5E-04	1.0E-03	1.6E-06	1.6E-01	2.7E-01	7.0E-08
445	0.06	6.4E-08	9.5E+00	1.5E-04	1.0E-03	1.5E-06	1.6E-01	2.7E-01	6.4E-08
446	0.06	5.8E-08	8.6E+00	1.5E-04	1.0E-03	1.4E-06	1.6E-01	2.7E-01	5.8E-08
447	0.05	5.3E-08	7.9E+00	1.5E-04	1.0E-03	1.2E-06	1.6E-01	2.7E-01	5.3E-08
448	0.05	4.9E-08	7.2E+00	1.5E-04	1.0E-03	1.1E-06	1.6E-01	2.7E-01	4.9E-08
449	0.04	4.5E-08	6.6E+00	1.5E-04	1.0E-03	1.0E-06	1.6E-01	2.7E-01	4.5E-08
450	0.04	4.1E-08	6.1E+00	1.5E-04	1.0E-03	9.6E-07	1.6E-01	2.7E-01	4.1E-08
451	0.04	3.8E-08	5.6E+00	1.5E-04	1.0E-03	8.8E-07	1.6E-01	2.7E-01	3.8E-08
452	0.04	4.3E-08	6.4E+00	1.5E-04	1.0E-03	1.0E-06	1.6E-01	2.7E-01	4.3E-08
453	0.05	5.1E-08	7.5E+00	1.5E-04	1.0E-03	1.2E-06	1.6E-01	2.7E-01	5.1E-08

454	0.06	6.2E-08	9.2E+00	1.5E-04	1.0E-03	1.4E-06	1.6E-01	2.7E-01	6.2E-08
455	0.08	7.6E-08	1.1E+01	1.5E-04	1.0E-03	1.8E-06	1.6E-01	2.7E-01	7.6E-08
456	0.10	9.7E-08	1.4E+01	1.5E-04	1.0E-03	2.2E-06	1.6E-01	2.7E-01	9.7E-08
457	0.09	9.4E-08	1.4E+01	1.5E-04	1.0E-03	2.2E-06	1.6E-01	2.7E-01	9.4E-08
458	0.08	8.4E-08	1.2E+01	1.5E-04	1.0E-03	2.0E-06	1.6E-01	2.7E-01	8.4E-08
459	0.08	7.6E-08	1.1E+01	1.5E-04	1.0E-03	1.8E-06	1.6E-01	2.7E-01	7.6E-08
460	0.07	6.8E-08	1.0E+01	1.5E-04	1.0E-03	1.6E-06	1.6E-01	2.7E-01	6.8E-08
461	0.06	6.2E-08	9.2E+00	1.5E-04	1.0E-03	1.4E-06	1.6E-01	2.7E-01	6.2E-08
462	0.06	5.6E-08	8.3E+00	1.5E-04	1.0E-03	1.3E-06	1.6E-01	2.7E-01	5.6E-08
463	0.05	5.1E-08	7.6E+00	1.5E-04	1.0E-03	1.2E-06	1.6E-01	2.7E-01	5.1E-08
464	0.05	4.7E-08	6.9E+00	1.5E-04	1.0E-03	1.1E-06	1.6E-01	2.7E-01	4.7E-08
465	0.04	4.3E-08	6.3E+00	1.5E-04	1.0E-03	9.9E-07	1.6E-01	2.7E-01	4.3E-08
466	0.04	3.9E-08	5.8E+00	1.5E-04	1.0E-03	9.1E-07	1.6E-01	2.7E-01	3.9E-08
467	0.05	4.7E-08	7.0E+00	1.5E-04	1.0E-03	1.1E-06	1.6E-01	2.7E-01	4.7E-08
468	0.06	5.7E-08	8.4E+00	1.5E-04	1.0E-03	1.3E-06	1.6E-01	2.7E-01	5.7E-08
469	0.07	7.0E-08	1.0E+01	1.5E-04	1.0E-03	1.6E-06	1.6E-01	2.7E-01	7.0E-08
470	0.09	9.0E-08	1.3E+01	1.5E-04	1.0E-03	2.1E-06	1.6E-01	2.7E-01	9.0E-08
471	0.12	1.2E-07	1.8E+01	1.5E-04	1.0E-03	2.8E-06	1.6E-01	2.7E-01	1.2E-07
472	0.10	1.0E-07	1.5E+01	1.5E-04	1.0E-03	2.4E-06	1.6E-01	2.7E-01	1.0E-07
473	0.09	9.1E-08	1.3E+01	1.5E-04	1.0E-03	2.1E-06	1.6E-01	2.7E-01	9.1E-08
474	0.08	8.1E-08	1.2E+01	1.5E-04	1.0E-03	1.9E-06	1.6E-01	2.7E-01	8.1E-08
475	0.07	7.3E-08	1.1E+01	1.5E-04	1.0E-03	1.7E-06	1.6E-01	2.7E-01	7.3E-08
476	0.07	6.5E-08	9.6E+00	1.5E-04	1.0E-03	1.5E-06	1.6E-01	2.7E-01	6.5E-08
477	0.06	5.9E-08	8.7E+00	1.5E-04	1.0E-03	1.4E-06	1.6E-01	2.7E-01	5.9E-08
478	0.05	5.3E-08	7.9E+00	1.5E-04	1.0E-03	1.2E-06	1.6E-01	2.7E-01	5.3E-08
479	0.05	4.8E-08	7.2E+00	1.5E-04	1.0E-03	1.1E-06	1.6E-01	2.7E-01	4.8E-08
480	0.04	4.4E-08	6.5E+00	1.5E-04	1.0E-03	1.0E-06	1.6E-01	2.7E-01	4.4E-08
481	0.04	4.0E-08	5.9E+00	1.5E-04	1.0E-03	9.3E-07	1.6E-01	2.7E-01	4.0E-08
482	0.05	5.1E-08	7.6E+00	1.5E-04	1.0E-03	1.2E-06	1.6E-01	2.7E-01	5.1E-08
483	0.06	6.3E-08	9.3E+00	1.5E-04	1.0E-03	1.5E-06	1.6E-01	2.7E-01	6.3E-08
484	0.08	7.9E-08	1.2E+01	1.5E-04	1.0E-03	1.8E-06	1.6E-01	2.7E-01	7.9E-08
485	0.11	1.1E-07	1.6E+01	1.5E-04	1.0E-03	2.4E-06	1.6E-01	2.7E-01	1.1E-07
486	0.15	1.5E-07	2.2E+01	1.5E-04	1.0E-03	3.5E-06	1.6E-01	2.7E-01	1.5E-07
487	0.11	1.1E-07	1.6E+01	1.5E-04	1.0E-03	2.5E-06	1.6E-01	2.7E-01	1.1E-07
488	0.10	9.7E-08	1.4E+01	1.5E-04	1.0E-03	2.2E-06	1.6E-01	2.7E-01	9.7E-08
489	0.09	8.5E-08	1.3E+01	1.5E-04	1.0E-03	2.0E-06	1.6E-01	2.7E-01	8.5E-08
490	0.08	7.6E-08	1.1E+01	1.5E-04	1.0E-03	1.8E-06	1.6E-01	2.7E-01	7.6E-08
491	0.07	6.8E-08	1.0E+01	1.5E-04	1.0E-03	1.6E-06	1.6E-01	2.7E-01	6.8E-08
492	0.06	6.1E-08	9.0E+00	1.5E-04	1.0E-03	1.4E-06	1.6E-01	2.7E-01	6.1E-08
493	0.05	5.5E-08	8.1E+00	1.5E-04	1.0E-03	1.3E-06	1.6E-01	2.7E-01	5.5E-08
494	0.05	5.0E-08	7.3E+00	1.5E-04	1.0E-03	1.2E-06	1.6E-01	2.7E-01	5.0E-08
495	0.05	4.5E-08	6.7E+00	1.5E-04	1.0E-03	1.0E-06	1.6E-01	2.7E-01	4.5E-08
496	0.04	4.1E-08	6.0E+00	1.5E-04	1.0E-03	9.5E-07	1.6E-01	2.7E-01	4.1E-08
497	0.06	5.5E-08	8.2E+00	1.5E-04	1.0E-03	1.3E-06	1.6E-01	2.7E-01	5.5E-08
498	0.07	6.9E-08	1.0E+01	1.5E-04	1.0E-03	1.6E-06	1.6E-01	2.7E-01	6.9E-08
499	0.09	8.9E-08	1.3E+01	1.5E-04	1.0E-03	2.1E-06	1.6E-01	2.7E-01	8.9E-08

500	0.12	1.2E-07	1.8E+01	1.5E-04	1.0E-03	2.8E-06	1.6E-01	2.7E-01	1.2E-07
501	0.17	1.7E-07	2.6E+01	1.5E-04	1.0E-03	4.0E-06	1.6E-01	2.7E-01	1.7E-07
502	0.12	1.2E-07	1.7E+01	1.5E-04	1.0E-03	2.7E-06	1.6E-01	2.7E-01	1.2E-07
503	0.10	1.0E-07	1.5E+01	1.5E-04	1.0E-03	2.4E-06	1.6E-01	2.7E-01	1.0E-07
504	0.09	8.9E-08	1.3E+01	1.5E-04	1.0E-03	2.1E-06	1.6E-01	2.7E-01	8.9E-08
505	0.08	7.9E-08	1.2E+01	1.5E-04	1.0E-03	1.8E-06	1.6E-01	2.7E-01	7.9E-08
506	0.07	7.0E-08	1.0E+01	1.5E-04	1.0E-03	1.6E-06	1.6E-01	2.7E-01	7.0E-08
507	0.06	6.2E-08	9.2E+00	1.5E-04	1.0E-03	1.5E-06	1.6E-01	2.7E-01	6.2E-08
508	0.06	5.6E-08	8.3E+00	1.5E-04	1.0E-03	1.3E-06	1.6E-01	2.7E-01	5.6E-08
509	0.05	5.0E-08	7.5E+00	1.5E-04	1.0E-03	1.2E-06	1.6E-01	2.7E-01	5.0E-08
510	0.05	4.6E-08	6.7E+00	1.5E-04	1.0E-03	1.1E-06	1.6E-01	2.7E-01	4.6E-08
511	0.04	4.1E-08	6.1E+00	1.5E-04	1.0E-03	9.6E-07	1.6E-01	2.7E-01	4.1E-08
512	0.06	5.9E-08	8.7E+00	1.5E-04	1.0E-03	1.4E-06	1.6E-01	2.7E-01	5.9E-08
513	0.07	7.4E-08	1.1E+01	1.5E-04	1.0E-03	1.7E-06	1.6E-01	2.7E-01	7.4E-08
514	0.10	9.5E-08	1.4E+01	1.5E-04	1.0E-03	2.2E-06	1.6E-01	2.7E-01	9.5E-08
515	0.13	1.3E-07	2.0E+01	1.5E-04	1.0E-03	3.1E-06	1.6E-01	2.7E-01	1.3E-07
516	0.19	1.9E-07	2.8E+01	1.5E-04	1.0E-03	4.5E-06	1.6E-01	2.7E-01	1.9E-07
517	0.12	1.2E-07	1.8E+01	1.5E-04	1.0E-03	2.8E-06	1.6E-01	2.7E-01	1.2E-07
518	0.11	1.1E-07	1.6E+01	1.5E-04	1.0E-03	2.5E-06	1.6E-01	2.7E-01	1.1E-07
519	0.09	9.2E-08	1.4E+01	1.5E-04	1.0E-03	2.1E-06	1.6E-01	2.7E-01	9.2E-08
520	0.08	8.1E-08	1.2E+01	1.5E-04	1.0E-03	1.9E-06	1.6E-01	2.7E-01	8.1E-08
521	0.07	7.1E-08	1.1E+01	1.5E-04	1.0E-03	1.7E-06	1.6E-01	2.7E-01	7.1E-08
522	0.06	6.3E-08	9.4E+00	1.5E-04	1.0E-03	1.5E-06	1.6E-01	2.7E-01	6.3E-08
523	0.06	5.7E-08	8.4E+00	1.5E-04	1.0E-03	1.3E-06	1.6E-01	2.7E-01	5.7E-08
524	0.05	5.1E-08	7.5E+00	1.5E-04	1.0E-03	1.2E-06	1.6E-01	2.7E-01	5.1E-08
525	0.05	4.6E-08	6.7E+00	1.5E-04	1.0E-03	1.1E-06	1.6E-01	2.7E-01	4.6E-08
526	0.04	4.1E-08	6.1E+00	1.5E-04	1.0E-03	9.5E-07	1.6E-01	2.7E-01	4.1E-08
527	0.06	6.1E-08	9.1E+00	1.5E-04	1.0E-03	1.4E-06	1.6E-01	2.7E-01	6.1E-08
528	0.08	7.8E-08	1.1E+01	1.5E-04	1.0E-03	1.8E-06	1.6E-01	2.7E-01	7.8E-08
529	0.10	1.0E-07	1.5E+01	1.5E-04	1.0E-03	2.4E-06	1.6E-01	2.7E-01	1.0E-07
530	0.14	1.4E-07	2.1E+01	1.5E-04	1.0E-03	3.3E-06	1.6E-01	2.7E-01	1.4E-07
531	0.21	2.1E-07	3.1E+01	1.5E-04	1.0E-03	4.8E-06	1.6E-01	2.7E-01	2.1E-07
532	0.13	1.3E-07	1.9E+01	1.5E-04	1.0E-03	2.9E-06	1.6E-01	2.7E-01	1.3E-07
533	0.11	1.1E-07	1.6E+01	1.5E-04	1.0E-03	2.5E-06	1.6E-01	2.7E-01	1.1E-07
534	0.09	9.4E-08	1.4E+01	1.5E-04	1.0E-03	2.2E-06	1.6E-01	2.7E-01	9.4E-08
535	0.08	8.1E-08	1.2E+01	1.5E-04	1.0E-03	1.9E-06	1.6E-01	2.7E-01	8.1E-08
536	0.07	7.1E-08	1.1E+01	1.5E-04	1.0E-03	1.7E-06	1.6E-01	2.7E-01	7.1E-08
537	0.06	6.3E-08	9.4E+00	1.5E-04	1.0E-03	1.5E-06	1.6E-01	2.7E-01	6.3E-08
538	0.06	5.6E-08	8.3E+00	1.5E-04	1.0E-03	1.3E-06	1.6E-01	2.7E-01	5.6E-08
539	0.05	5.0E-08	7.5E+00	1.5E-04	1.0E-03	1.2E-06	1.6E-01	2.7E-01	5.0E-08
540	0.05	4.5E-08	6.7E+00	1.5E-04	1.0E-03	1.0E-06	1.6E-01	2.7E-01	4.5E-08
541	0.04	4.0E-08	6.0E+00	1.5E-04	1.0E-03	9.4E-07	1.6E-01	2.7E-01	4.0E-08
542	0.06	6.3E-08	9.4E+00	1.5E-04	1.0E-03	1.5E-06	1.6E-01	2.7E-01	6.3E-08
543	0.08	8.1E-08	1.2E+01	1.5E-04	1.0E-03	1.9E-06	1.6E-01	2.7E-01	8.1E-08
544	0.11	1.1E-07	1.6E+01	1.5E-04	1.0E-03	2.5E-06	1.6E-01	2.7E-01	1.1E-07
545	0.15	1.5E-07	2.2E+01	1.5E-04	1.0E-03	3.5E-06	1.6E-01	2.7E-01	1.5E-07

546	0.21	2.1E-07	3.2E+01	1.5E-04	1.0E-03	5.0E-06	1.6E-01	2.7E-01	2.1E-07
547	0.13	1.3E-07	1.9E+01	1.5E-04	1.0E-03	3.0E-06	1.6E-01	2.7E-01	1.3E-07
548	0.11	1.1E-07	1.6E+01	1.5E-04	1.0E-03	2.6E-06	1.6E-01	2.7E-01	1.1E-07
549	0.09	9.4E-08	1.4E+01	1.5E-04	1.0E-03	2.2E-06	1.6E-01	2.7E-01	9.4E-08
550	0.08	8.1E-08	1.2E+01	1.5E-04	1.0E-03	1.9E-06	1.6E-01	2.7E-01	8.1E-08
551	0.07	7.0E-08	1.0E+01	1.5E-04	1.0E-03	1.6E-06	1.6E-01	2.7E-01	7.0E-08
552	0.06	6.1E-08	9.0E+00	1.5E-04	1.0E-03	1.4E-06	1.6E-01	2.7E-01	6.1E-08
553	0.05	5.4E-08	8.0E+00	1.5E-04	1.0E-03	1.3E-06	1.6E-01	2.7E-01	5.4E-08
554	0.05	4.9E-08	7.2E+00	1.5E-04	1.0E-03	1.1E-06	1.6E-01	2.7E-01	4.9E-08
555	0.04	4.4E-08	6.4E+00	1.5E-04	1.0E-03	1.0E-06	1.6E-01	2.7E-01	4.4E-08
556	0.04	3.9E-08	5.8E+00	1.5E-04	1.0E-03	9.1E-07	1.6E-01	2.7E-01	3.9E-08
557	0.06	6.4E-08	9.5E+00	1.5E-04	1.0E-03	1.5E-06	1.6E-01	2.7E-01	6.4E-08
558	0.08	8.2E-08	1.2E+01	1.5E-04	1.0E-03	1.9E-06	1.6E-01	2.7E-01	8.2E-08
559	0.11	1.1E-07	1.6E+01	1.5E-04	1.0E-03	2.6E-06	1.6E-01	2.7E-01	1.1E-07
560	0.15	1.5E-07	2.3E+01	1.5E-04	1.0E-03	3.6E-06	1.6E-01	2.7E-01	1.5E-07
561	0.22	2.2E-07	3.2E+01	1.5E-04	1.0E-03	5.1E-06	1.6E-01	2.7E-01	2.2E-07
562	0.11	1.1E-07	1.6E+01	1.5E-04	1.0E-03	2.6E-06	1.6E-01	2.7E-01	1.1E-07
563	0.09	9.5E-08	1.4E+01	1.5E-04	1.0E-03	2.2E-06	1.6E-01	2.7E-01	9.5E-08
564	0.08	8.1E-08	1.2E+01	1.5E-04	1.0E-03	1.9E-06	1.6E-01	2.7E-01	8.1E-08
565	0.07	6.6E-08	9.8E+00	1.5E-04	1.0E-03	1.5E-06	1.6E-01	2.7E-01	6.6E-08
566	0.06	5.8E-08	8.5E+00	1.5E-04	1.0E-03	1.3E-06	1.6E-01	2.7E-01	5.8E-08
567	0.05	5.1E-08	7.5E+00	1.5E-04	1.0E-03	1.2E-06	1.6E-01	2.7E-01	5.1E-08
568	0.05	4.5E-08	6.7E+00	1.5E-04	1.0E-03	1.1E-06	1.6E-01	2.7E-01	4.5E-08
569	0.04	4.1E-08	6.0E+00	1.5E-04	1.0E-03	9.5E-07	1.6E-01	2.7E-01	4.1E-08
570	0.04	3.7E-08	5.5E+00	1.5E-04	1.0E-03	8.6E-07	1.6E-01	2.7E-01	3.7E-08
571	0.06	6.5E-08	9.6E+00	1.5E-04	1.0E-03	1.5E-06	1.6E-01	2.7E-01	6.5E-08
572	0.08	8.4E-08	1.2E+01	1.5E-04	1.0E-03	2.0E-06	1.6E-01	2.7E-01	8.4E-08
573	0.11	1.1E-07	1.6E+01	1.5E-04	1.0E-03	2.6E-06	1.6E-01	2.7E-01	1.1E-07
574	0.15	1.5E-07	2.3E+01	1.5E-04	1.0E-03	3.6E-06	1.6E-01	2.7E-01	1.5E-07
575	0.22	2.2E-07	3.3E+01	1.5E-04	1.0E-03	5.1E-06	1.6E-01	2.7E-01	2.2E-07
576	0.09	9.5E-08	1.4E+01	1.5E-04	1.0E-03	2.2E-06	1.6E-01	2.7E-01	9.5E-08
577	0.08	8.0E-08	1.2E+01	1.5E-04	1.0E-03	1.9E-06	1.6E-01	2.7E-01	8.0E-08
578	0.07	6.7E-08	1.0E+01	1.5E-04	1.0E-03	1.6E-06	1.6E-01	2.7E-01	6.7E-08
579	0.06	5.9E-08	8.7E+00	1.5E-04	1.0E-03	1.4E-06	1.6E-01	2.7E-01	5.9E-08
580	0.05	5.1E-08	7.6E+00	1.5E-04	1.0E-03	1.2E-06	1.6E-01	2.7E-01	5.1E-08
581	0.04	4.5E-08	6.6E+00	1.5E-04	1.0E-03	1.0E-06	1.6E-01	2.7E-01	4.5E-08
582	0.04	4.0E-08	5.9E+00	1.5E-04	1.0E-03	9.2E-07	1.6E-01	2.7E-01	4.0E-08
583	0.04	3.5E-08	5.2E+00	1.5E-04	1.0E-03	8.2E-07	1.6E-01	2.7E-01	3.5E-08
584	0.06	6.5E-08	9.6E+00	1.5E-04	1.0E-03	1.5E-06	1.6E-01	2.7E-01	6.5E-08
585	0.08	8.4E-08	1.2E+01	1.5E-04	1.0E-03	1.9E-06	1.6E-01	2.7E-01	8.4E-08
586	0.11	1.1E-07	1.6E+01	1.5E-04	1.0E-03	2.6E-06	1.6E-01	2.7E-01	1.1E-07
587	0.15	1.5E-07	2.3E+01	1.5E-04	1.0E-03	3.5E-06	1.6E-01	2.7E-01	1.5E-07
588	0.22	2.2E-07	3.2E+01	1.5E-04	1.0E-03	5.1E-06	1.6E-01	2.7E-01	2.2E-07
589	0.08	8.0E-08	1.2E+01	1.5E-04	1.0E-03	1.9E-06	1.6E-01	2.7E-01	8.0E-08
590	0.07	6.9E-08	1.0E+01	1.5E-04	1.0E-03	1.6E-06	1.6E-01	2.7E-01	6.9E-08
591	0.06	6.0E-08	8.9E+00	1.5E-04	1.0E-03	1.4E-06	1.6E-01	2.7E-01	6.0E-08

592	0.05	5.2E-08	7.7E+00	1.5E-04	1.0E-03	1.2E-06	1.6E-01	2.7E-01	5.2E-08
593	0.05	4.6E-08	6.8E+00	1.5E-04	1.0E-03	1.1E-06	1.6E-01	2.7E-01	4.6E-08
594	0.04	4.0E-08	5.9E+00	1.5E-04	1.0E-03	9.3E-07	1.6E-01	2.7E-01	4.0E-08
595	0.03	3.5E-08	5.2E+00	1.5E-04	1.0E-03	8.1E-07	1.6E-01	2.7E-01	3.5E-08
596	0.06	6.3E-08	9.4E+00	1.5E-04	1.0E-03	1.5E-06	1.6E-01	2.7E-01	6.3E-08
597	0.08	8.2E-08	1.2E+01	1.5E-04	1.0E-03	1.9E-06	1.6E-01	2.7E-01	8.2E-08
598	0.11	1.1E-07	1.6E+01	1.5E-04	1.0E-03	2.5E-06	1.6E-01	2.7E-01	1.1E-07
599	0.15	1.5E-07	2.2E+01	1.5E-04	1.0E-03	3.4E-06	1.6E-01	2.7E-01	1.5E-07
600	0.21	2.1E-07	3.1E+01	1.5E-04	1.0E-03	4.9E-06	1.6E-01	2.7E-01	2.1E-07
601	0.07	6.6E-08	9.8E+00	1.5E-04	1.0E-03	1.5E-06	1.6E-01	2.7E-01	6.6E-08
602	0.06	5.8E-08	8.6E+00	1.5E-04	1.0E-03	1.3E-06	1.6E-01	2.7E-01	5.8E-08
603	0.05	5.0E-08	7.4E+00	1.5E-04	1.0E-03	1.2E-06	1.6E-01	2.7E-01	5.0E-08
604	0.04	4.4E-08	6.6E+00	1.5E-04	1.0E-03	1.0E-06	1.6E-01	2.7E-01	4.4E-08
605	0.04	3.9E-08	5.8E+00	1.5E-04	1.0E-03	9.1E-07	1.6E-01	2.7E-01	3.9E-08
606	0.03	3.4E-08	5.1E+00	1.5E-04	1.0E-03	8.0E-07	1.6E-01	2.7E-01	3.4E-08
607	0.06	6.1E-08	9.0E+00	1.5E-04	1.0E-03	1.4E-06	1.6E-01	2.7E-01	6.1E-08
608	0.08	7.8E-08	1.2E+01	1.5E-04	1.0E-03	1.8E-06	1.6E-01	2.7E-01	7.8E-08
609	0.10	1.0E-07	1.5E+01	1.5E-04	1.0E-03	2.4E-06	1.6E-01	2.7E-01	1.0E-07
610	0.14	1.4E-07	2.1E+01	1.5E-04	1.0E-03	3.2E-06	1.6E-01	2.7E-01	1.4E-07
611	0.20	2.0E-07	2.9E+01	1.5E-04	1.0E-03	4.6E-06	1.6E-01	2.7E-01	2.0E-07
612	0.06	6.3E-08	9.4E+00	1.5E-04	1.0E-03	1.5E-06	1.6E-01	2.7E-01	6.3E-08
613	0.06	5.5E-08	8.2E+00	1.5E-04	1.0E-03	1.3E-06	1.6E-01	2.7E-01	5.5E-08
614	0.05	4.8E-08	7.1E+00	1.5E-04	1.0E-03	1.1E-06	1.6E-01	2.7E-01	4.8E-08
615	0.04	4.2E-08	6.3E+00	1.5E-04	1.0E-03	9.8E-07	1.6E-01	2.7E-01	4.2E-08
616	0.04	3.7E-08	5.5E+00	1.5E-04	1.0E-03	8.7E-07	1.6E-01	2.7E-01	3.7E-08
617	0.03	3.3E-08	4.9E+00	1.5E-04	1.0E-03	7.7E-07	1.6E-01	2.7E-01	3.3E-08
618	0.06	5.8E-08	8.6E+00	1.5E-04	1.0E-03	1.3E-06	1.6E-01	2.7E-01	5.8E-08
619	0.07	7.3E-08	1.1E+01	1.5E-04	1.0E-03	1.7E-06	1.6E-01	2.7E-01	7.3E-08
620	0.10	9.5E-08	1.4E+01	1.5E-04	1.0E-03	2.2E-06	1.6E-01	2.7E-01	9.5E-08
621	0.13	1.3E-07	1.9E+01	1.5E-04	1.0E-03	2.9E-06	1.6E-01	2.7E-01	1.3E-07
622	0.18	1.8E-07	2.6E+01	1.5E-04	1.0E-03	4.1E-06	1.6E-01	2.7E-01	1.8E-07
623	0.06	6.0E-08	8.8E+00	1.5E-04	1.0E-03	1.4E-06	1.6E-01	2.7E-01	6.0E-08
624	0.05	5.2E-08	7.7E+00	1.5E-04	1.0E-03	1.2E-06	1.6E-01	2.7E-01	5.2E-08
625	0.05	4.5E-08	6.7E+00	1.5E-04	1.0E-03	1.1E-06	1.6E-01	2.7E-01	4.5E-08
626	0.04	4.0E-08	6.0E+00	1.5E-04	1.0E-03	9.3E-07	1.6E-01	2.7E-01	4.0E-08
627	0.04	3.6E-08	5.3E+00	1.5E-04	1.0E-03	8.3E-07	1.6E-01	2.7E-01	3.6E-08
628	0.03	3.2E-08	4.7E+00	1.5E-04	1.0E-03	7.4E-07	1.6E-01	2.7E-01	3.2E-08
629	0.05	5.4E-08	8.0E+00	1.5E-04	1.0E-03	1.3E-06	1.6E-01	2.7E-01	5.4E-08
630	0.07	6.7E-08	9.9E+00	1.5E-04	1.0E-03	1.6E-06	1.6E-01	2.7E-01	6.7E-08
631	0.09	8.6E-08	1.3E+01	1.5E-04	1.0E-03	2.0E-06	1.6E-01	2.7E-01	8.6E-08
632	0.11	1.1E-07	1.7E+01	1.5E-04	1.0E-03	2.6E-06	1.6E-01	2.7E-01	1.1E-07
633	0.15	1.5E-07	2.3E+01	1.5E-04	1.0E-03	3.6E-06	1.6E-01	2.7E-01	1.5E-07
634	0.06	5.6E-08	8.2E+00	1.5E-04	1.0E-03	1.3E-06	1.6E-01	2.7E-01	5.6E-08
635	0.05	4.9E-08	7.2E+00	1.5E-04	1.0E-03	1.1E-06	1.6E-01	2.7E-01	4.9E-08
636	0.04	4.3E-08	6.3E+00	1.5E-04	1.0E-03	9.9E-07	1.6E-01	2.7E-01	4.3E-08
637	0.04	3.8E-08	5.6E+00	1.5E-04	1.0E-03	8.8E-07	1.6E-01	2.7E-01	3.8E-08

638	0.03	3.4E-08	5.0E+00	1.5E-04	1.0E-03	7.9E-07	1.6E-01	2.7E-01	3.4E-08
639	0.03	3.0E-08	4.5E+00	1.5E-04	1.0E-03	7.1E-07	1.6E-01	2.7E-01	3.0E-08
640	0.05	5.0E-08	7.4E+00	1.5E-04	1.0E-03	1.2E-06	1.6E-01	2.7E-01	5.0E-08
641	0.06	6.1E-08	9.0E+00	1.5E-04	1.0E-03	1.4E-06	1.6E-01	2.7E-01	6.1E-08
642	0.08	7.6E-08	1.1E+01	1.5E-04	1.0E-03	1.8E-06	1.6E-01	2.7E-01	7.6E-08
643	0.10	9.8E-08	1.4E+01	1.5E-04	1.0E-03	2.3E-06	1.6E-01	2.7E-01	9.8E-08
644	0.13	1.3E-07	1.9E+01	1.5E-04	1.0E-03	3.0E-06	1.6E-01	2.7E-01	1.3E-07
645	0.05	5.1E-08	7.6E+00	1.5E-04	1.0E-03	1.2E-06	1.6E-01	2.7E-01	5.1E-08
646	0.05	4.5E-08	6.7E+00	1.5E-04	1.0E-03	1.1E-06	1.6E-01	2.7E-01	4.5E-08
647	0.04	4.0E-08	5.9E+00	1.5E-04	1.0E-03	9.3E-07	1.6E-01	2.7E-01	4.0E-08
648	0.04	3.6E-08	5.3E+00	1.5E-04	1.0E-03	8.3E-07	1.6E-01	2.7E-01	3.6E-08
649	0.03	3.2E-08	4.7E+00	1.5E-04	1.0E-03	7.5E-07	1.6E-01	2.7E-01	3.2E-08
650	0.03	2.9E-08	4.3E+00	1.5E-04	1.0E-03	6.7E-07	1.6E-01	2.7E-01	2.9E-08
651	0.05	4.6E-08	6.8E+00	1.5E-04	1.0E-03	1.1E-06	1.6E-01	2.7E-01	4.6E-08
652	0.06	5.5E-08	8.2E+00	1.5E-04	1.0E-03	1.3E-06	1.6E-01	2.7E-01	5.5E-08
653	0.07	6.8E-08	1.0E+01	1.5E-04	1.0E-03	1.6E-06	1.6E-01	2.7E-01	6.8E-08
654	0.08	8.4E-08	1.2E+01	1.5E-04	1.0E-03	1.9E-06	1.6E-01	2.7E-01	8.4E-08
655	0.11	1.1E-07	1.6E+01	1.5E-04	1.0E-03	2.4E-06	1.6E-01	2.7E-01	1.1E-07
656	0.13	1.3E-07	2.0E+01	1.5E-04	1.0E-03	3.1E-06	1.6E-01	2.7E-01	1.3E-07
657	0.17	1.7E-07	2.5E+01	1.5E-04	1.0E-03	3.9E-06	1.6E-01	2.7E-01	1.7E-07
658	0.20	2.0E-07	3.0E+01	1.5E-04	1.0E-03	4.7E-06	1.6E-01	2.7E-01	2.0E-07
659	0.23	2.3E-07	3.4E+01	1.5E-04	1.0E-03	5.3E-06	1.6E-01	2.7E-01	2.3E-07
660	0.24	2.4E-07	3.5E+01	1.5E-04	1.0E-03	5.5E-06	1.6E-01	2.7E-01	2.4E-07
661	0.22	2.2E-07	3.3E+01	1.5E-04	1.0E-03	5.2E-06	1.6E-01	2.7E-01	2.2E-07
662	0.20	2.0E-07	2.9E+01	1.5E-04	1.0E-03	4.6E-06	1.6E-01	2.7E-01	2.0E-07
663	0.16	1.6E-07	2.4E+01	1.5E-04	1.0E-03	3.8E-06	1.6E-01	2.7E-01	1.6E-07
664	0.14	1.4E-07	2.0E+01	1.5E-04	1.0E-03	3.2E-06	1.6E-01	2.7E-01	1.4E-07
665	0.11	1.1E-07	1.7E+01	1.5E-04	1.0E-03	2.7E-06	1.6E-01	2.7E-01	1.1E-07
666	0.10	9.6E-08	1.4E+01	1.5E-04	1.0E-03	2.2E-06	1.6E-01	2.7E-01	9.6E-08
667	0.08	8.2E-08	1.2E+01	1.5E-04	1.0E-03	1.9E-06	1.6E-01	2.7E-01	8.2E-08
668	0.07	7.1E-08	1.0E+01	1.5E-04	1.0E-03	1.6E-06	1.6E-01	2.7E-01	7.1E-08
669	0.06	6.1E-08	9.1E+00	1.5E-04	1.0E-03	1.4E-06	1.6E-01	2.7E-01	6.1E-08
670	0.05	5.4E-08	7.9E+00	1.5E-04	1.0E-03	1.2E-06	1.6E-01	2.7E-01	5.4E-08
671	0.05	4.7E-08	7.0E+00	1.5E-04	1.0E-03	1.1E-06	1.6E-01	2.7E-01	4.7E-08
672	0.04	4.2E-08	6.2E+00	1.5E-04	1.0E-03	9.7E-07	1.6E-01	2.7E-01	4.2E-08
673	0.04	3.7E-08	5.5E+00	1.5E-04	1.0E-03	8.7E-07	1.6E-01	2.7E-01	3.7E-08
674	0.03	3.4E-08	5.0E+00	1.5E-04	1.0E-03	7.8E-07	1.6E-01	2.7E-01	3.4E-08
675	0.03	3.0E-08	4.5E+00	1.5E-04	1.0E-03	7.0E-07	1.6E-01	2.7E-01	3.0E-08
676	0.03	2.7E-08	4.0E+00	1.5E-04	1.0E-03	6.3E-07	1.6E-01	2.7E-01	2.7E-08
677	0.04	4.1E-08	6.1E+00	1.5E-04	1.0E-03	9.5E-07	1.6E-01	2.7E-01	4.1E-08
678	0.05	4.9E-08	7.2E+00	1.5E-04	1.0E-03	1.1E-06	1.6E-01	2.7E-01	4.9E-08
679	0.06	5.9E-08	8.7E+00	1.5E-04	1.0E-03	1.4E-06	1.6E-01	2.7E-01	5.9E-08
680	0.07	7.1E-08	1.0E+01	1.5E-04	1.0E-03	1.6E-06	1.6E-01	2.7E-01	7.1E-08
681	0.09	8.6E-08	1.3E+01	1.5E-04	1.0E-03	2.0E-06	1.6E-01	2.7E-01	8.6E-08
682	0.10	1.0E-07	1.5E+01	1.5E-04	1.0E-03	2.4E-06	1.6E-01	2.7E-01	1.0E-07
683	0.12	1.2E-07	1.8E+01	1.5E-04	1.0E-03	2.9E-06	1.6E-01	2.7E-01	1.2E-07

684	0.14	1.4E-07	2.1E+01	1.5E-04	1.0E-03	3.3E-06	1.6E-01	2.7E-01	1.4E-07
685	0.16	1.6E-07	2.3E+01	1.5E-04	1.0E-03	3.7E-06	1.6E-01	2.7E-01	1.6E-07
686	0.16	1.6E-07	2.4E+01	1.5E-04	1.0E-03	3.8E-06	1.6E-01	2.7E-01	1.6E-07
687	0.16	1.6E-07	2.3E+01	1.5E-04	1.0E-03	3.7E-06	1.6E-01	2.7E-01	1.6E-07
688	0.14	1.4E-07	2.1E+01	1.5E-04	1.0E-03	3.4E-06	1.6E-01	2.7E-01	1.4E-07
689	0.13	1.3E-07	1.9E+01	1.5E-04	1.0E-03	3.0E-06	1.6E-01	2.7E-01	1.3E-07
690	0.11	1.1E-07	1.6E+01	1.5E-04	1.0E-03	2.6E-06	1.6E-01	2.7E-01	1.1E-07
691	0.10	9.6E-08	1.4E+01	1.5E-04	1.0E-03	2.2E-06	1.6E-01	2.7E-01	9.6E-08
692	0.08	8.3E-08	1.2E+01	1.5E-04	1.0E-03	1.9E-06	1.6E-01	2.7E-01	8.3E-08
693	0.07	7.2E-08	1.1E+01	1.5E-04	1.0E-03	1.7E-06	1.6E-01	2.7E-01	7.2E-08
694	0.06	6.3E-08	9.3E+00	1.5E-04	1.0E-03	1.5E-06	1.6E-01	2.7E-01	6.3E-08
695	0.06	5.5E-08	8.2E+00	1.5E-04	1.0E-03	1.3E-06	1.6E-01	2.7E-01	5.5E-08
696	0.05	4.9E-08	7.2E+00	1.5E-04	1.0E-03	1.1E-06	1.6E-01	2.7E-01	4.9E-08
697	0.04	4.3E-08	6.4E+00	1.5E-04	1.0E-03	1.0E-06	1.6E-01	2.7E-01	4.3E-08
698	0.04	3.9E-08	5.7E+00	1.5E-04	1.0E-03	9.0E-07	1.6E-01	2.7E-01	3.9E-08
699	0.03	3.5E-08	5.2E+00	1.5E-04	1.0E-03	8.1E-07	1.6E-01	2.7E-01	3.5E-08
700	0.03	3.1E-08	4.6E+00	1.5E-04	1.0E-03	7.3E-07	1.6E-01	2.7E-01	3.1E-08
701	0.03	2.8E-08	4.2E+00	1.5E-04	1.0E-03	6.6E-07	1.6E-01	2.7E-01	2.8E-08
702	0.03	2.6E-08	3.8E+00	1.5E-04	1.0E-03	6.0E-07	1.6E-01	2.7E-01	2.6E-08
703	0.04	3.7E-08	5.5E+00	1.5E-04	1.0E-03	8.6E-07	1.6E-01	2.7E-01	3.7E-08
704	0.04	4.3E-08	6.4E+00	1.5E-04	1.0E-03	1.0E-06	1.6E-01	2.7E-01	4.3E-08
705	0.05	5.1E-08	7.5E+00	1.5E-04	1.0E-03	1.2E-06	1.6E-01	2.7E-01	5.1E-08
706	0.06	6.0E-08	8.9E+00	1.5E-04	1.0E-03	1.4E-06	1.6E-01	2.7E-01	6.0E-08
707	0.07	7.1E-08	1.0E+01	1.5E-04	1.0E-03	1.6E-06	1.6E-01	2.7E-01	7.1E-08
708	0.08	8.3E-08	1.2E+01	1.5E-04	1.0E-03	1.9E-06	1.6E-01	2.7E-01	8.3E-08
709	0.10	9.6E-08	1.4E+01	1.5E-04	1.0E-03	2.2E-06	1.6E-01	2.7E-01	9.6E-08
710	0.11	1.1E-07	1.6E+01	1.5E-04	1.0E-03	2.5E-06	1.6E-01	2.7E-01	1.1E-07
711	0.12	1.2E-07	1.7E+01	1.5E-04	1.0E-03	2.7E-06	1.6E-01	2.7E-01	1.2E-07
712	0.12	1.2E-07	1.8E+01	1.5E-04	1.0E-03	2.8E-06	1.6E-01	2.7E-01	1.2E-07
713	0.12	1.2E-07	1.7E+01	1.5E-04	1.0E-03	2.7E-06	1.6E-01	2.7E-01	1.2E-07
714	0.11	1.1E-07	1.6E+01	1.5E-04	1.0E-03	2.6E-06	1.6E-01	2.7E-01	1.1E-07
715	0.10	1.0E-07	1.5E+01	1.5E-04	1.0E-03	2.4E-06	1.6E-01	2.7E-01	1.0E-07
716	0.09	9.1E-08	1.3E+01	1.5E-04	1.0E-03	2.1E-06	1.6E-01	2.7E-01	9.1E-08
717	0.08	8.1E-08	1.2E+01	1.5E-04	1.0E-03	1.9E-06	1.6E-01	2.7E-01	8.1E-08
718	0.07	7.2E-08	1.1E+01	1.5E-04	1.0E-03	1.7E-06	1.6E-01	2.7E-01	7.2E-08
719	0.06	6.3E-08	9.4E+00	1.5E-04	1.0E-03	1.5E-06	1.6E-01	2.7E-01	6.3E-08
720	0.06	5.6E-08	8.3E+00	1.5E-04	1.0E-03	1.3E-06	1.6E-01	2.7E-01	5.6E-08
721	0.05	5.0E-08	7.4E+00	1.5E-04	1.0E-03	1.2E-06	1.6E-01	2.7E-01	5.0E-08
722	0.04	4.4E-08	6.6E+00	1.5E-04	1.0E-03	1.0E-06	1.6E-01	2.7E-01	4.4E-08
723	0.04	4.0E-08	5.9E+00	1.5E-04	1.0E-03	9.2E-07	1.6E-01	2.7E-01	4.0E-08
724	0.04	3.6E-08	5.3E+00	1.5E-04	1.0E-03	8.3E-07	1.6E-01	2.7E-01	3.6E-08
725	0.03	3.2E-08	4.8E+00	1.5E-04	1.0E-03	7.5E-07	1.6E-01	2.7E-01	3.2E-08
726	0.03	2.9E-08	4.4E+00	1.5E-04	1.0E-03	6.8E-07	1.6E-01	2.7E-01	2.9E-08
727	0.03	2.7E-08	4.0E+00	1.5E-04	1.0E-03	6.2E-07	1.6E-01	2.7E-01	2.7E-08
728	0.02	2.4E-08	3.6E+00	1.5E-04	1.0E-03	5.7E-07	1.6E-01	2.7E-01	2.4E-08
729	0.03	3.3E-08	5.0E+00	1.5E-04	1.0E-03	7.8E-07	1.6E-01	2.7E-01	3.3E-08

730	0.04	3.9E-08	5.7E+00	1.5E-04	1.0E-03	9.0E-07	1.6E-01	2.7E-01	3.9E-08
731	0.04	4.4E-08	6.6E+00	1.5E-04	1.0E-03	1.0E-06	1.6E-01	2.7E-01	4.4E-08
732	0.05	5.1E-08	7.6E+00	1.5E-04	1.0E-03	1.2E-06	1.6E-01	2.7E-01	5.1E-08
733	0.06	5.9E-08	8.7E+00	1.5E-04	1.0E-03	1.4E-06	1.6E-01	2.7E-01	5.9E-08
734	0.07	6.8E-08	1.0E+01	1.5E-04	1.0E-03	1.6E-06	1.6E-01	2.7E-01	6.8E-08
735	0.08	7.6E-08	1.1E+01	1.5E-04	1.0E-03	1.8E-06	1.6E-01	2.7E-01	7.6E-08
736	0.08	8.4E-08	1.2E+01	1.5E-04	1.0E-03	1.9E-06	1.6E-01	2.7E-01	8.4E-08
737	0.09	8.9E-08	1.3E+01	1.5E-04	1.0E-03	2.1E-06	1.6E-01	2.7E-01	8.9E-08
738	0.09	9.2E-08	1.4E+01	1.5E-04	1.0E-03	2.1E-06	1.6E-01	2.7E-01	9.2E-08
739	0.09	9.1E-08	1.4E+01	1.5E-04	1.0E-03	2.1E-06	1.6E-01	2.7E-01	9.1E-08
740	0.09	8.8E-08	1.3E+01	1.5E-04	1.0E-03	2.0E-06	1.6E-01	2.7E-01	8.8E-08
741	0.08	8.2E-08	1.2E+01	1.5E-04	1.0E-03	1.9E-06	1.6E-01	2.7E-01	8.2E-08
742	0.08	7.6E-08	1.1E+01	1.5E-04	1.0E-03	1.8E-06	1.6E-01	2.7E-01	7.6E-08
743	0.07	6.9E-08	1.0E+01	1.5E-04	1.0E-03	1.6E-06	1.6E-01	2.7E-01	6.9E-08
744	0.06	6.2E-08	9.2E+00	1.5E-04	1.0E-03	1.4E-06	1.6E-01	2.7E-01	6.2E-08
745	0.06	5.6E-08	8.3E+00	1.5E-04	1.0E-03	1.3E-06	1.6E-01	2.7E-01	5.6E-08
746	0.05	5.0E-08	7.4E+00	1.5E-04	1.0E-03	1.2E-06	1.6E-01	2.7E-01	5.0E-08
747	0.05	4.5E-08	6.7E+00	1.5E-04	1.0E-03	1.0E-06	1.6E-01	2.7E-01	4.5E-08
748	0.04	4.1E-08	6.0E+00	1.5E-04	1.0E-03	9.4E-07	1.6E-01	2.7E-01	4.1E-08
749	0.04	3.7E-08	5.4E+00	1.5E-04	1.0E-03	8.5E-07	1.6E-01	2.7E-01	3.7E-08
750	0.03	3.3E-08	4.9E+00	1.5E-04	1.0E-03	7.7E-07	1.6E-01	2.7E-01	3.3E-08
751	0.03	3.0E-08	4.5E+00	1.5E-04	1.0E-03	7.0E-07	1.6E-01	2.7E-01	3.0E-08
752	0.03	2.7E-08	4.1E+00	1.5E-04	1.0E-03	6.4E-07	1.6E-01	2.7E-01	2.7E-08
753	0.03	2.5E-08	3.7E+00	1.5E-04	1.0E-03	5.8E-07	1.6E-01	2.7E-01	2.5E-08
754	0.02	2.3E-08	3.4E+00	1.5E-04	1.0E-03	5.3E-07	1.6E-01	2.7E-01	2.3E-08
755	0.03	3.0E-08	4.5E+00	1.5E-04	1.0E-03	7.0E-07	1.6E-01	2.7E-01	3.0E-08
756	0.03	3.4E-08	5.1E+00	1.5E-04	1.0E-03	8.0E-07	1.6E-01	2.7E-01	3.4E-08
757	0.04	3.9E-08	5.8E+00	1.5E-04	1.0E-03	9.0E-07	1.6E-01	2.7E-01	3.9E-08
758	0.04	4.4E-08	6.5E+00	1.5E-04	1.0E-03	1.0E-06	1.6E-01	2.7E-01	4.4E-08
759	0.05	5.0E-08	7.4E+00	1.5E-04	1.0E-03	1.2E-06	1.6E-01	2.7E-01	5.0E-08
760	0.06	5.6E-08	8.3E+00	1.5E-04	1.0E-03	1.3E-06	1.6E-01	2.7E-01	5.6E-08
761	0.06	6.2E-08	9.2E+00	1.5E-04	1.0E-03	1.4E-06	1.6E-01	2.7E-01	6.2E-08
762	0.07	6.7E-08	9.9E+00	1.5E-04	1.0E-03	1.6E-06	1.6E-01	2.7E-01	6.7E-08
763	0.07	7.1E-08	1.1E+01	1.5E-04	1.0E-03	1.7E-06	1.6E-01	2.7E-01	7.1E-08
764	0.07	7.3E-08	1.1E+01	1.5E-04	1.0E-03	1.7E-06	1.6E-01	2.7E-01	7.3E-08
765	0.07	7.3E-08	1.1E+01	1.5E-04	1.0E-03	1.7E-06	1.6E-01	2.7E-01	7.3E-08
766	0.07	7.2E-08	1.1E+01	1.5E-04	1.0E-03	1.7E-06	1.6E-01	2.7E-01	7.2E-08
767	0.07	6.8E-08	1.0E+01	1.5E-04	1.0E-03	1.6E-06	1.6E-01	2.7E-01	6.8E-08
768	0.06	6.4E-08	9.5E+00	1.5E-04	1.0E-03	1.5E-06	1.6E-01	2.7E-01	6.4E-08
769	0.06	5.9E-08	8.8E+00	1.5E-04	1.0E-03	1.4E-06	1.6E-01	2.7E-01	5.9E-08
770	0.05	5.4E-08	8.0E+00	1.5E-04	1.0E-03	1.3E-06	1.6E-01	2.7E-01	5.4E-08
771	0.05	5.0E-08	7.3E+00	1.5E-04	1.0E-03	1.2E-06	1.6E-01	2.7E-01	5.0E-08
772	0.05	4.5E-08	6.7E+00	1.5E-04	1.0E-03	1.0E-06	1.6E-01	2.7E-01	4.5E-08
773	0.04	4.1E-08	6.1E+00	1.5E-04	1.0E-03	9.5E-07	1.6E-01	2.7E-01	4.1E-08
774	0.04	3.7E-08	5.5E+00	1.5E-04	1.0E-03	8.6E-07	1.6E-01	2.7E-01	3.7E-08
775	0.03	3.4E-08	5.0E+00	1.5E-04	1.0E-03	7.8E-07	1.6E-01	2.7E-01	3.4E-08

776	0.03	3.1E-08	4.5E+00	1.5E-04	1.0E-03	7.1E-07	1.6E-01	2.7E-01	3.1E-08
777	0.03	2.8E-08	4.2E+00	1.5E-04	1.0E-03	6.5E-07	1.6E-01	2.7E-01	2.8E-08
778	0.03	2.6E-08	3.8E+00	1.5E-04	1.0E-03	6.0E-07	1.6E-01	2.7E-01	2.6E-08
779	0.02	2.4E-08	3.5E+00	1.5E-04	1.0E-03	5.5E-07	1.6E-01	2.7E-01	2.4E-08
780	0.02	2.2E-08	3.2E+00	1.5E-04	1.0E-03	5.1E-07	1.6E-01	2.7E-01	2.2E-08
781	0.03	2.7E-08	4.0E+00	1.5E-04	1.0E-03	6.3E-07	1.6E-01	2.7E-01	2.7E-08
782	0.03	3.1E-08	4.5E+00	1.5E-04	1.0E-03	7.1E-07	1.6E-01	2.7E-01	3.1E-08
783	0.03	3.4E-08	5.1E+00	1.5E-04	1.0E-03	8.0E-07	1.6E-01	2.7E-01	3.4E-08
784	0.04	3.8E-08	5.7E+00	1.5E-04	1.0E-03	8.9E-07	1.6E-01	2.7E-01	3.8E-08
785	0.04	4.3E-08	6.3E+00	1.5E-04	1.0E-03	1.0E-06	1.6E-01	2.7E-01	4.3E-08
786	0.05	4.7E-08	7.0E+00	1.5E-04	1.0E-03	1.1E-06	1.6E-01	2.7E-01	4.7E-08
787	0.05	5.2E-08	7.6E+00	1.5E-04	1.0E-03	1.2E-06	1.6E-01	2.7E-01	5.2E-08
788	0.06	5.5E-08	8.2E+00	1.5E-04	1.0E-03	1.3E-06	1.6E-01	2.7E-01	5.5E-08
789	0.06	5.8E-08	8.6E+00	1.5E-04	1.0E-03	1.4E-06	1.6E-01	2.7E-01	5.8E-08
790	0.06	6.0E-08	8.9E+00	1.5E-04	1.0E-03	1.4E-06	1.6E-01	2.7E-01	6.0E-08
791	0.06	6.0E-08	8.9E+00	1.5E-04	1.0E-03	1.4E-06	1.6E-01	2.7E-01	6.0E-08
792	0.06	5.9E-08	8.8E+00	1.5E-04	1.0E-03	1.4E-06	1.6E-01	2.7E-01	5.9E-08
793	0.06	5.7E-08	8.5E+00	1.5E-04	1.0E-03	1.3E-06	1.6E-01	2.7E-01	5.7E-08
794	0.05	5.5E-08	8.1E+00	1.5E-04	1.0E-03	1.3E-06	1.6E-01	2.7E-01	5.5E-08
795	0.05	5.1E-08	7.6E+00	1.5E-04	1.0E-03	1.2E-06	1.6E-01	2.7E-01	5.1E-08
796	0.05	4.8E-08	7.1E+00	1.5E-04	1.0E-03	1.1E-06	1.6E-01	2.7E-01	4.8E-08
797	0.04	4.4E-08	6.5E+00	1.5E-04	1.0E-03	1.0E-06	1.6E-01	2.7E-01	4.4E-08
798	0.04	4.1E-08	6.0E+00	1.5E-04	1.0E-03	9.4E-07	1.6E-01	2.7E-01	4.1E-08
799	0.04	3.7E-08	5.5E+00	1.5E-04	1.0E-03	8.6E-07	1.6E-01	2.7E-01	3.7E-08
800	0.03	3.4E-08	5.0E+00	1.5E-04	1.0E-03	7.9E-07	1.6E-01	2.7E-01	3.4E-08
801	0.03	3.1E-08	4.6E+00	1.5E-04	1.0E-03	7.2E-07	1.6E-01	2.7E-01	3.1E-08
802	0.03	2.9E-08	4.2E+00	1.5E-04	1.0E-03	6.6E-07	1.6E-01	2.7E-01	2.9E-08
803	0.03	2.6E-08	3.9E+00	1.5E-04	1.0E-03	6.1E-07	1.6E-01	2.7E-01	2.6E-08
804	0.02	2.4E-08	3.6E+00	1.5E-04	1.0E-03	5.6E-07	1.6E-01	2.7E-01	2.4E-08
805	0.02	2.2E-08	3.3E+00	1.5E-04	1.0E-03	5.2E-07	1.6E-01	2.7E-01	2.2E-08
806	0.02	2.1E-08	3.0E+00	1.5E-04	1.0E-03	4.8E-07	1.6E-01	2.7E-01	2.1E-08

Risk From Portable Set-up - Mitigated Residential

Franklin School Project

Risk From Portable Set-up - Mitigated Residential

	0.00	Max					Onsite		
Receptor #	**Total/ Million**	**Total**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
1	0.00	7.1E-12		0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
2	0.00	8.1E-12		0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
3	0.00	9.1E-12		0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
4	0.00	1.0E-11		0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
5	0.00	1.1E-11		0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
6	0.00	1.1E-11		0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
7	0.00	1.2E-11		0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
8	0.00	1.2E-11		0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
9	0.00	1.2E-11		0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
10	0.00	1.2E-11		0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
11	0.00	1.3E-11		0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
12	0.00	1.3E-11		0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
13	0.00	1.3E-11		0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
14	0.00	1.2E-11		0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
15	0.00	1.2E-11		0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
16	0.00	1.1E-11		0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
17	0.00	1.1E-11		0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
18	0.00	1.3E-11		0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
19	0.00	1.4E-11		0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
20	0.00	1.5E-11		0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
21	0.00	1.7E-11		0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
22	0.00	1.8E-11		0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
23	0.00	1.8E-11		0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
24	0.00	1.7E-11		0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
25	0.00	1.7E-11		0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
26	0.00	1.7E-11		0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
27	0.00	1.8E-11		0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
28	0.00	1.8E-11		0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
29	0.00	1.7E-11		0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
30	0.00	1.5E-11		0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
31	0.00	1.4E-11		0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
32	0.00	1.2E-11		0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
33	0.00	1.1E-11		0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
34	0.00	1.6E-11		0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
35	0.00	1.3E-11		0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
36	0.00	1.5E-11		0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
37	0.00	1.7E-11		0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
38	0.00	1.9E-11		0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
39	0.00	2.2E-11		0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00

40	0.00	2.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
41	0.00	2.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
42	0.00	2.6E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
43	0.00	2.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
44	0.00	2.4E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
45	0.00	2.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
46	0.00	1.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
47	0.00	1.6E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
48	0.00	1.4E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
49	0.00	1.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
50	0.00	1.6E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
51	0.00	1.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
52	0.00	1.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
53	0.00	2.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
54	0.00	2.6E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
55	0.00	3.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
56	0.00	3.7E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
57	0.00	4.0E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
58	0.00	4.0E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
59	0.00	3.7E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
60	0.00	3.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
61	0.00	2.7E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
62	0.00	2.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
63	0.00	1.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
64	0.00	1.4E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
65	0.00	1.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
66	0.00	1.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
67	0.00	1.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
68	0.00	2.4E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
69	0.00	3.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
70	0.00	4.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
71	0.00	5.6E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
72	0.00	6.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
73	0.00	7.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
74	0.00	6.6E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
75	0.00	5.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
76	0.00	4.0E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
77	0.00	3.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
78	0.00	2.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
79	0.00	1.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
80	0.00	1.4E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
81	0.00	1.0E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
82	0.00	1.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
83	0.00	1.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
84	0.00	2.6E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
85	0.00	4.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00

86	0.00	7.7E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
87	0.00	1.3E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
88	0.00	1.7E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
89	0.00	1.5E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
90	0.00	1.0E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
91	0.00	6.7E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
92	0.00	4.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
93	0.00	3.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
94	0.00	2.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
95	0.00	1.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
96	0.00	1.4E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
97	0.00	9.7E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
98	0.00	1.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
99	0.00	1.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
100	0.00	3.0E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
101	0.00	6.0E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
102	0.00	1.7E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
103	0.00	6.2E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
104	0.00	7.0E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
105	0.00	2.8E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
106	0.00	1.3E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
107	0.00	7.0E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
108	0.00	4.4E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
109	0.00	3.0E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
110	0.00	2.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
111	0.00	1.6E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
112	0.00	1.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
113	0.00	9.2E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
114	0.00	1.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
115	0.00	1.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
116	0.00	3.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
117	0.00	6.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
118	0.00	1.1E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
119	0.00	6.0E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
120	0.00	3.7E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
121	0.00	2.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
122	0.00	1.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
123	0.00	1.4E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
124	0.00	1.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
125	0.00	8.5E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
126	0.00	1.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
127	0.00	1.7E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
128	0.00	2.7E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
129	0.00	4.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
130	0.00	7.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
131	0.00	4.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00

132	0.00	2.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
133	0.00	2.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
134	0.00	1.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
135	0.00	1.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
136	0.00	9.3E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
137	0.00	7.7E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
138	0.00	1.0E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
139	0.00	1.4E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
140	0.00	2.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
141	0.00	3.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
142	0.00	4.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
143	0.00	3.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
144	0.00	2.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
145	0.00	1.7E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
146	0.00	1.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
147	0.00	1.0E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
148	0.00	8.2E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
149	0.00	6.8E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
150	0.00	8.7E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
151	0.00	1.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
152	0.00	1.6E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
153	0.00	2.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
154	0.00	3.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
155	0.00	2.6E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
156	0.00	1.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
157	0.00	1.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
158	0.00	1.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
159	0.00	9.2E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
160	0.00	7.4E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
161	0.00	5.9E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
162	0.00	7.3E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
163	0.00	9.2E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
164	0.00	1.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
165	0.00	1.6E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
166	0.00	2.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
167	0.00	2.6E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
168	0.00	2.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
169	0.00	2.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
170	0.00	2.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
171	0.00	2.0E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
172	0.00	1.6E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
173	0.00	1.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
174	0.00	1.0E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
175	0.00	8.3E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
176	0.00	6.8E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
177	0.00	5.1E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00

178	0.00	6.2E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
179	0.00	7.6E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
180	0.00	9.6E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
181	0.00	1.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
182	0.00	1.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
183	0.00	1.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
184	0.00	2.0E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
185	0.00	2.0E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
186	0.00	1.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
187	0.00	1.6E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
188	0.00	1.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
189	0.00	1.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
190	0.00	9.1E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
191	0.00	7.6E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
192	0.00	6.3E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
193	0.00	4.5E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
194	0.00	5.3E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
195	0.00	6.4E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
196	0.00	7.8E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
197	0.00	9.6E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
198	0.00	1.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
199	0.00	1.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
200	0.00	1.4E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
201	0.00	1.4E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
202	0.00	1.4E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
203	0.00	1.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
204	0.00	1.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
205	0.00	9.2E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
206	0.00	7.6E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
207	0.00	6.8E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
208	0.00	5.8E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
209	0.00	3.9E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
210	0.00	4.6E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
211	0.00	5.4E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
212	0.00	6.5E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
213	0.00	7.7E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
214	0.00	8.9E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
215	0.00	9.9E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
216	0.00	1.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
217	0.00	1.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
218	0.00	1.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
219	0.00	1.0E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
220	0.00	9.1E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
221	0.00	8.1E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
222	0.00	6.7E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
223	0.00	5.8E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00

224	0.00	5.3E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
225	0.00	3.5E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
226	0.00	4.0E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
227	0.00	4.7E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
228	0.00	5.4E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
229	0.00	6.3E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
230	0.00	7.1E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
231	0.00	7.8E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
232	0.00	8.4E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
233	0.00	8.6E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
234	0.00	8.5E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
235	0.00	8.1E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
236	0.00	7.6E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
237	0.00	6.9E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
238	0.00	6.2E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
239	0.00	5.1E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
240	0.00	4.5E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
241	0.00	3.1E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
242	0.00	3.5E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
243	0.00	4.0E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
244	0.00	4.6E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
245	0.00	5.2E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
246	0.00	5.8E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
247	0.00	6.4E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
248	0.00	6.7E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
249	0.00	6.9E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
250	0.00	6.9E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
251	0.00	6.7E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
252	0.00	6.3E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
253	0.00	5.9E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
254	0.00	5.4E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
255	0.00	4.8E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
256	0.00	4.1E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
257	0.00	2.7E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
258	0.00	3.1E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
259	0.00	3.5E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
260	0.00	3.9E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
261	0.00	4.4E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
262	0.00	4.9E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
263	0.00	5.3E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
264	0.00	5.5E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
265	0.00	5.7E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
266	0.00	5.7E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
267	0.00	5.6E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
268	0.00	5.4E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
269	0.00	5.1E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00

270	0.00	4.7E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
271	0.00	4.3E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
272	0.00	3.7E-12	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
273	0.00	1.7E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
274	0.00	2.1E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
275	0.00	2.8E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
276	0.00	3.7E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
277	0.00	4.9E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
278	0.00	6.2E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
279	0.00	7.3E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
280	0.00	7.9E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
281	0.00	8.1E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
282	0.00	7.8E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
283	0.00	7.0E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
284	0.00	5.9E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
285	0.00	4.9E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
286	0.00	4.0E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
287	0.00	3.3E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
288	0.00	2.8E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
289	0.00	2.3E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
290	0.00	2.0E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
291	0.00	1.7E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
292	0.00	1.5E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
293	0.00	1.3E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
294	0.00	1.1E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
295	0.00	9.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
296	0.00	8.7E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
297	0.00	7.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
298	0.00	7.0E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
299	0.00	1.9E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
300	0.00	2.5E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
301	0.00	3.5E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
302	0.00	5.0E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
303	0.00	1.8E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
304	0.00	2.5E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
305	0.00	3.7E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
306	0.00	5.4E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
307	0.00	5.5E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
308	0.00	4.0E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
309	0.00	3.1E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
310	0.00	7.9E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
311	0.00	6.0E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
312	0.00	4.6E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
313	0.00	3.7E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
314	0.00	3.0E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
315	0.00	2.4E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00

316	0.00	2.0E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
317	0.00	1.7E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
318	0.00	1.5E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
319	0.00	1.3E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
320	0.00	1.1E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
321	0.00	9.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
322	0.00	8.7E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
323	0.00	7.7E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
324	0.00	6.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
325	0.00	2.1E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
326	0.00	2.9E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
327	0.00	4.2E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
328	0.00	6.6E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
329	0.00	2.1E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
330	0.00	3.2E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
331	0.00	5.0E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
332	0.00	5.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
333	0.00	4.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
334	0.00	5.0E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
335	0.00	3.5E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
336	0.00	2.6E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
337	0.00	7.1E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
338	0.00	5.1E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
339	0.00	3.9E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
340	0.00	3.1E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
341	0.00	2.5E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
342	0.00	2.1E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
343	0.00	1.7E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
344	0.00	1.5E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
345	0.00	1.3E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
346	0.00	1.1E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
347	0.00	9.6E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
348	0.00	8.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
349	0.00	7.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
350	0.00	6.7E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
351	0.00	2.2E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
352	0.00	3.1E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
353	0.00	4.8E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
354	0.00	1.7E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
355	0.00	2.3E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
356	0.00	3.6E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
357	0.00	3.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
358	0.00	8.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
359	0.00	6.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
360	0.00	5.7E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
361	0.00	3.7E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00

362	0.00	2.7E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
363	0.00	7.9E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
364	0.00	5.4E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
365	0.00	4.0E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
366	0.00	3.1E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
367	0.00	2.5E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
368	0.00	2.0E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
369	0.00	1.7E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
370	0.00	1.4E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
371	0.00	1.2E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
372	0.00	1.1E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
373	0.00	9.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
374	0.00	8.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
375	0.00	7.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
376	0.00	6.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
377	0.00	2.2E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
378	0.00	3.2E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
379	0.00	4.8E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
380	0.00	1.5E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
381	0.00	2.3E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
382	0.00	2.4E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
383	0.00	2.0E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
384	0.00	1.6E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
385	0.00	1.4E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
386	0.00	1.2E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
387	0.00	1.0E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
388	0.00	8.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
389	0.00	7.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
390	0.00	7.0E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
391	0.00	6.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
392	0.00	2.1E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
393	0.00	3.0E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
394	0.00	4.4E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
395	0.00	1.5E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
396	0.00	2.1E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
397	0.00	2.2E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
398	0.00	1.8E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
399	0.00	1.5E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
400	0.00	1.3E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
401	0.00	1.1E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
402	0.00	9.7E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
403	0.00	8.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
404	0.00	7.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
405	0.00	6.7E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
406	0.00	6.0E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
407	0.00	1.9E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00

408	0.00	2.6E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
409	0.00	3.6E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
410	0.00	5.2E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
411	0.00	1.8E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
412	0.00	2.0E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
413	0.00	1.7E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
414	0.00	1.4E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
415	0.00	1.2E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
416	0.00	1.0E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
417	0.00	9.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
418	0.00	8.0E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
419	0.00	7.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
420	0.00	6.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
421	0.00	5.7E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
422	0.00	1.7E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
423	0.00	2.2E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
424	0.00	2.9E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
425	0.00	3.8E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
426	0.00	5.1E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
427	0.00	1.8E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
428	0.00	1.5E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
429	0.00	1.3E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
430	0.00	1.1E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
431	0.00	9.7E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
432	0.00	8.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
433	0.00	7.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
434	0.00	6.6E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
435	0.00	5.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
436	0.00	5.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
437	0.00	1.5E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
438	0.00	1.8E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
439	0.00	2.4E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
440	0.00	2.8E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
441	0.00	3.5E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
442	0.00	1.6E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
443	0.00	1.3E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
444	0.00	1.2E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
445	0.00	1.0E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
446	0.00	8.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
447	0.00	7.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
448	0.00	7.0E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
449	0.00	6.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
450	0.00	5.6E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
451	0.00	5.0E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
452	0.00	1.2E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
453	0.00	1.5E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00

454	0.00	2.1E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
455	0.00	2.2E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
456	0.00	2.6E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
457	0.00	1.4E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
458	0.00	1.2E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
459	0.00	1.0E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
460	0.00	9.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
461	0.00	8.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
462	0.00	7.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
463	0.00	6.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
464	0.00	5.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
465	0.00	5.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
466	0.00	4.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
467	0.00	1.1E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
468	0.00	1.3E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
469	0.00	1.7E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
470	0.00	1.7E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
471	0.00	2.0E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
472	0.00	1.2E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
473	0.00	1.1E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
474	0.00	9.4E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
475	0.00	8.4E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
476	0.00	7.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
477	0.00	6.7E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
478	0.00	6.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
479	0.00	5.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
480	0.00	5.0E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
481	0.00	4.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
482	0.00	9.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
483	0.00	1.1E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
484	0.00	1.4E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
485	0.00	1.4E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
486	0.00	1.6E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
487	0.00	1.1E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
488	0.00	9.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
489	0.00	8.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
490	0.00	7.6E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
491	0.00	6.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
492	0.00	6.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
493	0.00	5.6E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
494	0.00	5.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
495	0.00	4.7E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
496	0.00	4.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
497	0.00	7.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
498	0.00	9.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
499	0.00	1.1E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00

500	0.00	1.4E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
501	0.00	1.3E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
502	0.00	9.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
503	0.00	8.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
504	0.00	7.7E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
505	0.00	7.0E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
506	0.00	6.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
507	0.00	5.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
508	0.00	5.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
509	0.00	4.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
510	0.00	4.4E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
511	0.00	4.0E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
512	0.00	6.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
513	0.00	7.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
514	0.00	9.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
515	0.00	1.1E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
516	0.00	1.2E-10	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
517	0.00	8.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
518	0.00	7.6E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
519	0.00	7.0E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
520	0.00	6.4E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
521	0.00	5.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
522	0.00	5.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
523	0.00	4.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
524	0.00	4.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
525	0.00	4.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
526	0.00	3.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
527	0.00	6.0E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
528	0.00	6.7E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
529	0.00	7.6E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
530	0.00	8.6E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
531	0.00	9.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
532	0.00	7.4E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
533	0.00	6.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
534	0.00	6.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
535	0.00	5.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
536	0.00	5.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
537	0.00	4.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
538	0.00	4.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
539	0.00	4.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
540	0.00	3.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
541	0.00	3.6E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
542	0.00	5.4E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
543	0.00	5.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
544	0.00	6.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
545	0.00	7.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00

546	0.00	7.7E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
547	0.00	6.7E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
548	0.00	6.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
549	0.00	5.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
550	0.00	5.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
551	0.00	4.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
552	0.00	4.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
553	0.00	4.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
554	0.00	3.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
555	0.00	3.6E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
556	0.00	3.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
557	0.00	4.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
558	0.00	5.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
559	0.00	5.7E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
560	0.00	6.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
561	0.00	6.7E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
562	0.00	5.7E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
563	0.00	5.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
564	0.00	4.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
565	0.00	4.4E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
566	0.00	4.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
567	0.00	3.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
568	0.00	3.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
569	0.00	3.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
570	0.00	3.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
571	0.00	4.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
572	0.00	4.7E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
573	0.00	5.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
574	0.00	5.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
575	0.00	5.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
576	0.00	4.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
577	0.00	4.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
578	0.00	4.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
579	0.00	3.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
580	0.00	3.6E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
581	0.00	3.4E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
582	0.00	3.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
583	0.00	2.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
584	0.00	3.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
585	0.00	4.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
586	0.00	4.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
587	0.00	4.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
588	0.00	5.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
589	0.00	4.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
590	0.00	4.0E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
591	0.00	3.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00

592	0.00	3.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
593	0.00	3.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
594	0.00	3.0E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
595	0.00	2.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
596	0.00	3.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
597	0.00	3.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
598	0.00	4.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
599	0.00	4.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
600	0.00	4.6E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
601	0.00	3.7E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
602	0.00	3.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
603	0.00	3.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
604	0.00	3.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
605	0.00	2.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
606	0.00	2.7E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
607	0.00	3.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
608	0.00	3.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
609	0.00	3.7E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
610	0.00	3.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
611	0.00	4.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
612	0.00	3.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
613	0.00	3.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
614	0.00	3.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
615	0.00	2.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
616	0.00	2.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
617	0.00	2.6E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
618	0.00	3.0E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
619	0.00	3.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
620	0.00	3.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
621	0.00	3.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
622	0.00	3.7E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
623	0.00	3.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
624	0.00	3.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
625	0.00	2.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
626	0.00	2.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
627	0.00	2.6E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
628	0.00	2.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
629	0.00	2.7E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
630	0.00	2.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
631	0.00	3.0E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
632	0.00	3.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
633	0.00	3.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
634	0.00	3.0E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
635	0.00	2.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
636	0.00	2.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
637	0.00	2.6E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00

638	0.00	2.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
639	0.00	2.4E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
640	0.00	2.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
641	0.00	2.6E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
642	0.00	2.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
643	0.00	2.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
644	0.00	3.0E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
645	0.00	2.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
646	0.00	2.7E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
647	0.00	2.6E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
648	0.00	2.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
649	0.00	2.4E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
650	0.00	2.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
651	0.00	2.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
652	0.00	2.4E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
653	0.00	2.6E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
654	0.00	2.7E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
655	0.00	2.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
656	0.00	2.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
657	0.00	3.0E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
658	0.00	3.0E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
659	0.00	3.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
660	0.00	3.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
661	0.00	3.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
662	0.00	3.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
663	0.00	3.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
664	0.00	3.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
665	0.00	3.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
666	0.00	3.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
667	0.00	3.0E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
668	0.00	2.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
669	0.00	2.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
670	0.00	2.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
671	0.00	2.7E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
672	0.00	2.6E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
673	0.00	2.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
674	0.00	2.4E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
675	0.00	2.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
676	0.00	2.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
677	0.00	2.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
678	0.00	2.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
679	0.00	2.4E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
680	0.00	2.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
681	0.00	2.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
682	0.00	2.6E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
683	0.00	2.7E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00

684	0.00	2.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
685	0.00	2.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
686	0.00	2.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
687	0.00	2.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
688	0.00	2.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
689	0.00	2.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
690	0.00	2.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
691	0.00	2.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
692	0.00	2.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
693	0.00	2.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
694	0.00	2.7E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
695	0.00	2.6E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
696	0.00	2.6E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
697	0.00	2.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
698	0.00	2.4E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
699	0.00	2.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
700	0.00	2.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
701	0.00	2.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
702	0.00	2.0E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
703	0.00	2.0E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
704	0.00	2.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
705	0.00	2.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
706	0.00	2.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
707	0.00	2.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
708	0.00	2.4E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
709	0.00	2.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
710	0.00	2.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
711	0.00	2.6E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
712	0.00	2.6E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
713	0.00	2.7E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
714	0.00	2.7E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
715	0.00	2.7E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
716	0.00	2.7E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
717	0.00	2.7E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
718	0.00	2.6E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
719	0.00	2.6E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
720	0.00	2.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
721	0.00	2.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
722	0.00	2.4E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
723	0.00	2.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
724	0.00	2.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
725	0.00	2.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
726	0.00	2.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
727	0.00	2.0E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
728	0.00	1.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
729	0.00	1.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00

730	0.00	1.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
731	0.00	2.0E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
732	0.00	2.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
733	0.00	2.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
734	0.00	2.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
735	0.00	2.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
736	0.00	2.4E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
737	0.00	2.4E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
738	0.00	2.4E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
739	0.00	2.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
740	0.00	2.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
741	0.00	2.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
742	0.00	2.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
743	0.00	2.5E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
744	0.00	2.4E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
745	0.00	2.4E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
746	0.00	2.4E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
747	0.00	2.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
748	0.00	2.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
749	0.00	2.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
750	0.00	2.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
751	0.00	2.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
752	0.00	2.0E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
753	0.00	1.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
754	0.00	1.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
755	0.00	1.7E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
756	0.00	1.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
757	0.00	1.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
758	0.00	1.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
759	0.00	2.0E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
760	0.00	2.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
761	0.00	2.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
762	0.00	2.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
763	0.00	2.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
764	0.00	2.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
765	0.00	2.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
766	0.00	2.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
767	0.00	2.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
768	0.00	2.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
769	0.00	2.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
770	0.00	2.3E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
771	0.00	2.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
772	0.00	2.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
773	0.00	2.2E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
774	0.00	2.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
775	0.00	2.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00

776	0.00	2.0E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
777	0.00	1.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
778	0.00	1.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
779	0.00	1.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
780	0.00	1.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
781	0.00	1.6E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
782	0.00	1.7E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
783	0.00	1.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
784	0.00	1.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
785	0.00	1.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
786	0.00	1.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
787	0.00	2.0E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
788	0.00	2.0E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
789	0.00	2.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
790	0.00	2.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
791	0.00	2.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
792	0.00	2.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
793	0.00	2.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
794	0.00	2.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
795	0.00	2.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
796	0.00	2.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
797	0.00	2.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
798	0.00	2.1E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
799	0.00	2.0E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
800	0.00	2.0E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
801	0.00	1.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
802	0.00	1.9E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
803	0.00	1.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
804	0.00	1.8E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
805	0.00	1.7E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
806	0.00	1.7E-11	0.0E+00	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00

Franklin School Project

Risk From Portable Set-up - Mitigated Residential

Haul Route 1A							Haul Route 2A						
Conc	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
3.2E-01	1.9E-07	1.0E-03	6.4E-11	1.6E-01	3.8E-02	3.8E-13	3.4E-01	6.0E-07	1.0E-03	2.1E-10	1.6E-01	3.8E-02	1.3E-12
3.6E-01	1.9E-07	1.0E-03	7.2E-11	1.6E-01	3.8E-02	4.4E-13	3.9E-01	6.0E-07	1.0E-03	2.4E-10	1.6E-01	3.8E-02	1.5E-12
4.1E-01	1.9E-07	1.0E-03	8.2E-11	1.6E-01	3.8E-02	4.9E-13	4.5E-01	6.0E-07	1.0E-03	2.8E-10	1.6E-01	3.8E-02	1.7E-12
4.6E-01	1.9E-07	1.0E-03	9.2E-11	1.6E-01	3.8E-02	5.5E-13	5.2E-01	6.0E-07	1.0E-03	3.2E-10	1.6E-01	3.8E-02	1.9E-12
5.1E-01	1.9E-07	1.0E-03	1.0E-10	1.6E-01	3.8E-02	6.1E-13	5.8E-01	6.0E-07	1.0E-03	3.7E-10	1.6E-01	3.8E-02	2.2E-12
5.5E-01	1.9E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.6E-13	6.5E-01	6.0E-07	1.0E-03	4.1E-10	1.6E-01	3.8E-02	2.4E-12
6.0E-01	1.9E-07	1.0E-03	1.2E-10	1.6E-01	3.8E-02	7.1E-13	7.1E-01	6.0E-07	1.0E-03	4.4E-10	1.6E-01	3.8E-02	2.7E-12
6.4E-01	1.9E-07	1.0E-03	1.3E-10	1.6E-01	3.8E-02	7.7E-13	7.7E-01	6.0E-07	1.0E-03	4.8E-10	1.6E-01	3.8E-02	2.9E-12
6.9E-01	1.9E-07	1.0E-03	1.4E-10	1.6E-01	3.8E-02	8.3E-13	8.4E-01	6.0E-07	1.0E-03	5.3E-10	1.6E-01	3.8E-02	3.2E-12
7.5E-01	1.9E-07	1.0E-03	1.5E-10	1.6E-01	3.8E-02	9.0E-13	9.2E-01	6.0E-07	1.0E-03	5.8E-10	1.6E-01	3.8E-02	3.5E-12
8.0E-01	1.9E-07	1.0E-03	1.6E-10	1.6E-01	3.8E-02	9.6E-13	9.9E-01	6.0E-07	1.0E-03	6.2E-10	1.6E-01	3.8E-02	3.7E-12
8.4E-01	1.9E-07	1.0E-03	1.7E-10	1.6E-01	3.8E-02	1.0E-12	1.0E+00	6.0E-07	1.0E-03	6.5E-10	1.6E-01	3.8E-02	3.9E-12
8.5E-01	1.9E-07	1.0E-03	1.7E-10	1.6E-01	3.8E-02	1.0E-12	1.0E+00	6.0E-07	1.0E-03	6.5E-10	1.6E-01	3.8E-02	3.9E-12
8.3E-01	1.9E-07	1.0E-03	1.7E-10	1.6E-01	3.8E-02	1.0E-12	1.0E+00	6.0E-07	1.0E-03	6.3E-10	1.6E-01	3.8E-02	3.8E-12
7.9E-01	1.9E-07	1.0E-03	1.6E-10	1.6E-01	3.8E-02	9.5E-13	9.5E-01	6.0E-07	1.0E-03	6.0E-10	1.6E-01	3.8E-02	3.6E-12
7.4E-01	1.9E-07	1.0E-03	1.5E-10	1.6E-01	3.8E-02	8.9E-13	8.8E-01	6.0E-07	1.0E-03	5.5E-10	1.6E-01	3.8E-02	3.3E-12
3.8E-01	1.9E-07	1.0E-03	7.5E-11	1.6E-01	3.8E-02	4.5E-13	3.9E-01	6.0E-07	1.0E-03	2.5E-10	1.6E-01	3.8E-02	1.5E-12
4.4E-01	1.9E-07	1.0E-03	8.7E-11	1.6E-01	3.8E-02	5.2E-13	4.7E-01	6.0E-07	1.0E-03	2.9E-10	1.6E-01	3.8E-02	1.8E-12
5.1E-01	1.9E-07	1.0E-03	1.0E-10	1.6E-01	3.8E-02	6.1E-13	5.5E-01	6.0E-07	1.0E-03	3.5E-10	1.6E-01	3.8E-02	2.1E-12
5.8E-01	1.9E-07	1.0E-03	1.2E-10	1.6E-01	3.8E-02	7.0E-13	6.5E-01	6.0E-07	1.0E-03	4.1E-10	1.6E-01	3.8E-02	2.5E-12
6.6E-01	1.9E-07	1.0E-03	1.3E-10	1.6E-01	3.8E-02	7.9E-13	7.6E-01	6.0E-07	1.0E-03	4.8E-10	1.6E-01	3.8E-02	2.9E-12
7.3E-01	1.9E-07	1.0E-03	1.4E-10	1.6E-01	3.8E-02	8.7E-13	8.7E-01	6.0E-07	1.0E-03	5.5E-10	1.6E-01	3.8E-02	3.3E-12
8.0E-01	1.9E-07	1.0E-03	1.6E-10	1.6E-01	3.8E-02	9.6E-13	9.7E-01	6.0E-07	1.0E-03	6.1E-10	1.6E-01	3.8E-02	3.7E-12
8.7E-01	1.9E-07	1.0E-03	1.7E-10	1.6E-01	3.8E-02	1.0E-12	1.1E+00	6.0E-07	1.0E-03	6.8E-10	1.6E-01	3.8E-02	4.1E-12
9.6E-01	1.9E-07	1.0E-03	1.9E-10	1.6E-01	3.8E-02	1.2E-12	1.2E+00	6.0E-07	1.0E-03	7.6E-10	1.6E-01	3.8E-02	4.6E-12
1.1E+00	1.9E-07	1.0E-03	2.1E-10	1.6E-01	3.8E-02	1.3E-12	1.3E+00	6.0E-07	1.0E-03	8.4E-10	1.6E-01	3.8E-02	5.0E-12
1.1E+00	1.9E-07	1.0E-03	2.2E-10	1.6E-01	3.8E-02	1.3E-12	1.4E+00	6.0E-07	1.0E-03	8.9E-10	1.6E-01	3.8E-02	5.4E-12
1.1E+00	1.9E-07	1.0E-03	2.2E-10	1.6E-01	3.8E-02	1.4E-12	1.4E+00	6.0E-07	1.0E-03	9.0E-10	1.6E-01	3.8E-02	5.4E-12
1.1E+00	1.9E-07	1.0E-03	2.2E-10	1.6E-01	3.8E-02	1.3E-12	1.4E+00	6.0E-07	1.0E-03	8.7E-10	1.6E-01	3.8E-02	5.2E-12
1.0E+00	1.9E-07	1.0E-03	2.1E-10	1.6E-01	3.8E-02	1.3E-12	1.3E+00	6.0E-07	1.0E-03	8.0E-10	1.6E-01	3.8E-02	4.8E-12
9.6E-01	1.9E-07	1.0E-03	1.9E-10	1.6E-01	3.8E-02	1.1E-12	1.2E+00	6.0E-07	1.0E-03	7.2E-10	1.6E-01	3.8E-02	4.4E-12
8.7E-01	1.9E-07	1.0E-03	1.7E-10	1.6E-01	3.8E-02	1.0E-12	1.0E+00	6.0E-07	1.0E-03	6.4E-10	1.6E-01	3.8E-02	3.9E-12
4.4E-01	1.9E-07	1.0E-03	8.8E-11	1.6E-01	3.8E-02	5.3E-13	4.5E-01	6.0E-07	1.0E-03	2.9E-10	1.6E-01	3.8E-02	1.7E-12
5.3E-01	1.9E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.3E-13	5.6E-01	6.0E-07	1.0E-03	3.5E-10	1.6E-01	3.8E-02	2.1E-12
6.3E-01	1.9E-07	1.0E-03	1.3E-10	1.6E-01	3.8E-02	7.6E-13	6.9E-01	6.0E-07	1.0E-03	4.3E-10	1.6E-01	3.8E-02	2.6E-12
7.6E-01	1.9E-07	1.0E-03	1.5E-10	1.6E-01	3.8E-02	9.1E-13	8.5E-01	6.0E-07	1.0E-03	5.3E-10	1.6E-01	3.8E-02	3.2E-12
8.9E-01	1.9E-07	1.0E-03	1.8E-10	1.6E-01	3.8E-02	1.1E-12	1.0E+00	6.0E-07	1.0E-03	6.5E-10	1.6E-01	3.8E-02	3.9E-12
1.0E+00	1.9E-07	1.0E-03	2.0E-10	1.6E-01	3.8E-02	1.2E-12	1.2E+00	6.0E-07	1.0E-03	7.8E-10	1.6E-01	3.8E-02	4.7E-12
1.1E+00	1.9E-07	1.0E-03	2.3E-10	1.6E-01	3.8E-02	1.4E-12	1.4E+00	6.0E-07	1.0E-03	9.0E-10	1.6E-01	3.8E-02	5.4E-12

1.3E+00	1.9E-07	1.0E-03	2.5E-10	1.6E-01	3.8E-02	1.5E-12	1.6E+00	6.0E-07	1.0E-03	1.0E-09	1.6E-01	3.8E-02	6.2E-12
1.4E+00	1.9E-07	1.0E-03	2.8E-10	1.6E-01	3.8E-02	1.7E-12	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.1E-12
1.5E+00	1.9E-07	1.0E-03	3.1E-10	1.6E-01	3.8E-02	1.8E-12	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	7.8E-12
1.6E+00	1.9E-07	1.0E-03	3.1E-10	1.6E-01	3.8E-02	1.9E-12	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	7.9E-12
1.5E+00	1.9E-07	1.0E-03	3.1E-10	1.6E-01	3.8E-02	1.8E-12	2.0E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	7.5E-12
1.4E+00	1.9E-07	1.0E-03	2.8E-10	1.6E-01	3.8E-02	1.7E-12	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.8E-12
1.3E+00	1.9E-07	1.0E-03	2.5E-10	1.6E-01	3.8E-02	1.5E-12	1.6E+00	6.0E-07	1.0E-03	9.9E-10	1.6E-01	3.8E-02	6.0E-12
1.1E+00	1.9E-07	1.0E-03	2.2E-10	1.6E-01	3.8E-02	1.4E-12	1.3E+00	6.0E-07	1.0E-03	8.4E-10	1.6E-01	3.8E-02	5.1E-12
9.8E-01	1.9E-07	1.0E-03	1.9E-10	1.6E-01	3.8E-02	1.2E-12	1.1E+00	6.0E-07	1.0E-03	7.1E-10	1.6E-01	3.8E-02	4.3E-12
5.2E-01	1.9E-07	1.0E-03	1.0E-10	1.6E-01	3.8E-02	6.2E-13	5.2E-01	6.0E-07	1.0E-03	3.3E-10	1.6E-01	3.8E-02	2.0E-12
6.4E-01	1.9E-07	1.0E-03	1.3E-10	1.6E-01	3.8E-02	7.7E-13	6.6E-01	6.0E-07	1.0E-03	4.2E-10	1.6E-01	3.8E-02	2.5E-12
8.1E-01	1.9E-07	1.0E-03	1.6E-10	1.6E-01	3.8E-02	9.7E-13	8.6E-01	6.0E-07	1.0E-03	5.4E-10	1.6E-01	3.8E-02	3.2E-12
1.0E+00	1.9E-07	1.0E-03	2.0E-10	1.6E-01	3.8E-02	1.2E-12	1.1E+00	6.0E-07	1.0E-03	7.1E-10	1.6E-01	3.8E-02	4.3E-12
1.3E+00	1.9E-07	1.0E-03	2.5E-10	1.6E-01	3.8E-02	1.5E-12	1.5E+00	6.0E-07	1.0E-03	9.3E-10	1.6E-01	3.8E-02	5.6E-12
1.5E+00	1.9E-07	1.0E-03	3.0E-10	1.6E-01	3.8E-02	1.8E-12	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.2E-12
1.7E+00	1.9E-07	1.0E-03	3.5E-10	1.6E-01	3.8E-02	2.1E-12	2.3E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	3.8E-02	8.8E-12
2.0E+00	1.9E-07	1.0E-03	4.0E-10	1.6E-01	3.8E-02	2.4E-12	2.8E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	3.8E-02	1.1E-11
2.3E+00	1.9E-07	1.0E-03	4.5E-10	1.6E-01	3.8E-02	2.7E-12	3.2E+00	6.0E-07	1.0E-03	2.0E-09	1.6E-01	3.8E-02	1.2E-11
2.4E+00	1.9E-07	1.0E-03	4.7E-10	1.6E-01	3.8E-02	2.8E-12	3.4E+00	6.0E-07	1.0E-03	2.1E-09	1.6E-01	3.8E-02	1.3E-11
2.3E+00	1.9E-07	1.0E-03	4.5E-10	1.6E-01	3.8E-02	2.7E-12	3.1E+00	6.0E-07	1.0E-03	2.0E-09	1.6E-01	3.8E-02	1.2E-11
2.1E+00	1.9E-07	1.0E-03	4.1E-10	1.6E-01	3.8E-02	2.5E-12	2.7E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	3.8E-02	1.0E-11
1.8E+00	1.9E-07	1.0E-03	3.5E-10	1.6E-01	3.8E-02	2.1E-12	2.3E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	3.8E-02	8.5E-12
1.5E+00	1.9E-07	1.0E-03	3.0E-10	1.6E-01	3.8E-02	1.8E-12	1.8E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.0E-12
1.3E+00	1.9E-07	1.0E-03	2.5E-10	1.6E-01	3.8E-02	1.5E-12	1.5E+00	6.0E-07	1.0E-03	9.4E-10	1.6E-01	3.8E-02	5.6E-12
1.1E+00	1.9E-07	1.0E-03	2.1E-10	1.6E-01	3.8E-02	1.3E-12	1.2E+00	6.0E-07	1.0E-03	7.6E-10	1.6E-01	3.8E-02	4.6E-12
6.0E-01	1.9E-07	1.0E-03	1.2E-10	1.6E-01	3.8E-02	7.2E-13	5.9E-01	6.0E-07	1.0E-03	3.7E-10	1.6E-01	3.8E-02	2.2E-12
7.8E-01	1.9E-07	1.0E-03	1.5E-10	1.6E-01	3.8E-02	9.3E-13	7.8E-01	6.0E-07	1.0E-03	4.9E-10	1.6E-01	3.8E-02	2.9E-12
1.0E+00	1.9E-07	1.0E-03	2.1E-10	1.6E-01	3.8E-02	1.2E-12	1.1E+00	6.0E-07	1.0E-03	6.7E-10	1.6E-01	3.8E-02	4.0E-12
1.4E+00	1.9E-07	1.0E-03	2.8E-10	1.6E-01	3.8E-02	1.7E-12	1.5E+00	6.0E-07	1.0E-03	9.6E-10	1.6E-01	3.8E-02	5.8E-12
1.9E+00	1.9E-07	1.0E-03	3.8E-10	1.6E-01	3.8E-02	2.3E-12	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	3.8E-02	8.5E-12
2.5E+00	1.9E-07	1.0E-03	4.9E-10	1.6E-01	3.8E-02	3.0E-12	3.3E+00	6.0E-07	1.0E-03	2.1E-09	1.6E-01	3.8E-02	1.2E-11
3.0E+00	1.9E-07	1.0E-03	6.1E-10	1.6E-01	3.8E-02	3.6E-12	4.5E+00	6.0E-07	1.0E-03	2.8E-09	1.6E-01	3.8E-02	1.7E-11
3.6E+00	1.9E-07	1.0E-03	7.3E-10	1.6E-01	3.8E-02	4.4E-12	5.6E+00	6.0E-07	1.0E-03	3.5E-09	1.6E-01	3.8E-02	2.1E-11
3.9E+00	1.9E-07	1.0E-03	7.8E-10	1.6E-01	3.8E-02	4.7E-12	6.2E+00	6.0E-07	1.0E-03	3.9E-09	1.6E-01	3.8E-02	2.3E-11
3.7E+00	1.9E-07	1.0E-03	7.4E-10	1.6E-01	3.8E-02	4.5E-12	5.6E+00	6.0E-07	1.0E-03	3.5E-09	1.6E-01	3.8E-02	2.1E-11
3.2E+00	1.9E-07	1.0E-03	6.4E-10	1.6E-01	3.8E-02	3.8E-12	4.5E+00	6.0E-07	1.0E-03	2.8E-09	1.6E-01	3.8E-02	1.7E-11
2.6E+00	1.9E-07	1.0E-03	5.2E-10	1.6E-01	3.8E-02	3.1E-12	3.4E+00	6.0E-07	1.0E-03	2.2E-09	1.6E-01	3.8E-02	1.3E-11
2.1E+00	1.9E-07	1.0E-03	4.2E-10	1.6E-01	3.8E-02	2.5E-12	2.6E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	3.8E-02	9.9E-12
1.7E+00	1.9E-07	1.0E-03	3.4E-10	1.6E-01	3.8E-02	2.0E-12	2.0E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	7.6E-12
1.4E+00	1.9E-07	1.0E-03	2.7E-10	1.6E-01	3.8E-02	1.6E-12	1.5E+00	6.0E-07	1.0E-03	9.7E-10	1.6E-01	3.8E-02	5.9E-12
1.1E+00	1.9E-07	1.0E-03	2.2E-10	1.6E-01	3.8E-02	1.3E-12	1.2E+00	6.0E-07	1.0E-03	7.7E-10	1.6E-01	3.8E-02	4.6E-12
6.8E-01	1.9E-07	1.0E-03	1.4E-10	1.6E-01	3.8E-02	8.2E-13	6.5E-01	6.0E-07	1.0E-03	4.1E-10	1.6E-01	3.8E-02	2.4E-12
9.3E-01	1.9E-07	1.0E-03	1.8E-10	1.6E-01	3.8E-02	1.1E-12	8.8E-01	6.0E-07	1.0E-03	5.5E-10	1.6E-01	3.8E-02	3.3E-12
1.3E+00	1.9E-07	1.0E-03	2.6E-10	1.6E-01	3.8E-02	1.6E-12	1.3E+00	6.0E-07	1.0E-03	8.1E-10	1.6E-01	3.8E-02	4.9E-12
2.0E+00	1.9E-07	1.0E-03	3.9E-10	1.6E-01	3.8E-02	2.4E-12	2.0E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	7.6E-12
3.1E+00	1.9E-07	1.0E-03	6.1E-10	1.6E-01	3.8E-02	3.7E-12	3.5E+00	6.0E-07	1.0E-03	2.2E-09	1.6E-01	3.8E-02	1.3E-11

4.8E+00	1.9E-07	1.0E-03	9.5E-10	1.6E-01	3.8E-02	5.7E-12	6.5E+00	6.0E-07	1.0E-03	4.1E-09	1.6E-01	3.8E-02	2.4E-11
6.6E+00	1.9E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	7.9E-12	1.1E+01	6.0E-07	1.0E-03	7.1E-09	1.6E-01	3.8E-02	4.3E-11
7.9E+00	1.9E-07	1.0E-03	1.6E-09	1.6E-01	3.8E-02	9.5E-12	1.5E+01	6.0E-07	1.0E-03	9.4E-09	1.6E-01	3.8E-02	5.6E-11
7.2E+00	1.9E-07	1.0E-03	1.4E-09	1.6E-01	3.8E-02	8.6E-12	1.3E+01	6.0E-07	1.0E-03	8.1E-09	1.6E-01	3.8E-02	4.9E-11
5.6E+00	1.9E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.7E-12	8.7E+00	6.0E-07	1.0E-03	5.5E-09	1.6E-01	3.8E-02	3.3E-11
4.2E+00	1.9E-07	1.0E-03	8.3E-10	1.6E-01	3.8E-02	5.0E-12	5.7E+00	6.0E-07	1.0E-03	3.6E-09	1.6E-01	3.8E-02	2.2E-11
3.1E+00	1.9E-07	1.0E-03	6.1E-10	1.6E-01	3.8E-02	3.7E-12	3.9E+00	6.0E-07	1.0E-03	2.4E-09	1.6E-01	3.8E-02	1.5E-11
2.3E+00	1.9E-07	1.0E-03	4.6E-10	1.6E-01	3.8E-02	2.8E-12	2.7E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	3.8E-02	1.0E-11
1.8E+00	1.9E-07	1.0E-03	3.5E-10	1.6E-01	3.8E-02	2.1E-12	2.0E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.5E-12
1.4E+00	1.9E-07	1.0E-03	2.7E-10	1.6E-01	3.8E-02	1.6E-12	1.5E+00	6.0E-07	1.0E-03	9.4E-10	1.6E-01	3.8E-02	5.6E-12
1.1E+00	1.9E-07	1.0E-03	2.1E-10	1.6E-01	3.8E-02	1.3E-12	1.2E+00	6.0E-07	1.0E-03	7.2E-10	1.6E-01	3.8E-02	4.4E-12
7.5E-01	1.9E-07	1.0E-03	1.5E-10	1.6E-01	3.8E-02	9.0E-13	6.8E-01	6.0E-07	1.0E-03	4.3E-10	1.6E-01	3.8E-02	2.6E-12
1.1E+00	1.9E-07	1.0E-03	2.1E-10	1.6E-01	3.8E-02	1.3E-12	9.5E-01	6.0E-07	1.0E-03	5.9E-10	1.6E-01	3.8E-02	3.6E-12
1.6E+00	1.9E-07	1.0E-03	3.2E-10	1.6E-01	3.8E-02	1.9E-12	1.4E+00	6.0E-07	1.0E-03	9.1E-10	1.6E-01	3.8E-02	5.5E-12
2.7E+00	1.9E-07	1.0E-03	5.4E-10	1.6E-01	3.8E-02	3.2E-12	2.5E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	3.8E-02	9.3E-12
5.2E+00	1.9E-07	1.0E-03	1.0E-09	1.6E-01	3.8E-02	6.2E-12	5.0E+00	6.0E-07	1.0E-03	3.1E-09	1.6E-01	3.8E-02	1.9E-11
1.2E+01	1.9E-07	1.0E-03	2.3E-09	1.6E-01	3.8E-02	1.4E-11	1.4E+01	6.0E-07	1.0E-03	8.9E-09	1.6E-01	3.8E-02	5.4E-11
2.3E+01	1.9E-07	1.0E-03	4.7E-09	1.6E-01	3.8E-02	2.8E-11	5.4E+01	6.0E-07	1.0E-03	3.4E-08	1.6E-01	3.8E-02	2.0E-10
2.0E+01	1.9E-07	1.0E-03	4.0E-09	1.6E-01	3.8E-02	2.4E-11	6.1E+01	6.0E-07	1.0E-03	3.8E-08	1.6E-01	3.8E-02	2.3E-10
1.2E+01	1.9E-07	1.0E-03	2.4E-09	1.6E-01	3.8E-02	1.5E-11	2.4E+01	6.0E-07	1.0E-03	1.5E-08	1.6E-01	3.8E-02	9.0E-11
7.4E+00	1.9E-07	1.0E-03	1.5E-09	1.6E-01	3.8E-02	8.8E-12	1.1E+01	6.0E-07	1.0E-03	6.9E-09	1.6E-01	3.8E-02	4.1E-11
4.7E+00	1.9E-07	1.0E-03	9.4E-10	1.6E-01	3.8E-02	5.7E-12	6.0E+00	6.0E-07	1.0E-03	3.8E-09	1.6E-01	3.8E-02	2.3E-11
3.2E+00	1.9E-07	1.0E-03	6.4E-10	1.6E-01	3.8E-02	3.9E-12	3.8E+00	6.0E-07	1.0E-03	2.4E-09	1.6E-01	3.8E-02	1.4E-11
2.3E+00	1.9E-07	1.0E-03	4.5E-10	1.6E-01	3.8E-02	2.7E-12	2.5E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	3.8E-02	9.6E-12
1.7E+00	1.9E-07	1.0E-03	3.3E-10	1.6E-01	3.8E-02	2.0E-12	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.8E-12
1.3E+00	1.9E-07	1.0E-03	2.6E-10	1.6E-01	3.8E-02	1.5E-12	1.3E+00	6.0E-07	1.0E-03	8.4E-10	1.6E-01	3.8E-02	5.1E-12
1.0E+00	1.9E-07	1.0E-03	2.0E-10	1.6E-01	3.8E-02	1.2E-12	1.0E+00	6.0E-07	1.0E-03	6.5E-10	1.6E-01	3.8E-02	3.9E-12
7.9E-01	1.9E-07	1.0E-03	1.6E-10	1.6E-01	3.8E-02	9.4E-13	6.9E-01	6.0E-07	1.0E-03	4.3E-10	1.6E-01	3.8E-02	2.6E-12
1.1E+00	1.9E-07	1.0E-03	2.3E-10	1.6E-01	3.8E-02	1.4E-12	9.7E-01	6.0E-07	1.0E-03	6.1E-10	1.6E-01	3.8E-02	3.7E-12
1.8E+00	1.9E-07	1.0E-03	3.6E-10	1.6E-01	3.8E-02	2.2E-12	1.5E+00	6.0E-07	1.0E-03	9.3E-10	1.6E-01	3.8E-02	5.6E-12
3.3E+00	1.9E-07	1.0E-03	6.5E-10	1.6E-01	3.8E-02	3.9E-12	2.6E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	3.8E-02	9.7E-12
7.6E+00	1.9E-07	1.0E-03	1.5E-09	1.6E-01	3.8E-02	9.1E-12	5.5E+00	6.0E-07	1.0E-03	3.4E-09	1.6E-01	3.8E-02	2.1E-11
7.7E+00	1.9E-07	1.0E-03	1.5E-09	1.6E-01	3.8E-02	9.3E-12	9.6E+00	6.0E-07	1.0E-03	6.0E-09	1.6E-01	3.8E-02	3.6E-11
4.5E+00	1.9E-07	1.0E-03	9.0E-10	1.6E-01	3.8E-02	5.4E-12	5.1E+00	6.0E-07	1.0E-03	3.2E-09	1.6E-01	3.8E-02	1.9E-11
3.0E+00	1.9E-07	1.0E-03	5.9E-10	1.6E-01	3.8E-02	3.5E-12	3.2E+00	6.0E-07	1.0E-03	2.0E-09	1.6E-01	3.8E-02	1.2E-11
2.1E+00	1.9E-07	1.0E-03	4.1E-10	1.6E-01	3.8E-02	2.5E-12	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	8.1E-12
1.5E+00	1.9E-07	1.0E-03	3.0E-10	1.6E-01	3.8E-02	1.8E-12	1.5E+00	6.0E-07	1.0E-03	9.7E-10	1.6E-01	3.8E-02	5.8E-12
1.1E+00	1.9E-07	1.0E-03	2.3E-10	1.6E-01	3.8E-02	1.4E-12	1.2E+00	6.0E-07	1.0E-03	7.3E-10	1.6E-01	3.8E-02	4.4E-12
9.0E-01	1.9E-07	1.0E-03	1.8E-10	1.6E-01	3.8E-02	1.1E-12	9.0E-01	6.0E-07	1.0E-03	5.7E-10	1.6E-01	3.8E-02	3.4E-12
7.8E-01	1.9E-07	1.0E-03	1.6E-10	1.6E-01	3.8E-02	9.4E-13	6.6E-01	6.0E-07	1.0E-03	4.1E-10	1.6E-01	3.8E-02	2.5E-12
1.1E+00	1.9E-07	1.0E-03	2.3E-10	1.6E-01	3.8E-02	1.4E-12	9.1E-01	6.0E-07	1.0E-03	5.7E-10	1.6E-01	3.8E-02	3.5E-12
1.8E+00	1.9E-07	1.0E-03	3.6E-10	1.6E-01	3.8E-02	2.1E-12	1.4E+00	6.0E-07	1.0E-03	8.5E-10	1.6E-01	3.8E-02	5.1E-12
3.3E+00	1.9E-07	1.0E-03	6.5E-10	1.6E-01	3.8E-02	3.9E-12	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	3.8E-02	8.4E-12
7.4E+00	1.9E-07	1.0E-03	1.5E-09	1.6E-01	3.8E-02	8.9E-12	4.1E+00	6.0E-07	1.0E-03	2.6E-09	1.6E-01	3.8E-02	1.5E-11
6.3E+00	1.9E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	7.6E-12	6.4E+00	6.0E-07	1.0E-03	4.0E-09	1.6E-01	3.8E-02	2.4E-11
3.7E+00	1.9E-07	1.0E-03	7.4E-10	1.6E-01	3.8E-02	4.5E-12	3.9E+00	6.0E-07	1.0E-03	2.4E-09	1.6E-01	3.8E-02	1.5E-11

2.4E+00	1.9E-07	1.0E-03	4.8E-10	1.6E-01	3.8E-02	2.9E-12	2.5E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	3.8E-02	9.4E-12
1.7E+00	1.9E-07	1.0E-03	3.5E-10	1.6E-01	3.8E-02	2.1E-12	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.7E-12
1.3E+00	1.9E-07	1.0E-03	2.6E-10	1.6E-01	3.8E-02	1.5E-12	1.3E+00	6.0E-07	1.0E-03	8.2E-10	1.6E-01	3.8E-02	4.9E-12
9.9E-01	1.9E-07	1.0E-03	2.0E-10	1.6E-01	3.8E-02	1.2E-12	9.9E-01	6.0E-07	1.0E-03	6.2E-10	1.6E-01	3.8E-02	3.8E-12
7.8E-01	1.9E-07	1.0E-03	1.6E-10	1.6E-01	3.8E-02	9.4E-13	7.8E-01	6.0E-07	1.0E-03	4.9E-10	1.6E-01	3.8E-02	3.0E-12
7.4E-01	1.9E-07	1.0E-03	1.5E-10	1.6E-01	3.8E-02	8.9E-13	6.1E-01	6.0E-07	1.0E-03	3.8E-10	1.6E-01	3.8E-02	2.3E-12
1.0E+00	1.9E-07	1.0E-03	2.1E-10	1.6E-01	3.8E-02	1.3E-12	8.2E-01	6.0E-07	1.0E-03	5.1E-10	1.6E-01	3.8E-02	3.1E-12
1.6E+00	1.9E-07	1.0E-03	3.1E-10	1.6E-01	3.8E-02	1.9E-12	1.1E+00	6.0E-07	1.0E-03	7.2E-10	1.6E-01	3.8E-02	4.3E-12
2.7E+00	1.9E-07	1.0E-03	5.3E-10	1.6E-01	3.8E-02	3.2E-12	1.7E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.5E-12
5.0E+00	1.9E-07	1.0E-03	9.8E-10	1.6E-01	3.8E-02	5.9E-12	2.7E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	3.8E-02	1.0E-11
4.5E+00	1.9E-07	1.0E-03	8.9E-10	1.6E-01	3.8E-02	5.3E-12	4.2E+00	6.0E-07	1.0E-03	2.6E-09	1.6E-01	3.8E-02	1.6E-11
2.9E+00	1.9E-07	1.0E-03	5.7E-10	1.6E-01	3.8E-02	3.4E-12	2.8E+00	6.0E-07	1.0E-03	1.8E-09	1.6E-01	3.8E-02	1.1E-11
2.0E+00	1.9E-07	1.0E-03	3.9E-10	1.6E-01	3.8E-02	2.4E-12	2.0E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	7.5E-12
1.5E+00	1.9E-07	1.0E-03	2.9E-10	1.6E-01	3.8E-02	1.8E-12	1.5E+00	6.0E-07	1.0E-03	9.3E-10	1.6E-01	3.8E-02	5.6E-12
1.1E+00	1.9E-07	1.0E-03	2.2E-10	1.6E-01	3.8E-02	1.3E-12	1.1E+00	6.0E-07	1.0E-03	7.0E-10	1.6E-01	3.8E-02	4.2E-12
8.6E-01	1.9E-07	1.0E-03	1.7E-10	1.6E-01	3.8E-02	1.0E-12	8.7E-01	6.0E-07	1.0E-03	5.4E-10	1.6E-01	3.8E-02	3.3E-12
6.9E-01	1.9E-07	1.0E-03	1.4E-10	1.6E-01	3.8E-02	8.2E-13	6.9E-01	6.0E-07	1.0E-03	4.3E-10	1.6E-01	3.8E-02	2.6E-12
6.7E-01	1.9E-07	1.0E-03	1.3E-10	1.6E-01	3.8E-02	8.1E-13	5.4E-01	6.0E-07	1.0E-03	3.4E-10	1.6E-01	3.8E-02	2.1E-12
9.0E-01	1.9E-07	1.0E-03	1.8E-10	1.6E-01	3.8E-02	1.1E-12	7.0E-01	6.0E-07	1.0E-03	4.4E-10	1.6E-01	3.8E-02	2.6E-12
1.3E+00	1.9E-07	1.0E-03	2.6E-10	1.6E-01	3.8E-02	1.5E-12	9.4E-01	6.0E-07	1.0E-03	5.9E-10	1.6E-01	3.8E-02	3.5E-12
2.0E+00	1.9E-07	1.0E-03	3.9E-10	1.6E-01	3.8E-02	2.3E-12	1.3E+00	6.0E-07	1.0E-03	8.2E-10	1.6E-01	3.8E-02	4.9E-12
3.1E+00	1.9E-07	1.0E-03	6.2E-10	1.6E-01	3.8E-02	3.8E-12	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.0E-12
3.3E+00	1.9E-07	1.0E-03	6.6E-10	1.6E-01	3.8E-02	4.0E-12	3.0E+00	6.0E-07	1.0E-03	1.9E-09	1.6E-01	3.8E-02	1.1E-11
2.3E+00	1.9E-07	1.0E-03	4.5E-10	1.6E-01	3.8E-02	2.7E-12	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	3.8E-02	8.3E-12
1.6E+00	1.9E-07	1.0E-03	3.2E-10	1.6E-01	3.8E-02	1.9E-12	1.6E+00	6.0E-07	1.0E-03	1.0E-09	1.6E-01	3.8E-02	6.1E-12
1.2E+00	1.9E-07	1.0E-03	2.5E-10	1.6E-01	3.8E-02	1.5E-12	1.3E+00	6.0E-07	1.0E-03	8.0E-10	1.6E-01	3.8E-02	4.8E-12
9.6E-01	1.9E-07	1.0E-03	1.9E-10	1.6E-01	3.8E-02	1.1E-12	9.8E-01	6.0E-07	1.0E-03	6.2E-10	1.6E-01	3.8E-02	3.7E-12
7.6E-01	1.9E-07	1.0E-03	1.5E-10	1.6E-01	3.8E-02	9.1E-13	7.8E-01	6.0E-07	1.0E-03	4.9E-10	1.6E-01	3.8E-02	2.9E-12
6.1E-01	1.9E-07	1.0E-03	1.2E-10	1.6E-01	3.8E-02	7.3E-13	6.3E-01	6.0E-07	1.0E-03	3.9E-10	1.6E-01	3.8E-02	2.4E-12
5.9E-01	1.9E-07	1.0E-03	1.2E-10	1.6E-01	3.8E-02	7.0E-13	4.7E-01	6.0E-07	1.0E-03	3.0E-10	1.6E-01	3.8E-02	1.8E-12
7.6E-01	1.9E-07	1.0E-03	1.5E-10	1.6E-01	3.8E-02	9.1E-13	5.9E-01	6.0E-07	1.0E-03	3.7E-10	1.6E-01	3.8E-02	2.2E-12
1.0E+00	1.9E-07	1.0E-03	2.0E-10	1.6E-01	3.8E-02	1.2E-12	7.6E-01	6.0E-07	1.0E-03	4.8E-10	1.6E-01	3.8E-02	2.9E-12
1.4E+00	1.9E-07	1.0E-03	2.8E-10	1.6E-01	3.8E-02	1.7E-12	1.0E+00	6.0E-07	1.0E-03	6.3E-10	1.6E-01	3.8E-02	3.8E-12
2.1E+00	1.9E-07	1.0E-03	4.2E-10	1.6E-01	3.8E-02	2.5E-12	1.4E+00	6.0E-07	1.0E-03	8.6E-10	1.6E-01	3.8E-02	5.2E-12
2.9E+00	1.9E-07	1.0E-03	5.8E-10	1.6E-01	3.8E-02	3.5E-12	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.9E-12
3.6E+00	1.9E-07	1.0E-03	7.1E-10	1.6E-01	3.8E-02	4.3E-12	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	3.8E-02	8.5E-12
3.6E+00	1.9E-07	1.0E-03	7.2E-10	1.6E-01	3.8E-02	4.4E-12	2.5E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	3.8E-02	9.3E-12
3.1E+00	1.9E-07	1.0E-03	6.3E-10	1.6E-01	3.8E-02	3.8E-12	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	3.8E-02	9.1E-12
2.5E+00	1.9E-07	1.0E-03	4.9E-10	1.6E-01	3.8E-02	3.0E-12	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	8.0E-12
1.9E+00	1.9E-07	1.0E-03	3.7E-10	1.6E-01	3.8E-02	2.2E-12	1.7E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.6E-12
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6.8E-01	1.9E-07	1.0E-03	1.4E-10	1.6E-01	3.8E-02	8.2E-13	7.0E-01	6.0E-07	1.0E-03	4.4E-10	1.6E-01	3.8E-02	2.7E-12
5.6E-01	1.9E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.7E-13	5.7E-01	6.0E-07	1.0E-03	3.6E-10	1.6E-01	3.8E-02	2.2E-12
5.1E-01	1.9E-07	1.0E-03	1.0E-10	1.6E-01	3.8E-02	6.1E-13	4.1E-01	6.0E-07	1.0E-03	2.6E-10	1.6E-01	3.8E-02	1.6E-12

6.4E-01	1.9E-07	1.0E-03	1.3E-10	1.6E-01	3.8E-02	7.6E-13	5.0E-01	6.0E-07	1.0E-03	3.2E-10	1.6E-01	3.8E-02	1.9E-12
8.2E-01	1.9E-07	1.0E-03	1.6E-10	1.6E-01	3.8E-02	9.8E-13	6.2E-01	6.0E-07	1.0E-03	3.9E-10	1.6E-01	3.8E-02	2.4E-12
1.1E+00	1.9E-07	1.0E-03	2.2E-10	1.6E-01	3.8E-02	1.3E-12	8.0E-01	6.0E-07	1.0E-03	5.0E-10	1.6E-01	3.8E-02	3.0E-12
1.5E+00	1.9E-07	1.0E-03	2.9E-10	1.6E-01	3.8E-02	1.8E-12	1.0E+00	6.0E-07	1.0E-03	6.5E-10	1.6E-01	3.8E-02	3.9E-12
1.9E+00	1.9E-07	1.0E-03	3.7E-10	1.6E-01	3.8E-02	2.3E-12	1.3E+00	6.0E-07	1.0E-03	8.1E-10	1.6E-01	3.8E-02	4.9E-12
2.2E+00	1.9E-07	1.0E-03	4.4E-10	1.6E-01	3.8E-02	2.6E-12	1.5E+00	6.0E-07	1.0E-03	9.5E-10	1.6E-01	3.8E-02	5.7E-12
2.3E+00	1.9E-07	1.0E-03	4.6E-10	1.6E-01	3.8E-02	2.8E-12	1.7E+00	6.0E-07	1.0E-03	1.0E-09	1.6E-01	3.8E-02	6.3E-12
2.2E+00	1.9E-07	1.0E-03	4.3E-10	1.6E-01	3.8E-02	2.6E-12	1.7E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.3E-12
1.8E+00	1.9E-07	1.0E-03	3.6E-10	1.6E-01	3.8E-02	2.2E-12	1.6E+00	6.0E-07	1.0E-03	9.7E-10	1.6E-01	3.8E-02	5.9E-12
1.5E+00	1.9E-07	1.0E-03	3.0E-10	1.6E-01	3.8E-02	1.8E-12	1.4E+00	6.0E-07	1.0E-03	8.5E-10	1.6E-01	3.8E-02	5.1E-12
1.2E+00	1.9E-07	1.0E-03	2.4E-10	1.6E-01	3.8E-02	1.4E-12	1.1E+00	6.0E-07	1.0E-03	7.1E-10	1.6E-01	3.8E-02	4.3E-12
9.0E-01	1.9E-07	1.0E-03	1.8E-10	1.6E-01	3.8E-02	1.1E-12	9.0E-01	6.0E-07	1.0E-03	5.6E-10	1.6E-01	3.8E-02	3.4E-12
7.6E-01	1.9E-07	1.0E-03	1.5E-10	1.6E-01	3.8E-02	9.1E-13	7.7E-01	6.0E-07	1.0E-03	4.8E-10	1.6E-01	3.8E-02	2.9E-12
6.3E-01	1.9E-07	1.0E-03	1.2E-10	1.6E-01	3.8E-02	7.5E-13	6.4E-01	6.0E-07	1.0E-03	4.0E-10	1.6E-01	3.8E-02	2.4E-12
5.2E-01	1.9E-07	1.0E-03	1.0E-10	1.6E-01	3.8E-02	6.2E-13	5.3E-01	6.0E-07	1.0E-03	3.3E-10	1.6E-01	3.8E-02	2.0E-12
4.4E-01	1.9E-07	1.0E-03	8.7E-11	1.6E-01	3.8E-02	5.3E-13	3.6E-01	6.0E-07	1.0E-03	2.3E-10	1.6E-01	3.8E-02	1.4E-12
5.4E-01	1.9E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.4E-13	4.3E-01	6.0E-07	1.0E-03	2.7E-10	1.6E-01	3.8E-02	1.6E-12
6.7E-01	1.9E-07	1.0E-03	1.3E-10	1.6E-01	3.8E-02	8.1E-13	5.3E-01	6.0E-07	1.0E-03	3.3E-10	1.6E-01	3.8E-02	2.0E-12
8.6E-01	1.9E-07	1.0E-03	1.7E-10	1.6E-01	3.8E-02	1.0E-12	6.5E-01	6.0E-07	1.0E-03	4.1E-10	1.6E-01	3.8E-02	2.5E-12
1.1E+00	1.9E-07	1.0E-03	2.1E-10	1.6E-01	3.8E-02	1.3E-12	8.0E-01	6.0E-07	1.0E-03	5.0E-10	1.6E-01	3.8E-02	3.0E-12
1.3E+00	1.9E-07	1.0E-03	2.6E-10	1.6E-01	3.8E-02	1.6E-12	9.6E-01	6.0E-07	1.0E-03	6.0E-10	1.6E-01	3.8E-02	3.6E-12
1.5E+00	1.9E-07	1.0E-03	3.0E-10	1.6E-01	3.8E-02	1.8E-12	1.1E+00	6.0E-07	1.0E-03	6.9E-10	1.6E-01	3.8E-02	4.2E-12
1.6E+00	1.9E-07	1.0E-03	3.1E-10	1.6E-01	3.8E-02	1.9E-12	1.2E+00	6.0E-07	1.0E-03	7.5E-10	1.6E-01	3.8E-02	4.5E-12
1.5E+00	1.9E-07	1.0E-03	3.1E-10	1.6E-01	3.8E-02	1.8E-12	1.2E+00	6.0E-07	1.0E-03	7.6E-10	1.6E-01	3.8E-02	4.6E-12
1.4E+00	1.9E-07	1.0E-03	2.7E-10	1.6E-01	3.8E-02	1.6E-12	1.2E+00	6.0E-07	1.0E-03	7.3E-10	1.6E-01	3.8E-02	4.4E-12
1.1E+00	1.9E-07	1.0E-03	2.3E-10	1.6E-01	3.8E-02	1.4E-12	1.0E+00	6.0E-07	1.0E-03	6.4E-10	1.6E-01	3.8E-02	3.9E-12
9.7E-01	1.9E-07	1.0E-03	1.9E-10	1.6E-01	3.8E-02	1.2E-12	9.0E-01	6.0E-07	1.0E-03	5.7E-10	1.6E-01	3.8E-02	3.4E-12
8.0E-01	1.9E-07	1.0E-03	1.6E-10	1.6E-01	3.8E-02	9.6E-13	7.8E-01	6.0E-07	1.0E-03	4.9E-10	1.6E-01	3.8E-02	2.9E-12
6.5E-01	1.9E-07	1.0E-03	1.3E-10	1.6E-01	3.8E-02	7.7E-13	6.4E-01	6.0E-07	1.0E-03	4.0E-10	1.6E-01	3.8E-02	2.4E-12
5.7E-01	1.9E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.8E-13	5.7E-01	6.0E-07	1.0E-03	3.6E-10	1.6E-01	3.8E-02	2.2E-12
4.8E-01	1.9E-07	1.0E-03	9.5E-11	1.6E-01	3.8E-02	5.7E-13	4.9E-01	6.0E-07	1.0E-03	3.1E-10	1.6E-01	3.8E-02	1.8E-12
3.8E-01	1.9E-07	1.0E-03	7.6E-11	1.6E-01	3.8E-02	4.6E-13	3.2E-01	6.0E-07	1.0E-03	2.0E-10	1.6E-01	3.8E-02	1.2E-12
4.6E-01	1.9E-07	1.0E-03	9.1E-11	1.6E-01	3.8E-02	5.5E-13	3.7E-01	6.0E-07	1.0E-03	2.4E-10	1.6E-01	3.8E-02	1.4E-12
5.6E-01	1.9E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.7E-13	4.5E-01	6.0E-07	1.0E-03	2.8E-10	1.6E-01	3.8E-02	1.7E-12
6.8E-01	1.9E-07	1.0E-03	1.4E-10	1.6E-01	3.8E-02	8.2E-13	5.3E-01	6.0E-07	1.0E-03	3.4E-10	1.6E-01	3.8E-02	2.0E-12
8.3E-01	1.9E-07	1.0E-03	1.6E-10	1.6E-01	3.8E-02	9.9E-13	6.4E-01	6.0E-07	1.0E-03	4.0E-10	1.6E-01	3.8E-02	2.4E-12
9.7E-01	1.9E-07	1.0E-03	1.9E-10	1.6E-01	3.8E-02	1.2E-12	7.4E-01	6.0E-07	1.0E-03	4.7E-10	1.6E-01	3.8E-02	2.8E-12
1.1E+00	1.9E-07	1.0E-03	2.2E-10	1.6E-01	3.8E-02	1.3E-12	8.4E-01	6.0E-07	1.0E-03	5.2E-10	1.6E-01	3.8E-02	3.2E-12
1.1E+00	1.9E-07	1.0E-03	2.3E-10	1.6E-01	3.8E-02	1.4E-12	9.0E-01	6.0E-07	1.0E-03	5.6E-10	1.6E-01	3.8E-02	3.4E-12
1.1E+00	1.9E-07	1.0E-03	2.3E-10	1.6E-01	3.8E-02	1.4E-12	9.2E-01	6.0E-07	1.0E-03	5.8E-10	1.6E-01	3.8E-02	3.5E-12
1.1E+00	1.9E-07	1.0E-03	2.1E-10	1.6E-01	3.8E-02	1.3E-12	8.9E-01	6.0E-07	1.0E-03	5.6E-10	1.6E-01	3.8E-02	3.4E-12
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7.2E-01	1.9E-07	1.0E-03	1.4E-10	1.6E-01	3.8E-02	8.6E-13	6.8E-01	6.0E-07	1.0E-03	4.3E-10	1.6E-01	3.8E-02	2.6E-12
5.8E-01	1.9E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.9E-13	5.6E-01	6.0E-07	1.0E-03	3.5E-10	1.6E-01	3.8E-02	2.1E-12
4.9E-01	1.9E-07	1.0E-03	9.7E-11	1.6E-01	3.8E-02	5.8E-13	4.9E-01	6.0E-07	1.0E-03	3.1E-10	1.6E-01	3.8E-02	1.8E-12

4.4E-01	1.9E-07	1.0E-03	8.8E-11	1.6E-01	3.8E-02	5.3E-13	4.5E-01	6.0E-07	1.0E-03	2.8E-10	1.6E-01	3.8E-02	1.7E-12
3.4E-01	1.9E-07	1.0E-03	6.7E-11	1.6E-01	3.8E-02	4.0E-13	2.8E-01	6.0E-07	1.0E-03	1.8E-10	1.6E-01	3.8E-02	1.1E-12
4.0E-01	1.9E-07	1.0E-03	7.9E-11	1.6E-01	3.8E-02	4.7E-13	3.3E-01	6.0E-07	1.0E-03	2.1E-10	1.6E-01	3.8E-02	1.2E-12
4.7E-01	1.9E-07	1.0E-03	9.3E-11	1.6E-01	3.8E-02	5.6E-13	3.8E-01	6.0E-07	1.0E-03	2.4E-10	1.6E-01	3.8E-02	1.4E-12
5.6E-01	1.9E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.7E-13	4.5E-01	6.0E-07	1.0E-03	2.8E-10	1.6E-01	3.8E-02	1.7E-12
6.5E-01	1.9E-07	1.0E-03	1.3E-10	1.6E-01	3.8E-02	7.8E-13	5.2E-01	6.0E-07	1.0E-03	3.3E-10	1.6E-01	3.8E-02	2.0E-12
7.5E-01	1.9E-07	1.0E-03	1.5E-10	1.6E-01	3.8E-02	9.0E-13	5.9E-01	6.0E-07	1.0E-03	3.7E-10	1.6E-01	3.8E-02	2.2E-12
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8.7E-01	1.9E-07	1.0E-03	1.7E-10	1.6E-01	3.8E-02	1.0E-12	7.0E-01	6.0E-07	1.0E-03	4.4E-10	1.6E-01	3.8E-02	2.7E-12
8.7E-01	1.9E-07	1.0E-03	1.7E-10	1.6E-01	3.8E-02	1.0E-12	7.2E-01	6.0E-07	1.0E-03	4.5E-10	1.6E-01	3.8E-02	2.7E-12
8.4E-01	1.9E-07	1.0E-03	1.7E-10	1.6E-01	3.8E-02	1.0E-12	7.1E-01	6.0E-07	1.0E-03	4.5E-10	1.6E-01	3.8E-02	2.7E-12
7.8E-01	1.9E-07	1.0E-03	1.6E-10	1.6E-01	3.8E-02	9.3E-13	6.9E-01	6.0E-07	1.0E-03	4.3E-10	1.6E-01	3.8E-02	2.6E-12
7.1E-01	1.9E-07	1.0E-03	1.4E-10	1.6E-01	3.8E-02	8.4E-13	6.4E-01	6.0E-07	1.0E-03	4.0E-10	1.6E-01	3.8E-02	2.4E-12
6.2E-01	1.9E-07	1.0E-03	1.2E-10	1.6E-01	3.8E-02	7.5E-13	5.8E-01	6.0E-07	1.0E-03	3.7E-10	1.6E-01	3.8E-02	2.2E-12
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3.8E-01	1.9E-07	1.0E-03	7.6E-11	1.6E-01	3.8E-02	4.6E-13	3.8E-01	6.0E-07	1.0E-03	2.4E-10	1.6E-01	3.8E-02	1.4E-12
2.9E-01	1.9E-07	1.0E-03	5.8E-11	1.6E-01	3.8E-02	3.5E-13	2.5E-01	6.0E-07	1.0E-03	1.6E-10	1.6E-01	3.8E-02	9.4E-13
3.4E-01	1.9E-07	1.0E-03	6.8E-11	1.6E-01	3.8E-02	4.1E-13	2.9E-01	6.0E-07	1.0E-03	1.8E-10	1.6E-01	3.8E-02	1.1E-12
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4.6E-01	1.9E-07	1.0E-03	9.2E-11	1.6E-01	3.8E-02	5.5E-13	3.8E-01	6.0E-07	1.0E-03	2.4E-10	1.6E-01	3.8E-02	1.4E-12
5.3E-01	1.9E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.4E-13	4.3E-01	6.0E-07	1.0E-03	2.7E-10	1.6E-01	3.8E-02	1.6E-12
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6.4E-01	1.9E-07	1.0E-03	1.3E-10	1.6E-01	3.8E-02	7.7E-13	5.6E-01	6.0E-07	1.0E-03	3.5E-10	1.6E-01	3.8E-02	2.1E-12
5.9E-01	1.9E-07	1.0E-03	1.2E-10	1.6E-01	3.8E-02	7.1E-13	5.3E-01	6.0E-07	1.0E-03	3.4E-10	1.6E-01	3.8E-02	2.0E-12
5.4E-01	1.9E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.4E-13	5.0E-01	6.0E-07	1.0E-03	3.1E-10	1.6E-01	3.8E-02	1.9E-12
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4.2E-01	1.9E-07	1.0E-03	8.3E-11	1.6E-01	3.8E-02	5.0E-13	4.0E-01	6.0E-07	1.0E-03	2.5E-10	1.6E-01	3.8E-02	1.5E-12
3.5E-01	1.9E-07	1.0E-03	6.9E-11	1.6E-01	3.8E-02	4.2E-13	3.4E-01	6.0E-07	1.0E-03	2.1E-10	1.6E-01	3.8E-02	1.3E-12
2.6E-01	1.9E-07	1.0E-03	5.2E-11	1.6E-01	3.8E-02	3.1E-13	2.2E-01	6.0E-07	1.0E-03	1.4E-10	1.6E-01	3.8E-02	8.4E-13
3.0E-01	1.9E-07	1.0E-03	5.9E-11	1.6E-01	3.8E-02	3.5E-13	2.5E-01	6.0E-07	1.0E-03	1.6E-10	1.6E-01	3.8E-02	9.5E-13
3.4E-01	1.9E-07	1.0E-03	6.8E-11	1.6E-01	3.8E-02	4.1E-13	2.9E-01	6.0E-07	1.0E-03	1.8E-10	1.6E-01	3.8E-02	1.1E-12
3.9E-01	1.9E-07	1.0E-03	7.7E-11	1.6E-01	3.8E-02	4.7E-13	3.3E-01	6.0E-07	1.0E-03	2.0E-10	1.6E-01	3.8E-02	1.2E-12
4.4E-01	1.9E-07	1.0E-03	8.7E-11	1.6E-01	3.8E-02	5.3E-13	3.7E-01	6.0E-07	1.0E-03	2.3E-10	1.6E-01	3.8E-02	1.4E-12
4.9E-01	1.9E-07	1.0E-03	9.7E-11	1.6E-01	3.8E-02	5.8E-13	4.0E-01	6.0E-07	1.0E-03	2.5E-10	1.6E-01	3.8E-02	1.5E-12
5.3E-01	1.9E-07	1.0E-03	1.0E-10	1.6E-01	3.8E-02	6.3E-13	4.4E-01	6.0E-07	1.0E-03	2.8E-10	1.6E-01	3.8E-02	1.7E-12
5.5E-01	1.9E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.6E-13	4.6E-01	6.0E-07	1.0E-03	2.9E-10	1.6E-01	3.8E-02	1.8E-12
5.6E-01	1.9E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.7E-13	4.8E-01	6.0E-07	1.0E-03	3.0E-10	1.6E-01	3.8E-02	1.8E-12
5.5E-01	1.9E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.6E-13	4.8E-01	6.0E-07	1.0E-03	3.0E-10	1.6E-01	3.8E-02	1.8E-12
5.3E-01	1.9E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.4E-13	4.7E-01	6.0E-07	1.0E-03	2.9E-10	1.6E-01	3.8E-02	1.8E-12
5.0E-01	1.9E-07	1.0E-03	9.9E-11	1.6E-01	3.8E-02	6.0E-13	4.5E-01	6.0E-07	1.0E-03	2.8E-10	1.6E-01	3.8E-02	1.7E-12
4.6E-01	1.9E-07	1.0E-03	9.2E-11	1.6E-01	3.8E-02	5.5E-13	4.3E-01	6.0E-07	1.0E-03	2.7E-10	1.6E-01	3.8E-02	1.6E-12

4.2E-01	1.9E-07	1.0E-03	8.4E-11	1.6E-01	3.8E-02	5.1E-13	4.0E-01	6.0E-07	1.0E-03	2.5E-10	1.6E-01	3.8E-02	1.5E-12
3.8E-01	1.9E-07	1.0E-03	7.5E-11	1.6E-01	3.8E-02	4.5E-13	3.6E-01	6.0E-07	1.0E-03	2.3E-10	1.6E-01	3.8E-02	1.4E-12
3.2E-01	1.9E-07	1.0E-03	6.4E-11	1.6E-01	3.8E-02	3.8E-13	3.1E-01	6.0E-07	1.0E-03	2.0E-10	1.6E-01	3.8E-02	1.2E-12
1.2E+01	1.9E-07	1.0E-03	2.3E-09	1.6E-01	3.8E-02	1.4E-11	1.4E+01	6.0E-07	1.0E-03	8.9E-09	1.6E-01	3.8E-02	5.4E-11
1.4E+01	1.9E-07	1.0E-03	2.8E-09	1.6E-01	3.8E-02	1.7E-11	1.8E+01	6.0E-07	1.0E-03	1.1E-08	1.6E-01	3.8E-02	6.9E-11
1.6E+01	1.9E-07	1.0E-03	3.2E-09	1.6E-01	3.8E-02	1.9E-11	2.4E+01	6.0E-07	1.0E-03	1.5E-08	1.6E-01	3.8E-02	9.1E-11
1.9E+01	1.9E-07	1.0E-03	3.7E-09	1.6E-01	3.8E-02	2.3E-11	3.2E+01	6.0E-07	1.0E-03	2.0E-08	1.6E-01	3.8E-02	1.2E-10
2.1E+01	1.9E-07	1.0E-03	4.3E-09	1.6E-01	3.8E-02	2.6E-11	4.2E+01	6.0E-07	1.0E-03	2.7E-08	1.6E-01	3.8E-02	1.6E-10
2.3E+01	1.9E-07	1.0E-03	4.7E-09	1.6E-01	3.8E-02	2.8E-11	5.4E+01	6.0E-07	1.0E-03	3.4E-08	1.6E-01	3.8E-02	2.0E-10
2.5E+01	1.9E-07	1.0E-03	4.9E-09	1.6E-01	3.8E-02	2.9E-11	6.3E+01	6.0E-07	1.0E-03	3.9E-08	1.6E-01	3.8E-02	2.4E-10
2.4E+01	1.9E-07	1.0E-03	4.9E-09	1.6E-01	3.8E-02	2.9E-11	6.8E+01	6.0E-07	1.0E-03	4.3E-08	1.6E-01	3.8E-02	2.6E-10
2.3E+01	1.9E-07	1.0E-03	4.7E-09	1.6E-01	3.8E-02	2.8E-11	7.0E+01	6.0E-07	1.0E-03	4.4E-08	1.6E-01	3.8E-02	2.6E-10
2.2E+01	1.9E-07	1.0E-03	4.3E-09	1.6E-01	3.8E-02	2.6E-11	6.8E+01	6.0E-07	1.0E-03	4.2E-08	1.6E-01	3.8E-02	2.6E-10
2.0E+01	1.9E-07	1.0E-03	4.0E-09	1.6E-01	3.8E-02	2.4E-11	6.1E+01	6.0E-07	1.0E-03	3.8E-08	1.6E-01	3.8E-02	2.3E-10
1.8E+01	1.9E-07	1.0E-03	3.6E-09	1.6E-01	3.8E-02	2.2E-11	5.1E+01	6.0E-07	1.0E-03	3.2E-08	1.6E-01	3.8E-02	1.9E-10
1.7E+01	1.9E-07	1.0E-03	3.3E-09	1.6E-01	3.8E-02	2.0E-11	4.2E+01	6.0E-07	1.0E-03	2.7E-08	1.6E-01	3.8E-02	1.6E-10
1.5E+01	1.9E-07	1.0E-03	3.0E-09	1.6E-01	3.8E-02	1.8E-11	3.5E+01	6.0E-07	1.0E-03	2.2E-08	1.6E-01	3.8E-02	1.3E-10
1.3E+01	1.9E-07	1.0E-03	2.7E-09	1.6E-01	3.8E-02	1.6E-11	2.9E+01	6.0E-07	1.0E-03	1.8E-08	1.6E-01	3.8E-02	1.1E-10
1.2E+01	1.9E-07	1.0E-03	2.4E-09	1.6E-01	3.8E-02	1.5E-11	2.4E+01	6.0E-07	1.0E-03	1.5E-08	1.6E-01	3.8E-02	9.0E-11
1.1E+01	1.9E-07	1.0E-03	2.2E-09	1.6E-01	3.8E-02	1.3E-11	2.0E+01	6.0E-07	1.0E-03	1.3E-08	1.6E-01	3.8E-02	7.6E-11
9.9E+00	1.9E-07	1.0E-03	2.0E-09	1.6E-01	3.8E-02	1.2E-11	1.7E+01	6.0E-07	1.0E-03	1.1E-08	1.6E-01	3.8E-02	6.4E-11
9.0E+00	1.9E-07	1.0E-03	1.8E-09	1.6E-01	3.8E-02	1.1E-11	1.5E+01	6.0E-07	1.0E-03	9.1E-09	1.6E-01	3.8E-02	5.5E-11
8.1E+00	1.9E-07	1.0E-03	1.6E-09	1.6E-01	3.8E-02	9.7E-12	1.3E+01	6.0E-07	1.0E-03	7.9E-09	1.6E-01	3.8E-02	4.8E-11
7.4E+00	1.9E-07	1.0E-03	1.5E-09	1.6E-01	3.8E-02	8.8E-12	1.1E+01	6.0E-07	1.0E-03	6.9E-09	1.6E-01	3.8E-02	4.1E-11
6.7E+00	1.9E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	8.0E-12	9.6E+00	6.0E-07	1.0E-03	6.0E-09	1.6E-01	3.8E-02	3.6E-11
6.1E+00	1.9E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.3E-12	8.5E+00	6.0E-07	1.0E-03	5.3E-09	1.6E-01	3.8E-02	3.2E-11
5.6E+00	1.9E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.7E-12	7.5E+00	6.0E-07	1.0E-03	4.7E-09	1.6E-01	3.8E-02	2.8E-11
5.1E+00	1.9E-07	1.0E-03	1.0E-09	1.6E-01	3.8E-02	6.2E-12	6.7E+00	6.0E-07	1.0E-03	4.2E-09	1.6E-01	3.8E-02	2.5E-11
4.7E+00	1.9E-07	1.0E-03	9.4E-10	1.6E-01	3.8E-02	5.7E-12	6.0E+00	6.0E-07	1.0E-03	3.8E-09	1.6E-01	3.8E-02	2.3E-11
1.4E+01	1.9E-07	1.0E-03	2.9E-09	1.6E-01	3.8E-02	1.7E-11	1.6E+01	6.0E-07	1.0E-03	1.0E-08	1.6E-01	3.8E-02	6.1E-11
1.8E+01	1.9E-07	1.0E-03	3.5E-09	1.6E-01	3.8E-02	2.1E-11	2.2E+01	6.0E-07	1.0E-03	1.4E-08	1.6E-01	3.8E-02	8.2E-11
2.2E+01	1.9E-07	1.0E-03	4.3E-09	1.6E-01	3.8E-02	2.6E-11	3.0E+01	6.0E-07	1.0E-03	1.9E-08	1.6E-01	3.8E-02	1.1E-10
2.6E+01	1.9E-07	1.0E-03	5.2E-09	1.6E-01	3.8E-02	3.1E-11	4.3E+01	6.0E-07	1.0E-03	2.7E-08	1.6E-01	3.8E-02	1.6E-10
3.1E+01	1.9E-07	1.0E-03	6.1E-09	1.6E-01	3.8E-02	3.7E-11	1.5E+01	6.0E-07	1.0E-03	9.6E-09	1.6E-01	3.8E-02	5.8E-11
3.4E+01	1.9E-07	1.0E-03	6.8E-09	1.6E-01	3.8E-02	4.1E-11	2.2E+01	6.0E-07	1.0E-03	1.4E-08	1.6E-01	3.8E-02	8.2E-11
3.5E+01	1.9E-07	1.0E-03	7.0E-09	1.6E-01	3.8E-02	4.2E-11	3.2E+01	6.0E-07	1.0E-03	2.0E-08	1.6E-01	3.8E-02	1.2E-10
3.3E+01	1.9E-07	1.0E-03	6.6E-09	1.6E-01	3.8E-02	4.0E-11	4.6E+01	6.0E-07	1.0E-03	2.9E-08	1.6E-01	3.8E-02	1.8E-10
3.0E+01	1.9E-07	1.0E-03	6.1E-09	1.6E-01	3.8E-02	3.7E-11	4.7E+01	6.0E-07	1.0E-03	3.0E-08	1.6E-01	3.8E-02	1.8E-10
2.7E+01	1.9E-07	1.0E-03	5.4E-09	1.6E-01	3.8E-02	3.3E-11	3.5E+01	6.0E-07	1.0E-03	2.2E-08	1.6E-01	3.8E-02	1.3E-10
2.4E+01	1.9E-07	1.0E-03	4.8E-09	1.6E-01	3.8E-02	2.9E-11	2.6E+01	6.0E-07	1.0E-03	1.7E-08	1.6E-01	3.8E-02	1.0E-10
2.1E+01	1.9E-07	1.0E-03	4.2E-09	1.6E-01	3.8E-02	2.5E-11	6.8E+01	6.0E-07	1.0E-03	4.3E-08	1.6E-01	3.8E-02	2.6E-10
1.9E+01	1.9E-07	1.0E-03	3.7E-09	1.6E-01	3.8E-02	2.3E-11	5.2E+01	6.0E-07	1.0E-03	3.2E-08	1.6E-01	3.8E-02	2.0E-10
1.7E+01	1.9E-07	1.0E-03	3.3E-09	1.6E-01	3.8E-02	2.0E-11	4.0E+01	6.0E-07	1.0E-03	2.5E-08	1.6E-01	3.8E-02	1.5E-10
1.5E+01	1.9E-07	1.0E-03	2.9E-09	1.6E-01	3.8E-02	1.8E-11	3.2E+01	6.0E-07	1.0E-03	2.0E-08	1.6E-01	3.8E-02	1.2E-10
1.3E+01	1.9E-07	1.0E-03	2.6E-09	1.6E-01	3.8E-02	1.6E-11	2.6E+01	6.0E-07	1.0E-03	1.6E-08	1.6E-01	3.8E-02	9.7E-11
1.2E+01	1.9E-07	1.0E-03	2.3E-09	1.6E-01	3.8E-02	1.4E-11	2.1E+01	6.0E-07	1.0E-03	1.3E-08	1.6E-01	3.8E-02	8.0E-11

1.0E+01	1.9E-07	1.0E-03	2.1E-09	1.6E-01	3.8E-02	1.3E-11	1.8E+01	6.0E-07	1.0E-03	1.1E-08	1.6E-01	3.8E-02	6.7E-11
9.4E+00	1.9E-07	1.0E-03	1.9E-09	1.6E-01	3.8E-02	1.1E-11	1.5E+01	6.0E-07	1.0E-03	9.4E-09	1.6E-01	3.8E-02	5.6E-11
8.4E+00	1.9E-07	1.0E-03	1.7E-09	1.6E-01	3.8E-02	1.0E-11	1.3E+01	6.0E-07	1.0E-03	8.0E-09	1.6E-01	3.8E-02	4.8E-11
7.6E+00	1.9E-07	1.0E-03	1.5E-09	1.6E-01	3.8E-02	9.1E-12	1.1E+01	6.0E-07	1.0E-03	6.9E-09	1.6E-01	3.8E-02	4.2E-11
6.9E+00	1.9E-07	1.0E-03	1.4E-09	1.6E-01	3.8E-02	8.2E-12	9.6E+00	6.0E-07	1.0E-03	6.0E-09	1.6E-01	3.8E-02	3.6E-11
6.2E+00	1.9E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.5E-12	8.4E+00	6.0E-07	1.0E-03	5.3E-09	1.6E-01	3.8E-02	3.2E-11
5.7E+00	1.9E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.8E-12	7.4E+00	6.0E-07	1.0E-03	4.7E-09	1.6E-01	3.8E-02	2.8E-11
5.2E+00	1.9E-07	1.0E-03	1.0E-09	1.6E-01	3.8E-02	6.2E-12	6.6E+00	6.0E-07	1.0E-03	4.2E-09	1.6E-01	3.8E-02	2.5E-11
4.8E+00	1.9E-07	1.0E-03	9.5E-10	1.6E-01	3.8E-02	5.7E-12	5.9E+00	6.0E-07	1.0E-03	3.7E-09	1.6E-01	3.8E-02	2.2E-11
1.8E+01	1.9E-07	1.0E-03	3.5E-09	1.6E-01	3.8E-02	2.1E-11	1.8E+01	6.0E-07	1.0E-03	1.1E-08	1.6E-01	3.8E-02	6.8E-11
2.3E+01	1.9E-07	1.0E-03	4.5E-09	1.6E-01	3.8E-02	2.7E-11	2.5E+01	6.0E-07	1.0E-03	1.6E-08	1.6E-01	3.8E-02	9.4E-11
2.9E+01	1.9E-07	1.0E-03	5.8E-09	1.6E-01	3.8E-02	3.5E-11	3.7E+01	6.0E-07	1.0E-03	2.3E-08	1.6E-01	3.8E-02	1.4E-10
3.8E+01	1.9E-07	1.0E-03	7.6E-09	1.6E-01	3.8E-02	4.6E-11	5.7E+01	6.0E-07	1.0E-03	3.6E-08	1.6E-01	3.8E-02	2.1E-10
4.8E+01	1.9E-07	1.0E-03	9.4E-09	1.6E-01	3.8E-02	5.7E-11	1.8E+01	6.0E-07	1.0E-03	1.1E-08	1.6E-01	3.8E-02	6.8E-11
5.4E+01	1.9E-07	1.0E-03	1.1E-08	1.6E-01	3.8E-02	6.5E-11	2.7E+01	6.0E-07	1.0E-03	1.7E-08	1.6E-01	3.8E-02	1.0E-10
5.3E+01	1.9E-07	1.0E-03	1.1E-08	1.6E-01	3.8E-02	6.4E-11	4.4E+01	6.0E-07	1.0E-03	2.7E-08	1.6E-01	3.8E-02	1.6E-10
4.7E+01	1.9E-07	1.0E-03	9.3E-09	1.6E-01	3.8E-02	5.6E-11	0.0E+00	6.0E-07	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
4.0E+01	1.9E-07	1.0E-03	7.9E-09	1.6E-01	3.8E-02	4.8E-11	0.0E+00	6.0E-07	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
3.4E+01	1.9E-07	1.0E-03	6.7E-09	1.6E-01	3.8E-02	4.0E-11	4.3E+01	6.0E-07	1.0E-03	2.7E-08	1.6E-01	3.8E-02	1.6E-10
2.9E+01	1.9E-07	1.0E-03	5.7E-09	1.6E-01	3.8E-02	3.4E-11	3.0E+01	6.0E-07	1.0E-03	1.9E-08	1.6E-01	3.8E-02	1.1E-10
2.4E+01	1.9E-07	1.0E-03	4.9E-09	1.6E-01	3.8E-02	2.9E-11	2.2E+01	6.0E-07	1.0E-03	1.4E-08	1.6E-01	3.8E-02	8.5E-11
2.1E+01	1.9E-07	1.0E-03	4.2E-09	1.6E-01	3.8E-02	2.5E-11	6.1E+01	6.0E-07	1.0E-03	3.9E-08	1.6E-01	3.8E-02	2.3E-10
1.8E+01	1.9E-07	1.0E-03	3.6E-09	1.6E-01	3.8E-02	2.2E-11	4.4E+01	6.0E-07	1.0E-03	2.8E-08	1.6E-01	3.8E-02	1.7E-10
1.6E+01	1.9E-07	1.0E-03	3.2E-09	1.6E-01	3.8E-02	1.9E-11	3.4E+01	6.0E-07	1.0E-03	2.1E-08	1.6E-01	3.8E-02	1.3E-10
1.4E+01	1.9E-07	1.0E-03	2.8E-09	1.6E-01	3.8E-02	1.7E-11	2.7E+01	6.0E-07	1.0E-03	1.7E-08	1.6E-01	3.8E-02	1.0E-10
1.2E+01	1.9E-07	1.0E-03	2.5E-09	1.6E-01	3.8E-02	1.5E-11	2.2E+01	6.0E-07	1.0E-03	1.4E-08	1.6E-01	3.8E-02	8.2E-11
1.1E+01	1.9E-07	1.0E-03	2.2E-09	1.6E-01	3.8E-02	1.3E-11	1.8E+01	6.0E-07	1.0E-03	1.1E-08	1.6E-01	3.8E-02	6.7E-11
9.7E+00	1.9E-07	1.0E-03	1.9E-09	1.6E-01	3.8E-02	1.2E-11	1.5E+01	6.0E-07	1.0E-03	9.4E-09	1.6E-01	3.8E-02	5.6E-11
8.7E+00	1.9E-07	1.0E-03	1.7E-09	1.6E-01	3.8E-02	1.0E-11	1.3E+01	6.0E-07	1.0E-03	7.9E-09	1.6E-01	3.8E-02	4.8E-11
7.8E+00	1.9E-07	1.0E-03	1.5E-09	1.6E-01	3.8E-02	9.3E-12	1.1E+01	6.0E-07	1.0E-03	6.8E-09	1.6E-01	3.8E-02	4.1E-11
7.0E+00	1.9E-07	1.0E-03	1.4E-09	1.6E-01	3.8E-02	8.4E-12	9.4E+00	6.0E-07	1.0E-03	5.9E-09	1.6E-01	3.8E-02	3.6E-11
6.3E+00	1.9E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	7.6E-12	8.2E+00	6.0E-07	1.0E-03	5.2E-09	1.6E-01	3.8E-02	3.1E-11
5.7E+00	1.9E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.8E-12	7.3E+00	6.0E-07	1.0E-03	4.6E-09	1.6E-01	3.8E-02	2.8E-11
5.2E+00	1.9E-07	1.0E-03	1.0E-09	1.6E-01	3.8E-02	6.2E-12	6.5E+00	6.0E-07	1.0E-03	4.1E-09	1.6E-01	3.8E-02	2.4E-11
4.8E+00	1.9E-07	1.0E-03	9.4E-10	1.6E-01	3.8E-02	5.7E-12	5.8E+00	6.0E-07	1.0E-03	3.6E-09	1.6E-01	3.8E-02	2.2E-11
2.1E+01	1.9E-07	1.0E-03	4.2E-09	1.6E-01	3.8E-02	2.6E-11	1.9E+01	6.0E-07	1.0E-03	1.2E-08	1.6E-01	3.8E-02	7.2E-11
2.9E+01	1.9E-07	1.0E-03	5.7E-09	1.6E-01	3.8E-02	3.5E-11	2.7E+01	6.0E-07	1.0E-03	1.7E-08	1.6E-01	3.8E-02	1.0E-10
4.0E+01	1.9E-07	1.0E-03	8.0E-09	1.6E-01	3.8E-02	4.8E-11	4.1E+01	6.0E-07	1.0E-03	2.6E-08	1.6E-01	3.8E-02	1.6E-10
5.7E+01	1.9E-07	1.0E-03	1.1E-08	1.6E-01	3.8E-02	6.9E-11	1.3E+01	6.0E-07	1.0E-03	8.2E-09	1.6E-01	3.8E-02	5.0E-11
2.2E+01	1.9E-07	1.0E-03	4.5E-09	1.6E-01	3.8E-02	2.7E-11	2.0E+01	6.0E-07	1.0E-03	1.2E-08	1.6E-01	3.8E-02	7.5E-11
2.5E+01	1.9E-07	1.0E-03	4.9E-09	1.6E-01	3.8E-02	3.0E-11	3.1E+01	6.0E-07	1.0E-03	2.0E-08	1.6E-01	3.8E-02	1.2E-10
2.6E+01	1.9E-07	1.0E-03	5.1E-09	1.6E-01	3.8E-02	3.1E-11	0.0E+00	6.0E-07	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
6.8E+01	1.9E-07	1.0E-03	1.4E-08	1.6E-01	3.8E-02	8.1E-11	0.0E+00	6.0E-07	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
5.2E+01	1.9E-07	1.0E-03	1.0E-08	1.6E-01	3.8E-02	6.2E-11	0.0E+00	6.0E-07	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00
4.1E+01	1.9E-07	1.0E-03	8.1E-09	1.6E-01	3.8E-02	4.9E-11	5.0E+01	6.0E-07	1.0E-03	3.1E-08	1.6E-01	3.8E-02	1.9E-10
3.3E+01	1.9E-07	1.0E-03	6.6E-09	1.6E-01	3.8E-02	4.0E-11	3.2E+01	6.0E-07	1.0E-03	2.0E-08	1.6E-01	3.8E-02	1.2E-10

2.8E+01	1.9E-07	1.0E-03	5.5E-09	1.6E-01	3.8E-02	3.3E-11	2.3E+01	6.0E-07	1.0E-03	1.4E-08	1.6E-01	3.8E-02	8.7E-11
2.3E+01	1.9E-07	1.0E-03	4.6E-09	1.6E-01	3.8E-02	2.8E-11	6.8E+01	6.0E-07	1.0E-03	4.3E-08	1.6E-01	3.8E-02	2.6E-10
2.0E+01	1.9E-07	1.0E-03	3.9E-09	1.6E-01	3.8E-02	2.4E-11	4.6E+01	6.0E-07	1.0E-03	2.9E-08	1.6E-01	3.8E-02	1.8E-10
1.7E+01	1.9E-07	1.0E-03	3.4E-09	1.6E-01	3.8E-02	2.0E-11	3.4E+01	6.0E-07	1.0E-03	2.2E-08	1.6E-01	3.8E-02	1.3E-10
1.5E+01	1.9E-07	1.0E-03	2.9E-09	1.6E-01	3.8E-02	1.8E-11	2.7E+01	6.0E-07	1.0E-03	1.7E-08	1.6E-01	3.8E-02	1.0E-10
1.3E+01	1.9E-07	1.0E-03	2.6E-09	1.6E-01	3.8E-02	1.5E-11	2.1E+01	6.0E-07	1.0E-03	1.3E-08	1.6E-01	3.8E-02	8.1E-11
1.1E+01	1.9E-07	1.0E-03	2.2E-09	1.6E-01	3.8E-02	1.3E-11	1.8E+01	6.0E-07	1.0E-03	1.1E-08	1.6E-01	3.8E-02	6.6E-11
9.9E+00	1.9E-07	1.0E-03	2.0E-09	1.6E-01	3.8E-02	1.2E-11	1.5E+01	6.0E-07	1.0E-03	9.2E-09	1.6E-01	3.8E-02	5.5E-11
8.8E+00	1.9E-07	1.0E-03	1.7E-09	1.6E-01	3.8E-02	1.1E-11	1.2E+01	6.0E-07	1.0E-03	7.8E-09	1.6E-01	3.8E-02	4.7E-11
7.8E+00	1.9E-07	1.0E-03	1.6E-09	1.6E-01	3.8E-02	9.4E-12	1.1E+01	6.0E-07	1.0E-03	6.6E-09	1.6E-01	3.8E-02	4.0E-11
7.0E+00	1.9E-07	1.0E-03	1.4E-09	1.6E-01	3.8E-02	8.4E-12	9.2E+00	6.0E-07	1.0E-03	5.7E-09	1.6E-01	3.8E-02	3.5E-11
6.3E+00	1.9E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	7.6E-12	8.0E+00	6.0E-07	1.0E-03	5.0E-09	1.6E-01	3.8E-02	3.0E-11
5.7E+00	1.9E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.8E-12	7.0E+00	6.0E-07	1.0E-03	4.4E-09	1.6E-01	3.8E-02	2.7E-11
5.2E+00	1.9E-07	1.0E-03	1.0E-09	1.6E-01	3.8E-02	6.2E-12	6.3E+00	6.0E-07	1.0E-03	3.9E-09	1.6E-01	3.8E-02	2.4E-11
4.7E+00	1.9E-07	1.0E-03	9.4E-10	1.6E-01	3.8E-02	5.6E-12	5.6E+00	6.0E-07	1.0E-03	3.5E-09	1.6E-01	3.8E-02	2.1E-11
2.5E+01	1.9E-07	1.0E-03	5.0E-09	1.6E-01	3.8E-02	3.0E-11	1.9E+01	6.0E-07	1.0E-03	1.2E-08	1.6E-01	3.8E-02	7.2E-11
3.6E+01	1.9E-07	1.0E-03	7.1E-09	1.6E-01	3.8E-02	4.3E-11	2.7E+01	6.0E-07	1.0E-03	1.7E-08	1.6E-01	3.8E-02	1.0E-10
5.3E+01	1.9E-07	1.0E-03	1.1E-08	1.6E-01	3.8E-02	6.3E-11	4.2E+01	6.0E-07	1.0E-03	2.6E-08	1.6E-01	3.8E-02	1.6E-10
2.8E+01	1.9E-07	1.0E-03	5.5E-09	1.6E-01	3.8E-02	3.3E-11	1.3E+01	6.0E-07	1.0E-03	8.3E-09	1.6E-01	3.8E-02	5.0E-11
3.4E+01	1.9E-07	1.0E-03	6.8E-09	1.6E-01	3.8E-02	4.1E-11	2.0E+01	6.0E-07	1.0E-03	1.2E-08	1.6E-01	3.8E-02	7.5E-11
1.3E+01	1.9E-07	1.0E-03	2.6E-09	1.6E-01	3.8E-02	1.6E-11	2.1E+01	6.0E-07	1.0E-03	1.3E-08	1.6E-01	3.8E-02	7.8E-11
1.1E+01	1.9E-07	1.0E-03	2.3E-09	1.6E-01	3.8E-02	1.4E-11	1.7E+01	6.0E-07	1.0E-03	1.1E-08	1.6E-01	3.8E-02	6.4E-11
1.0E+01	1.9E-07	1.0E-03	2.0E-09	1.6E-01	3.8E-02	1.2E-11	1.4E+01	6.0E-07	1.0E-03	8.8E-09	1.6E-01	3.8E-02	5.3E-11
8.8E+00	1.9E-07	1.0E-03	1.8E-09	1.6E-01	3.8E-02	1.1E-11	1.2E+01	6.0E-07	1.0E-03	7.4E-09	1.6E-01	3.8E-02	4.5E-11
7.8E+00	1.9E-07	1.0E-03	1.6E-09	1.6E-01	3.8E-02	9.4E-12	1.0E+01	6.0E-07	1.0E-03	6.4E-09	1.6E-01	3.8E-02	3.8E-11
7.0E+00	1.9E-07	1.0E-03	1.4E-09	1.6E-01	3.8E-02	8.4E-12	8.8E+00	6.0E-07	1.0E-03	5.5E-09	1.6E-01	3.8E-02	3.3E-11
6.3E+00	1.9E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.5E-12	7.7E+00	6.0E-07	1.0E-03	4.8E-09	1.6E-01	3.8E-02	2.9E-11
5.6E+00	1.9E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.8E-12	6.8E+00	6.0E-07	1.0E-03	4.2E-09	1.6E-01	3.8E-02	2.6E-11
5.1E+00	1.9E-07	1.0E-03	1.0E-09	1.6E-01	3.8E-02	6.1E-12	6.0E+00	6.0E-07	1.0E-03	3.8E-09	1.6E-01	3.8E-02	2.3E-11
4.6E+00	1.9E-07	1.0E-03	9.2E-10	1.6E-01	3.8E-02	5.6E-12	5.4E+00	6.0E-07	1.0E-03	3.4E-09	1.6E-01	3.8E-02	2.0E-11
2.9E+01	1.9E-07	1.0E-03	5.7E-09	1.6E-01	3.8E-02	3.4E-11	1.8E+01	6.0E-07	1.0E-03	1.1E-08	1.6E-01	3.8E-02	6.9E-11
4.2E+01	1.9E-07	1.0E-03	8.3E-09	1.6E-01	3.8E-02	5.0E-11	2.6E+01	6.0E-07	1.0E-03	1.6E-08	1.6E-01	3.8E-02	9.6E-11
6.4E+01	1.9E-07	1.0E-03	1.3E-08	1.6E-01	3.8E-02	7.7E-11	3.8E+01	6.0E-07	1.0E-03	2.4E-08	1.6E-01	3.8E-02	1.4E-10
4.2E+01	1.9E-07	1.0E-03	8.4E-09	1.6E-01	3.8E-02	5.0E-11	1.2E+01	6.0E-07	1.0E-03	7.8E-09	1.6E-01	3.8E-02	4.7E-11
5.7E+01	1.9E-07	1.0E-03	1.1E-08	1.6E-01	3.8E-02	6.8E-11	1.8E+01	6.0E-07	1.0E-03	1.2E-08	1.6E-01	3.8E-02	7.0E-11
1.3E+01	1.9E-07	1.0E-03	2.6E-09	1.6E-01	3.8E-02	1.6E-11	1.9E+01	6.0E-07	1.0E-03	1.2E-08	1.6E-01	3.8E-02	7.2E-11
1.1E+01	1.9E-07	1.0E-03	2.3E-09	1.6E-01	3.8E-02	1.4E-11	1.6E+01	6.0E-07	1.0E-03	9.9E-09	1.6E-01	3.8E-02	5.9E-11
1.0E+01	1.9E-07	1.0E-03	2.0E-09	1.6E-01	3.8E-02	1.2E-11	1.3E+01	6.0E-07	1.0E-03	8.3E-09	1.6E-01	3.8E-02	5.0E-11
8.8E+00	1.9E-07	1.0E-03	1.7E-09	1.6E-01	3.8E-02	1.0E-11	1.1E+01	6.0E-07	1.0E-03	7.0E-09	1.6E-01	3.8E-02	4.2E-11
7.7E+00	1.9E-07	1.0E-03	1.5E-09	1.6E-01	3.8E-02	9.3E-12	9.6E+00	6.0E-07	1.0E-03	6.0E-09	1.6E-01	3.8E-02	3.6E-11
6.9E+00	1.9E-07	1.0E-03	1.4E-09	1.6E-01	3.8E-02	8.2E-12	8.3E+00	6.0E-07	1.0E-03	5.2E-09	1.6E-01	3.8E-02	3.1E-11
6.1E+00	1.9E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.4E-12	7.3E+00	6.0E-07	1.0E-03	4.6E-09	1.6E-01	3.8E-02	2.8E-11
5.5E+00	1.9E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.6E-12	6.4E+00	6.0E-07	1.0E-03	4.0E-09	1.6E-01	3.8E-02	2.4E-11
5.0E+00	1.9E-07	1.0E-03	9.9E-10	1.6E-01	3.8E-02	6.0E-12	5.7E+00	6.0E-07	1.0E-03	3.6E-09	1.6E-01	3.8E-02	2.2E-11
4.5E+00	1.9E-07	1.0E-03	9.0E-10	1.6E-01	3.8E-02	5.4E-12	5.1E+00	6.0E-07	1.0E-03	3.2E-09	1.6E-01	3.8E-02	1.9E-11
3.1E+01	1.9E-07	1.0E-03	6.2E-09	1.6E-01	3.8E-02	3.7E-11	1.6E+01	6.0E-07	1.0E-03	1.0E-08	1.6E-01	3.8E-02	6.2E-11

4.5E+01	1.9E-07	1.0E-03	9.0E-09	1.6E-01	3.8E-02	5.4E-11	2.2E+01	6.0E-07	1.0E-03	1.4E-08	1.6E-01	3.8E-02	8.4E-11
7.1E+01	1.9E-07	1.0E-03	1.4E-08	1.6E-01	3.8E-02	8.5E-11	3.1E+01	6.0E-07	1.0E-03	1.9E-08	1.6E-01	3.8E-02	1.2E-10
1.7E+01	1.9E-07	1.0E-03	3.3E-09	1.6E-01	3.8E-02	2.0E-11	4.5E+01	6.0E-07	1.0E-03	2.8E-08	1.6E-01	3.8E-02	1.7E-10
2.0E+01	1.9E-07	1.0E-03	4.0E-09	1.6E-01	3.8E-02	2.4E-11	1.5E+01	6.0E-07	1.0E-03	9.6E-09	1.6E-01	3.8E-02	5.8E-11
1.3E+01	1.9E-07	1.0E-03	2.6E-09	1.6E-01	3.8E-02	1.6E-11	1.7E+01	6.0E-07	1.0E-03	1.1E-08	1.6E-01	3.8E-02	6.5E-11
1.1E+01	1.9E-07	1.0E-03	2.2E-09	1.6E-01	3.8E-02	1.4E-11	1.4E+01	6.0E-07	1.0E-03	9.0E-09	1.6E-01	3.8E-02	5.4E-11
9.8E+00	1.9E-07	1.0E-03	2.0E-09	1.6E-01	3.8E-02	1.2E-11	1.2E+01	6.0E-07	1.0E-03	7.6E-09	1.6E-01	3.8E-02	4.6E-11
8.6E+00	1.9E-07	1.0E-03	1.7E-09	1.6E-01	3.8E-02	1.0E-11	1.0E+01	6.0E-07	1.0E-03	6.5E-09	1.6E-01	3.8E-02	3.9E-11
7.6E+00	1.9E-07	1.0E-03	1.5E-09	1.6E-01	3.8E-02	9.1E-12	9.0E+00	6.0E-07	1.0E-03	5.6E-09	1.6E-01	3.8E-02	3.4E-11
6.7E+00	1.9E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	8.1E-12	7.8E+00	6.0E-07	1.0E-03	4.9E-09	1.6E-01	3.8E-02	3.0E-11
6.0E+00	1.9E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.2E-12	6.9E+00	6.0E-07	1.0E-03	4.3E-09	1.6E-01	3.8E-02	2.6E-11
5.4E+00	1.9E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.4E-12	6.1E+00	6.0E-07	1.0E-03	3.8E-09	1.6E-01	3.8E-02	2.3E-11
4.9E+00	1.9E-07	1.0E-03	9.6E-10	1.6E-01	3.8E-02	5.8E-12	5.4E+00	6.0E-07	1.0E-03	3.4E-09	1.6E-01	3.8E-02	2.0E-11
4.4E+00	1.9E-07	1.0E-03	8.8E-10	1.6E-01	3.8E-02	5.3E-12	4.9E+00	6.0E-07	1.0E-03	3.0E-09	1.6E-01	3.8E-02	1.8E-11
3.2E+01	1.9E-07	1.0E-03	6.4E-09	1.6E-01	3.8E-02	3.8E-11	1.5E+01	6.0E-07	1.0E-03	9.1E-09	1.6E-01	3.8E-02	5.5E-11
4.7E+01	1.9E-07	1.0E-03	9.4E-09	1.6E-01	3.8E-02	5.7E-11	1.9E+01	6.0E-07	1.0E-03	1.2E-08	1.6E-01	3.8E-02	7.1E-11
7.5E+01	1.9E-07	1.0E-03	1.5E-08	1.6E-01	3.8E-02	8.9E-11	2.5E+01	6.0E-07	1.0E-03	1.6E-08	1.6E-01	3.8E-02	9.3E-11
6.2E+01	1.9E-07	1.0E-03	1.2E-08	1.6E-01	3.8E-02	7.5E-11	3.3E+01	6.0E-07	1.0E-03	2.1E-08	1.6E-01	3.8E-02	1.2E-10
3.4E+01	1.9E-07	1.0E-03	6.7E-09	1.6E-01	3.8E-02	4.0E-11	4.4E+01	6.0E-07	1.0E-03	2.7E-08	1.6E-01	3.8E-02	1.7E-10
1.3E+01	1.9E-07	1.0E-03	2.5E-09	1.6E-01	3.8E-02	1.5E-11	1.5E+01	6.0E-07	1.0E-03	9.6E-09	1.6E-01	3.8E-02	5.8E-11
1.1E+01	1.9E-07	1.0E-03	2.2E-09	1.6E-01	3.8E-02	1.3E-11	1.3E+01	6.0E-07	1.0E-03	8.1E-09	1.6E-01	3.8E-02	4.9E-11
9.5E+00	1.9E-07	1.0E-03	1.9E-09	1.6E-01	3.8E-02	1.1E-11	1.1E+01	6.0E-07	1.0E-03	7.0E-09	1.6E-01	3.8E-02	4.2E-11
8.3E+00	1.9E-07	1.0E-03	1.7E-09	1.6E-01	3.8E-02	1.0E-11	9.6E+00	6.0E-07	1.0E-03	6.0E-09	1.6E-01	3.8E-02	3.6E-11
7.3E+00	1.9E-07	1.0E-03	1.5E-09	1.6E-01	3.8E-02	8.8E-12	8.3E+00	6.0E-07	1.0E-03	5.2E-09	1.6E-01	3.8E-02	3.1E-11
6.5E+00	1.9E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	7.8E-12	7.3E+00	6.0E-07	1.0E-03	4.6E-09	1.6E-01	3.8E-02	2.8E-11
5.8E+00	1.9E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.0E-12	6.4E+00	6.0E-07	1.0E-03	4.0E-09	1.6E-01	3.8E-02	2.4E-11
5.2E+00	1.9E-07	1.0E-03	1.0E-09	1.6E-01	3.8E-02	6.2E-12	5.7E+00	6.0E-07	1.0E-03	3.6E-09	1.6E-01	3.8E-02	2.2E-11
4.7E+00	1.9E-07	1.0E-03	9.3E-10	1.6E-01	3.8E-02	5.6E-12	5.1E+00	6.0E-07	1.0E-03	3.2E-09	1.6E-01	3.8E-02	1.9E-11
4.3E+00	1.9E-07	1.0E-03	8.5E-10	1.6E-01	3.8E-02	5.1E-12	4.6E+00	6.0E-07	1.0E-03	2.9E-09	1.6E-01	3.8E-02	1.7E-11
3.2E+01	1.9E-07	1.0E-03	6.3E-09	1.6E-01	3.8E-02	3.8E-11	1.3E+01	6.0E-07	1.0E-03	7.9E-09	1.6E-01	3.8E-02	4.7E-11
4.7E+01	1.9E-07	1.0E-03	9.4E-09	1.6E-01	3.8E-02	5.6E-11	1.6E+01	6.0E-07	1.0E-03	9.8E-09	1.6E-01	3.8E-02	5.9E-11
7.4E+01	1.9E-07	1.0E-03	1.5E-08	1.6E-01	3.8E-02	8.9E-11	2.0E+01	6.0E-07	1.0E-03	1.2E-08	1.6E-01	3.8E-02	7.4E-11
6.2E+01	1.9E-07	1.0E-03	1.2E-08	1.6E-01	3.8E-02	7.5E-11	2.4E+01	6.0E-07	1.0E-03	1.5E-08	1.6E-01	3.8E-02	9.2E-11
3.0E+01	1.9E-07	1.0E-03	5.9E-09	1.6E-01	3.8E-02	3.6E-11	3.0E+01	6.0E-07	1.0E-03	1.9E-08	1.6E-01	3.8E-02	1.2E-10
1.2E+01	1.9E-07	1.0E-03	2.4E-09	1.6E-01	3.8E-02	1.5E-11	1.3E+01	6.0E-07	1.0E-03	8.4E-09	1.6E-01	3.8E-02	5.1E-11
1.1E+01	1.9E-07	1.0E-03	2.1E-09	1.6E-01	3.8E-02	1.3E-11	1.2E+01	6.0E-07	1.0E-03	7.3E-09	1.6E-01	3.8E-02	4.4E-11
9.1E+00	1.9E-07	1.0E-03	1.8E-09	1.6E-01	3.8E-02	1.1E-11	1.0E+01	6.0E-07	1.0E-03	6.3E-09	1.6E-01	3.8E-02	3.8E-11
8.0E+00	1.9E-07	1.0E-03	1.6E-09	1.6E-01	3.8E-02	9.6E-12	8.7E+00	6.0E-07	1.0E-03	5.5E-09	1.6E-01	3.8E-02	3.3E-11
7.0E+00	1.9E-07	1.0E-03	1.4E-09	1.6E-01	3.8E-02	8.4E-12	7.7E+00	6.0E-07	1.0E-03	4.8E-09	1.6E-01	3.8E-02	2.9E-11
6.2E+00	1.9E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.5E-12	6.8E+00	6.0E-07	1.0E-03	4.2E-09	1.6E-01	3.8E-02	2.6E-11
5.6E+00	1.9E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.7E-12	6.0E+00	6.0E-07	1.0E-03	3.8E-09	1.6E-01	3.8E-02	2.3E-11
5.0E+00	1.9E-07	1.0E-03	9.9E-10	1.6E-01	3.8E-02	6.0E-12	5.3E+00	6.0E-07	1.0E-03	3.4E-09	1.6E-01	3.8E-02	2.0E-11
4.5E+00	1.9E-07	1.0E-03	9.0E-10	1.6E-01	3.8E-02	5.4E-12	4.8E+00	6.0E-07	1.0E-03	3.0E-09	1.6E-01	3.8E-02	1.8E-11
4.1E+00	1.9E-07	1.0E-03	8.1E-10	1.6E-01	3.8E-02	4.9E-12	4.3E+00	6.0E-07	1.0E-03	2.7E-09	1.6E-01	3.8E-02	1.6E-11
3.0E+01	1.9E-07	1.0E-03	6.0E-09	1.6E-01	3.8E-02	3.6E-11	1.1E+01	6.0E-07	1.0E-03	6.7E-09	1.6E-01	3.8E-02	4.0E-11
4.5E+01	1.9E-07	1.0E-03	8.9E-09	1.6E-01	3.8E-02	5.3E-11	1.3E+01	6.0E-07	1.0E-03	8.1E-09	1.6E-01	3.8E-02	4.9E-11

7.0E+01	1.9E-07	1.0E-03	1.4E-08	1.6E-01	3.8E-02	8.3E-11	1.6E+01	6.0E-07	1.0E-03	9.9E-09	1.6E-01	3.8E-02	5.9E-11
1.5E+01	1.9E-07	1.0E-03	3.0E-09	1.6E-01	3.8E-02	1.8E-11	1.9E+01	6.0E-07	1.0E-03	1.2E-08	1.6E-01	3.8E-02	7.1E-11
1.8E+01	1.9E-07	1.0E-03	3.5E-09	1.6E-01	3.8E-02	2.1E-11	2.2E+01	6.0E-07	1.0E-03	1.4E-08	1.6E-01	3.8E-02	8.5E-11
1.2E+01	1.9E-07	1.0E-03	2.3E-09	1.6E-01	3.8E-02	1.4E-11	1.2E+01	6.0E-07	1.0E-03	7.4E-09	1.6E-01	3.8E-02	4.4E-11
1.0E+01	1.9E-07	1.0E-03	2.0E-09	1.6E-01	3.8E-02	1.2E-11	1.0E+01	6.0E-07	1.0E-03	6.5E-09	1.6E-01	3.8E-02	3.9E-11
8.7E+00	1.9E-07	1.0E-03	1.7E-09	1.6E-01	3.8E-02	1.0E-11	9.0E+00	6.0E-07	1.0E-03	5.7E-09	1.6E-01	3.8E-02	3.4E-11
7.6E+00	1.9E-07	1.0E-03	1.5E-09	1.6E-01	3.8E-02	9.1E-12	7.9E+00	6.0E-07	1.0E-03	5.0E-09	1.6E-01	3.8E-02	3.0E-11
6.7E+00	1.9E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	8.0E-12	7.0E+00	6.0E-07	1.0E-03	4.4E-09	1.6E-01	3.8E-02	2.7E-11
6.0E+00	1.9E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.1E-12	6.2E+00	6.0E-07	1.0E-03	3.9E-09	1.6E-01	3.8E-02	2.4E-11
5.3E+00	1.9E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.4E-12	5.6E+00	6.0E-07	1.0E-03	3.5E-09	1.6E-01	3.8E-02	2.1E-11
4.8E+00	1.9E-07	1.0E-03	9.5E-10	1.6E-01	3.8E-02	5.7E-12	5.0E+00	6.0E-07	1.0E-03	3.1E-09	1.6E-01	3.8E-02	1.9E-11
4.3E+00	1.9E-07	1.0E-03	8.6E-10	1.6E-01	3.8E-02	5.2E-12	4.5E+00	6.0E-07	1.0E-03	2.8E-09	1.6E-01	3.8E-02	1.7E-11
3.9E+00	1.9E-07	1.0E-03	7.8E-10	1.6E-01	3.8E-02	4.7E-12	4.1E+00	6.0E-07	1.0E-03	2.6E-09	1.6E-01	3.8E-02	1.5E-11
2.8E+01	1.9E-07	1.0E-03	5.5E-09	1.6E-01	3.8E-02	3.3E-11	9.1E+00	6.0E-07	1.0E-03	5.7E-09	1.6E-01	3.8E-02	3.4E-11
4.0E+01	1.9E-07	1.0E-03	7.9E-09	1.6E-01	3.8E-02	4.8E-11	1.1E+01	6.0E-07	1.0E-03	6.7E-09	1.6E-01	3.8E-02	4.0E-11
6.1E+01	1.9E-07	1.0E-03	1.2E-08	1.6E-01	3.8E-02	7.3E-11	1.3E+01	6.0E-07	1.0E-03	7.9E-09	1.6E-01	3.8E-02	4.8E-11
3.9E+01	1.9E-07	1.0E-03	7.7E-09	1.6E-01	3.8E-02	4.6E-11	1.5E+01	6.0E-07	1.0E-03	9.3E-09	1.6E-01	3.8E-02	5.6E-11
5.0E+01	1.9E-07	1.0E-03	1.0E-08	1.6E-01	3.8E-02	6.0E-11	1.7E+01	6.0E-07	1.0E-03	1.1E-08	1.6E-01	3.8E-02	6.5E-11
1.1E+01	1.9E-07	1.0E-03	2.1E-09	1.6E-01	3.8E-02	1.3E-11	1.0E+01	6.0E-07	1.0E-03	6.5E-09	1.6E-01	3.8E-02	3.9E-11
9.3E+00	1.9E-07	1.0E-03	1.9E-09	1.6E-01	3.8E-02	1.1E-11	9.1E+00	6.0E-07	1.0E-03	5.7E-09	1.6E-01	3.8E-02	3.5E-11
8.2E+00	1.9E-07	1.0E-03	1.6E-09	1.6E-01	3.8E-02	9.8E-12	8.1E+00	6.0E-07	1.0E-03	5.1E-09	1.6E-01	3.8E-02	3.1E-11
7.2E+00	1.9E-07	1.0E-03	1.4E-09	1.6E-01	3.8E-02	8.6E-12	7.2E+00	6.0E-07	1.0E-03	4.5E-09	1.6E-01	3.8E-02	2.7E-11
6.3E+00	1.9E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	7.6E-12	6.4E+00	6.0E-07	1.0E-03	4.0E-09	1.6E-01	3.8E-02	2.4E-11
5.7E+00	1.9E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.8E-12	5.8E+00	6.0E-07	1.0E-03	3.6E-09	1.6E-01	3.8E-02	2.2E-11
5.1E+00	1.9E-07	1.0E-03	1.0E-09	1.6E-01	3.8E-02	6.1E-12	5.2E+00	6.0E-07	1.0E-03	3.3E-09	1.6E-01	3.8E-02	2.0E-11
4.6E+00	1.9E-07	1.0E-03	9.1E-10	1.6E-01	3.8E-02	5.5E-12	4.7E+00	6.0E-07	1.0E-03	2.9E-09	1.6E-01	3.8E-02	1.8E-11
4.1E+00	1.9E-07	1.0E-03	8.2E-10	1.6E-01	3.8E-02	5.0E-12	4.2E+00	6.0E-07	1.0E-03	2.7E-09	1.6E-01	3.8E-02	1.6E-11
3.7E+00	1.9E-07	1.0E-03	7.4E-10	1.6E-01	3.8E-02	4.5E-12	3.9E+00	6.0E-07	1.0E-03	2.4E-09	1.6E-01	3.8E-02	1.5E-11
2.4E+01	1.9E-07	1.0E-03	4.8E-09	1.6E-01	3.8E-02	2.9E-11	7.8E+00	6.0E-07	1.0E-03	4.9E-09	1.6E-01	3.8E-02	2.9E-11
3.4E+01	1.9E-07	1.0E-03	6.7E-09	1.6E-01	3.8E-02	4.0E-11	9.0E+00	6.0E-07	1.0E-03	5.6E-09	1.6E-01	3.8E-02	3.4E-11
5.0E+01	1.9E-07	1.0E-03	9.8E-09	1.6E-01	3.8E-02	5.9E-11	1.0E+01	6.0E-07	1.0E-03	6.5E-09	1.6E-01	3.8E-02	3.9E-11
2.6E+01	1.9E-07	1.0E-03	5.1E-09	1.6E-01	3.8E-02	3.1E-11	1.2E+01	6.0E-07	1.0E-03	7.5E-09	1.6E-01	3.8E-02	4.5E-11
3.1E+01	1.9E-07	1.0E-03	6.1E-09	1.6E-01	3.8E-02	3.7E-11	1.4E+01	6.0E-07	1.0E-03	8.6E-09	1.6E-01	3.8E-02	5.2E-11
9.9E+00	1.9E-07	1.0E-03	2.0E-09	1.6E-01	3.8E-02	1.2E-11	9.1E+00	6.0E-07	1.0E-03	5.7E-09	1.6E-01	3.8E-02	3.4E-11
8.7E+00	1.9E-07	1.0E-03	1.7E-09	1.6E-01	3.8E-02	1.0E-11	8.1E+00	6.0E-07	1.0E-03	5.1E-09	1.6E-01	3.8E-02	3.1E-11
7.6E+00	1.9E-07	1.0E-03	1.5E-09	1.6E-01	3.8E-02	9.1E-12	7.3E+00	6.0E-07	1.0E-03	4.6E-09	1.6E-01	3.8E-02	2.8E-11
6.7E+00	1.9E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	8.1E-12	6.6E+00	6.0E-07	1.0E-03	4.1E-09	1.6E-01	3.8E-02	2.5E-11
6.0E+00	1.9E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.2E-12	5.9E+00	6.0E-07	1.0E-03	3.7E-09	1.6E-01	3.8E-02	2.2E-11
5.3E+00	1.9E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.4E-12	5.3E+00	6.0E-07	1.0E-03	3.4E-09	1.6E-01	3.8E-02	2.0E-11
4.8E+00	1.9E-07	1.0E-03	9.5E-10	1.6E-01	3.8E-02	5.7E-12	4.8E+00	6.0E-07	1.0E-03	3.0E-09	1.6E-01	3.8E-02	1.8E-11
4.3E+00	1.9E-07	1.0E-03	8.6E-10	1.6E-01	3.8E-02	5.2E-12	4.4E+00	6.0E-07	1.0E-03	2.8E-09	1.6E-01	3.8E-02	1.7E-11
3.9E+00	1.9E-07	1.0E-03	7.8E-10	1.6E-01	3.8E-02	4.7E-12	4.0E+00	6.0E-07	1.0E-03	2.5E-09	1.6E-01	3.8E-02	1.5E-11
3.6E+00	1.9E-07	1.0E-03	7.1E-10	1.6E-01	3.8E-02	4.3E-12	3.6E+00	6.0E-07	1.0E-03	2.3E-09	1.6E-01	3.8E-02	1.4E-11
2.0E+01	1.9E-07	1.0E-03	4.1E-09	1.6E-01	3.8E-02	2.4E-11	6.7E+00	6.0E-07	1.0E-03	4.2E-09	1.6E-01	3.8E-02	2.5E-11
2.7E+01	1.9E-07	1.0E-03	5.4E-09	1.6E-01	3.8E-02	3.3E-11	7.7E+00	6.0E-07	1.0E-03	4.8E-09	1.6E-01	3.8E-02	2.9E-11
3.8E+01	1.9E-07	1.0E-03	7.5E-09	1.6E-01	3.8E-02	4.5E-11	8.8E+00	6.0E-07	1.0E-03	5.5E-09	1.6E-01	3.8E-02	3.3E-11

5.3E+01	1.9E-07	1.0E-03	1.1E-08	1.6E-01	3.8E-02	6.3E-11	1.0E+01	6.0E-07	1.0E-03	6.3E-09	1.6E-01	3.8E-02	3.8E-11
2.0E+01	1.9E-07	1.0E-03	4.1E-09	1.6E-01	3.8E-02	2.4E-11	1.1E+01	6.0E-07	1.0E-03	7.0E-09	1.6E-01	3.8E-02	4.2E-11
9.1E+00	1.9E-07	1.0E-03	1.8E-09	1.6E-01	3.8E-02	1.1E-11	8.0E+00	6.0E-07	1.0E-03	5.0E-09	1.6E-01	3.8E-02	3.0E-11
8.0E+00	1.9E-07	1.0E-03	1.6E-09	1.6E-01	3.8E-02	9.6E-12	7.3E+00	6.0E-07	1.0E-03	4.6E-09	1.6E-01	3.8E-02	2.8E-11
7.1E+00	1.9E-07	1.0E-03	1.4E-09	1.6E-01	3.8E-02	8.5E-12	6.6E+00	6.0E-07	1.0E-03	4.1E-09	1.6E-01	3.8E-02	2.5E-11
6.3E+00	1.9E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.5E-12	6.0E+00	6.0E-07	1.0E-03	3.8E-09	1.6E-01	3.8E-02	2.3E-11
5.6E+00	1.9E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.7E-12	5.4E+00	6.0E-07	1.0E-03	3.4E-09	1.6E-01	3.8E-02	2.1E-11
5.0E+00	1.9E-07	1.0E-03	1.0E-09	1.6E-01	3.8E-02	6.0E-12	4.9E+00	6.0E-07	1.0E-03	3.1E-09	1.6E-01	3.8E-02	1.9E-11
4.5E+00	1.9E-07	1.0E-03	9.0E-10	1.6E-01	3.8E-02	5.4E-12	4.5E+00	6.0E-07	1.0E-03	2.8E-09	1.6E-01	3.8E-02	1.7E-11
4.1E+00	1.9E-07	1.0E-03	8.2E-10	1.6E-01	3.8E-02	4.9E-12	4.1E+00	6.0E-07	1.0E-03	2.6E-09	1.6E-01	3.8E-02	1.6E-11
3.7E+00	1.9E-07	1.0E-03	7.4E-10	1.6E-01	3.8E-02	4.5E-12	3.8E+00	6.0E-07	1.0E-03	2.4E-09	1.6E-01	3.8E-02	1.4E-11
3.4E+00	1.9E-07	1.0E-03	6.8E-10	1.6E-01	3.8E-02	4.1E-12	3.4E+00	6.0E-07	1.0E-03	2.2E-09	1.6E-01	3.8E-02	1.3E-11
1.7E+01	1.9E-07	1.0E-03	3.4E-09	1.6E-01	3.8E-02	2.0E-11	5.9E+00	6.0E-07	1.0E-03	3.7E-09	1.6E-01	3.8E-02	2.2E-11
2.2E+01	1.9E-07	1.0E-03	4.3E-09	1.6E-01	3.8E-02	2.6E-11	6.6E+00	6.0E-07	1.0E-03	4.1E-09	1.6E-01	3.8E-02	2.5E-11
2.8E+01	1.9E-07	1.0E-03	5.5E-09	1.6E-01	3.8E-02	3.3E-11	7.4E+00	6.0E-07	1.0E-03	4.6E-09	1.6E-01	3.8E-02	2.8E-11
3.6E+01	1.9E-07	1.0E-03	7.1E-09	1.6E-01	3.8E-02	4.3E-11	8.3E+00	6.0E-07	1.0E-03	5.2E-09	1.6E-01	3.8E-02	3.1E-11
4.3E+01	1.9E-07	1.0E-03	8.4E-09	1.6E-01	3.8E-02	5.1E-11	9.2E+00	6.0E-07	1.0E-03	5.8E-09	1.6E-01	3.8E-02	3.5E-11
8.3E+00	1.9E-07	1.0E-03	1.7E-09	1.6E-01	3.8E-02	1.0E-11	7.1E+00	6.0E-07	1.0E-03	4.5E-09	1.6E-01	3.8E-02	2.7E-11
7.4E+00	1.9E-07	1.0E-03	1.5E-09	1.6E-01	3.8E-02	8.8E-12	6.6E+00	6.0E-07	1.0E-03	4.1E-09	1.6E-01	3.8E-02	2.5E-11
6.5E+00	1.9E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	7.8E-12	6.0E+00	6.0E-07	1.0E-03	3.8E-09	1.6E-01	3.8E-02	2.3E-11
5.8E+00	1.9E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.0E-12	5.5E+00	6.0E-07	1.0E-03	3.4E-09	1.6E-01	3.8E-02	2.1E-11
5.2E+00	1.9E-07	1.0E-03	1.0E-09	1.6E-01	3.8E-02	6.3E-12	5.0E+00	6.0E-07	1.0E-03	3.1E-09	1.6E-01	3.8E-02	1.9E-11
4.7E+00	1.9E-07	1.0E-03	9.4E-10	1.6E-01	3.8E-02	5.7E-12	4.6E+00	6.0E-07	1.0E-03	2.9E-09	1.6E-01	3.8E-02	1.7E-11
4.3E+00	1.9E-07	1.0E-03	8.5E-10	1.6E-01	3.8E-02	5.1E-12	4.2E+00	6.0E-07	1.0E-03	2.6E-09	1.6E-01	3.8E-02	1.6E-11
3.9E+00	1.9E-07	1.0E-03	7.7E-10	1.6E-01	3.8E-02	4.7E-12	3.8E+00	6.0E-07	1.0E-03	2.4E-09	1.6E-01	3.8E-02	1.5E-11
3.5E+00	1.9E-07	1.0E-03	7.0E-10	1.6E-01	3.8E-02	4.2E-12	3.5E+00	6.0E-07	1.0E-03	2.2E-09	1.6E-01	3.8E-02	1.3E-11
3.2E+00	1.9E-07	1.0E-03	6.4E-10	1.6E-01	3.8E-02	3.9E-12	3.2E+00	6.0E-07	1.0E-03	2.0E-09	1.6E-01	3.8E-02	1.2E-11
1.4E+01	1.9E-07	1.0E-03	2.8E-09	1.6E-01	3.8E-02	1.7E-11	5.2E+00	6.0E-07	1.0E-03	3.2E-09	1.6E-01	3.8E-02	2.0E-11
1.7E+01	1.9E-07	1.0E-03	3.4E-09	1.6E-01	3.8E-02	2.0E-11	5.8E+00	6.0E-07	1.0E-03	3.6E-09	1.6E-01	3.8E-02	2.2E-11
2.1E+01	1.9E-07	1.0E-03	4.2E-09	1.6E-01	3.8E-02	2.5E-11	6.4E+00	6.0E-07	1.0E-03	4.0E-09	1.6E-01	3.8E-02	2.4E-11
2.5E+01	1.9E-07	1.0E-03	5.0E-09	1.6E-01	3.8E-02	3.0E-11	7.1E+00	6.0E-07	1.0E-03	4.4E-09	1.6E-01	3.8E-02	2.7E-11
2.8E+01	1.9E-07	1.0E-03	5.6E-09	1.6E-01	3.8E-02	3.4E-11	7.8E+00	6.0E-07	1.0E-03	4.9E-09	1.6E-01	3.8E-02	2.9E-11
7.6E+00	1.9E-07	1.0E-03	1.5E-09	1.6E-01	3.8E-02	9.1E-12	6.4E+00	6.0E-07	1.0E-03	4.0E-09	1.6E-01	3.8E-02	2.4E-11
6.8E+00	1.9E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	8.1E-12	5.9E+00	6.0E-07	1.0E-03	3.7E-09	1.6E-01	3.8E-02	2.2E-11
6.0E+00	1.9E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.2E-12	5.4E+00	6.0E-07	1.0E-03	3.4E-09	1.6E-01	3.8E-02	2.1E-11
5.4E+00	1.9E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.5E-12	5.0E+00	6.0E-07	1.0E-03	3.1E-09	1.6E-01	3.8E-02	1.9E-11
4.9E+00	1.9E-07	1.0E-03	9.6E-10	1.6E-01	3.8E-02	5.8E-12	4.6E+00	6.0E-07	1.0E-03	2.9E-09	1.6E-01	3.8E-02	1.7E-11
4.4E+00	1.9E-07	1.0E-03	8.7E-10	1.6E-01	3.8E-02	5.3E-12	4.2E+00	6.0E-07	1.0E-03	2.6E-09	1.6E-01	3.8E-02	1.6E-11
4.0E+00	1.9E-07	1.0E-03	7.9E-10	1.6E-01	3.8E-02	4.8E-12	3.9E+00	6.0E-07	1.0E-03	2.4E-09	1.6E-01	3.8E-02	1.5E-11
3.7E+00	1.9E-07	1.0E-03	7.3E-10	1.6E-01	3.8E-02	4.4E-12	3.6E+00	6.0E-07	1.0E-03	2.3E-09	1.6E-01	3.8E-02	1.4E-11
3.3E+00	1.9E-07	1.0E-03	6.6E-10	1.6E-01	3.8E-02	4.0E-12	3.3E+00	6.0E-07	1.0E-03	2.1E-09	1.6E-01	3.8E-02	1.3E-11
3.0E+00	1.9E-07	1.0E-03	6.1E-10	1.6E-01	3.8E-02	3.7E-12	3.0E+00	6.0E-07	1.0E-03	1.9E-09	1.6E-01	3.8E-02	1.2E-11
1.2E+01	1.9E-07	1.0E-03	2.3E-09	1.6E-01	3.8E-02	1.4E-11	4.6E+00	6.0E-07	1.0E-03	2.9E-09	1.6E-01	3.8E-02	1.7E-11
1.4E+01	1.9E-07	1.0E-03	2.7E-09	1.6E-01	3.8E-02	1.6E-11	5.1E+00	6.0E-07	1.0E-03	3.2E-09	1.6E-01	3.8E-02	1.9E-11
1.6E+01	1.9E-07	1.0E-03	3.2E-09	1.6E-01	3.8E-02	1.9E-11	5.6E+00	6.0E-07	1.0E-03	3.5E-09	1.6E-01	3.8E-02	2.1E-11
1.8E+01	1.9E-07	1.0E-03	3.6E-09	1.6E-01	3.8E-02	2.2E-11	6.1E+00	6.0E-07	1.0E-03	3.8E-09	1.6E-01	3.8E-02	2.3E-11

2.0E+01	1.9E-07	1.0E-03	4.0E-09	1.6E-01	3.8E-02	2.4E-11	6.6E+00	6.0E-07	1.0E-03	4.1E-09	1.6E-01	3.8E-02	2.5E-11
6.9E+00	1.9E-07	1.0E-03	1.4E-09	1.6E-01	3.8E-02	8.3E-12	5.7E+00	6.0E-07	1.0E-03	3.6E-09	1.6E-01	3.8E-02	2.2E-11
6.2E+00	1.9E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.4E-12	5.3E+00	6.0E-07	1.0E-03	3.3E-09	1.6E-01	3.8E-02	2.0E-11
5.5E+00	1.9E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.6E-12	4.9E+00	6.0E-07	1.0E-03	3.1E-09	1.6E-01	3.8E-02	1.9E-11
5.0E+00	1.9E-07	1.0E-03	9.9E-10	1.6E-01	3.8E-02	6.0E-12	4.6E+00	6.0E-07	1.0E-03	2.9E-09	1.6E-01	3.8E-02	1.7E-11
4.5E+00	1.9E-07	1.0E-03	8.9E-10	1.6E-01	3.8E-02	5.3E-12	4.2E+00	6.0E-07	1.0E-03	2.6E-09	1.6E-01	3.8E-02	1.6E-11
4.0E+00	1.9E-07	1.0E-03	8.0E-10	1.6E-01	3.8E-02	4.8E-12	3.8E+00	6.0E-07	1.0E-03	2.4E-09	1.6E-01	3.8E-02	1.5E-11
3.7E+00	1.9E-07	1.0E-03	7.3E-10	1.6E-01	3.8E-02	4.4E-12	3.6E+00	6.0E-07	1.0E-03	2.2E-09	1.6E-01	3.8E-02	1.3E-11
3.4E+00	1.9E-07	1.0E-03	6.7E-10	1.6E-01	3.8E-02	4.1E-12	3.3E+00	6.0E-07	1.0E-03	2.1E-09	1.6E-01	3.8E-02	1.3E-11
3.1E+00	1.9E-07	1.0E-03	6.2E-10	1.6E-01	3.8E-02	3.7E-12	3.1E+00	6.0E-07	1.0E-03	1.9E-09	1.6E-01	3.8E-02	1.2E-11
2.9E+00	1.9E-07	1.0E-03	5.7E-10	1.6E-01	3.8E-02	3.4E-12	2.8E+00	6.0E-07	1.0E-03	1.8E-09	1.6E-01	3.8E-02	1.1E-11
9.6E+00	1.9E-07	1.0E-03	1.9E-09	1.6E-01	3.8E-02	1.2E-11	4.1E+00	6.0E-07	1.0E-03	2.6E-09	1.6E-01	3.8E-02	1.5E-11
1.1E+01	1.9E-07	1.0E-03	2.2E-09	1.6E-01	3.8E-02	1.3E-11	4.5E+00	6.0E-07	1.0E-03	2.8E-09	1.6E-01	3.8E-02	1.7E-11
1.3E+01	1.9E-07	1.0E-03	2.5E-09	1.6E-01	3.8E-02	1.5E-11	4.9E+00	6.0E-07	1.0E-03	3.1E-09	1.6E-01	3.8E-02	1.9E-11
1.4E+01	1.9E-07	1.0E-03	2.8E-09	1.6E-01	3.8E-02	1.7E-11	5.3E+00	6.0E-07	1.0E-03	3.3E-09	1.6E-01	3.8E-02	2.0E-11
1.5E+01	1.9E-07	1.0E-03	3.0E-09	1.6E-01	3.8E-02	1.8E-11	5.7E+00	6.0E-07	1.0E-03	3.6E-09	1.6E-01	3.8E-02	2.2E-11
5.7E+00	1.9E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.8E-12	4.9E+00	6.0E-07	1.0E-03	3.0E-09	1.6E-01	3.8E-02	1.8E-11
5.1E+00	1.9E-07	1.0E-03	1.0E-09	1.6E-01	3.8E-02	6.2E-12	4.5E+00	6.0E-07	1.0E-03	2.8E-09	1.6E-01	3.8E-02	1.7E-11
4.6E+00	1.9E-07	1.0E-03	9.2E-10	1.6E-01	3.8E-02	5.5E-12	4.2E+00	6.0E-07	1.0E-03	2.6E-09	1.6E-01	3.8E-02	1.6E-11
4.1E+00	1.9E-07	1.0E-03	8.1E-10	1.6E-01	3.8E-02	4.9E-12	3.8E+00	6.0E-07	1.0E-03	2.4E-09	1.6E-01	3.8E-02	1.4E-11
3.7E+00	1.9E-07	1.0E-03	7.3E-10	1.6E-01	3.8E-02	4.4E-12	3.5E+00	6.0E-07	1.0E-03	2.2E-09	1.6E-01	3.8E-02	1.3E-11
3.4E+00	1.9E-07	1.0E-03	6.7E-10	1.6E-01	3.8E-02	4.0E-12	3.2E+00	6.0E-07	1.0E-03	2.0E-09	1.6E-01	3.8E-02	1.2E-11
3.1E+00	1.9E-07	1.0E-03	6.2E-10	1.6E-01	3.8E-02	3.7E-12	3.0E+00	6.0E-07	1.0E-03	1.9E-09	1.6E-01	3.8E-02	1.1E-11
2.9E+00	1.9E-07	1.0E-03	5.7E-10	1.6E-01	3.8E-02	3.4E-12	2.8E+00	6.0E-07	1.0E-03	1.8E-09	1.6E-01	3.8E-02	1.1E-11
2.7E+00	1.9E-07	1.0E-03	5.3E-10	1.6E-01	3.8E-02	3.2E-12	2.6E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	3.8E-02	1.0E-11
8.2E+00	1.9E-07	1.0E-03	1.6E-09	1.6E-01	3.8E-02	9.8E-12	3.7E+00	6.0E-07	1.0E-03	2.3E-09	1.6E-01	3.8E-02	1.4E-11
9.3E+00	1.9E-07	1.0E-03	1.8E-09	1.6E-01	3.8E-02	1.1E-11	4.0E+00	6.0E-07	1.0E-03	2.5E-09	1.6E-01	3.8E-02	1.5E-11
1.0E+01	1.9E-07	1.0E-03	2.0E-09	1.6E-01	3.8E-02	1.2E-11	4.3E+00	6.0E-07	1.0E-03	2.7E-09	1.6E-01	3.8E-02	1.6E-11
1.1E+01	1.9E-07	1.0E-03	2.2E-09	1.6E-01	3.8E-02	1.3E-11	4.7E+00	6.0E-07	1.0E-03	2.9E-09	1.6E-01	3.8E-02	1.8E-11
1.2E+01	1.9E-07	1.0E-03	2.4E-09	1.6E-01	3.8E-02	1.4E-11	5.0E+00	6.0E-07	1.0E-03	3.1E-09	1.6E-01	3.8E-02	1.9E-11
4.8E+00	1.9E-07	1.0E-03	9.5E-10	1.6E-01	3.8E-02	5.7E-12	4.2E+00	6.0E-07	1.0E-03	2.6E-09	1.6E-01	3.8E-02	1.6E-11
4.3E+00	1.9E-07	1.0E-03	8.6E-10	1.6E-01	3.8E-02	5.2E-12	3.9E+00	6.0E-07	1.0E-03	2.4E-09	1.6E-01	3.8E-02	1.5E-11
3.9E+00	1.9E-07	1.0E-03	7.8E-10	1.6E-01	3.8E-02	4.7E-12	3.6E+00	6.0E-07	1.0E-03	2.2E-09	1.6E-01	3.8E-02	1.4E-11
3.6E+00	1.9E-07	1.0E-03	7.1E-10	1.6E-01	3.8E-02	4.3E-12	3.3E+00	6.0E-07	1.0E-03	2.1E-09	1.6E-01	3.8E-02	1.3E-11
3.3E+00	1.9E-07	1.0E-03	6.5E-10	1.6E-01	3.8E-02	3.9E-12	3.1E+00	6.0E-07	1.0E-03	1.9E-09	1.6E-01	3.8E-02	1.2E-11
3.0E+00	1.9E-07	1.0E-03	5.9E-10	1.6E-01	3.8E-02	3.6E-12	2.9E+00	6.0E-07	1.0E-03	1.8E-09	1.6E-01	3.8E-02	1.1E-11
2.7E+00	1.9E-07	1.0E-03	5.4E-10	1.6E-01	3.8E-02	3.3E-12	2.7E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	3.8E-02	1.0E-11
2.5E+00	1.9E-07	1.0E-03	5.0E-10	1.6E-01	3.8E-02	3.0E-12	2.5E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	3.8E-02	9.3E-12
7.0E+00	1.9E-07	1.0E-03	1.4E-09	1.6E-01	3.8E-02	8.4E-12	3.3E+00	6.0E-07	1.0E-03	2.1E-09	1.6E-01	3.8E-02	1.3E-11
7.8E+00	1.9E-07	1.0E-03	1.5E-09	1.6E-01	3.8E-02	9.3E-12	3.6E+00	6.0E-07	1.0E-03	2.3E-09	1.6E-01	3.8E-02	1.4E-11
8.5E+00	1.9E-07	1.0E-03	1.7E-09	1.6E-01	3.8E-02	1.0E-11	3.9E+00	6.0E-07	1.0E-03	2.4E-09	1.6E-01	3.8E-02	1.5E-11
9.1E+00	1.9E-07	1.0E-03	1.8E-09	1.6E-01	3.8E-02	1.1E-11	4.1E+00	6.0E-07	1.0E-03	2.6E-09	1.6E-01	3.8E-02	1.6E-11
9.7E+00	1.9E-07	1.0E-03	1.9E-09	1.6E-01	3.8E-02	1.2E-11	4.4E+00	6.0E-07	1.0E-03	2.8E-09	1.6E-01	3.8E-02	1.7E-11
4.1E+00	1.9E-07	1.0E-03	8.1E-10	1.6E-01	3.8E-02	4.9E-12	3.6E+00	6.0E-07	1.0E-03	2.3E-09	1.6E-01	3.8E-02	1.4E-11
3.8E+00	1.9E-07	1.0E-03	7.5E-10	1.6E-01	3.8E-02	4.5E-12	3.4E+00	6.0E-07	1.0E-03	2.1E-09	1.6E-01	3.8E-02	1.3E-11
3.5E+00	1.9E-07	1.0E-03	6.9E-10	1.6E-01	3.8E-02	4.2E-12	3.2E+00	6.0E-07	1.0E-03	2.0E-09	1.6E-01	3.8E-02	1.2E-11

3.2E+00	1.9E-07	1.0E-03	6.3E-10	1.6E-01	3.8E-02	3.8E-12	3.0E+00	6.0E-07	1.0E-03	1.9E-09	1.6E-01	3.8E-02	1.1E-11
2.9E+00	1.9E-07	1.0E-03	5.8E-10	1.6E-01	3.8E-02	3.5E-12	2.8E+00	6.0E-07	1.0E-03	1.8E-09	1.6E-01	3.8E-02	1.1E-11
2.7E+00	1.9E-07	1.0E-03	5.3E-10	1.6E-01	3.8E-02	3.2E-12	2.6E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	3.8E-02	9.8E-12
2.4E+00	1.9E-07	1.0E-03	4.8E-10	1.6E-01	3.8E-02	2.9E-12	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	3.8E-02	9.0E-12
6.0E+00	1.9E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.2E-12	3.0E+00	6.0E-07	1.0E-03	1.9E-09	1.6E-01	3.8E-02	1.1E-11
6.6E+00	1.9E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	7.9E-12	3.3E+00	6.0E-07	1.0E-03	2.0E-09	1.6E-01	3.8E-02	1.2E-11
7.1E+00	1.9E-07	1.0E-03	1.4E-09	1.6E-01	3.8E-02	8.5E-12	3.5E+00	6.0E-07	1.0E-03	2.2E-09	1.6E-01	3.8E-02	1.3E-11
7.6E+00	1.9E-07	1.0E-03	1.5E-09	1.6E-01	3.8E-02	9.1E-12	3.7E+00	6.0E-07	1.0E-03	2.3E-09	1.6E-01	3.8E-02	1.4E-11
8.0E+00	1.9E-07	1.0E-03	1.6E-09	1.6E-01	3.8E-02	9.6E-12	3.9E+00	6.0E-07	1.0E-03	2.4E-09	1.6E-01	3.8E-02	1.5E-11
3.5E+00	1.9E-07	1.0E-03	7.1E-10	1.6E-01	3.8E-02	4.3E-12	3.2E+00	6.0E-07	1.0E-03	2.0E-09	1.6E-01	3.8E-02	1.2E-11
3.3E+00	1.9E-07	1.0E-03	6.5E-10	1.6E-01	3.8E-02	3.9E-12	3.0E+00	6.0E-07	1.0E-03	1.9E-09	1.6E-01	3.8E-02	1.1E-11
3.0E+00	1.9E-07	1.0E-03	6.0E-10	1.6E-01	3.8E-02	3.6E-12	2.8E+00	6.0E-07	1.0E-03	1.8E-09	1.6E-01	3.8E-02	1.1E-11
2.8E+00	1.9E-07	1.0E-03	5.6E-10	1.6E-01	3.8E-02	3.4E-12	2.7E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	3.8E-02	1.0E-11
2.6E+00	1.9E-07	1.0E-03	5.1E-10	1.6E-01	3.8E-02	3.1E-12	2.5E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	3.8E-02	9.4E-12
2.4E+00	1.9E-07	1.0E-03	4.7E-10	1.6E-01	3.8E-02	2.8E-12	2.3E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	3.8E-02	8.7E-12
5.2E+00	1.9E-07	1.0E-03	1.0E-09	1.6E-01	3.8E-02	6.3E-12	2.7E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	3.8E-02	1.0E-11
5.7E+00	1.9E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.8E-12	2.9E+00	6.0E-07	1.0E-03	1.8E-09	1.6E-01	3.8E-02	1.1E-11
6.1E+00	1.9E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.3E-12	3.1E+00	6.0E-07	1.0E-03	2.0E-09	1.6E-01	3.8E-02	1.2E-11
6.5E+00	1.9E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	7.7E-12	3.3E+00	6.0E-07	1.0E-03	2.1E-09	1.6E-01	3.8E-02	1.3E-11
6.8E+00	1.9E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	8.1E-12	3.5E+00	6.0E-07	1.0E-03	2.2E-09	1.6E-01	3.8E-02	1.3E-11
3.3E+00	1.9E-07	1.0E-03	6.6E-10	1.6E-01	3.8E-02	4.0E-12	3.0E+00	6.0E-07	1.0E-03	1.9E-09	1.6E-01	3.8E-02	1.1E-11
3.1E+00	1.9E-07	1.0E-03	6.2E-10	1.6E-01	3.8E-02	3.7E-12	2.8E+00	6.0E-07	1.0E-03	1.8E-09	1.6E-01	3.8E-02	1.1E-11
2.9E+00	1.9E-07	1.0E-03	5.7E-10	1.6E-01	3.8E-02	3.4E-12	2.7E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	3.8E-02	1.0E-11
2.7E+00	1.9E-07	1.0E-03	5.3E-10	1.6E-01	3.8E-02	3.2E-12	2.5E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	3.8E-02	9.5E-12
2.5E+00	1.9E-07	1.0E-03	4.9E-10	1.6E-01	3.8E-02	3.0E-12	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	3.8E-02	8.9E-12
2.3E+00	1.9E-07	1.0E-03	4.5E-10	1.6E-01	3.8E-02	2.7E-12	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	3.8E-02	8.3E-12
4.6E+00	1.9E-07	1.0E-03	9.1E-10	1.6E-01	3.8E-02	5.5E-12	2.5E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	3.8E-02	9.5E-12
4.9E+00	1.9E-07	1.0E-03	9.8E-10	1.6E-01	3.8E-02	5.9E-12	2.7E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	3.8E-02	1.0E-11
5.3E+00	1.9E-07	1.0E-03	1.0E-09	1.6E-01	3.8E-02	6.3E-12	2.8E+00	6.0E-07	1.0E-03	1.8E-09	1.6E-01	3.8E-02	1.1E-11
5.6E+00	1.9E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.7E-12	3.0E+00	6.0E-07	1.0E-03	1.9E-09	1.6E-01	3.8E-02	1.1E-11
5.8E+00	1.9E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	6.9E-12	3.1E+00	6.0E-07	1.0E-03	2.0E-09	1.6E-01	3.8E-02	1.2E-11
3.1E+00	1.9E-07	1.0E-03	6.2E-10	1.6E-01	3.8E-02	3.8E-12	2.8E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	3.8E-02	1.1E-11
2.9E+00	1.9E-07	1.0E-03	5.8E-10	1.6E-01	3.8E-02	3.5E-12	2.6E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	3.8E-02	1.0E-11
2.7E+00	1.9E-07	1.0E-03	5.4E-10	1.6E-01	3.8E-02	3.3E-12	2.5E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	3.8E-02	9.5E-12
2.5E+00	1.9E-07	1.0E-03	5.0E-10	1.6E-01	3.8E-02	3.0E-12	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	3.8E-02	9.0E-12
2.4E+00	1.9E-07	1.0E-03	4.7E-10	1.6E-01	3.8E-02	2.8E-12	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	3.8E-02	8.5E-12
2.2E+00	1.9E-07	1.0E-03	4.4E-10	1.6E-01	3.8E-02	2.6E-12	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	8.0E-12
4.1E+00	1.9E-07	1.0E-03	8.1E-10	1.6E-01	3.8E-02	4.9E-12	2.3E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	3.8E-02	8.7E-12
4.3E+00	1.9E-07	1.0E-03	8.6E-10	1.6E-01	3.8E-02	5.2E-12	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	3.8E-02	9.2E-12
4.6E+00	1.9E-07	1.0E-03	9.1E-10	1.6E-01	3.8E-02	5.5E-12	2.6E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	3.8E-02	9.8E-12
4.8E+00	1.9E-07	1.0E-03	9.6E-10	1.6E-01	3.8E-02	5.8E-12	2.7E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	3.8E-02	1.0E-11
5.0E+00	1.9E-07	1.0E-03	1.0E-09	1.6E-01	3.8E-02	6.0E-12	2.8E+00	6.0E-07	1.0E-03	1.8E-09	1.6E-01	3.8E-02	1.1E-11
3.0E+00	1.9E-07	1.0E-03	5.9E-10	1.6E-01	3.8E-02	3.5E-12	2.6E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	3.8E-02	9.8E-12
2.8E+00	1.9E-07	1.0E-03	5.5E-10	1.6E-01	3.8E-02	3.3E-12	2.5E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	3.8E-02	9.4E-12
2.6E+00	1.9E-07	1.0E-03	5.1E-10	1.6E-01	3.8E-02	3.1E-12	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	3.8E-02	8.9E-12
2.4E+00	1.9E-07	1.0E-03	4.8E-10	1.6E-01	3.8E-02	2.9E-12	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	3.8E-02	8.5E-12

2.3E+00	1.9E-07	1.0E-03	4.5E-10	1.6E-01	3.8E-02	2.7E-12	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	8.1E-12
2.1E+00	1.9E-07	1.0E-03	4.2E-10	1.6E-01	3.8E-02	2.5E-12	2.0E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	7.6E-12
3.6E+00	1.9E-07	1.0E-03	7.2E-10	1.6E-01	3.8E-02	4.3E-12	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	8.0E-12
3.8E+00	1.9E-07	1.0E-03	7.6E-10	1.6E-01	3.8E-02	4.6E-12	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	3.8E-02	8.5E-12
4.1E+00	1.9E-07	1.0E-03	8.1E-10	1.6E-01	3.8E-02	4.9E-12	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	3.8E-02	8.9E-12
4.3E+00	1.9E-07	1.0E-03	8.5E-10	1.6E-01	3.8E-02	5.1E-12	2.5E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	3.8E-02	9.4E-12
4.4E+00	1.9E-07	1.0E-03	8.8E-10	1.6E-01	3.8E-02	5.3E-12	2.6E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	3.8E-02	9.8E-12
2.8E+00	1.9E-07	1.0E-03	5.5E-10	1.6E-01	3.8E-02	3.3E-12	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	3.8E-02	9.2E-12
2.6E+00	1.9E-07	1.0E-03	5.2E-10	1.6E-01	3.8E-02	3.1E-12	2.3E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	3.8E-02	8.8E-12
2.5E+00	1.9E-07	1.0E-03	4.9E-10	1.6E-01	3.8E-02	2.9E-12	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	3.8E-02	8.4E-12
2.3E+00	1.9E-07	1.0E-03	4.6E-10	1.6E-01	3.8E-02	2.8E-12	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	8.0E-12
2.2E+00	1.9E-07	1.0E-03	4.3E-10	1.6E-01	3.8E-02	2.6E-12	2.0E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	7.7E-12
2.0E+00	1.9E-07	1.0E-03	4.0E-10	1.6E-01	3.8E-02	2.4E-12	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.3E-12
3.2E+00	1.9E-07	1.0E-03	6.4E-10	1.6E-01	3.8E-02	3.9E-12	2.0E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.4E-12
3.4E+00	1.9E-07	1.0E-03	6.8E-10	1.6E-01	3.8E-02	4.1E-12	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	7.8E-12
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3.9E+00	1.9E-07	1.0E-03	7.8E-10	1.6E-01	3.8E-02	4.7E-12	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	3.8E-02	8.9E-12
4.0E+00	1.9E-07	1.0E-03	8.0E-10	1.6E-01	3.8E-02	4.8E-12	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	3.8E-02	9.2E-12
4.1E+00	1.9E-07	1.0E-03	8.1E-10	1.6E-01	3.8E-02	4.9E-12	2.5E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	3.8E-02	9.5E-12
4.1E+00	1.9E-07	1.0E-03	8.2E-10	1.6E-01	3.8E-02	5.0E-12	2.6E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	3.8E-02	9.8E-12
4.1E+00	1.9E-07	1.0E-03	8.2E-10	1.6E-01	3.8E-02	5.0E-12	2.6E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	3.8E-02	1.0E-11
4.1E+00	1.9E-07	1.0E-03	8.2E-10	1.6E-01	3.8E-02	4.9E-12	2.7E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	3.8E-02	1.0E-11
4.0E+00	1.9E-07	1.0E-03	8.0E-10	1.6E-01	3.8E-02	4.8E-12	2.7E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	3.8E-02	1.0E-11
3.9E+00	1.9E-07	1.0E-03	7.8E-10	1.6E-01	3.8E-02	4.7E-12	2.7E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	3.8E-02	1.0E-11
3.8E+00	1.9E-07	1.0E-03	7.6E-10	1.6E-01	3.8E-02	4.6E-12	2.7E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	3.8E-02	1.0E-11
3.7E+00	1.9E-07	1.0E-03	7.4E-10	1.6E-01	3.8E-02	4.4E-12	2.7E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	3.8E-02	1.0E-11
3.6E+00	1.9E-07	1.0E-03	7.1E-10	1.6E-01	3.8E-02	4.3E-12	2.7E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	3.8E-02	1.0E-11
3.4E+00	1.9E-07	1.0E-03	6.8E-10	1.6E-01	3.8E-02	4.1E-12	2.6E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	3.8E-02	9.9E-12
3.3E+00	1.9E-07	1.0E-03	6.5E-10	1.6E-01	3.8E-02	3.9E-12	2.6E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	3.8E-02	9.7E-12
3.1E+00	1.9E-07	1.0E-03	6.1E-10	1.6E-01	3.8E-02	3.7E-12	2.5E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	3.8E-02	9.4E-12
2.9E+00	1.9E-07	1.0E-03	5.8E-10	1.6E-01	3.8E-02	3.5E-12	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	3.8E-02	9.2E-12
2.8E+00	1.9E-07	1.0E-03	5.5E-10	1.6E-01	3.8E-02	3.3E-12	2.3E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	3.8E-02	8.9E-12
2.6E+00	1.9E-07	1.0E-03	5.2E-10	1.6E-01	3.8E-02	3.1E-12	2.3E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	3.8E-02	8.6E-12
2.5E+00	1.9E-07	1.0E-03	4.9E-10	1.6E-01	3.8E-02	3.0E-12	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	3.8E-02	8.3E-12
2.3E+00	1.9E-07	1.0E-03	4.6E-10	1.6E-01	3.8E-02	2.8E-12	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	7.9E-12
2.2E+00	1.9E-07	1.0E-03	4.4E-10	1.6E-01	3.8E-02	2.6E-12	2.0E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	7.6E-12
2.1E+00	1.9E-07	1.0E-03	4.1E-10	1.6E-01	3.8E-02	2.5E-12	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.3E-12
1.9E+00	1.9E-07	1.0E-03	3.9E-10	1.6E-01	3.8E-02	2.3E-12	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.9E-12
2.9E+00	1.9E-07	1.0E-03	5.8E-10	1.6E-01	3.8E-02	3.5E-12	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.9E-12
3.1E+00	1.9E-07	1.0E-03	6.1E-10	1.6E-01	3.8E-02	3.7E-12	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.2E-12
3.2E+00	1.9E-07	1.0E-03	6.4E-10	1.6E-01	3.8E-02	3.9E-12	2.0E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	7.5E-12
3.4E+00	1.9E-07	1.0E-03	6.7E-10	1.6E-01	3.8E-02	4.0E-12	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	7.9E-12
3.5E+00	1.9E-07	1.0E-03	6.9E-10	1.6E-01	3.8E-02	4.2E-12	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	3.8E-02	8.2E-12
3.6E+00	1.9E-07	1.0E-03	7.1E-10	1.6E-01	3.8E-02	4.3E-12	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	3.8E-02	8.5E-12
3.7E+00	1.9E-07	1.0E-03	7.3E-10	1.6E-01	3.8E-02	4.4E-12	2.3E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	3.8E-02	8.7E-12

3.7E+00	1.9E-07	1.0E-03	7.4E-10	1.6E-01	3.8E-02	4.4E-12	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	3.8E-02	8.9E-12
3.7E+00	1.9E-07	1.0E-03	7.4E-10	1.6E-01	3.8E-02	4.4E-12	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	3.8E-02	9.1E-12
3.7E+00	1.9E-07	1.0E-03	7.3E-10	1.6E-01	3.8E-02	4.4E-12	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	3.8E-02	9.3E-12
3.6E+00	1.9E-07	1.0E-03	7.2E-10	1.6E-01	3.8E-02	4.4E-12	2.5E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	3.8E-02	9.3E-12
3.6E+00	1.9E-07	1.0E-03	7.1E-10	1.6E-01	3.8E-02	4.3E-12	2.5E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	3.8E-02	9.4E-12
3.5E+00	1.9E-07	1.0E-03	6.9E-10	1.6E-01	3.8E-02	4.2E-12	2.5E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	3.8E-02	9.4E-12
3.4E+00	1.9E-07	1.0E-03	6.7E-10	1.6E-01	3.8E-02	4.1E-12	2.5E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	3.8E-02	9.3E-12
3.3E+00	1.9E-07	1.0E-03	6.5E-10	1.6E-01	3.8E-02	3.9E-12	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	3.8E-02	9.3E-12
3.1E+00	1.9E-07	1.0E-03	6.3E-10	1.6E-01	3.8E-02	3.8E-12	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	3.8E-02	9.1E-12
3.0E+00	1.9E-07	1.0E-03	6.0E-10	1.6E-01	3.8E-02	3.6E-12	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	3.8E-02	9.0E-12
2.9E+00	1.9E-07	1.0E-03	5.7E-10	1.6E-01	3.8E-02	3.5E-12	2.3E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	3.8E-02	8.8E-12
2.7E+00	1.9E-07	1.0E-03	5.5E-10	1.6E-01	3.8E-02	3.3E-12	2.3E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	3.8E-02	8.5E-12
2.6E+00	1.9E-07	1.0E-03	5.2E-10	1.6E-01	3.8E-02	3.1E-12	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	3.8E-02	8.3E-12
2.5E+00	1.9E-07	1.0E-03	4.9E-10	1.6E-01	3.8E-02	3.0E-12	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	8.0E-12
2.3E+00	1.9E-07	1.0E-03	4.6E-10	1.6E-01	3.8E-02	2.8E-12	2.0E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	7.7E-12
2.2E+00	1.9E-07	1.0E-03	4.4E-10	1.6E-01	3.8E-02	2.6E-12	2.0E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.5E-12
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2.0E+00	1.9E-07	1.0E-03	3.9E-10	1.6E-01	3.8E-02	2.4E-12	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.9E-12
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2.7E+00	1.9E-07	1.0E-03	5.3E-10	1.6E-01	3.8E-02	3.2E-12	1.7E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.4E-12
2.8E+00	1.9E-07	1.0E-03	5.5E-10	1.6E-01	3.8E-02	3.3E-12	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.7E-12
2.9E+00	1.9E-07	1.0E-03	5.8E-10	1.6E-01	3.8E-02	3.5E-12	1.8E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.0E-12
3.0E+00	1.9E-07	1.0E-03	6.0E-10	1.6E-01	3.8E-02	3.6E-12	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.3E-12
3.1E+00	1.9E-07	1.0E-03	6.2E-10	1.6E-01	3.8E-02	3.8E-12	2.0E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.5E-12
3.2E+00	1.9E-07	1.0E-03	6.4E-10	1.6E-01	3.8E-02	3.9E-12	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	7.8E-12
3.3E+00	1.9E-07	1.0E-03	6.5E-10	1.6E-01	3.8E-02	3.9E-12	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	8.0E-12
3.3E+00	1.9E-07	1.0E-03	6.6E-10	1.6E-01	3.8E-02	4.0E-12	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	3.8E-02	8.2E-12
3.3E+00	1.9E-07	1.0E-03	6.6E-10	1.6E-01	3.8E-02	4.0E-12	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	3.8E-02	8.4E-12
3.3E+00	1.9E-07	1.0E-03	6.6E-10	1.6E-01	3.8E-02	4.0E-12	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	3.8E-02	8.5E-12
3.3E+00	1.9E-07	1.0E-03	6.6E-10	1.6E-01	3.8E-02	4.0E-12	2.3E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	3.8E-02	8.6E-12
3.3E+00	1.9E-07	1.0E-03	6.5E-10	1.6E-01	3.8E-02	3.9E-12	2.3E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	3.8E-02	8.6E-12
3.2E+00	1.9E-07	1.0E-03	6.3E-10	1.6E-01	3.8E-02	3.8E-12	2.3E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	3.8E-02	8.6E-12
3.1E+00	1.9E-07	1.0E-03	6.2E-10	1.6E-01	3.8E-02	3.7E-12	2.3E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	3.8E-02	8.6E-12
3.0E+00	1.9E-07	1.0E-03	6.0E-10	1.6E-01	3.8E-02	3.6E-12	2.3E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	3.8E-02	8.6E-12
2.9E+00	1.9E-07	1.0E-03	5.8E-10	1.6E-01	3.8E-02	3.5E-12	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	3.8E-02	8.5E-12
2.8E+00	1.9E-07	1.0E-03	5.6E-10	1.6E-01	3.8E-02	3.4E-12	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	3.8E-02	8.3E-12
2.7E+00	1.9E-07	1.0E-03	5.3E-10	1.6E-01	3.8E-02	3.2E-12	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	3.8E-02	8.2E-12
2.6E+00	1.9E-07	1.0E-03	5.1E-10	1.6E-01	3.8E-02	3.1E-12	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	8.0E-12
2.4E+00	1.9E-07	1.0E-03	4.9E-10	1.6E-01	3.8E-02	2.9E-12	2.0E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	7.7E-12
2.3E+00	1.9E-07	1.0E-03	4.6E-10	1.6E-01	3.8E-02	2.8E-12	2.0E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.5E-12
2.2E+00	1.9E-07	1.0E-03	4.4E-10	1.6E-01	3.8E-02	2.6E-12	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.3E-12
2.1E+00	1.9E-07	1.0E-03	4.2E-10	1.6E-01	3.8E-02	2.5E-12	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.0E-12
2.0E+00	1.9E-07	1.0E-03	4.0E-10	1.6E-01	3.8E-02	2.4E-12	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.8E-12
1.9E+00	1.9E-07	1.0E-03	3.7E-10	1.6E-01	3.8E-02	2.3E-12	1.7E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.5E-12
1.8E+00	1.9E-07	1.0E-03	3.5E-10	1.6E-01	3.8E-02	2.1E-12	1.7E+00	6.0E-07	1.0E-03	1.0E-09	1.6E-01	3.8E-02	6.3E-12
2.4E+00	1.9E-07	1.0E-03	4.8E-10	1.6E-01	3.8E-02	2.9E-12	1.6E+00	6.0E-07	1.0E-03	9.8E-10	1.6E-01	3.8E-02	5.9E-12

2.5E+00	1.9E-07	1.0E-03	5.0E-10	1.6E-01	3.8E-02	3.0E-12	1.6E+00	6.0E-07	1.0E-03	1.0E-09	1.6E-01	3.8E-02	6.2E-12
2.6E+00	1.9E-07	1.0E-03	5.3E-10	1.6E-01	3.8E-02	3.2E-12	1.7E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.5E-12
2.7E+00	1.9E-07	1.0E-03	5.5E-10	1.6E-01	3.8E-02	3.3E-12	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.7E-12
2.8E+00	1.9E-07	1.0E-03	5.6E-10	1.6E-01	3.8E-02	3.4E-12	1.8E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.0E-12
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3.0E+00	1.9E-07	1.0E-03	5.9E-10	1.6E-01	3.8E-02	3.6E-12	2.0E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.4E-12
3.0E+00	1.9E-07	1.0E-03	6.0E-10	1.6E-01	3.8E-02	3.6E-12	2.0E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	7.6E-12
3.0E+00	1.9E-07	1.0E-03	6.0E-10	1.6E-01	3.8E-02	3.6E-12	2.0E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	7.7E-12
3.0E+00	1.9E-07	1.0E-03	6.0E-10	1.6E-01	3.8E-02	3.6E-12	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	7.8E-12
3.0E+00	1.9E-07	1.0E-03	6.0E-10	1.6E-01	3.8E-02	3.6E-12	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	7.9E-12
3.0E+00	1.9E-07	1.0E-03	5.9E-10	1.6E-01	3.8E-02	3.6E-12	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	8.0E-12
2.9E+00	1.9E-07	1.0E-03	5.8E-10	1.6E-01	3.8E-02	3.5E-12	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	8.0E-12
2.9E+00	1.9E-07	1.0E-03	5.7E-10	1.6E-01	3.8E-02	3.4E-12	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	8.0E-12
2.8E+00	1.9E-07	1.0E-03	5.5E-10	1.6E-01	3.8E-02	3.3E-12	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	7.9E-12
2.7E+00	1.9E-07	1.0E-03	5.3E-10	1.6E-01	3.8E-02	3.2E-12	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	7.8E-12
2.6E+00	1.9E-07	1.0E-03	5.2E-10	1.6E-01	3.8E-02	3.1E-12	2.0E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	7.7E-12
2.5E+00	1.9E-07	1.0E-03	5.0E-10	1.6E-01	3.8E-02	3.0E-12	2.0E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	7.6E-12
2.4E+00	1.9E-07	1.0E-03	4.8E-10	1.6E-01	3.8E-02	2.9E-12	2.0E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.4E-12
2.3E+00	1.9E-07	1.0E-03	4.6E-10	1.6E-01	3.8E-02	2.7E-12	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.3E-12
2.2E+00	1.9E-07	1.0E-03	4.3E-10	1.6E-01	3.8E-02	2.6E-12	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.1E-12
2.1E+00	1.9E-07	1.0E-03	4.1E-10	1.6E-01	3.8E-02	2.5E-12	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.8E-12
2.0E+00	1.9E-07	1.0E-03	4.0E-10	1.6E-01	3.8E-02	2.4E-12	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.6E-12
1.9E+00	1.9E-07	1.0E-03	3.8E-10	1.6E-01	3.8E-02	2.3E-12	1.7E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.4E-12
1.8E+00	1.9E-07	1.0E-03	3.6E-10	1.6E-01	3.8E-02	2.2E-12	1.6E+00	6.0E-07	1.0E-03	1.0E-09	1.6E-01	3.8E-02	6.2E-12
1.7E+00	1.9E-07	1.0E-03	3.4E-10	1.6E-01	3.8E-02	2.0E-12	1.6E+00	6.0E-07	1.0E-03	9.9E-10	1.6E-01	3.8E-02	6.0E-12
2.2E+00	1.9E-07	1.0E-03	4.4E-10	1.6E-01	3.8E-02	2.7E-12	1.5E+00	6.0E-07	1.0E-03	9.2E-10	1.6E-01	3.8E-02	5.5E-12
2.3E+00	1.9E-07	1.0E-03	4.6E-10	1.6E-01	3.8E-02	2.8E-12	1.5E+00	6.0E-07	1.0E-03	9.6E-10	1.6E-01	3.8E-02	5.8E-12
2.4E+00	1.9E-07	1.0E-03	4.8E-10	1.6E-01	3.8E-02	2.9E-12	1.6E+00	6.0E-07	1.0E-03	1.0E-09	1.6E-01	3.8E-02	6.0E-12
2.5E+00	1.9E-07	1.0E-03	5.0E-10	1.6E-01	3.8E-02	3.0E-12	1.6E+00	6.0E-07	1.0E-03	1.0E-09	1.6E-01	3.8E-02	6.2E-12
2.6E+00	1.9E-07	1.0E-03	5.1E-10	1.6E-01	3.8E-02	3.1E-12	1.7E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.4E-12
2.6E+00	1.9E-07	1.0E-03	5.3E-10	1.6E-01	3.8E-02	3.2E-12	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.6E-12
2.7E+00	1.9E-07	1.0E-03	5.4E-10	1.6E-01	3.8E-02	3.2E-12	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.8E-12
2.7E+00	1.9E-07	1.0E-03	5.4E-10	1.6E-01	3.8E-02	3.3E-12	1.8E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.0E-12
2.8E+00	1.9E-07	1.0E-03	5.5E-10	1.6E-01	3.8E-02	3.3E-12	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.1E-12
2.8E+00	1.9E-07	1.0E-03	5.5E-10	1.6E-01	3.8E-02	3.3E-12	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.2E-12
2.7E+00	1.9E-07	1.0E-03	5.5E-10	1.6E-01	3.8E-02	3.3E-12	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.3E-12
2.7E+00	1.9E-07	1.0E-03	5.4E-10	1.6E-01	3.8E-02	3.3E-12	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.4E-12
2.7E+00	1.9E-07	1.0E-03	5.3E-10	1.6E-01	3.8E-02	3.2E-12	2.0E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.4E-12
2.6E+00	1.9E-07	1.0E-03	5.2E-10	1.6E-01	3.8E-02	3.1E-12	2.0E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.4E-12
2.6E+00	1.9E-07	1.0E-03	5.1E-10	1.6E-01	3.8E-02	3.1E-12	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.4E-12
2.5E+00	1.9E-07	1.0E-03	5.0E-10	1.6E-01	3.8E-02	3.0E-12	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.3E-12
2.4E+00	1.9E-07	1.0E-03	4.8E-10	1.6E-01	3.8E-02	2.9E-12	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.2E-12
2.3E+00	1.9E-07	1.0E-03	4.6E-10	1.6E-01	3.8E-02	2.8E-12	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.1E-12
2.2E+00	1.9E-07	1.0E-03	4.5E-10	1.6E-01	3.8E-02	2.7E-12	1.8E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.0E-12
2.2E+00	1.9E-07	1.0E-03	4.3E-10	1.6E-01	3.8E-02	2.6E-12	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.8E-12
2.1E+00	1.9E-07	1.0E-03	4.1E-10	1.6E-01	3.8E-02	2.5E-12	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.6E-12

2.0E+00	1.9E-07	1.0E-03	3.9E-10	1.6E-01	3.8E-02	2.4E-12	1.7E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.4E-12
1.9E+00	1.9E-07	1.0E-03	3.7E-10	1.6E-01	3.8E-02	2.3E-12	1.7E+00	6.0E-07	1.0E-03	1.0E-09	1.6E-01	3.8E-02	6.3E-12
1.8E+00	1.9E-07	1.0E-03	3.6E-10	1.6E-01	3.8E-02	2.2E-12	1.6E+00	6.0E-07	1.0E-03	1.0E-09	1.6E-01	3.8E-02	6.1E-12
1.7E+00	1.9E-07	1.0E-03	3.4E-10	1.6E-01	3.8E-02	2.1E-12	1.6E+00	6.0E-07	1.0E-03	9.7E-10	1.6E-01	3.8E-02	5.9E-12
1.6E+00	1.9E-07	1.0E-03	3.2E-10	1.6E-01	3.8E-02	2.0E-12	1.5E+00	6.0E-07	1.0E-03	9.4E-10	1.6E-01	3.8E-02	5.7E-12
2.0E+00	1.9E-07	1.0E-03	4.0E-10	1.6E-01	3.8E-02	2.4E-12	1.4E+00	6.0E-07	1.0E-03	8.6E-10	1.6E-01	3.8E-02	5.2E-12
2.1E+00	1.9E-07	1.0E-03	4.2E-10	1.6E-01	3.8E-02	2.5E-12	1.4E+00	6.0E-07	1.0E-03	9.0E-10	1.6E-01	3.8E-02	5.4E-12
2.2E+00	1.9E-07	1.0E-03	4.4E-10	1.6E-01	3.8E-02	2.6E-12	1.5E+00	6.0E-07	1.0E-03	9.3E-10	1.6E-01	3.8E-02	5.6E-12
2.3E+00	1.9E-07	1.0E-03	4.5E-10	1.6E-01	3.8E-02	2.7E-12	1.5E+00	6.0E-07	1.0E-03	9.6E-10	1.6E-01	3.8E-02	5.8E-12
2.4E+00	1.9E-07	1.0E-03	4.7E-10	1.6E-01	3.8E-02	2.8E-12	1.6E+00	6.0E-07	1.0E-03	9.9E-10	1.6E-01	3.8E-02	6.0E-12
2.4E+00	1.9E-07	1.0E-03	4.8E-10	1.6E-01	3.8E-02	2.9E-12	1.6E+00	6.0E-07	1.0E-03	1.0E-09	1.6E-01	3.8E-02	6.2E-12
2.5E+00	1.9E-07	1.0E-03	4.9E-10	1.6E-01	3.8E-02	2.9E-12	1.7E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.3E-12
2.5E+00	1.9E-07	1.0E-03	5.0E-10	1.6E-01	3.8E-02	3.0E-12	1.7E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.5E-12
2.5E+00	1.9E-07	1.0E-03	5.0E-10	1.6E-01	3.8E-02	3.0E-12	1.7E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.6E-12
2.5E+00	1.9E-07	1.0E-03	5.0E-10	1.6E-01	3.8E-02	3.0E-12	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.7E-12
2.5E+00	1.9E-07	1.0E-03	5.0E-10	1.6E-01	3.8E-02	3.0E-12	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.8E-12
2.5E+00	1.9E-07	1.0E-03	5.0E-10	1.6E-01	3.8E-02	3.0E-12	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.8E-12
2.5E+00	1.9E-07	1.0E-03	4.9E-10	1.6E-01	3.8E-02	3.0E-12	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.9E-12
2.4E+00	1.9E-07	1.0E-03	4.8E-10	1.6E-01	3.8E-02	2.9E-12	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.9E-12
2.4E+00	1.9E-07	1.0E-03	4.7E-10	1.6E-01	3.8E-02	2.8E-12	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.8E-12
2.3E+00	1.9E-07	1.0E-03	4.6E-10	1.6E-01	3.8E-02	2.8E-12	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.8E-12
2.3E+00	1.9E-07	1.0E-03	4.5E-10	1.6E-01	3.8E-02	2.7E-12	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.7E-12
2.2E+00	1.9E-07	1.0E-03	4.3E-10	1.6E-01	3.8E-02	2.6E-12	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.6E-12
2.1E+00	1.9E-07	1.0E-03	4.2E-10	1.6E-01	3.8E-02	2.5E-12	1.7E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.5E-12
2.0E+00	1.9E-07	1.0E-03	4.0E-10	1.6E-01	3.8E-02	2.4E-12	1.7E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.4E-12
1.9E+00	1.9E-07	1.0E-03	3.9E-10	1.6E-01	3.8E-02	2.3E-12	1.6E+00	6.0E-07	1.0E-03	1.0E-09	1.6E-01	3.8E-02	6.2E-12
1.9E+00	1.9E-07	1.0E-03	3.7E-10	1.6E-01	3.8E-02	2.2E-12	1.6E+00	6.0E-07	1.0E-03	1.0E-09	1.6E-01	3.8E-02	6.1E-12
1.8E+00	1.9E-07	1.0E-03	3.6E-10	1.6E-01	3.8E-02	2.1E-12	1.6E+00	6.0E-07	1.0E-03	9.8E-10	1.6E-01	3.8E-02	5.9E-12
1.7E+00	1.9E-07	1.0E-03	3.4E-10	1.6E-01	3.8E-02	2.1E-12	1.5E+00	6.0E-07	1.0E-03	9.5E-10	1.6E-01	3.8E-02	5.7E-12
1.6E+00	1.9E-07	1.0E-03	3.3E-10	1.6E-01	3.8E-02	2.0E-12	1.5E+00	6.0E-07	1.0E-03	9.2E-10	1.6E-01	3.8E-02	5.6E-12
1.6E+00	1.9E-07	1.0E-03	3.1E-10	1.6E-01	3.8E-02	1.9E-12	1.4E+00	6.0E-07	1.0E-03	8.9E-10	1.6E-01	3.8E-02	5.4E-12

Franklin School Project

Risk From Portable Set-up - Mitigated Residential

Haul Route 1A							Haul Route 2A						
Conc	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
3.4E-01	1.2E-06	1.0E-03	4.4E-10	1.6E-01	3.8E-02	2.6E-12	3.9E+00	1.3E-07	1.0E-03	5.4E-10	1.6E-01	3.8E-02	3.2E-12
3.9E-01	1.2E-06	1.0E-03	5.0E-10	1.6E-01	3.8E-02	3.0E-12	4.4E+00	1.3E-07	1.0E-03	6.0E-10	1.6E-01	3.8E-02	3.6E-12
4.5E-01	1.2E-06	1.0E-03	5.8E-10	1.6E-01	3.8E-02	3.5E-12	4.7E+00	1.3E-07	1.0E-03	6.5E-10	1.6E-01	3.8E-02	3.9E-12
5.2E-01	1.2E-06	1.0E-03	6.6E-10	1.6E-01	3.8E-02	4.0E-12	4.8E+00	1.3E-07	1.0E-03	6.7E-10	1.6E-01	3.8E-02	4.0E-12
5.8E-01	1.2E-06	1.0E-03	7.5E-10	1.6E-01	3.8E-02	4.5E-12	4.8E+00	1.3E-07	1.0E-03	6.7E-10	1.6E-01	3.8E-02	4.0E-12
6.5E-01	1.2E-06	1.0E-03	8.3E-10	1.6E-01	3.8E-02	5.0E-12	4.7E+00	1.3E-07	1.0E-03	6.5E-10	1.6E-01	3.8E-02	3.9E-12
7.1E-01	1.2E-06	1.0E-03	9.1E-10	1.6E-01	3.8E-02	5.5E-12	4.3E+00	1.3E-07	1.0E-03	5.9E-10	1.6E-01	3.8E-02	3.6E-12
7.7E-01	1.2E-06	1.0E-03	9.9E-10	1.6E-01	3.8E-02	6.0E-12	3.6E+00	1.3E-07	1.0E-03	5.0E-10	1.6E-01	3.8E-02	3.0E-12
8.4E-01	1.2E-06	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.5E-12	2.8E+00	1.3E-07	1.0E-03	3.9E-10	1.6E-01	3.8E-02	2.4E-12
9.2E-01	1.2E-06	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.1E-12	2.2E+00	1.3E-07	1.0E-03	3.0E-10	1.6E-01	3.8E-02	1.8E-12
9.9E-01	1.2E-06	1.0E-03	1.3E-09	1.6E-01	3.8E-02	7.7E-12	1.6E+00	1.3E-07	1.0E-03	2.3E-10	1.6E-01	3.8E-02	1.4E-12
1.0E+00	1.2E-06	1.0E-03	1.3E-09	1.6E-01	3.8E-02	8.0E-12	1.3E+00	1.3E-07	1.0E-03	1.8E-10	1.6E-01	3.8E-02	1.1E-12
1.0E+00	1.2E-06	1.0E-03	1.3E-09	1.6E-01	3.8E-02	8.1E-12	1.0E+00	1.3E-07	1.0E-03	1.4E-10	1.6E-01	3.8E-02	8.3E-13
1.0E+00	1.2E-06	1.0E-03	1.3E-09	1.6E-01	3.8E-02	7.9E-12	8.0E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.7E-13
9.5E-01	1.2E-06	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.4E-12	6.5E-01	1.3E-07	1.0E-03	9.0E-11	1.6E-01	3.8E-02	5.4E-13
8.8E-01	1.2E-06	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.8E-12	5.4E-01	1.3E-07	1.0E-03	7.5E-11	1.6E-01	3.8E-02	4.5E-13
3.9E-01	1.2E-06	1.0E-03	5.1E-10	1.6E-01	3.8E-02	3.0E-12	8.3E+00	1.3E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.9E-12
4.7E-01	1.2E-06	1.0E-03	6.0E-10	1.6E-01	3.8E-02	3.6E-12	8.9E+00	1.3E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.5E-12
5.5E-01	1.2E-06	1.0E-03	7.1E-10	1.6E-01	3.8E-02	4.3E-12	9.3E+00	1.3E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	7.8E-12
6.5E-01	1.2E-06	1.0E-03	8.4E-10	1.6E-01	3.8E-02	5.1E-12	9.5E+00	1.3E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	7.9E-12
7.6E-01	1.2E-06	1.0E-03	9.8E-10	1.6E-01	3.8E-02	5.9E-12	9.4E+00	1.3E-07	1.0E-03	1.3E-09	1.6E-01	3.8E-02	7.9E-12
8.7E-01	1.2E-06	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.8E-12	9.0E+00	1.3E-07	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.5E-12
9.7E-01	1.2E-06	1.0E-03	1.3E-09	1.6E-01	3.8E-02	7.6E-12	7.7E+00	1.3E-07	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.4E-12
1.1E+00	1.2E-06	1.0E-03	1.4E-09	1.6E-01	3.8E-02	8.4E-12	5.3E+00	1.3E-07	1.0E-03	7.3E-10	1.6E-01	3.8E-02	4.4E-12
1.2E+00	1.2E-06	1.0E-03	1.6E-09	1.6E-01	3.8E-02	9.4E-12	3.4E+00	1.3E-07	1.0E-03	4.8E-10	1.6E-01	3.8E-02	2.9E-12
1.3E+00	1.2E-06	1.0E-03	1.7E-09	1.6E-01	3.8E-02	1.0E-11	2.3E+00	1.3E-07	1.0E-03	3.2E-10	1.6E-01	3.8E-02	1.9E-12
1.4E+00	1.2E-06	1.0E-03	1.8E-09	1.6E-01	3.8E-02	1.1E-11	1.7E+00	1.3E-07	1.0E-03	2.3E-10	1.6E-01	3.8E-02	1.4E-12
1.4E+00	1.2E-06	1.0E-03	1.8E-09	1.6E-01	3.8E-02	1.1E-11	1.2E+00	1.3E-07	1.0E-03	1.7E-10	1.6E-01	3.8E-02	1.0E-12
1.4E+00	1.2E-06	1.0E-03	1.8E-09	1.6E-01	3.8E-02	1.1E-11	9.4E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	3.8E-02	7.9E-13
1.3E+00	1.2E-06	1.0E-03	1.6E-09	1.6E-01	3.8E-02	9.9E-12	7.5E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	3.8E-02	6.2E-13
1.2E+00	1.2E-06	1.0E-03	1.5E-09	1.6E-01	3.8E-02	8.9E-12	6.1E-01	1.3E-07	1.0E-03	8.4E-11	1.6E-01	3.8E-02	5.0E-13
1.0E+00	1.2E-06	1.0E-03	1.3E-09	1.6E-01	3.8E-02	7.9E-12	5.0E-01	1.3E-07	1.0E-03	6.9E-11	1.6E-01	3.8E-02	4.2E-13
4.5E-01	1.2E-06	1.0E-03	5.9E-10	1.6E-01	3.8E-02	3.5E-12	6.9E+00	1.3E-07	1.0E-03	9.5E-10	1.6E-01	3.8E-02	5.7E-12
5.6E-01	1.2E-06	1.0E-03	7.2E-10	1.6E-01	3.8E-02	4.3E-12	1.1E+01	1.3E-07	1.0E-03	1.5E-09	1.6E-01	3.8E-02	9.2E-12
6.9E-01	1.2E-06	1.0E-03	8.8E-10	1.6E-01	3.8E-02	5.3E-12	6.2E+00	1.3E-07	1.0E-03	8.5E-10	1.6E-01	3.8E-02	5.2E-12
8.5E-01	1.2E-06	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.6E-12	6.1E+00	1.3E-07	1.0E-03	8.5E-10	1.6E-01	3.8E-02	5.1E-12
1.0E+00	1.2E-06	1.0E-03	1.3E-09	1.6E-01	3.8E-02	8.1E-12	6.0E+00	1.3E-07	1.0E-03	8.3E-10	1.6E-01	3.8E-02	5.0E-12
1.2E+00	1.2E-06	1.0E-03	1.6E-09	1.6E-01	3.8E-02	9.6E-12	5.4E+00	1.3E-07	1.0E-03	7.4E-10	1.6E-01	3.8E-02	4.5E-12
1.4E+00	1.2E-06	1.0E-03	1.9E-09	1.6E-01	3.8E-02	1.1E-11	6.2E+00	1.3E-07	1.0E-03	8.6E-10	1.6E-01	3.8E-02	5.2E-12

1.6E+00	1.2E-06	1.0E-03	2.1E-09	1.6E-01	3.8E-02	1.3E-11	7.1E+00	1.3E-07	1.0E-03	9.9E-10	1.6E-01	3.8E-02	6.0E-12
1.9E+00	1.2E-06	1.0E-03	2.4E-09	1.6E-01	3.8E-02	1.5E-11	3.6E+00	1.3E-07	1.0E-03	5.0E-10	1.6E-01	3.8E-02	3.0E-12
2.1E+00	1.2E-06	1.0E-03	2.6E-09	1.6E-01	3.8E-02	1.6E-11	2.2E+00	1.3E-07	1.0E-03	3.1E-10	1.6E-01	3.8E-02	1.9E-12
2.1E+00	1.2E-06	1.0E-03	2.7E-09	1.6E-01	3.8E-02	1.6E-11	1.5E+00	1.3E-07	1.0E-03	2.1E-10	1.6E-01	3.8E-02	1.3E-12
2.0E+00	1.2E-06	1.0E-03	2.6E-09	1.6E-01	3.8E-02	1.5E-11	1.1E+00	1.3E-07	1.0E-03	1.5E-10	1.6E-01	3.8E-02	9.2E-13
1.8E+00	1.2E-06	1.0E-03	2.3E-09	1.6E-01	3.8E-02	1.4E-11	8.5E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	3.8E-02	7.1E-13
1.6E+00	1.2E-06	1.0E-03	2.0E-09	1.6E-01	3.8E-02	1.2E-11	6.7E-01	1.3E-07	1.0E-03	9.3E-11	1.6E-01	3.8E-02	5.6E-13
1.3E+00	1.2E-06	1.0E-03	1.7E-09	1.6E-01	3.8E-02	1.0E-11	5.4E-01	1.3E-07	1.0E-03	7.5E-11	1.6E-01	3.8E-02	4.5E-13
1.1E+00	1.2E-06	1.0E-03	1.5E-09	1.6E-01	3.8E-02	8.8E-12	4.5E-01	1.3E-07	1.0E-03	6.3E-11	1.6E-01	3.8E-02	3.8E-13
5.2E-01	1.2E-06	1.0E-03	6.7E-10	1.6E-01	3.8E-02	4.1E-12	6.3E+00	1.3E-07	1.0E-03	8.8E-10	1.6E-01	3.8E-02	5.3E-12
6.6E-01	1.2E-06	1.0E-03	8.5E-10	1.6E-01	3.8E-02	5.1E-12	1.0E+01	1.3E-07	1.0E-03	1.4E-09	1.6E-01	3.8E-02	8.5E-12
8.6E-01	1.2E-06	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.7E-12	5.6E+00	1.3E-07	1.0E-03	7.8E-10	1.6E-01	3.8E-02	4.7E-12
1.1E+00	1.2E-06	1.0E-03	1.5E-09	1.6E-01	3.8E-02	8.8E-12	5.5E+00	1.3E-07	1.0E-03	7.6E-10	1.6E-01	3.8E-02	4.6E-12
1.5E+00	1.2E-06	1.0E-03	1.9E-09	1.6E-01	3.8E-02	1.2E-11	5.3E+00	1.3E-07	1.0E-03	7.3E-10	1.6E-01	3.8E-02	4.4E-12
1.9E+00	1.2E-06	1.0E-03	2.5E-09	1.6E-01	3.8E-02	1.5E-11	4.5E+00	1.3E-07	1.0E-03	6.3E-10	1.6E-01	3.8E-02	3.8E-12
2.3E+00	1.2E-06	1.0E-03	3.0E-09	1.6E-01	3.8E-02	1.8E-11	5.2E+00	1.3E-07	1.0E-03	7.2E-10	1.6E-01	3.8E-02	4.4E-12
2.8E+00	1.2E-06	1.0E-03	3.6E-09	1.6E-01	3.8E-02	2.2E-11	6.0E+00	1.3E-07	1.0E-03	8.3E-10	1.6E-01	3.8E-02	5.0E-12
3.2E+00	1.2E-06	1.0E-03	4.1E-09	1.6E-01	3.8E-02	2.5E-11	3.0E+00	1.3E-07	1.0E-03	4.2E-10	1.6E-01	3.8E-02	2.5E-12
3.4E+00	1.2E-06	1.0E-03	4.3E-09	1.6E-01	3.8E-02	2.6E-11	1.9E+00	1.3E-07	1.0E-03	2.6E-10	1.6E-01	3.8E-02	1.6E-12
3.1E+00	1.2E-06	1.0E-03	4.0E-09	1.6E-01	3.8E-02	2.4E-11	1.3E+00	1.3E-07	1.0E-03	1.8E-10	1.6E-01	3.8E-02	1.1E-12
2.7E+00	1.2E-06	1.0E-03	3.5E-09	1.6E-01	3.8E-02	2.1E-11	9.5E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	3.8E-02	8.0E-13
2.3E+00	1.2E-06	1.0E-03	2.9E-09	1.6E-01	3.8E-02	1.8E-11	7.4E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	3.8E-02	6.2E-13
1.8E+00	1.2E-06	1.0E-03	2.4E-09	1.6E-01	3.8E-02	1.4E-11	5.9E-01	1.3E-07	1.0E-03	8.2E-11	1.6E-01	3.8E-02	4.9E-13
1.5E+00	1.2E-06	1.0E-03	1.9E-09	1.6E-01	3.8E-02	1.2E-11	4.8E-01	1.3E-07	1.0E-03	6.7E-11	1.6E-01	3.8E-02	4.0E-13
1.2E+00	1.2E-06	1.0E-03	1.6E-09	1.6E-01	3.8E-02	9.4E-12	4.0E-01	1.3E-07	1.0E-03	5.6E-11	1.6E-01	3.8E-02	3.4E-13
5.9E-01	1.2E-06	1.0E-03	7.6E-10	1.6E-01	3.8E-02	4.6E-12	7.0E+00	1.3E-07	1.0E-03	9.7E-10	1.6E-01	3.8E-02	5.8E-12
7.8E-01	1.2E-06	1.0E-03	1.0E-09	1.6E-01	3.8E-02	6.0E-12	7.3E+00	1.3E-07	1.0E-03	1.0E-09	1.6E-01	3.8E-02	6.1E-12
1.1E+00	1.2E-06	1.0E-03	1.4E-09	1.6E-01	3.8E-02	8.3E-12	7.4E+00	1.3E-07	1.0E-03	1.0E-09	1.6E-01	3.8E-02	6.1E-12
1.5E+00	1.2E-06	1.0E-03	2.0E-09	1.6E-01	3.8E-02	1.2E-11	7.3E+00	1.3E-07	1.0E-03	1.0E-09	1.6E-01	3.8E-02	6.1E-12
2.2E+00	1.2E-06	1.0E-03	2.9E-09	1.6E-01	3.8E-02	1.7E-11	7.0E+00	1.3E-07	1.0E-03	9.7E-10	1.6E-01	3.8E-02	5.9E-12
3.3E+00	1.2E-06	1.0E-03	4.2E-09	1.6E-01	3.8E-02	2.5E-11	6.4E+00	1.3E-07	1.0E-03	8.9E-10	1.6E-01	3.8E-02	5.4E-12
4.5E+00	1.2E-06	1.0E-03	5.7E-09	1.6E-01	3.8E-02	3.5E-11	5.2E+00	1.3E-07	1.0E-03	7.1E-10	1.6E-01	3.8E-02	4.3E-12
5.6E+00	1.2E-06	1.0E-03	7.3E-09	1.6E-01	3.8E-02	4.4E-11	3.4E+00	1.3E-07	1.0E-03	4.7E-10	1.6E-01	3.8E-02	2.9E-12
6.2E+00	1.2E-06	1.0E-03	8.0E-09	1.6E-01	3.8E-02	4.8E-11	2.2E+00	1.3E-07	1.0E-03	3.1E-10	1.6E-01	3.8E-02	1.8E-12
5.6E+00	1.2E-06	1.0E-03	7.2E-09	1.6E-01	3.8E-02	4.4E-11	1.5E+00	1.3E-07	1.0E-03	2.1E-10	1.6E-01	3.8E-02	1.2E-12
4.5E+00	1.2E-06	1.0E-03	5.8E-09	1.6E-01	3.8E-02	3.5E-11	1.1E+00	1.3E-07	1.0E-03	1.5E-10	1.6E-01	3.8E-02	9.0E-13
3.4E+00	1.2E-06	1.0E-03	4.4E-09	1.6E-01	3.8E-02	2.7E-11	8.2E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.8E-13
2.6E+00	1.2E-06	1.0E-03	3.4E-09	1.6E-01	3.8E-02	2.0E-11	6.4E-01	1.3E-07	1.0E-03	8.9E-11	1.6E-01	3.8E-02	5.4E-13
2.0E+00	1.2E-06	1.0E-03	2.6E-09	1.6E-01	3.8E-02	1.6E-11	5.2E-01	1.3E-07	1.0E-03	7.2E-11	1.6E-01	3.8E-02	4.3E-13
1.5E+00	1.2E-06	1.0E-03	2.0E-09	1.6E-01	3.8E-02	1.2E-11	4.3E-01	1.3E-07	1.0E-03	6.0E-11	1.6E-01	3.8E-02	3.6E-13
1.2E+00	1.2E-06	1.0E-03	1.6E-09	1.6E-01	3.8E-02	9.5E-12	3.6E-01	1.3E-07	1.0E-03	5.0E-11	1.6E-01	3.8E-02	3.0E-13
6.5E-01	1.2E-06	1.0E-03	8.3E-10	1.6E-01	3.8E-02	5.0E-12	3.5E+00	1.3E-07	1.0E-03	4.9E-10	1.6E-01	3.8E-02	3.0E-12
8.8E-01	1.2E-06	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.8E-12	3.8E+00	1.3E-07	1.0E-03	5.2E-10	1.6E-01	3.8E-02	3.1E-12
1.3E+00	1.2E-06	1.0E-03	1.7E-09	1.6E-01	3.8E-02	1.0E-11	3.8E+00	1.3E-07	1.0E-03	5.3E-10	1.6E-01	3.8E-02	3.2E-12
2.0E+00	1.2E-06	1.0E-03	2.6E-09	1.6E-01	3.8E-02	1.6E-11	3.8E+00	1.3E-07	1.0E-03	5.3E-10	1.6E-01	3.8E-02	3.2E-12
3.5E+00	1.2E-06	1.0E-03	4.5E-09	1.6E-01	3.8E-02	2.7E-11	3.7E+00	1.3E-07	1.0E-03	5.1E-10	1.6E-01	3.8E-02	3.1E-12

6.5E+00	1.2E-06	1.0E-03	8.3E-09	1.6E-01	3.8E-02	5.0E-11	3.4E+00	1.3E-07	1.0E-03	4.7E-10	1.6E-01	3.8E-02	2.8E-12
1.1E+01	1.2E-06	1.0E-03	1.4E-08	1.6E-01	3.8E-02	8.7E-11	2.9E+00	1.3E-07	1.0E-03	4.0E-10	1.6E-01	3.8E-02	2.4E-12
1.5E+01	1.2E-06	1.0E-03	1.9E-08	1.6E-01	3.8E-02	1.2E-10	2.2E+00	1.3E-07	1.0E-03	3.1E-10	1.6E-01	3.8E-02	1.9E-12
1.3E+01	1.2E-06	1.0E-03	1.7E-08	1.6E-01	3.8E-02	1.0E-10	1.6E+00	1.3E-07	1.0E-03	2.3E-10	1.6E-01	3.8E-02	1.4E-12
8.7E+00	1.2E-06	1.0E-03	1.1E-08	1.6E-01	3.8E-02	6.8E-11	1.2E+00	1.3E-07	1.0E-03	1.7E-10	1.6E-01	3.8E-02	1.0E-12
5.7E+00	1.2E-06	1.0E-03	7.4E-09	1.6E-01	3.8E-02	4.5E-11	9.1E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	3.8E-02	7.6E-13
3.9E+00	1.2E-06	1.0E-03	5.0E-09	1.6E-01	3.8E-02	3.0E-11	7.1E-01	1.3E-07	1.0E-03	9.8E-11	1.6E-01	3.8E-02	5.9E-13
2.7E+00	1.2E-06	1.0E-03	3.5E-09	1.6E-01	3.8E-02	2.1E-11	5.7E-01	1.3E-07	1.0E-03	7.9E-11	1.6E-01	3.8E-02	4.7E-13
2.0E+00	1.2E-06	1.0E-03	2.6E-09	1.6E-01	3.8E-02	1.5E-11	4.7E-01	1.3E-07	1.0E-03	6.5E-11	1.6E-01	3.8E-02	3.9E-13
1.5E+00	1.2E-06	1.0E-03	1.9E-09	1.6E-01	3.8E-02	1.2E-11	3.9E-01	1.3E-07	1.0E-03	5.4E-11	1.6E-01	3.8E-02	3.3E-13
1.2E+00	1.2E-06	1.0E-03	1.5E-09	1.6E-01	3.8E-02	9.0E-12	3.3E-01	1.3E-07	1.0E-03	4.6E-11	1.6E-01	3.8E-02	2.8E-13
6.8E-01	1.2E-06	1.0E-03	8.7E-10	1.6E-01	3.8E-02	5.3E-12	2.2E+00	1.3E-07	1.0E-03	3.0E-10	1.6E-01	3.8E-02	1.8E-12
9.5E-01	1.2E-06	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.4E-12	2.4E+00	1.3E-07	1.0E-03	3.3E-10	1.6E-01	3.8E-02	2.0E-12
1.4E+00	1.2E-06	1.0E-03	1.9E-09	1.6E-01	3.8E-02	1.1E-11	2.4E+00	1.3E-07	1.0E-03	3.4E-10	1.6E-01	3.8E-02	2.0E-12
2.5E+00	1.2E-06	1.0E-03	3.2E-09	1.6E-01	3.8E-02	1.9E-11	2.4E+00	1.3E-07	1.0E-03	3.4E-10	1.6E-01	3.8E-02	2.0E-12
5.0E+00	1.2E-06	1.0E-03	6.4E-09	1.6E-01	3.8E-02	3.9E-11	2.4E+00	1.3E-07	1.0E-03	3.3E-10	1.6E-01	3.8E-02	2.0E-12
1.4E+01	1.2E-06	1.0E-03	1.8E-08	1.6E-01	3.8E-02	1.1E-10	2.2E+00	1.3E-07	1.0E-03	3.0E-10	1.6E-01	3.8E-02	1.8E-12
5.4E+01	1.2E-06	1.0E-03	6.9E-08	1.6E-01	3.8E-02	4.2E-10	1.9E+00	1.3E-07	1.0E-03	2.7E-10	1.6E-01	3.8E-02	1.6E-12
6.1E+01	1.2E-06	1.0E-03	7.8E-08	1.6E-01	3.8E-02	4.7E-10	1.6E+00	1.3E-07	1.0E-03	2.2E-10	1.6E-01	3.8E-02	1.3E-12
2.4E+01	1.2E-06	1.0E-03	3.1E-08	1.6E-01	3.8E-02	1.9E-10	1.3E+00	1.3E-07	1.0E-03	1.8E-10	1.6E-01	3.8E-02	1.1E-12
1.1E+01	1.2E-06	1.0E-03	1.4E-08	1.6E-01	3.8E-02	8.5E-11	1.0E+00	1.3E-07	1.0E-03	1.4E-10	1.6E-01	3.8E-02	8.4E-13
6.0E+00	1.2E-06	1.0E-03	7.8E-09	1.6E-01	3.8E-02	4.7E-11	7.9E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.6E-13
3.8E+00	1.2E-06	1.0E-03	4.8E-09	1.6E-01	3.8E-02	2.9E-11	6.3E-01	1.3E-07	1.0E-03	8.7E-11	1.6E-01	3.8E-02	5.3E-13
2.5E+00	1.2E-06	1.0E-03	3.3E-09	1.6E-01	3.8E-02	2.0E-11	5.1E-01	1.3E-07	1.0E-03	7.1E-11	1.6E-01	3.8E-02	4.3E-13
1.8E+00	1.2E-06	1.0E-03	2.3E-09	1.6E-01	3.8E-02	1.4E-11	4.3E-01	1.3E-07	1.0E-03	5.9E-11	1.6E-01	3.8E-02	3.6E-13
1.3E+00	1.2E-06	1.0E-03	1.7E-09	1.6E-01	3.8E-02	1.0E-11	3.6E-01	1.3E-07	1.0E-03	5.0E-11	1.6E-01	3.8E-02	3.0E-13
1.0E+00	1.2E-06	1.0E-03	1.3E-09	1.6E-01	3.8E-02	8.1E-12	3.1E-01	1.3E-07	1.0E-03	4.2E-11	1.6E-01	3.8E-02	2.6E-13
6.9E-01	1.2E-06	1.0E-03	8.8E-10	1.6E-01	3.8E-02	5.3E-12	1.5E+00	1.3E-07	1.0E-03	2.1E-10	1.6E-01	3.8E-02	1.3E-12
9.7E-01	1.2E-06	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.5E-12	1.6E+00	1.3E-07	1.0E-03	2.2E-10	1.6E-01	3.8E-02	1.4E-12
1.5E+00	1.2E-06	1.0E-03	1.9E-09	1.6E-01	3.8E-02	1.2E-11	1.7E+00	1.3E-07	1.0E-03	2.3E-10	1.6E-01	3.8E-02	1.4E-12
2.6E+00	1.2E-06	1.0E-03	3.3E-09	1.6E-01	3.8E-02	2.0E-11	1.7E+00	1.3E-07	1.0E-03	2.4E-10	1.6E-01	3.8E-02	1.4E-12
5.5E+00	1.2E-06	1.0E-03	7.1E-09	1.6E-01	3.8E-02	4.3E-11	1.7E+00	1.3E-07	1.0E-03	2.3E-10	1.6E-01	3.8E-02	1.4E-12
9.6E+00	1.2E-06	1.0E-03	1.2E-08	1.6E-01	3.8E-02	7.4E-11	8.5E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	3.8E-02	7.1E-13
5.1E+00	1.2E-06	1.0E-03	6.6E-09	1.6E-01	3.8E-02	4.0E-11	6.9E-01	1.3E-07	1.0E-03	9.6E-11	1.6E-01	3.8E-02	5.8E-13
3.2E+00	1.2E-06	1.0E-03	4.1E-09	1.6E-01	3.8E-02	2.5E-11	5.7E-01	1.3E-07	1.0E-03	7.9E-11	1.6E-01	3.8E-02	4.7E-13
2.1E+00	1.2E-06	1.0E-03	2.8E-09	1.6E-01	3.8E-02	1.7E-11	4.7E-01	1.3E-07	1.0E-03	6.5E-11	1.6E-01	3.8E-02	3.9E-13
1.5E+00	1.2E-06	1.0E-03	2.0E-09	1.6E-01	3.8E-02	1.2E-11	3.9E-01	1.3E-07	1.0E-03	5.5E-11	1.6E-01	3.8E-02	3.3E-13
1.2E+00	1.2E-06	1.0E-03	1.5E-09	1.6E-01	3.8E-02	9.0E-12	3.3E-01	1.3E-07	1.0E-03	4.6E-11	1.6E-01	3.8E-02	2.8E-13
9.0E-01	1.2E-06	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.0E-12	2.9E-01	1.3E-07	1.0E-03	4.0E-11	1.6E-01	3.8E-02	2.4E-13
6.6E-01	1.2E-06	1.0E-03	8.5E-10	1.6E-01	3.8E-02	5.1E-12	1.1E+00	1.3E-07	1.0E-03	1.5E-10	1.6E-01	3.8E-02	9.1E-13
9.1E-01	1.2E-06	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.1E-12	1.2E+00	1.3E-07	1.0E-03	1.6E-10	1.6E-01	3.8E-02	9.8E-13
1.4E+00	1.2E-06	1.0E-03	1.7E-09	1.6E-01	3.8E-02	1.1E-11	1.2E+00	1.3E-07	1.0E-03	1.7E-10	1.6E-01	3.8E-02	1.0E-12
2.2E+00	1.2E-06	1.0E-03	2.9E-09	1.6E-01	3.8E-02	1.7E-11	1.3E+00	1.3E-07	1.0E-03	1.7E-10	1.6E-01	3.8E-02	1.0E-12
4.1E+00	1.2E-06	1.0E-03	5.3E-09	1.6E-01	3.8E-02	3.2E-11	1.2E+00	1.3E-07	1.0E-03	1.7E-10	1.6E-01	3.8E-02	1.0E-12
6.4E+00	1.2E-06	1.0E-03	8.3E-09	1.6E-01	3.8E-02	5.0E-11	7.2E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	3.8E-02	6.0E-13
3.9E+00	1.2E-06	1.0E-03	5.0E-09	1.6E-01	3.8E-02	3.0E-11	6.1E-01	1.3E-07	1.0E-03	8.4E-11	1.6E-01	3.8E-02	5.1E-13

2.5E+00	1.2E-06	1.0E-03	3.2E-09	1.6E-01	3.8E-02	1.9E-11	5.1E-01	1.3E-07	1.0E-03	7.0E-11	1.6E-01	3.8E-02	4.2E-13
1.8E+00	1.2E-06	1.0E-03	2.3E-09	1.6E-01	3.8E-02	1.4E-11	4.3E-01	1.3E-07	1.0E-03	6.0E-11	1.6E-01	3.8E-02	3.6E-13
1.3E+00	1.2E-06	1.0E-03	1.7E-09	1.6E-01	3.8E-02	1.0E-11	3.7E-01	1.3E-07	1.0E-03	5.1E-11	1.6E-01	3.8E-02	3.1E-13
9.9E-01	1.2E-06	1.0E-03	1.3E-09	1.6E-01	3.8E-02	7.7E-12	3.1E-01	1.3E-07	1.0E-03	4.4E-11	1.6E-01	3.8E-02	2.6E-13
7.8E-01	1.2E-06	1.0E-03	1.0E-09	1.6E-01	3.8E-02	6.1E-12	2.7E-01	1.3E-07	1.0E-03	3.8E-11	1.6E-01	3.8E-02	2.3E-13
6.1E-01	1.2E-06	1.0E-03	7.8E-10	1.6E-01	3.8E-02	4.7E-12	8.3E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	3.8E-02	6.9E-13
8.2E-01	1.2E-06	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.4E-12	9.0E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	3.8E-02	7.5E-13
1.1E+00	1.2E-06	1.0E-03	1.5E-09	1.6E-01	3.8E-02	8.9E-12	9.4E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	3.8E-02	7.9E-13
1.7E+00	1.2E-06	1.0E-03	2.2E-09	1.6E-01	3.8E-02	1.3E-11	9.6E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	3.8E-02	8.0E-13
2.7E+00	1.2E-06	1.0E-03	3.5E-09	1.6E-01	3.8E-02	2.1E-11	9.6E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	3.8E-02	8.0E-13
4.2E+00	1.2E-06	1.0E-03	5.4E-09	1.6E-01	3.8E-02	3.2E-11	6.1E-01	1.3E-07	1.0E-03	8.5E-11	1.6E-01	3.8E-02	5.1E-13
2.8E+00	1.2E-06	1.0E-03	3.7E-09	1.6E-01	3.8E-02	2.2E-11	5.3E-01	1.3E-07	1.0E-03	7.3E-11	1.6E-01	3.8E-02	4.4E-13
2.0E+00	1.2E-06	1.0E-03	2.6E-09	1.6E-01	3.8E-02	1.5E-11	4.6E-01	1.3E-07	1.0E-03	6.3E-11	1.6E-01	3.8E-02	3.8E-13
1.5E+00	1.2E-06	1.0E-03	1.9E-09	1.6E-01	3.8E-02	1.2E-11	4.0E-01	1.3E-07	1.0E-03	5.5E-11	1.6E-01	3.8E-02	3.3E-13
1.1E+00	1.2E-06	1.0E-03	1.4E-09	1.6E-01	3.8E-02	8.7E-12	3.4E-01	1.3E-07	1.0E-03	4.7E-11	1.6E-01	3.8E-02	2.9E-13
8.7E-01	1.2E-06	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.7E-12	3.0E-01	1.3E-07	1.0E-03	4.1E-11	1.6E-01	3.8E-02	2.5E-13
6.9E-01	1.2E-06	1.0E-03	8.9E-10	1.6E-01	3.8E-02	5.4E-12	2.6E-01	1.3E-07	1.0E-03	3.6E-11	1.6E-01	3.8E-02	2.2E-13
5.4E-01	1.2E-06	1.0E-03	7.0E-10	1.6E-01	3.8E-02	4.2E-12	6.5E-01	1.3E-07	1.0E-03	9.1E-11	1.6E-01	3.8E-02	5.5E-13
7.0E-01	1.2E-06	1.0E-03	9.0E-10	1.6E-01	3.8E-02	5.4E-12	7.0E-01	1.3E-07	1.0E-03	9.7E-11	1.6E-01	3.8E-02	5.9E-13
9.4E-01	1.2E-06	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.3E-12	7.4E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	3.8E-02	6.2E-13
1.3E+00	1.2E-06	1.0E-03	1.7E-09	1.6E-01	3.8E-02	1.0E-11	7.6E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.3E-13
1.9E+00	1.2E-06	1.0E-03	2.4E-09	1.6E-01	3.8E-02	1.4E-11	7.6E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.3E-13
3.0E+00	1.2E-06	1.0E-03	3.8E-09	1.6E-01	3.8E-02	2.3E-11	5.3E-01	1.3E-07	1.0E-03	7.4E-11	1.6E-01	3.8E-02	4.5E-13
2.2E+00	1.2E-06	1.0E-03	2.8E-09	1.6E-01	3.8E-02	1.7E-11	4.7E-01	1.3E-07	1.0E-03	6.5E-11	1.6E-01	3.8E-02	3.9E-13
1.6E+00	1.2E-06	1.0E-03	2.1E-09	1.6E-01	3.8E-02	1.3E-11	4.1E-01	1.3E-07	1.0E-03	5.7E-11	1.6E-01	3.8E-02	3.4E-13
1.3E+00	1.2E-06	1.0E-03	1.6E-09	1.6E-01	3.8E-02	9.9E-12	3.6E-01	1.3E-07	1.0E-03	5.0E-11	1.6E-01	3.8E-02	3.0E-13
9.8E-01	1.2E-06	1.0E-03	1.3E-09	1.6E-01	3.8E-02	7.6E-12	3.2E-01	1.3E-07	1.0E-03	4.4E-11	1.6E-01	3.8E-02	2.6E-13
7.8E-01	1.2E-06	1.0E-03	1.0E-09	1.6E-01	3.8E-02	6.0E-12	2.8E-01	1.3E-07	1.0E-03	3.9E-11	1.6E-01	3.8E-02	2.3E-13
6.3E-01	1.2E-06	1.0E-03	8.1E-10	1.6E-01	3.8E-02	4.9E-12	2.4E-01	1.3E-07	1.0E-03	3.4E-11	1.6E-01	3.8E-02	2.0E-13
4.7E-01	1.2E-06	1.0E-03	6.1E-10	1.6E-01	3.8E-02	3.7E-12	5.3E-01	1.3E-07	1.0E-03	7.3E-11	1.6E-01	3.8E-02	4.4E-13
5.9E-01	1.2E-06	1.0E-03	7.6E-10	1.6E-01	3.8E-02	4.6E-12	5.7E-01	1.3E-07	1.0E-03	7.9E-11	1.6E-01	3.8E-02	4.7E-13
7.6E-01	1.2E-06	1.0E-03	9.8E-10	1.6E-01	3.8E-02	5.9E-12	6.0E-01	1.3E-07	1.0E-03	8.2E-11	1.6E-01	3.8E-02	5.0E-13
1.0E+00	1.2E-06	1.0E-03	1.3E-09	1.6E-01	3.8E-02	7.8E-12	6.1E-01	1.3E-07	1.0E-03	8.5E-11	1.6E-01	3.8E-02	5.1E-13
1.4E+00	1.2E-06	1.0E-03	1.8E-09	1.6E-01	3.8E-02	1.1E-11	6.2E-01	1.3E-07	1.0E-03	8.5E-11	1.6E-01	3.8E-02	5.1E-13
1.8E+00	1.2E-06	1.0E-03	2.3E-09	1.6E-01	3.8E-02	1.4E-11	6.1E-01	1.3E-07	1.0E-03	8.4E-11	1.6E-01	3.8E-02	5.0E-13
2.2E+00	1.2E-06	1.0E-03	2.9E-09	1.6E-01	3.8E-02	1.7E-11	5.8E-01	1.3E-07	1.0E-03	8.1E-11	1.6E-01	3.8E-02	4.9E-13
2.5E+00	1.2E-06	1.0E-03	3.2E-09	1.6E-01	3.8E-02	1.9E-11	5.5E-01	1.3E-07	1.0E-03	7.6E-11	1.6E-01	3.8E-02	4.6E-13
2.4E+00	1.2E-06	1.0E-03	3.1E-09	1.6E-01	3.8E-02	1.9E-11	5.1E-01	1.3E-07	1.0E-03	7.0E-11	1.6E-01	3.8E-02	4.2E-13
2.1E+00	1.2E-06	1.0E-03	2.7E-09	1.6E-01	3.8E-02	1.6E-11	4.6E-01	1.3E-07	1.0E-03	6.4E-11	1.6E-01	3.8E-02	3.9E-13
1.7E+00	1.2E-06	1.0E-03	2.2E-09	1.6E-01	3.8E-02	1.4E-11	4.2E-01	1.3E-07	1.0E-03	5.8E-11	1.6E-01	3.8E-02	3.5E-13
1.3E+00	1.2E-06	1.0E-03	1.7E-09	1.6E-01	3.8E-02	1.0E-11	3.7E-01	1.3E-07	1.0E-03	5.1E-11	1.6E-01	3.8E-02	3.0E-13
1.1E+00	1.2E-06	1.0E-03	1.4E-09	1.6E-01	3.8E-02	8.2E-12	3.2E-01	1.3E-07	1.0E-03	4.5E-11	1.6E-01	3.8E-02	2.7E-13
8.7E-01	1.2E-06	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.8E-12	2.9E-01	1.3E-07	1.0E-03	4.1E-11	1.6E-01	3.8E-02	2.5E-13
7.0E-01	1.2E-06	1.0E-03	9.1E-10	1.6E-01	3.8E-02	5.5E-12	2.6E-01	1.3E-07	1.0E-03	3.6E-11	1.6E-01	3.8E-02	2.2E-13
5.7E-01	1.2E-06	1.0E-03	7.4E-10	1.6E-01	3.8E-02	4.5E-12	2.3E-01	1.3E-07	1.0E-03	3.2E-11	1.6E-01	3.8E-02	1.9E-13
4.1E-01	1.2E-06	1.0E-03	5.3E-10	1.6E-01	3.8E-02	3.2E-12	4.4E-01	1.3E-07	1.0E-03	6.0E-11	1.6E-01	3.8E-02	3.6E-13

5.0E-01	1.2E-06	1.0E-03	6.5E-10	1.6E-01	3.8E-02	3.9E-12	4.7E-01	1.3E-07	1.0E-03	6.5E-11	1.6E-01	3.8E-02	3.9E-13
6.2E-01	1.2E-06	1.0E-03	8.0E-10	1.6E-01	3.8E-02	4.8E-12	4.9E-01	1.3E-07	1.0E-03	6.8E-11	1.6E-01	3.8E-02	4.1E-13
8.0E-01	1.2E-06	1.0E-03	1.0E-09	1.6E-01	3.8E-02	6.2E-12	5.0E-01	1.3E-07	1.0E-03	7.0E-11	1.6E-01	3.8E-02	4.2E-13
1.0E+00	1.2E-06	1.0E-03	1.3E-09	1.6E-01	3.8E-02	8.0E-12	5.1E-01	1.3E-07	1.0E-03	7.0E-11	1.6E-01	3.8E-02	4.2E-13
1.3E+00	1.2E-06	1.0E-03	1.7E-09	1.6E-01	3.8E-02	1.0E-11	5.0E-01	1.3E-07	1.0E-03	7.0E-11	1.6E-01	3.8E-02	4.2E-13
1.5E+00	1.2E-06	1.0E-03	2.0E-09	1.6E-01	3.8E-02	1.2E-11	4.9E-01	1.3E-07	1.0E-03	6.7E-11	1.6E-01	3.8E-02	4.1E-13
1.7E+00	1.2E-06	1.0E-03	2.1E-09	1.6E-01	3.8E-02	1.3E-11	4.7E-01	1.3E-07	1.0E-03	6.4E-11	1.6E-01	3.8E-02	3.9E-13
1.7E+00	1.2E-06	1.0E-03	2.2E-09	1.6E-01	3.8E-02	1.3E-11	4.4E-01	1.3E-07	1.0E-03	6.0E-11	1.6E-01	3.8E-02	3.6E-13
1.6E+00	1.2E-06	1.0E-03	2.0E-09	1.6E-01	3.8E-02	1.2E-11	4.0E-01	1.3E-07	1.0E-03	5.6E-11	1.6E-01	3.8E-02	3.4E-13
1.4E+00	1.2E-06	1.0E-03	1.7E-09	1.6E-01	3.8E-02	1.1E-11	3.7E-01	1.3E-07	1.0E-03	5.1E-11	1.6E-01	3.8E-02	3.1E-13
1.1E+00	1.2E-06	1.0E-03	1.5E-09	1.6E-01	3.8E-02	8.8E-12	3.3E-01	1.3E-07	1.0E-03	4.6E-11	1.6E-01	3.8E-02	2.8E-13
9.0E-01	1.2E-06	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.0E-12	2.9E-01	1.3E-07	1.0E-03	4.1E-11	1.6E-01	3.8E-02	2.5E-13
7.7E-01	1.2E-06	1.0E-03	9.9E-10	1.6E-01	3.8E-02	5.9E-12	2.7E-01	1.3E-07	1.0E-03	3.7E-11	1.6E-01	3.8E-02	2.3E-13
6.4E-01	1.2E-06	1.0E-03	8.2E-10	1.6E-01	3.8E-02	5.0E-12	2.4E-01	1.3E-07	1.0E-03	3.4E-11	1.6E-01	3.8E-02	2.0E-13
5.3E-01	1.2E-06	1.0E-03	6.8E-10	1.6E-01	3.8E-02	4.1E-12	2.2E-01	1.3E-07	1.0E-03	3.0E-11	1.6E-01	3.8E-02	1.8E-13
3.6E-01	1.2E-06	1.0E-03	4.7E-10	1.6E-01	3.8E-02	2.8E-12	3.7E-01	1.3E-07	1.0E-03	5.1E-11	1.6E-01	3.8E-02	3.1E-13
4.3E-01	1.2E-06	1.0E-03	5.6E-10	1.6E-01	3.8E-02	3.4E-12	3.9E-01	1.3E-07	1.0E-03	5.4E-11	1.6E-01	3.8E-02	3.3E-13
5.3E-01	1.2E-06	1.0E-03	6.8E-10	1.6E-01	3.8E-02	4.1E-12	4.1E-01	1.3E-07	1.0E-03	5.7E-11	1.6E-01	3.8E-02	3.4E-13
6.5E-01	1.2E-06	1.0E-03	8.4E-10	1.6E-01	3.8E-02	5.0E-12	4.2E-01	1.3E-07	1.0E-03	5.8E-11	1.6E-01	3.8E-02	3.5E-13
8.0E-01	1.2E-06	1.0E-03	1.0E-09	1.6E-01	3.8E-02	6.2E-12	4.3E-01	1.3E-07	1.0E-03	5.9E-11	1.6E-01	3.8E-02	3.6E-13
9.6E-01	1.2E-06	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.4E-12	4.2E-01	1.3E-07	1.0E-03	5.9E-11	1.6E-01	3.8E-02	3.5E-13
1.1E+00	1.2E-06	1.0E-03	1.4E-09	1.6E-01	3.8E-02	8.6E-12	4.1E-01	1.3E-07	1.0E-03	5.7E-11	1.6E-01	3.8E-02	3.4E-13
1.2E+00	1.2E-06	1.0E-03	1.5E-09	1.6E-01	3.8E-02	9.3E-12	4.0E-01	1.3E-07	1.0E-03	5.5E-11	1.6E-01	3.8E-02	3.3E-13
1.2E+00	1.2E-06	1.0E-03	1.6E-09	1.6E-01	3.8E-02	9.5E-12	3.8E-01	1.3E-07	1.0E-03	5.2E-11	1.6E-01	3.8E-02	3.1E-13
1.2E+00	1.2E-06	1.0E-03	1.5E-09	1.6E-01	3.8E-02	9.0E-12	3.5E-01	1.3E-07	1.0E-03	4.9E-11	1.6E-01	3.8E-02	2.9E-13
1.0E+00	1.2E-06	1.0E-03	1.3E-09	1.6E-01	3.8E-02	7.9E-12	3.2E-01	1.3E-07	1.0E-03	4.4E-11	1.6E-01	3.8E-02	2.7E-13
9.0E-01	1.2E-06	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.0E-12	3.0E-01	1.3E-07	1.0E-03	4.1E-11	1.6E-01	3.8E-02	2.5E-13
7.8E-01	1.2E-06	1.0E-03	1.0E-09	1.6E-01	3.8E-02	6.0E-12	2.7E-01	1.3E-07	1.0E-03	3.7E-11	1.6E-01	3.8E-02	2.3E-13
6.4E-01	1.2E-06	1.0E-03	8.3E-10	1.6E-01	3.8E-02	5.0E-12	2.4E-01	1.3E-07	1.0E-03	3.3E-11	1.6E-01	3.8E-02	2.0E-13
5.7E-01	1.2E-06	1.0E-03	7.4E-10	1.6E-01	3.8E-02	4.4E-12	2.3E-01	1.3E-07	1.0E-03	3.1E-11	1.6E-01	3.8E-02	1.9E-13
4.9E-01	1.2E-06	1.0E-03	6.3E-10	1.6E-01	3.8E-02	3.8E-12	2.1E-01	1.3E-07	1.0E-03	2.8E-11	1.6E-01	3.8E-02	1.7E-13
3.2E-01	1.2E-06	1.0E-03	4.1E-10	1.6E-01	3.8E-02	2.5E-12	3.1E-01	1.3E-07	1.0E-03	4.3E-11	1.6E-01	3.8E-02	2.6E-13
3.7E-01	1.2E-06	1.0E-03	4.8E-10	1.6E-01	3.8E-02	2.9E-12	3.3E-01	1.3E-07	1.0E-03	4.6E-11	1.6E-01	3.8E-02	2.8E-13
4.5E-01	1.2E-06	1.0E-03	5.7E-10	1.6E-01	3.8E-02	3.5E-12	3.5E-01	1.3E-07	1.0E-03	4.8E-11	1.6E-01	3.8E-02	2.9E-13
5.3E-01	1.2E-06	1.0E-03	6.9E-10	1.6E-01	3.8E-02	4.1E-12	3.6E-01	1.3E-07	1.0E-03	4.9E-11	1.6E-01	3.8E-02	3.0E-13
6.4E-01	1.2E-06	1.0E-03	8.2E-10	1.6E-01	3.8E-02	4.9E-12	3.6E-01	1.3E-07	1.0E-03	5.0E-11	1.6E-01	3.8E-02	3.0E-13
7.4E-01	1.2E-06	1.0E-03	9.6E-10	1.6E-01	3.8E-02	5.8E-12	3.6E-01	1.3E-07	1.0E-03	5.0E-11	1.6E-01	3.8E-02	3.0E-13
8.4E-01	1.2E-06	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.5E-12	3.5E-01	1.3E-07	1.0E-03	4.9E-11	1.6E-01	3.8E-02	3.0E-13
9.0E-01	1.2E-06	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.0E-12	3.4E-01	1.3E-07	1.0E-03	4.7E-11	1.6E-01	3.8E-02	2.9E-13
9.2E-01	1.2E-06	1.0E-03	1.2E-09	1.6E-01	3.8E-02	7.1E-12	3.3E-01	1.3E-07	1.0E-03	4.5E-11	1.6E-01	3.8E-02	2.7E-13
8.9E-01	1.2E-06	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.9E-12	3.1E-01	1.3E-07	1.0E-03	4.3E-11	1.6E-01	3.8E-02	2.6E-13
8.4E-01	1.2E-06	1.0E-03	1.1E-09	1.6E-01	3.8E-02	6.5E-12	2.9E-01	1.3E-07	1.0E-03	4.0E-11	1.6E-01	3.8E-02	2.4E-13
7.7E-01	1.2E-06	1.0E-03	9.9E-10	1.6E-01	3.8E-02	6.0E-12	2.7E-01	1.3E-07	1.0E-03	3.8E-11	1.6E-01	3.8E-02	2.3E-13
6.8E-01	1.2E-06	1.0E-03	8.8E-10	1.6E-01	3.8E-02	5.3E-12	2.5E-01	1.3E-07	1.0E-03	3.5E-11	1.6E-01	3.8E-02	2.1E-13
5.6E-01	1.2E-06	1.0E-03	7.2E-10	1.6E-01	3.8E-02	4.4E-12	2.2E-01	1.3E-07	1.0E-03	3.1E-11	1.6E-01	3.8E-02	1.9E-13
4.9E-01	1.2E-06	1.0E-03	6.3E-10	1.6E-01	3.8E-02	3.8E-12	2.0E-01	1.3E-07	1.0E-03	2.8E-11	1.6E-01	3.8E-02	1.7E-13

4.5E-01	1.2E-06	1.0E-03	5.7E-10	1.6E-01	3.8E-02	3.5E-12	1.9E-01	1.3E-07	1.0E-03	2.7E-11	1.6E-01	3.8E-02	1.6E-13
2.8E-01	1.2E-06	1.0E-03	3.6E-10	1.6E-01	3.8E-02	2.2E-12	2.7E-01	1.3E-07	1.0E-03	3.8E-11	1.6E-01	3.8E-02	2.3E-13
3.3E-01	1.2E-06	1.0E-03	4.2E-10	1.6E-01	3.8E-02	2.5E-12	2.9E-01	1.3E-07	1.0E-03	4.0E-11	1.6E-01	3.8E-02	2.4E-13
3.8E-01	1.2E-06	1.0E-03	4.9E-10	1.6E-01	3.8E-02	3.0E-12	3.0E-01	1.3E-07	1.0E-03	4.1E-11	1.6E-01	3.8E-02	2.5E-13
4.5E-01	1.2E-06	1.0E-03	5.8E-10	1.6E-01	3.8E-02	3.5E-12	3.1E-01	1.3E-07	1.0E-03	4.2E-11	1.6E-01	3.8E-02	2.6E-13
5.2E-01	1.2E-06	1.0E-03	6.7E-10	1.6E-01	3.8E-02	4.0E-12	3.1E-01	1.3E-07	1.0E-03	4.3E-11	1.6E-01	3.8E-02	2.6E-13
5.9E-01	1.2E-06	1.0E-03	7.6E-10	1.6E-01	3.8E-02	4.6E-12	3.1E-01	1.3E-07	1.0E-03	4.3E-11	1.6E-01	3.8E-02	2.6E-13
6.6E-01	1.2E-06	1.0E-03	8.5E-10	1.6E-01	3.8E-02	5.1E-12	3.1E-01	1.3E-07	1.0E-03	4.2E-11	1.6E-01	3.8E-02	2.6E-13
7.0E-01	1.2E-06	1.0E-03	9.0E-10	1.6E-01	3.8E-02	5.5E-12	3.0E-01	1.3E-07	1.0E-03	4.1E-11	1.6E-01	3.8E-02	2.5E-13
7.2E-01	1.2E-06	1.0E-03	9.3E-10	1.6E-01	3.8E-02	5.6E-12	2.9E-01	1.3E-07	1.0E-03	4.0E-11	1.6E-01	3.8E-02	2.4E-13
7.1E-01	1.2E-06	1.0E-03	9.2E-10	1.6E-01	3.8E-02	5.5E-12	2.7E-01	1.3E-07	1.0E-03	3.8E-11	1.6E-01	3.8E-02	2.3E-13
6.9E-01	1.2E-06	1.0E-03	8.8E-10	1.6E-01	3.8E-02	5.3E-12	2.6E-01	1.3E-07	1.0E-03	3.6E-11	1.6E-01	3.8E-02	2.2E-13
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5.8E-01	1.2E-06	1.0E-03	7.5E-10	1.6E-01	3.8E-02	4.5E-12	2.3E-01	1.3E-07	1.0E-03	3.2E-11	1.6E-01	3.8E-02	1.9E-13
5.2E-01	1.2E-06	1.0E-03	6.7E-10	1.6E-01	3.8E-02	4.0E-12	2.1E-01	1.3E-07	1.0E-03	2.9E-11	1.6E-01	3.8E-02	1.8E-13
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3.8E-01	1.2E-06	1.0E-03	4.9E-10	1.6E-01	3.8E-02	3.0E-12	1.7E-01	1.3E-07	1.0E-03	2.4E-11	1.6E-01	3.8E-02	1.4E-13
2.5E-01	1.2E-06	1.0E-03	3.2E-10	1.6E-01	3.8E-02	1.9E-12	2.4E-01	1.3E-07	1.0E-03	3.3E-11	1.6E-01	3.8E-02	2.0E-13
2.9E-01	1.2E-06	1.0E-03	3.7E-10	1.6E-01	3.8E-02	2.2E-12	2.5E-01	1.3E-07	1.0E-03	3.5E-11	1.6E-01	3.8E-02	2.1E-13
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3.8E-01	1.2E-06	1.0E-03	4.9E-10	1.6E-01	3.8E-02	2.9E-12	2.7E-01	1.3E-07	1.0E-03	3.7E-11	1.6E-01	3.8E-02	2.2E-13
4.3E-01	1.2E-06	1.0E-03	5.6E-10	1.6E-01	3.8E-02	3.4E-12	2.7E-01	1.3E-07	1.0E-03	3.7E-11	1.6E-01	3.8E-02	2.2E-13
4.9E-01	1.2E-06	1.0E-03	6.2E-10	1.6E-01	3.8E-02	3.8E-12	2.7E-01	1.3E-07	1.0E-03	3.7E-11	1.6E-01	3.8E-02	2.3E-13
5.3E-01	1.2E-06	1.0E-03	6.8E-10	1.6E-01	3.8E-02	4.1E-12	2.7E-01	1.3E-07	1.0E-03	3.7E-11	1.6E-01	3.8E-02	2.2E-13
5.6E-01	1.2E-06	1.0E-03	7.3E-10	1.6E-01	3.8E-02	4.4E-12	2.6E-01	1.3E-07	1.0E-03	3.6E-11	1.6E-01	3.8E-02	2.2E-13
5.8E-01	1.2E-06	1.0E-03	7.5E-10	1.6E-01	3.8E-02	4.5E-12	2.5E-01	1.3E-07	1.0E-03	3.5E-11	1.6E-01	3.8E-02	2.1E-13
5.8E-01	1.2E-06	1.0E-03	7.5E-10	1.6E-01	3.8E-02	4.5E-12	2.4E-01	1.3E-07	1.0E-03	3.4E-11	1.6E-01	3.8E-02	2.0E-13
5.6E-01	1.2E-06	1.0E-03	7.2E-10	1.6E-01	3.8E-02	4.4E-12	2.3E-01	1.3E-07	1.0E-03	3.2E-11	1.6E-01	3.8E-02	1.9E-13
5.3E-01	1.2E-06	1.0E-03	6.9E-10	1.6E-01	3.8E-02	4.1E-12	2.2E-01	1.3E-07	1.0E-03	3.1E-11	1.6E-01	3.8E-02	1.8E-13
5.0E-01	1.2E-06	1.0E-03	6.4E-10	1.6E-01	3.8E-02	3.9E-12	2.1E-01	1.3E-07	1.0E-03	2.9E-11	1.6E-01	3.8E-02	1.7E-13
4.5E-01	1.2E-06	1.0E-03	5.9E-10	1.6E-01	3.8E-02	3.5E-12	1.9E-01	1.3E-07	1.0E-03	2.7E-11	1.6E-01	3.8E-02	1.6E-13
4.0E-01	1.2E-06	1.0E-03	5.2E-10	1.6E-01	3.8E-02	3.1E-12	1.8E-01	1.3E-07	1.0E-03	2.5E-11	1.6E-01	3.8E-02	1.5E-13
3.4E-01	1.2E-06	1.0E-03	4.4E-10	1.6E-01	3.8E-02	2.7E-12	1.6E-01	1.3E-07	1.0E-03	2.2E-11	1.6E-01	3.8E-02	1.3E-13
2.2E-01	1.2E-06	1.0E-03	2.9E-10	1.6E-01	3.8E-02	1.7E-12	2.1E-01	1.3E-07	1.0E-03	2.9E-11	1.6E-01	3.8E-02	1.7E-13
2.5E-01	1.2E-06	1.0E-03	3.2E-10	1.6E-01	3.8E-02	2.0E-12	2.2E-01	1.3E-07	1.0E-03	3.0E-11	1.6E-01	3.8E-02	1.8E-13
2.9E-01	1.2E-06	1.0E-03	3.7E-10	1.6E-01	3.8E-02	2.2E-12	2.3E-01	1.3E-07	1.0E-03	3.1E-11	1.6E-01	3.8E-02	1.9E-13
3.3E-01	1.2E-06	1.0E-03	4.2E-10	1.6E-01	3.8E-02	2.5E-12	2.3E-01	1.3E-07	1.0E-03	3.2E-11	1.6E-01	3.8E-02	1.9E-13
3.7E-01	1.2E-06	1.0E-03	4.7E-10	1.6E-01	3.8E-02	2.8E-12	2.4E-01	1.3E-07	1.0E-03	3.3E-11	1.6E-01	3.8E-02	2.0E-13
4.0E-01	1.2E-06	1.0E-03	5.2E-10	1.6E-01	3.8E-02	3.1E-12	2.4E-01	1.3E-07	1.0E-03	3.3E-11	1.6E-01	3.8E-02	2.0E-13
4.4E-01	1.2E-06	1.0E-03	5.6E-10	1.6E-01	3.8E-02	3.4E-12	2.4E-01	1.3E-07	1.0E-03	3.3E-11	1.6E-01	3.8E-02	2.0E-13
4.6E-01	1.2E-06	1.0E-03	6.0E-10	1.6E-01	3.8E-02	3.6E-12	2.3E-01	1.3E-07	1.0E-03	3.2E-11	1.6E-01	3.8E-02	1.9E-13
4.8E-01	1.2E-06	1.0E-03	6.1E-10	1.6E-01	3.8E-02	3.7E-12	2.3E-01	1.3E-07	1.0E-03	3.1E-11	1.6E-01	3.8E-02	1.9E-13
4.8E-01	1.2E-06	1.0E-03	6.2E-10	1.6E-01	3.8E-02	3.7E-12	2.2E-01	1.3E-07	1.0E-03	3.0E-11	1.6E-01	3.8E-02	1.8E-13
4.7E-01	1.2E-06	1.0E-03	6.0E-10	1.6E-01	3.8E-02	3.6E-12	2.1E-01	1.3E-07	1.0E-03	2.9E-11	1.6E-01	3.8E-02	1.8E-13
4.5E-01	1.2E-06	1.0E-03	5.8E-10	1.6E-01	3.8E-02	3.5E-12	2.0E-01	1.3E-07	1.0E-03	2.8E-11	1.6E-01	3.8E-02	1.7E-13
4.3E-01	1.2E-06	1.0E-03	5.5E-10	1.6E-01	3.8E-02	3.3E-12	1.9E-01	1.3E-07	1.0E-03	2.6E-11	1.6E-01	3.8E-02	1.6E-13

4.0E-01	1.2E-06	1.0E-03	5.1E-10	1.6E-01	3.8E-02	3.1E-12	1.8E-01	1.3E-07	1.0E-03	2.5E-11	1.6E-01	3.8E-02	1.5E-13
3.6E-01	1.2E-06	1.0E-03	4.6E-10	1.6E-01	3.8E-02	2.8E-12	1.7E-01	1.3E-07	1.0E-03	2.3E-11	1.6E-01	3.8E-02	1.4E-13
3.1E-01	1.2E-06	1.0E-03	4.0E-10	1.6E-01	3.8E-02	2.4E-12	1.5E-01	1.3E-07	1.0E-03	2.1E-11	1.6E-01	3.8E-02	1.3E-13
1.4E+01	1.2E-06	1.0E-03	1.8E-08	1.6E-01	3.8E-02	1.1E-10	2.2E+00	1.3E-07	1.0E-03	3.0E-10	1.6E-01	3.8E-02	1.8E-12
1.8E+01	1.2E-06	1.0E-03	2.4E-08	1.6E-01	3.8E-02	1.4E-10	2.2E+00	1.3E-07	1.0E-03	3.0E-10	1.6E-01	3.8E-02	1.8E-12
2.4E+01	1.2E-06	1.0E-03	3.1E-08	1.6E-01	3.8E-02	1.9E-10	2.1E+00	1.3E-07	1.0E-03	2.9E-10	1.6E-01	3.8E-02	1.8E-12
3.2E+01	1.2E-06	1.0E-03	4.1E-08	1.6E-01	3.8E-02	2.5E-10	2.1E+00	1.3E-07	1.0E-03	2.8E-10	1.6E-01	3.8E-02	1.7E-12
4.2E+01	1.2E-06	1.0E-03	5.5E-08	1.6E-01	3.8E-02	3.3E-10	2.0E+00	1.3E-07	1.0E-03	2.8E-10	1.6E-01	3.8E-02	1.7E-12
5.4E+01	1.2E-06	1.0E-03	6.9E-08	1.6E-01	3.8E-02	4.2E-10	1.9E+00	1.3E-07	1.0E-03	2.7E-10	1.6E-01	3.8E-02	1.6E-12
6.3E+01	1.2E-06	1.0E-03	8.1E-08	1.6E-01	3.8E-02	4.9E-10	1.9E+00	1.3E-07	1.0E-03	2.6E-10	1.6E-01	3.8E-02	1.6E-12
6.8E+01	1.2E-06	1.0E-03	8.8E-08	1.6E-01	3.8E-02	5.3E-10	1.8E+00	1.3E-07	1.0E-03	2.5E-10	1.6E-01	3.8E-02	1.5E-12
7.0E+01	1.2E-06	1.0E-03	9.0E-08	1.6E-01	3.8E-02	5.4E-10	1.7E+00	1.3E-07	1.0E-03	2.4E-10	1.6E-01	3.8E-02	1.5E-12
6.8E+01	1.2E-06	1.0E-03	8.7E-08	1.6E-01	3.8E-02	5.3E-10	1.7E+00	1.3E-07	1.0E-03	2.3E-10	1.6E-01	3.8E-02	1.4E-12
6.1E+01	1.2E-06	1.0E-03	7.8E-08	1.6E-01	3.8E-02	4.7E-10	1.6E+00	1.3E-07	1.0E-03	2.2E-10	1.6E-01	3.8E-02	1.3E-12
5.1E+01	1.2E-06	1.0E-03	6.6E-08	1.6E-01	3.8E-02	4.0E-10	1.5E+00	1.3E-07	1.0E-03	2.1E-10	1.6E-01	3.8E-02	1.3E-12
4.2E+01	1.2E-06	1.0E-03	5.4E-08	1.6E-01	3.8E-02	3.3E-10	1.5E+00	1.3E-07	1.0E-03	2.0E-10	1.6E-01	3.8E-02	1.2E-12
3.5E+01	1.2E-06	1.0E-03	4.5E-08	1.6E-01	3.8E-02	2.7E-10	1.4E+00	1.3E-07	1.0E-03	2.0E-10	1.6E-01	3.8E-02	1.2E-12
2.9E+01	1.2E-06	1.0E-03	3.7E-08	1.6E-01	3.8E-02	2.2E-10	1.3E+00	1.3E-07	1.0E-03	1.9E-10	1.6E-01	3.8E-02	1.1E-12
2.4E+01	1.2E-06	1.0E-03	3.1E-08	1.6E-01	3.8E-02	1.9E-10	1.3E+00	1.3E-07	1.0E-03	1.8E-10	1.6E-01	3.8E-02	1.1E-12
2.0E+01	1.2E-06	1.0E-03	2.6E-08	1.6E-01	3.8E-02	1.6E-10	1.2E+00	1.3E-07	1.0E-03	1.7E-10	1.6E-01	3.8E-02	1.0E-12
1.7E+01	1.2E-06	1.0E-03	2.2E-08	1.6E-01	3.8E-02	1.3E-10	1.2E+00	1.3E-07	1.0E-03	1.6E-10	1.6E-01	3.8E-02	9.7E-13
1.5E+01	1.2E-06	1.0E-03	1.9E-08	1.6E-01	3.8E-02	1.1E-10	1.1E+00	1.3E-07	1.0E-03	1.5E-10	1.6E-01	3.8E-02	9.3E-13
1.3E+01	1.2E-06	1.0E-03	1.6E-08	1.6E-01	3.8E-02	9.8E-11	1.1E+00	1.3E-07	1.0E-03	1.5E-10	1.6E-01	3.8E-02	8.8E-13
1.1E+01	1.2E-06	1.0E-03	1.4E-08	1.6E-01	3.8E-02	8.5E-11	1.0E+00	1.3E-07	1.0E-03	1.4E-10	1.6E-01	3.8E-02	8.4E-13
9.6E+00	1.2E-06	1.0E-03	1.2E-08	1.6E-01	3.8E-02	7.4E-11	9.5E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	3.8E-02	8.0E-13
8.5E+00	1.2E-06	1.0E-03	1.1E-08	1.6E-01	3.8E-02	6.6E-11	9.1E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	3.8E-02	7.6E-13
7.5E+00	1.2E-06	1.0E-03	9.7E-09	1.6E-01	3.8E-02	5.8E-11	8.7E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	3.8E-02	7.2E-13
6.7E+00	1.2E-06	1.0E-03	8.6E-09	1.6E-01	3.8E-02	5.2E-11	8.3E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.9E-13
6.0E+00	1.2E-06	1.0E-03	7.8E-09	1.6E-01	3.8E-02	4.7E-11	7.9E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.6E-13
1.6E+01	1.2E-06	1.0E-03	2.1E-08	1.6E-01	3.8E-02	1.3E-10	2.0E+00	1.3E-07	1.0E-03	2.8E-10	1.6E-01	3.8E-02	1.7E-12
2.2E+01	1.2E-06	1.0E-03	2.8E-08	1.6E-01	3.8E-02	1.7E-10	2.0E+00	1.3E-07	1.0E-03	2.8E-10	1.6E-01	3.8E-02	1.7E-12
3.0E+01	1.2E-06	1.0E-03	3.9E-08	1.6E-01	3.8E-02	2.3E-10	2.0E+00	1.3E-07	1.0E-03	2.7E-10	1.6E-01	3.8E-02	1.6E-12
4.3E+01	1.2E-06	1.0E-03	5.5E-08	1.6E-01	3.8E-02	3.3E-10	1.9E+00	1.3E-07	1.0E-03	2.7E-10	1.6E-01	3.8E-02	1.6E-12
1.5E+01	1.2E-06	1.0E-03	2.0E-08	1.6E-01	3.8E-02	1.2E-10	1.9E+00	1.3E-07	1.0E-03	2.6E-10	1.6E-01	3.8E-02	1.6E-12
2.2E+01	1.2E-06	1.0E-03	2.8E-08	1.6E-01	3.8E-02	1.7E-10	1.8E+00	1.3E-07	1.0E-03	2.5E-10	1.6E-01	3.8E-02	1.5E-12
3.2E+01	1.2E-06	1.0E-03	4.1E-08	1.6E-01	3.8E-02	2.5E-10	1.8E+00	1.3E-07	1.0E-03	2.4E-10	1.6E-01	3.8E-02	1.5E-12
4.6E+01	1.2E-06	1.0E-03	6.0E-08	1.6E-01	3.8E-02	3.6E-10	1.7E+00	1.3E-07	1.0E-03	2.4E-10	1.6E-01	3.8E-02	1.4E-12
4.7E+01	1.2E-06	1.0E-03	6.1E-08	1.6E-01	3.8E-02	3.7E-10	1.6E+00	1.3E-07	1.0E-03	2.3E-10	1.6E-01	3.8E-02	1.4E-12
3.5E+01	1.2E-06	1.0E-03	4.5E-08	1.6E-01	3.8E-02	2.7E-10	1.6E+00	1.3E-07	1.0E-03	2.2E-10	1.6E-01	3.8E-02	1.3E-12
2.6E+01	1.2E-06	1.0E-03	3.4E-08	1.6E-01	3.8E-02	2.0E-10	1.5E+00	1.3E-07	1.0E-03	2.1E-10	1.6E-01	3.8E-02	1.3E-12
6.8E+01	1.2E-06	1.0E-03	8.8E-08	1.6E-01	3.8E-02	5.3E-10	1.5E+00	1.3E-07	1.0E-03	2.0E-10	1.6E-01	3.8E-02	1.2E-12
5.2E+01	1.2E-06	1.0E-03	6.7E-08	1.6E-01	3.8E-02	4.0E-10	1.4E+00	1.3E-07	1.0E-03	1.9E-10	1.6E-01	3.8E-02	1.2E-12
4.0E+01	1.2E-06	1.0E-03	5.2E-08	1.6E-01	3.8E-02	3.1E-10	1.3E+00	1.3E-07	1.0E-03	1.9E-10	1.6E-01	3.8E-02	1.1E-12
3.2E+01	1.2E-06	1.0E-03	4.1E-08	1.6E-01	3.8E-02	2.5E-10	1.3E+00	1.3E-07	1.0E-03	1.8E-10	1.6E-01	3.8E-02	1.1E-12
2.6E+01	1.2E-06	1.0E-03	3.3E-08	1.6E-01	3.8E-02	2.0E-10	1.2E+00	1.3E-07	1.0E-03	1.7E-10	1.6E-01	3.8E-02	1.0E-12
2.1E+01	1.2E-06	1.0E-03	2.7E-08	1.6E-01	3.8E-02	1.6E-10	1.2E+00	1.3E-07	1.0E-03	1.6E-10	1.6E-01	3.8E-02	9.8E-13

1.8E+01	1.2E-06	1.0E-03	2.3E-08	1.6E-01	3.8E-02	1.4E-10	1.1E+00	1.3E-07	1.0E-03	1.6E-10	1.6E-01	3.8E-02	9.3E-13
1.5E+01	1.2E-06	1.0E-03	1.9E-08	1.6E-01	3.8E-02	1.2E-10	1.1E+00	1.3E-07	1.0E-03	1.5E-10	1.6E-01	3.8E-02	8.9E-13
1.3E+01	1.2E-06	1.0E-03	1.6E-08	1.6E-01	3.8E-02	9.9E-11	1.0E+00	1.3E-07	1.0E-03	1.4E-10	1.6E-01	3.8E-02	8.5E-13
1.1E+01	1.2E-06	1.0E-03	1.4E-08	1.6E-01	3.8E-02	8.5E-11	9.7E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	3.8E-02	8.1E-13
9.6E+00	1.2E-06	1.0E-03	1.2E-08	1.6E-01	3.8E-02	7.4E-11	9.2E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	3.8E-02	7.7E-13
8.4E+00	1.2E-06	1.0E-03	1.1E-08	1.6E-01	3.8E-02	6.5E-11	8.8E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	3.8E-02	7.4E-13
7.4E+00	1.2E-06	1.0E-03	9.6E-09	1.6E-01	3.8E-02	5.8E-11	8.4E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	3.8E-02	7.0E-13
6.6E+00	1.2E-06	1.0E-03	8.5E-09	1.6E-01	3.8E-02	5.1E-11	8.0E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.7E-13
5.9E+00	1.2E-06	1.0E-03	7.6E-09	1.6E-01	3.8E-02	4.6E-11	7.7E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.4E-13
1.8E+01	1.2E-06	1.0E-03	2.3E-08	1.6E-01	3.8E-02	1.4E-10	1.9E+00	1.3E-07	1.0E-03	2.6E-10	1.6E-01	3.8E-02	1.6E-12
2.5E+01	1.2E-06	1.0E-03	3.2E-08	1.6E-01	3.8E-02	1.9E-10	1.9E+00	1.3E-07	1.0E-03	2.6E-10	1.6E-01	3.8E-02	1.6E-12
3.7E+01	1.2E-06	1.0E-03	4.7E-08	1.6E-01	3.8E-02	2.8E-10	1.8E+00	1.3E-07	1.0E-03	2.5E-10	1.6E-01	3.8E-02	1.5E-12
5.7E+01	1.2E-06	1.0E-03	7.3E-08	1.6E-01	3.8E-02	4.4E-10	1.8E+00	1.3E-07	1.0E-03	2.5E-10	1.6E-01	3.8E-02	1.5E-12
1.8E+01	1.2E-06	1.0E-03	2.3E-08	1.6E-01	3.8E-02	1.4E-10	1.7E+00	1.3E-07	1.0E-03	2.4E-10	1.6E-01	3.8E-02	1.5E-12
2.7E+01	1.2E-06	1.0E-03	3.5E-08	1.6E-01	3.8E-02	2.1E-10	1.7E+00	1.3E-07	1.0E-03	2.4E-10	1.6E-01	3.8E-02	1.4E-12
4.4E+01	1.2E-06	1.0E-03	5.6E-08	1.6E-01	3.8E-02	3.4E-10	1.7E+00	1.3E-07	1.0E-03	2.3E-10	1.6E-01	3.8E-02	1.4E-12
0.0E+00	1.2E-06	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.6E+00	1.3E-07	1.0E-03	2.2E-10	1.6E-01	3.8E-02	1.3E-12
0.0E+00	1.2E-06	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.6E+00	1.3E-07	1.0E-03	2.1E-10	1.6E-01	3.8E-02	1.3E-12
4.3E+01	1.2E-06	1.0E-03	5.6E-08	1.6E-01	3.8E-02	3.4E-10	1.5E+00	1.3E-07	1.0E-03	2.1E-10	1.6E-01	3.8E-02	1.2E-12
3.0E+01	1.2E-06	1.0E-03	3.9E-08	1.6E-01	3.8E-02	2.3E-10	1.4E+00	1.3E-07	1.0E-03	2.0E-10	1.6E-01	3.8E-02	1.2E-12
2.2E+01	1.2E-06	1.0E-03	2.9E-08	1.6E-01	3.8E-02	1.7E-10	1.4E+00	1.3E-07	1.0E-03	1.9E-10	1.6E-01	3.8E-02	1.2E-12
6.1E+01	1.2E-06	1.0E-03	7.9E-08	1.6E-01	3.8E-02	4.8E-10	1.3E+00	1.3E-07	1.0E-03	1.8E-10	1.6E-01	3.8E-02	1.1E-12
4.4E+01	1.2E-06	1.0E-03	5.7E-08	1.6E-01	3.8E-02	3.4E-10	1.3E+00	1.3E-07	1.0E-03	1.8E-10	1.6E-01	3.8E-02	1.1E-12
3.4E+01	1.2E-06	1.0E-03	4.3E-08	1.6E-01	3.8E-02	2.6E-10	1.2E+00	1.3E-07	1.0E-03	1.7E-10	1.6E-01	3.8E-02	1.0E-12
2.7E+01	1.2E-06	1.0E-03	3.4E-08	1.6E-01	3.8E-02	2.1E-10	1.2E+00	1.3E-07	1.0E-03	1.6E-10	1.6E-01	3.8E-02	9.8E-13
2.2E+01	1.2E-06	1.0E-03	2.8E-08	1.6E-01	3.8E-02	1.7E-10	1.1E+00	1.3E-07	1.0E-03	1.6E-10	1.6E-01	3.8E-02	9.4E-13
1.8E+01	1.2E-06	1.0E-03	2.3E-08	1.6E-01	3.8E-02	1.4E-10	1.1E+00	1.3E-07	1.0E-03	1.5E-10	1.6E-01	3.8E-02	9.0E-13
1.5E+01	1.2E-06	1.0E-03	1.9E-08	1.6E-01	3.8E-02	1.2E-10	1.0E+00	1.3E-07	1.0E-03	1.4E-10	1.6E-01	3.8E-02	8.6E-13
1.3E+01	1.2E-06	1.0E-03	1.6E-08	1.6E-01	3.8E-02	9.8E-11	9.8E-01	1.3E-07	1.0E-03	1.4E-10	1.6E-01	3.8E-02	8.2E-13
1.1E+01	1.2E-06	1.0E-03	1.4E-08	1.6E-01	3.8E-02	8.4E-11	9.4E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	3.8E-02	7.8E-13
9.4E+00	1.2E-06	1.0E-03	1.2E-08	1.6E-01	3.8E-02	7.3E-11	9.0E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	3.8E-02	7.5E-13
8.2E+00	1.2E-06	1.0E-03	1.1E-08	1.6E-01	3.8E-02	6.4E-11	8.6E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	3.8E-02	7.1E-13
7.3E+00	1.2E-06	1.0E-03	9.4E-09	1.6E-01	3.8E-02	5.6E-11	8.2E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.8E-13
6.5E+00	1.2E-06	1.0E-03	8.3E-09	1.6E-01	3.8E-02	5.0E-11	7.8E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.5E-13
5.8E+00	1.2E-06	1.0E-03	7.4E-09	1.6E-01	3.8E-02	4.5E-11	7.5E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	3.8E-02	6.2E-13
1.9E+01	1.2E-06	1.0E-03	2.4E-08	1.6E-01	3.8E-02	1.5E-10	1.8E+00	1.3E-07	1.0E-03	2.5E-10	1.6E-01	3.8E-02	1.5E-12
2.7E+01	1.2E-06	1.0E-03	3.5E-08	1.6E-01	3.8E-02	2.1E-10	1.8E+00	1.3E-07	1.0E-03	2.4E-10	1.6E-01	3.8E-02	1.5E-12
4.1E+01	1.2E-06	1.0E-03	5.3E-08	1.6E-01	3.8E-02	3.2E-10	1.7E+00	1.3E-07	1.0E-03	2.4E-10	1.6E-01	3.8E-02	1.4E-12
1.3E+01	1.2E-06	1.0E-03	1.7E-08	1.6E-01	3.8E-02	1.0E-10	1.7E+00	1.3E-07	1.0E-03	2.3E-10	1.6E-01	3.8E-02	1.4E-12
2.0E+01	1.2E-06	1.0E-03	2.5E-08	1.6E-01	3.8E-02	1.5E-10	1.6E+00	1.3E-07	1.0E-03	2.3E-10	1.6E-01	3.8E-02	1.4E-12
3.1E+01	1.2E-06	1.0E-03	4.0E-08	1.6E-01	3.8E-02	2.4E-10	1.6E+00	1.3E-07	1.0E-03	2.2E-10	1.6E-01	3.8E-02	1.3E-12
0.0E+00	1.2E-06	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.6E+00	1.3E-07	1.0E-03	2.2E-10	1.6E-01	3.8E-02	1.3E-12
0.0E+00	1.2E-06	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.5E+00	1.3E-07	1.0E-03	2.1E-10	1.6E-01	3.8E-02	1.3E-12
0.0E+00	1.2E-06	1.0E-03	0.0E+00	1.6E-01	3.8E-02	0.0E+00	1.5E+00	1.3E-07	1.0E-03	2.0E-10	1.6E-01	3.8E-02	1.2E-12
5.0E+01	1.2E-06	1.0E-03	6.4E-08	1.6E-01	3.8E-02	3.8E-10	1.4E+00	1.3E-07	1.0E-03	2.0E-10	1.6E-01	3.8E-02	1.2E-12
3.2E+01	1.2E-06	1.0E-03	4.1E-08	1.6E-01	3.8E-02	2.5E-10	1.4E+00	1.3E-07	1.0E-03	1.9E-10	1.6E-01	3.8E-02	1.1E-12

2.3E+01	1.2E-06	1.0E-03	3.0E-08	1.6E-01	3.8E-02	1.8E-10	1.3E+00	1.3E-07	1.0E-03	1.8E-10	1.6E-01	3.8E-02	1.1E-12
6.8E+01	1.2E-06	1.0E-03	8.8E-08	1.6E-01	3.8E-02	5.3E-10	1.3E+00	1.3E-07	1.0E-03	1.8E-10	1.6E-01	3.8E-02	1.1E-12
4.6E+01	1.2E-06	1.0E-03	6.0E-08	1.6E-01	3.8E-02	3.6E-10	1.2E+00	1.3E-07	1.0E-03	1.7E-10	1.6E-01	3.8E-02	1.0E-12
3.4E+01	1.2E-06	1.0E-03	4.4E-08	1.6E-01	3.8E-02	2.7E-10	1.2E+00	1.3E-07	1.0E-03	1.6E-10	1.6E-01	3.8E-02	9.8E-13
2.7E+01	1.2E-06	1.0E-03	3.4E-08	1.6E-01	3.8E-02	2.1E-10	1.1E+00	1.3E-07	1.0E-03	1.6E-10	1.6E-01	3.8E-02	9.4E-13
2.1E+01	1.2E-06	1.0E-03	2.8E-08	1.6E-01	3.8E-02	1.7E-10	1.1E+00	1.3E-07	1.0E-03	1.5E-10	1.6E-01	3.8E-02	9.0E-13
1.8E+01	1.2E-06	1.0E-03	2.3E-08	1.6E-01	3.8E-02	1.4E-10	1.0E+00	1.3E-07	1.0E-03	1.4E-10	1.6E-01	3.8E-02	8.6E-13
1.5E+01	1.2E-06	1.0E-03	1.9E-08	1.6E-01	3.8E-02	1.1E-10	9.9E-01	1.3E-07	1.0E-03	1.4E-10	1.6E-01	3.8E-02	8.3E-13
1.2E+01	1.2E-06	1.0E-03	1.6E-08	1.6E-01	3.8E-02	9.6E-11	9.5E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	3.8E-02	7.9E-13
1.1E+01	1.2E-06	1.0E-03	1.4E-08	1.6E-01	3.8E-02	8.2E-11	9.1E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	3.8E-02	7.6E-13
9.2E+00	1.2E-06	1.0E-03	1.2E-08	1.6E-01	3.8E-02	7.1E-11	8.7E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	3.8E-02	7.2E-13
8.0E+00	1.2E-06	1.0E-03	1.0E-08	1.6E-01	3.8E-02	6.2E-11	8.3E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.9E-13
7.0E+00	1.2E-06	1.0E-03	9.1E-09	1.6E-01	3.8E-02	5.5E-11	7.9E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.6E-13
6.3E+00	1.2E-06	1.0E-03	8.1E-09	1.6E-01	3.8E-02	4.9E-11	7.6E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.3E-13
5.6E+00	1.2E-06	1.0E-03	7.2E-09	1.6E-01	3.8E-02	4.3E-11	7.3E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	3.8E-02	6.1E-13
1.9E+01	1.2E-06	1.0E-03	2.4E-08	1.6E-01	3.8E-02	1.5E-10	1.7E+00	1.3E-07	1.0E-03	2.3E-10	1.6E-01	3.8E-02	1.4E-12
2.7E+01	1.2E-06	1.0E-03	3.5E-08	1.6E-01	3.8E-02	2.1E-10	1.6E+00	1.3E-07	1.0E-03	2.3E-10	1.6E-01	3.8E-02	1.4E-12
4.2E+01	1.2E-06	1.0E-03	5.4E-08	1.6E-01	3.8E-02	3.2E-10	1.6E+00	1.3E-07	1.0E-03	2.2E-10	1.6E-01	3.8E-02	1.3E-12
1.3E+01	1.2E-06	1.0E-03	1.7E-08	1.6E-01	3.8E-02	1.0E-10	1.6E+00	1.3E-07	1.0E-03	2.2E-10	1.6E-01	3.8E-02	1.3E-12
2.0E+01	1.2E-06	1.0E-03	2.6E-08	1.6E-01	3.8E-02	1.5E-10	1.5E+00	1.3E-07	1.0E-03	2.1E-10	1.6E-01	3.8E-02	1.3E-12
2.1E+01	1.2E-06	1.0E-03	2.6E-08	1.6E-01	3.8E-02	1.6E-10	1.0E+00	1.3E-07	1.0E-03	1.4E-10	1.6E-01	3.8E-02	8.7E-13
1.7E+01	1.2E-06	1.0E-03	2.2E-08	1.6E-01	3.8E-02	1.3E-10	1.0E+00	1.3E-07	1.0E-03	1.4E-10	1.6E-01	3.8E-02	8.3E-13
1.4E+01	1.2E-06	1.0E-03	1.8E-08	1.6E-01	3.8E-02	1.1E-10	9.5E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	3.8E-02	8.0E-13
1.2E+01	1.2E-06	1.0E-03	1.5E-08	1.6E-01	3.8E-02	9.2E-11	9.2E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	3.8E-02	7.6E-13
1.0E+01	1.2E-06	1.0E-03	1.3E-08	1.6E-01	3.8E-02	7.9E-11	8.8E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	3.8E-02	7.3E-13
8.8E+00	1.2E-06	1.0E-03	1.1E-08	1.6E-01	3.8E-02	6.8E-11	8.4E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	3.8E-02	7.0E-13
7.7E+00	1.2E-06	1.0E-03	9.9E-09	1.6E-01	3.8E-02	6.0E-11	8.1E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.7E-13
6.8E+00	1.2E-06	1.0E-03	8.7E-09	1.6E-01	3.8E-02	5.2E-11	7.7E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.4E-13
6.0E+00	1.2E-06	1.0E-03	7.7E-09	1.6E-01	3.8E-02	4.7E-11	7.4E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	3.8E-02	6.2E-13
5.4E+00	1.2E-06	1.0E-03	6.9E-09	1.6E-01	3.8E-02	4.2E-11	7.1E-01	1.3E-07	1.0E-03	9.8E-11	1.6E-01	3.8E-02	5.9E-13
1.8E+01	1.2E-06	1.0E-03	2.3E-08	1.6E-01	3.8E-02	1.4E-10	1.6E+00	1.3E-07	1.0E-03	2.2E-10	1.6E-01	3.8E-02	1.3E-12
2.6E+01	1.2E-06	1.0E-03	3.3E-08	1.6E-01	3.8E-02	2.0E-10	1.5E+00	1.3E-07	1.0E-03	2.1E-10	1.6E-01	3.8E-02	1.3E-12
3.8E+01	1.2E-06	1.0E-03	4.9E-08	1.6E-01	3.8E-02	2.9E-10	1.5E+00	1.3E-07	1.0E-03	2.1E-10	1.6E-01	3.8E-02	1.3E-12
1.2E+01	1.2E-06	1.0E-03	1.6E-08	1.6E-01	3.8E-02	9.7E-11	1.5E+00	1.3E-07	1.0E-03	2.1E-10	1.6E-01	3.8E-02	1.2E-12
1.8E+01	1.2E-06	1.0E-03	2.4E-08	1.6E-01	3.8E-02	1.4E-10	1.5E+00	1.3E-07	1.0E-03	2.0E-10	1.6E-01	3.8E-02	1.2E-12
1.9E+01	1.2E-06	1.0E-03	2.5E-08	1.6E-01	3.8E-02	1.5E-10	1.0E+00	1.3E-07	1.0E-03	1.4E-10	1.6E-01	3.8E-02	8.3E-13
1.6E+01	1.2E-06	1.0E-03	2.0E-08	1.6E-01	3.8E-02	1.2E-10	9.6E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	3.8E-02	8.0E-13
1.3E+01	1.2E-06	1.0E-03	1.7E-08	1.6E-01	3.8E-02	1.0E-10	9.2E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	3.8E-02	7.7E-13
1.1E+01	1.2E-06	1.0E-03	1.4E-08	1.6E-01	3.8E-02	8.7E-11	8.8E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	3.8E-02	7.4E-13
9.6E+00	1.2E-06	1.0E-03	1.2E-08	1.6E-01	3.8E-02	7.4E-11	8.5E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	3.8E-02	7.1E-13
8.3E+00	1.2E-06	1.0E-03	1.1E-08	1.6E-01	3.8E-02	6.5E-11	8.1E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.8E-13
7.3E+00	1.2E-06	1.0E-03	9.4E-09	1.6E-01	3.8E-02	5.6E-11	7.8E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.5E-13
6.4E+00	1.2E-06	1.0E-03	8.3E-09	1.6E-01	3.8E-02	5.0E-11	7.5E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	3.8E-02	6.3E-13
5.7E+00	1.2E-06	1.0E-03	7.4E-09	1.6E-01	3.8E-02	4.4E-11	7.2E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	3.8E-02	6.0E-13
5.1E+00	1.2E-06	1.0E-03	6.6E-09	1.6E-01	3.8E-02	4.0E-11	6.9E-01	1.3E-07	1.0E-03	9.6E-11	1.6E-01	3.8E-02	5.8E-13
1.6E+01	1.2E-06	1.0E-03	2.1E-08	1.6E-01	3.8E-02	1.3E-10	1.5E+00	1.3E-07	1.0E-03	2.0E-10	1.6E-01	3.8E-02	1.2E-12

2.2E+01	1.2E-06	1.0E-03	2.8E-08	1.6E-01	3.8E-02	1.7E-10	1.5E+00	1.3E-07	1.0E-03	2.0E-10	1.6E-01	3.8E-02	1.2E-12
3.1E+01	1.2E-06	1.0E-03	4.0E-08	1.6E-01	3.8E-02	2.4E-10	1.4E+00	1.3E-07	1.0E-03	2.0E-10	1.6E-01	3.8E-02	1.2E-12
4.5E+01	1.2E-06	1.0E-03	5.8E-08	1.6E-01	3.8E-02	3.5E-10	1.4E+00	1.3E-07	1.0E-03	1.9E-10	1.6E-01	3.8E-02	1.2E-12
1.5E+01	1.2E-06	1.0E-03	2.0E-08	1.6E-01	3.8E-02	1.2E-10	1.4E+00	1.3E-07	1.0E-03	1.9E-10	1.6E-01	3.8E-02	1.1E-12
1.7E+01	1.2E-06	1.0E-03	2.2E-08	1.6E-01	3.8E-02	1.3E-10	9.6E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	3.8E-02	8.0E-13
1.4E+01	1.2E-06	1.0E-03	1.9E-08	1.6E-01	3.8E-02	1.1E-10	9.2E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	3.8E-02	7.7E-13
1.2E+01	1.2E-06	1.0E-03	1.6E-08	1.6E-01	3.8E-02	9.4E-11	8.9E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	3.8E-02	7.4E-13
1.0E+01	1.2E-06	1.0E-03	1.3E-08	1.6E-01	3.8E-02	8.1E-11	8.5E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	3.8E-02	7.1E-13
9.0E+00	1.2E-06	1.0E-03	1.2E-08	1.6E-01	3.8E-02	7.0E-11	8.2E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.9E-13
7.8E+00	1.2E-06	1.0E-03	1.0E-08	1.6E-01	3.8E-02	6.1E-11	7.9E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.6E-13
6.9E+00	1.2E-06	1.0E-03	8.8E-09	1.6E-01	3.8E-02	5.3E-11	7.6E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.3E-13
6.1E+00	1.2E-06	1.0E-03	7.8E-09	1.6E-01	3.8E-02	4.7E-11	7.3E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	3.8E-02	6.1E-13
5.4E+00	1.2E-06	1.0E-03	7.0E-09	1.6E-01	3.8E-02	4.2E-11	7.0E-01	1.3E-07	1.0E-03	9.7E-11	1.6E-01	3.8E-02	5.8E-13
4.9E+00	1.2E-06	1.0E-03	6.2E-09	1.6E-01	3.8E-02	3.8E-11	6.7E-01	1.3E-07	1.0E-03	9.3E-11	1.6E-01	3.8E-02	5.6E-13
1.5E+01	1.2E-06	1.0E-03	1.9E-08	1.6E-01	3.8E-02	1.1E-10	1.4E+00	1.3E-07	1.0E-03	1.9E-10	1.6E-01	3.8E-02	1.2E-12
1.9E+01	1.2E-06	1.0E-03	2.4E-08	1.6E-01	3.8E-02	1.5E-10	1.4E+00	1.3E-07	1.0E-03	1.9E-10	1.6E-01	3.8E-02	1.1E-12
2.5E+01	1.2E-06	1.0E-03	3.2E-08	1.6E-01	3.8E-02	1.9E-10	1.4E+00	1.3E-07	1.0E-03	1.9E-10	1.6E-01	3.8E-02	1.1E-12
3.3E+01	1.2E-06	1.0E-03	4.2E-08	1.6E-01	3.8E-02	2.6E-10	1.3E+00	1.3E-07	1.0E-03	1.8E-10	1.6E-01	3.8E-02	1.1E-12
4.4E+01	1.2E-06	1.0E-03	5.6E-08	1.6E-01	3.8E-02	3.4E-10	1.3E+00	1.3E-07	1.0E-03	1.8E-10	1.6E-01	3.8E-02	1.1E-12
1.5E+01	1.2E-06	1.0E-03	2.0E-08	1.6E-01	3.8E-02	1.2E-10	9.2E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	3.8E-02	7.7E-13
1.3E+01	1.2E-06	1.0E-03	1.7E-08	1.6E-01	3.8E-02	1.0E-10	8.9E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	3.8E-02	7.4E-13
1.1E+01	1.2E-06	1.0E-03	1.4E-08	1.6E-01	3.8E-02	8.6E-11	8.6E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	3.8E-02	7.2E-13
9.6E+00	1.2E-06	1.0E-03	1.2E-08	1.6E-01	3.8E-02	7.4E-11	8.3E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.9E-13
8.3E+00	1.2E-06	1.0E-03	1.1E-08	1.6E-01	3.8E-02	6.4E-11	8.0E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.6E-13
7.3E+00	1.2E-06	1.0E-03	9.4E-09	1.6E-01	3.8E-02	5.7E-11	7.7E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.4E-13
6.4E+00	1.2E-06	1.0E-03	8.3E-09	1.6E-01	3.8E-02	5.0E-11	7.4E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	3.8E-02	6.1E-13
5.7E+00	1.2E-06	1.0E-03	7.3E-09	1.6E-01	3.8E-02	4.4E-11	7.1E-01	1.3E-07	1.0E-03	9.8E-11	1.6E-01	3.8E-02	5.9E-13
5.1E+00	1.2E-06	1.0E-03	6.6E-09	1.6E-01	3.8E-02	4.0E-11	6.8E-01	1.3E-07	1.0E-03	9.4E-11	1.6E-01	3.8E-02	5.7E-13
4.6E+00	1.2E-06	1.0E-03	5.9E-09	1.6E-01	3.8E-02	3.6E-11	6.6E-01	1.3E-07	1.0E-03	9.1E-11	1.6E-01	3.8E-02	5.5E-13
1.3E+01	1.2E-06	1.0E-03	1.6E-08	1.6E-01	3.8E-02	9.7E-11	1.3E+00	1.3E-07	1.0E-03	1.8E-10	1.6E-01	3.8E-02	1.1E-12
1.6E+01	1.2E-06	1.0E-03	2.0E-08	1.6E-01	3.8E-02	1.2E-10	1.3E+00	1.3E-07	1.0E-03	1.8E-10	1.6E-01	3.8E-02	1.1E-12
2.0E+01	1.2E-06	1.0E-03	2.5E-08	1.6E-01	3.8E-02	1.5E-10	1.3E+00	1.3E-07	1.0E-03	1.8E-10	1.6E-01	3.8E-02	1.1E-12
2.4E+01	1.2E-06	1.0E-03	3.1E-08	1.6E-01	3.8E-02	1.9E-10	1.3E+00	1.3E-07	1.0E-03	1.7E-10	1.6E-01	3.8E-02	1.1E-12
3.0E+01	1.2E-06	1.0E-03	3.9E-08	1.6E-01	3.8E-02	2.4E-10	1.2E+00	1.3E-07	1.0E-03	1.7E-10	1.6E-01	3.8E-02	1.0E-12
1.3E+01	1.2E-06	1.0E-03	1.7E-08	1.6E-01	3.8E-02	1.0E-10	8.9E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	3.8E-02	7.4E-13
1.2E+01	1.2E-06	1.0E-03	1.5E-08	1.6E-01	3.8E-02	9.0E-11	8.6E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	3.8E-02	7.2E-13
1.0E+01	1.2E-06	1.0E-03	1.3E-08	1.6E-01	3.8E-02	7.8E-11	8.3E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.9E-13
8.7E+00	1.2E-06	1.0E-03	1.1E-08	1.6E-01	3.8E-02	6.8E-11	8.0E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.7E-13
7.7E+00	1.2E-06	1.0E-03	9.9E-09	1.6E-01	3.8E-02	5.9E-11	7.7E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.4E-13
6.8E+00	1.2E-06	1.0E-03	8.7E-09	1.6E-01	3.8E-02	5.2E-11	7.4E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	3.8E-02	6.2E-13
6.0E+00	1.2E-06	1.0E-03	7.7E-09	1.6E-01	3.8E-02	4.7E-11	7.2E-01	1.3E-07	1.0E-03	9.9E-11	1.6E-01	3.8E-02	6.0E-13
5.3E+00	1.2E-06	1.0E-03	6.9E-09	1.6E-01	3.8E-02	4.2E-11	6.9E-01	1.3E-07	1.0E-03	9.5E-11	1.6E-01	3.8E-02	5.8E-13
4.8E+00	1.2E-06	1.0E-03	6.2E-09	1.6E-01	3.8E-02	3.7E-11	6.6E-01	1.3E-07	1.0E-03	9.2E-11	1.6E-01	3.8E-02	5.5E-13
4.3E+00	1.2E-06	1.0E-03	5.6E-09	1.6E-01	3.8E-02	3.4E-11	6.4E-01	1.3E-07	1.0E-03	8.9E-11	1.6E-01	3.8E-02	5.3E-13
1.1E+01	1.2E-06	1.0E-03	1.4E-08	1.6E-01	3.8E-02	8.3E-11	1.2E+00	1.3E-07	1.0E-03	1.7E-10	1.6E-01	3.8E-02	1.0E-12
1.3E+01	1.2E-06	1.0E-03	1.7E-08	1.6E-01	3.8E-02	1.0E-10	1.2E+00	1.3E-07	1.0E-03	1.7E-10	1.6E-01	3.8E-02	1.0E-12

1.6E+01	1.2E-06	1.0E-03	2.0E-08	1.6E-01	3.8E-02	1.2E-10	1.2E+00	1.3E-07	1.0E-03	1.7E-10	1.6E-01	3.8E-02	1.0E-12
1.9E+01	1.2E-06	1.0E-03	2.4E-08	1.6E-01	3.8E-02	1.5E-10	1.2E+00	1.3E-07	1.0E-03	1.7E-10	1.6E-01	3.8E-02	1.0E-12
2.2E+01	1.2E-06	1.0E-03	2.9E-08	1.6E-01	3.8E-02	1.7E-10	1.2E+00	1.3E-07	1.0E-03	1.6E-10	1.6E-01	3.8E-02	9.8E-13
1.2E+01	1.2E-06	1.0E-03	1.5E-08	1.6E-01	3.8E-02	9.1E-11	8.5E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	3.8E-02	7.1E-13
1.0E+01	1.2E-06	1.0E-03	1.3E-08	1.6E-01	3.8E-02	8.0E-11	8.3E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.9E-13
9.0E+00	1.2E-06	1.0E-03	1.2E-08	1.6E-01	3.8E-02	7.0E-11	8.0E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.7E-13
7.9E+00	1.2E-06	1.0E-03	1.0E-08	1.6E-01	3.8E-02	6.2E-11	7.7E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.4E-13
7.0E+00	1.2E-06	1.0E-03	9.0E-09	1.6E-01	3.8E-02	5.5E-11	7.5E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	3.8E-02	6.2E-13
6.2E+00	1.2E-06	1.0E-03	8.0E-09	1.6E-01	3.8E-02	4.9E-11	7.2E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	3.8E-02	6.0E-13
5.6E+00	1.2E-06	1.0E-03	7.2E-09	1.6E-01	3.8E-02	4.3E-11	7.0E-01	1.3E-07	1.0E-03	9.6E-11	1.6E-01	3.8E-02	5.8E-13
5.0E+00	1.2E-06	1.0E-03	6.5E-09	1.6E-01	3.8E-02	3.9E-11	6.7E-01	1.3E-07	1.0E-03	9.3E-11	1.6E-01	3.8E-02	5.6E-13
4.5E+00	1.2E-06	1.0E-03	5.8E-09	1.6E-01	3.8E-02	3.5E-11	6.5E-01	1.3E-07	1.0E-03	8.9E-11	1.6E-01	3.8E-02	5.4E-13
4.1E+00	1.2E-06	1.0E-03	5.3E-09	1.6E-01	3.8E-02	3.2E-11	6.2E-01	1.3E-07	1.0E-03	8.6E-11	1.6E-01	3.8E-02	5.2E-13
9.1E+00	1.2E-06	1.0E-03	1.2E-08	1.6E-01	3.8E-02	7.0E-11	1.2E+00	1.3E-07	1.0E-03	1.6E-10	1.6E-01	3.8E-02	9.9E-13
1.1E+01	1.2E-06	1.0E-03	1.4E-08	1.6E-01	3.8E-02	8.3E-11	1.2E+00	1.3E-07	1.0E-03	1.6E-10	1.6E-01	3.8E-02	9.8E-13
1.3E+01	1.2E-06	1.0E-03	1.6E-08	1.6E-01	3.8E-02	9.8E-11	1.2E+00	1.3E-07	1.0E-03	1.6E-10	1.6E-01	3.8E-02	9.6E-13
1.5E+01	1.2E-06	1.0E-03	1.9E-08	1.6E-01	3.8E-02	1.2E-10	1.1E+00	1.3E-07	1.0E-03	1.6E-10	1.6E-01	3.8E-02	9.5E-13
1.7E+01	1.2E-06	1.0E-03	2.2E-08	1.6E-01	3.8E-02	1.3E-10	1.1E+00	1.3E-07	1.0E-03	1.5E-10	1.6E-01	3.8E-02	9.3E-13
1.0E+01	1.2E-06	1.0E-03	1.3E-08	1.6E-01	3.8E-02	8.0E-11	8.2E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.9E-13
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6.4E+00	1.2E-06	1.0E-03	8.3E-09	1.6E-01	3.8E-02	5.0E-11	7.2E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	3.8E-02	6.0E-13
5.8E+00	1.2E-06	1.0E-03	7.4E-09	1.6E-01	3.8E-02	4.5E-11	7.0E-01	1.3E-07	1.0E-03	9.7E-11	1.6E-01	3.8E-02	5.8E-13
5.2E+00	1.2E-06	1.0E-03	6.7E-09	1.6E-01	3.8E-02	4.0E-11	6.8E-01	1.3E-07	1.0E-03	9.3E-11	1.6E-01	3.8E-02	5.6E-13
4.7E+00	1.2E-06	1.0E-03	6.0E-09	1.6E-01	3.8E-02	3.6E-11	6.5E-01	1.3E-07	1.0E-03	9.0E-11	1.6E-01	3.8E-02	5.4E-13
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3.9E+00	1.2E-06	1.0E-03	5.0E-09	1.6E-01	3.8E-02	3.0E-11	6.1E-01	1.3E-07	1.0E-03	8.4E-11	1.6E-01	3.8E-02	5.1E-13
7.8E+00	1.2E-06	1.0E-03	1.0E-08	1.6E-01	3.8E-02	6.0E-11	1.1E+00	1.3E-07	1.0E-03	1.6E-10	1.6E-01	3.8E-02	9.4E-13
9.0E+00	1.2E-06	1.0E-03	1.2E-08	1.6E-01	3.8E-02	7.0E-11	1.1E+00	1.3E-07	1.0E-03	1.5E-10	1.6E-01	3.8E-02	9.3E-13
1.0E+01	1.2E-06	1.0E-03	1.3E-08	1.6E-01	3.8E-02	8.1E-11	1.1E+00	1.3E-07	1.0E-03	1.5E-10	1.6E-01	3.8E-02	9.1E-13
1.2E+01	1.2E-06	1.0E-03	1.5E-08	1.6E-01	3.8E-02	9.3E-11	1.1E+00	1.3E-07	1.0E-03	1.5E-10	1.6E-01	3.8E-02	9.0E-13
1.4E+01	1.2E-06	1.0E-03	1.8E-08	1.6E-01	3.8E-02	1.1E-10	1.1E+00	1.3E-07	1.0E-03	1.5E-10	1.6E-01	3.8E-02	8.9E-13
9.1E+00	1.2E-06	1.0E-03	1.2E-08	1.6E-01	3.8E-02	7.0E-11	7.9E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.6E-13
8.1E+00	1.2E-06	1.0E-03	1.0E-08	1.6E-01	3.8E-02	6.3E-11	7.7E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.4E-13
7.3E+00	1.2E-06	1.0E-03	9.4E-09	1.6E-01	3.8E-02	5.7E-11	7.5E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	3.8E-02	6.2E-13
6.6E+00	1.2E-06	1.0E-03	8.5E-09	1.6E-01	3.8E-02	5.1E-11	7.2E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	3.8E-02	6.0E-13
5.9E+00	1.2E-06	1.0E-03	7.6E-09	1.6E-01	3.8E-02	4.6E-11	7.0E-01	1.3E-07	1.0E-03	9.7E-11	1.6E-01	3.8E-02	5.8E-13
5.3E+00	1.2E-06	1.0E-03	6.9E-09	1.6E-01	3.8E-02	4.1E-11	6.8E-01	1.3E-07	1.0E-03	9.4E-11	1.6E-01	3.8E-02	5.7E-13
4.8E+00	1.2E-06	1.0E-03	6.2E-09	1.6E-01	3.8E-02	3.7E-11	6.6E-01	1.3E-07	1.0E-03	9.1E-11	1.6E-01	3.8E-02	5.5E-13
4.4E+00	1.2E-06	1.0E-03	5.6E-09	1.6E-01	3.8E-02	3.4E-11	6.3E-01	1.3E-07	1.0E-03	8.8E-11	1.6E-01	3.8E-02	5.3E-13
4.0E+00	1.2E-06	1.0E-03	5.1E-09	1.6E-01	3.8E-02	3.1E-11	6.1E-01	1.3E-07	1.0E-03	8.5E-11	1.6E-01	3.8E-02	5.1E-13
3.6E+00	1.2E-06	1.0E-03	4.7E-09	1.6E-01	3.8E-02	2.8E-11	5.9E-01	1.3E-07	1.0E-03	8.2E-11	1.6E-01	3.8E-02	4.9E-13
6.7E+00	1.2E-06	1.0E-03	8.7E-09	1.6E-01	3.8E-02	5.2E-11	1.1E+00	1.3E-07	1.0E-03	1.5E-10	1.6E-01	3.8E-02	8.9E-13
7.7E+00	1.2E-06	1.0E-03	9.9E-09	1.6E-01	3.8E-02	6.0E-11	1.1E+00	1.3E-07	1.0E-03	1.5E-10	1.6E-01	3.8E-02	8.8E-13
8.8E+00	1.2E-06	1.0E-03	1.1E-08	1.6E-01	3.8E-02	6.8E-11	1.0E+00	1.3E-07	1.0E-03	1.4E-10	1.6E-01	3.8E-02	8.7E-13

1.0E+01	1.2E-06	1.0E-03	1.3E-08	1.6E-01	3.8E-02	7.7E-11	1.0E+00	1.3E-07	1.0E-03	1.4E-10	1.6E-01	3.8E-02	8.6E-13
1.1E+01	1.2E-06	1.0E-03	1.4E-08	1.6E-01	3.8E-02	8.7E-11	1.0E+00	1.3E-07	1.0E-03	1.4E-10	1.6E-01	3.8E-02	8.4E-13
8.0E+00	1.2E-06	1.0E-03	1.0E-08	1.6E-01	3.8E-02	6.2E-11	7.7E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.4E-13
7.3E+00	1.2E-06	1.0E-03	9.4E-09	1.6E-01	3.8E-02	5.7E-11	7.4E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	3.8E-02	6.2E-13
6.6E+00	1.2E-06	1.0E-03	8.5E-09	1.6E-01	3.8E-02	5.1E-11	7.2E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	3.8E-02	6.0E-13
6.0E+00	1.2E-06	1.0E-03	7.7E-09	1.6E-01	3.8E-02	4.6E-11	7.0E-01	1.3E-07	1.0E-03	9.7E-11	1.6E-01	3.8E-02	5.8E-13
5.4E+00	1.2E-06	1.0E-03	7.0E-09	1.6E-01	3.8E-02	4.2E-11	6.8E-01	1.3E-07	1.0E-03	9.4E-11	1.6E-01	3.8E-02	5.7E-13
4.9E+00	1.2E-06	1.0E-03	6.4E-09	1.6E-01	3.8E-02	3.8E-11	6.6E-01	1.3E-07	1.0E-03	9.1E-11	1.6E-01	3.8E-02	5.5E-13
4.5E+00	1.2E-06	1.0E-03	5.8E-09	1.6E-01	3.8E-02	3.5E-11	6.4E-01	1.3E-07	1.0E-03	8.8E-11	1.6E-01	3.8E-02	5.3E-13
4.1E+00	1.2E-06	1.0E-03	5.3E-09	1.6E-01	3.8E-02	3.2E-11	6.2E-01	1.3E-07	1.0E-03	8.5E-11	1.6E-01	3.8E-02	5.1E-13
3.8E+00	1.2E-06	1.0E-03	4.8E-09	1.6E-01	3.8E-02	2.9E-11	6.0E-01	1.3E-07	1.0E-03	8.3E-11	1.6E-01	3.8E-02	5.0E-13
3.4E+00	1.2E-06	1.0E-03	4.4E-09	1.6E-01	3.8E-02	2.7E-11	5.8E-01	1.3E-07	1.0E-03	8.0E-11	1.6E-01	3.8E-02	4.8E-13
5.9E+00	1.2E-06	1.0E-03	7.6E-09	1.6E-01	3.8E-02	4.6E-11	1.0E+00	1.3E-07	1.0E-03	1.4E-10	1.6E-01	3.8E-02	8.5E-13
6.6E+00	1.2E-06	1.0E-03	8.5E-09	1.6E-01	3.8E-02	5.1E-11	1.0E+00	1.3E-07	1.0E-03	1.4E-10	1.6E-01	3.8E-02	8.4E-13
7.4E+00	1.2E-06	1.0E-03	9.5E-09	1.6E-01	3.8E-02	5.8E-11	9.9E-01	1.3E-07	1.0E-03	1.4E-10	1.6E-01	3.8E-02	8.3E-13
8.3E+00	1.2E-06	1.0E-03	1.1E-08	1.6E-01	3.8E-02	6.5E-11	9.8E-01	1.3E-07	1.0E-03	1.4E-10	1.6E-01	3.8E-02	8.2E-13
9.2E+00	1.2E-06	1.0E-03	1.2E-08	1.6E-01	3.8E-02	7.1E-11	9.7E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	3.8E-02	8.1E-13
7.1E+00	1.2E-06	1.0E-03	9.2E-09	1.6E-01	3.8E-02	5.5E-11	7.4E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	3.8E-02	6.2E-13
6.6E+00	1.2E-06	1.0E-03	8.4E-09	1.6E-01	3.8E-02	5.1E-11	7.2E-01	1.3E-07	1.0E-03	9.9E-11	1.6E-01	3.8E-02	6.0E-13
6.0E+00	1.2E-06	1.0E-03	7.7E-09	1.6E-01	3.8E-02	4.7E-11	7.0E-01	1.3E-07	1.0E-03	9.7E-11	1.6E-01	3.8E-02	5.8E-13
5.5E+00	1.2E-06	1.0E-03	7.0E-09	1.6E-01	3.8E-02	4.2E-11	6.8E-01	1.3E-07	1.0E-03	9.4E-11	1.6E-01	3.8E-02	5.7E-13
5.0E+00	1.2E-06	1.0E-03	6.4E-09	1.6E-01	3.8E-02	3.9E-11	6.6E-01	1.3E-07	1.0E-03	9.1E-11	1.6E-01	3.8E-02	5.5E-13
4.6E+00	1.2E-06	1.0E-03	5.9E-09	1.6E-01	3.8E-02	3.6E-11	6.4E-01	1.3E-07	1.0E-03	8.8E-11	1.6E-01	3.8E-02	5.3E-13
4.2E+00	1.2E-06	1.0E-03	5.4E-09	1.6E-01	3.8E-02	3.3E-11	6.2E-01	1.3E-07	1.0E-03	8.6E-11	1.6E-01	3.8E-02	5.2E-13
3.8E+00	1.2E-06	1.0E-03	5.0E-09	1.6E-01	3.8E-02	3.0E-11	6.0E-01	1.3E-07	1.0E-03	8.3E-11	1.6E-01	3.8E-02	5.0E-13
3.5E+00	1.2E-06	1.0E-03	4.5E-09	1.6E-01	3.8E-02	2.7E-11	5.8E-01	1.3E-07	1.0E-03	8.1E-11	1.6E-01	3.8E-02	4.9E-13
3.2E+00	1.2E-06	1.0E-03	4.2E-09	1.6E-01	3.8E-02	2.5E-11	5.6E-01	1.3E-07	1.0E-03	7.8E-11	1.6E-01	3.8E-02	4.7E-13
5.2E+00	1.2E-06	1.0E-03	6.7E-09	1.6E-01	3.8E-02	4.0E-11	9.7E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	3.8E-02	8.1E-13
5.8E+00	1.2E-06	1.0E-03	7.4E-09	1.6E-01	3.8E-02	4.5E-11	9.6E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	3.8E-02	8.0E-13
6.4E+00	1.2E-06	1.0E-03	8.3E-09	1.6E-01	3.8E-02	5.0E-11	9.5E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	3.8E-02	7.9E-13
7.1E+00	1.2E-06	1.0E-03	9.1E-09	1.6E-01	3.8E-02	5.5E-11	9.4E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	3.8E-02	7.8E-13
7.8E+00	1.2E-06	1.0E-03	1.0E-08	1.6E-01	3.8E-02	6.0E-11	9.2E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	3.8E-02	7.7E-13
6.4E+00	1.2E-06	1.0E-03	8.2E-09	1.6E-01	3.8E-02	5.0E-11	7.1E-01	1.3E-07	1.0E-03	9.9E-11	1.6E-01	3.8E-02	5.9E-13
5.9E+00	1.2E-06	1.0E-03	7.6E-09	1.6E-01	3.8E-02	4.6E-11	6.9E-01	1.3E-07	1.0E-03	9.6E-11	1.6E-01	3.8E-02	5.8E-13
5.4E+00	1.2E-06	1.0E-03	7.0E-09	1.6E-01	3.8E-02	4.2E-11	6.7E-01	1.3E-07	1.0E-03	9.3E-11	1.6E-01	3.8E-02	5.6E-13
5.0E+00	1.2E-06	1.0E-03	6.4E-09	1.6E-01	3.8E-02	3.9E-11	6.6E-01	1.3E-07	1.0E-03	9.1E-11	1.6E-01	3.8E-02	5.5E-13
4.6E+00	1.2E-06	1.0E-03	5.9E-09	1.6E-01	3.8E-02	3.6E-11	6.4E-01	1.3E-07	1.0E-03	8.8E-11	1.6E-01	3.8E-02	5.3E-13
4.2E+00	1.2E-06	1.0E-03	5.4E-09	1.6E-01	3.8E-02	3.3E-11	6.2E-01	1.3E-07	1.0E-03	8.6E-11	1.6E-01	3.8E-02	5.2E-13
3.9E+00	1.2E-06	1.0E-03	5.0E-09	1.6E-01	3.8E-02	3.0E-11	6.0E-01	1.3E-07	1.0E-03	8.3E-11	1.6E-01	3.8E-02	5.0E-13
3.6E+00	1.2E-06	1.0E-03	4.6E-09	1.6E-01	3.8E-02	2.8E-11	5.8E-01	1.3E-07	1.0E-03	8.1E-11	1.6E-01	3.8E-02	4.9E-13
3.3E+00	1.2E-06	1.0E-03	4.3E-09	1.6E-01	3.8E-02	2.6E-11	5.7E-01	1.3E-07	1.0E-03	7.8E-11	1.6E-01	3.8E-02	4.7E-13
3.0E+00	1.2E-06	1.0E-03	3.9E-09	1.6E-01	3.8E-02	2.4E-11	5.5E-01	1.3E-07	1.0E-03	7.6E-11	1.6E-01	3.8E-02	4.6E-13
4.6E+00	1.2E-06	1.0E-03	5.9E-09	1.6E-01	3.8E-02	3.6E-11	9.2E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	3.8E-02	7.7E-13
5.1E+00	1.2E-06	1.0E-03	6.5E-09	1.6E-01	3.8E-02	3.9E-11	9.2E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	3.8E-02	7.6E-13
5.6E+00	1.2E-06	1.0E-03	7.2E-09	1.6E-01	3.8E-02	4.3E-11	9.0E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	3.8E-02	7.5E-13
6.1E+00	1.2E-06	1.0E-03	7.9E-09	1.6E-01	3.8E-02	4.8E-11	8.9E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	3.8E-02	7.5E-13

6.6E+00	1.2E-06	1.0E-03	8.5E-09	1.6E-01	3.8E-02	5.1E-11	8.8E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	3.8E-02	7.4E-13
5.7E+00	1.2E-06	1.0E-03	7.4E-09	1.6E-01	3.8E-02	4.4E-11	6.9E-01	1.3E-07	1.0E-03	9.5E-11	1.6E-01	3.8E-02	5.7E-13
5.3E+00	1.2E-06	1.0E-03	6.9E-09	1.6E-01	3.8E-02	4.1E-11	6.7E-01	1.3E-07	1.0E-03	9.3E-11	1.6E-01	3.8E-02	5.6E-13
4.9E+00	1.2E-06	1.0E-03	6.4E-09	1.6E-01	3.8E-02	3.8E-11	6.5E-01	1.3E-07	1.0E-03	9.0E-11	1.6E-01	3.8E-02	5.4E-13
4.6E+00	1.2E-06	1.0E-03	5.9E-09	1.6E-01	3.8E-02	3.5E-11	6.3E-01	1.3E-07	1.0E-03	8.8E-11	1.6E-01	3.8E-02	5.3E-13
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3.8E+00	1.2E-06	1.0E-03	5.0E-09	1.6E-01	3.8E-02	3.0E-11	6.0E-01	1.3E-07	1.0E-03	8.3E-11	1.6E-01	3.8E-02	5.0E-13
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3.3E+00	1.2E-06	1.0E-03	4.3E-09	1.6E-01	3.8E-02	2.6E-11	5.6E-01	1.3E-07	1.0E-03	7.8E-11	1.6E-01	3.8E-02	4.7E-13
3.1E+00	1.2E-06	1.0E-03	4.0E-09	1.6E-01	3.8E-02	2.4E-11	5.5E-01	1.3E-07	1.0E-03	7.6E-11	1.6E-01	3.8E-02	4.6E-13
2.8E+00	1.2E-06	1.0E-03	3.7E-09	1.6E-01	3.8E-02	2.2E-11	5.3E-01	1.3E-07	1.0E-03	7.3E-11	1.6E-01	3.8E-02	4.4E-13
4.1E+00	1.2E-06	1.0E-03	5.3E-09	1.6E-01	3.8E-02	3.2E-11	8.8E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	3.8E-02	7.4E-13
4.5E+00	1.2E-06	1.0E-03	5.8E-09	1.6E-01	3.8E-02	3.5E-11	8.7E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	3.8E-02	7.3E-13
4.9E+00	1.2E-06	1.0E-03	6.3E-09	1.6E-01	3.8E-02	3.8E-11	8.6E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	3.8E-02	7.2E-13
5.3E+00	1.2E-06	1.0E-03	6.9E-09	1.6E-01	3.8E-02	4.1E-11	8.5E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	3.8E-02	7.1E-13
5.7E+00	1.2E-06	1.0E-03	7.4E-09	1.6E-01	3.8E-02	4.4E-11	8.4E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	3.8E-02	7.0E-13
4.9E+00	1.2E-06	1.0E-03	6.2E-09	1.6E-01	3.8E-02	3.8E-11	6.5E-01	1.3E-07	1.0E-03	9.0E-11	1.6E-01	3.8E-02	5.4E-13
4.5E+00	1.2E-06	1.0E-03	5.8E-09	1.6E-01	3.8E-02	3.5E-11	6.3E-01	1.3E-07	1.0E-03	8.7E-11	1.6E-01	3.8E-02	5.3E-13
4.2E+00	1.2E-06	1.0E-03	5.4E-09	1.6E-01	3.8E-02	3.3E-11	6.1E-01	1.3E-07	1.0E-03	8.5E-11	1.6E-01	3.8E-02	5.1E-13
3.8E+00	1.2E-06	1.0E-03	4.8E-09	1.6E-01	3.8E-02	2.9E-11	5.9E-01	1.3E-07	1.0E-03	8.2E-11	1.6E-01	3.8E-02	4.9E-13
3.5E+00	1.2E-06	1.0E-03	4.5E-09	1.6E-01	3.8E-02	2.7E-11	5.7E-01	1.3E-07	1.0E-03	7.9E-11	1.6E-01	3.8E-02	4.8E-13
3.2E+00	1.2E-06	1.0E-03	4.2E-09	1.6E-01	3.8E-02	2.5E-11	5.6E-01	1.3E-07	1.0E-03	7.7E-11	1.6E-01	3.8E-02	4.6E-13
3.0E+00	1.2E-06	1.0E-03	3.9E-09	1.6E-01	3.8E-02	2.3E-11	5.4E-01	1.3E-07	1.0E-03	7.5E-11	1.6E-01	3.8E-02	4.5E-13
2.8E+00	1.2E-06	1.0E-03	3.6E-09	1.6E-01	3.8E-02	2.2E-11	5.3E-01	1.3E-07	1.0E-03	7.3E-11	1.6E-01	3.8E-02	4.4E-13
2.6E+00	1.2E-06	1.0E-03	3.4E-09	1.6E-01	3.8E-02	2.0E-11	5.1E-01	1.3E-07	1.0E-03	7.1E-11	1.6E-01	3.8E-02	4.3E-13
3.7E+00	1.2E-06	1.0E-03	4.7E-09	1.6E-01	3.8E-02	2.9E-11	8.4E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	3.8E-02	7.0E-13
4.0E+00	1.2E-06	1.0E-03	5.2E-09	1.6E-01	3.8E-02	3.1E-11	8.4E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	3.8E-02	7.0E-13
4.3E+00	1.2E-06	1.0E-03	5.6E-09	1.6E-01	3.8E-02	3.4E-11	8.3E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.9E-13
4.7E+00	1.2E-06	1.0E-03	6.0E-09	1.6E-01	3.8E-02	3.6E-11	8.2E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.8E-13
5.0E+00	1.2E-06	1.0E-03	6.4E-09	1.6E-01	3.8E-02	3.9E-11	8.1E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.7E-13
4.2E+00	1.2E-06	1.0E-03	5.4E-09	1.6E-01	3.8E-02	3.2E-11	6.1E-01	1.3E-07	1.0E-03	8.5E-11	1.6E-01	3.8E-02	5.1E-13
3.9E+00	1.2E-06	1.0E-03	5.0E-09	1.6E-01	3.8E-02	3.0E-11	6.0E-01	1.3E-07	1.0E-03	8.3E-11	1.6E-01	3.8E-02	5.0E-13
3.6E+00	1.2E-06	1.0E-03	4.6E-09	1.6E-01	3.8E-02	2.8E-11	5.8E-01	1.3E-07	1.0E-03	8.0E-11	1.6E-01	3.8E-02	4.8E-13
3.3E+00	1.2E-06	1.0E-03	4.3E-09	1.6E-01	3.8E-02	2.6E-11	5.6E-01	1.3E-07	1.0E-03	7.8E-11	1.6E-01	3.8E-02	4.7E-13
3.1E+00	1.2E-06	1.0E-03	4.0E-09	1.6E-01	3.8E-02	2.4E-11	5.5E-01	1.3E-07	1.0E-03	7.6E-11	1.6E-01	3.8E-02	4.6E-13
2.9E+00	1.2E-06	1.0E-03	3.7E-09	1.6E-01	3.8E-02	2.2E-11	5.3E-01	1.3E-07	1.0E-03	7.3E-11	1.6E-01	3.8E-02	4.4E-13
2.7E+00	1.2E-06	1.0E-03	3.4E-09	1.6E-01	3.8E-02	2.1E-11	5.1E-01	1.3E-07	1.0E-03	7.1E-11	1.6E-01	3.8E-02	4.3E-13
2.5E+00	1.2E-06	1.0E-03	3.2E-09	1.6E-01	3.8E-02	1.9E-11	5.0E-01	1.3E-07	1.0E-03	6.9E-11	1.6E-01	3.8E-02	4.1E-13
3.3E+00	1.2E-06	1.0E-03	4.3E-09	1.6E-01	3.8E-02	2.6E-11	8.1E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.7E-13
3.6E+00	1.2E-06	1.0E-03	4.6E-09	1.6E-01	3.8E-02	2.8E-11	8.0E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.7E-13
3.9E+00	1.2E-06	1.0E-03	5.0E-09	1.6E-01	3.8E-02	3.0E-11	7.9E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.6E-13
4.1E+00	1.2E-06	1.0E-03	5.3E-09	1.6E-01	3.8E-02	3.2E-11	7.8E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.5E-13
4.4E+00	1.2E-06	1.0E-03	5.7E-09	1.6E-01	3.8E-02	3.4E-11	7.7E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.5E-13
3.6E+00	1.2E-06	1.0E-03	4.7E-09	1.6E-01	3.8E-02	2.8E-11	5.8E-01	1.3E-07	1.0E-03	8.0E-11	1.6E-01	3.8E-02	4.8E-13
3.4E+00	1.2E-06	1.0E-03	4.4E-09	1.6E-01	3.8E-02	2.7E-11	5.7E-01	1.3E-07	1.0E-03	7.8E-11	1.6E-01	3.8E-02	4.7E-13
3.2E+00	1.2E-06	1.0E-03	4.1E-09	1.6E-01	3.8E-02	2.5E-11	5.5E-01	1.3E-07	1.0E-03	7.6E-11	1.6E-01	3.8E-02	4.6E-13

3.0E+00	1.2E-06	1.0E-03	3.9E-09	1.6E-01	3.8E-02	2.3E-11	5.4E-01	1.3E-07	1.0E-03	7.4E-11	1.6E-01	3.8E-02	4.5E-13
2.8E+00	1.2E-06	1.0E-03	3.6E-09	1.6E-01	3.8E-02	2.2E-11	5.2E-01	1.3E-07	1.0E-03	7.2E-11	1.6E-01	3.8E-02	4.4E-13
2.6E+00	1.2E-06	1.0E-03	3.3E-09	1.6E-01	3.8E-02	2.0E-11	5.1E-01	1.3E-07	1.0E-03	7.0E-11	1.6E-01	3.8E-02	4.2E-13
2.4E+00	1.2E-06	1.0E-03	3.1E-09	1.6E-01	3.8E-02	1.9E-11	4.9E-01	1.3E-07	1.0E-03	6.8E-11	1.6E-01	3.8E-02	4.1E-13
3.0E+00	1.2E-06	1.0E-03	3.9E-09	1.6E-01	3.8E-02	2.3E-11	7.7E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.4E-13
3.3E+00	1.2E-06	1.0E-03	4.2E-09	1.6E-01	3.8E-02	2.5E-11	7.7E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.4E-13
3.5E+00	1.2E-06	1.0E-03	4.5E-09	1.6E-01	3.8E-02	2.7E-11	7.6E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	3.8E-02	6.3E-13
3.7E+00	1.2E-06	1.0E-03	4.8E-09	1.6E-01	3.8E-02	2.9E-11	7.5E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	3.8E-02	6.3E-13
3.9E+00	1.2E-06	1.0E-03	5.0E-09	1.6E-01	3.8E-02	3.0E-11	7.4E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	3.8E-02	6.2E-13
3.2E+00	1.2E-06	1.0E-03	4.1E-09	1.6E-01	3.8E-02	2.5E-11	5.5E-01	1.3E-07	1.0E-03	7.6E-11	1.6E-01	3.8E-02	4.6E-13
3.0E+00	1.2E-06	1.0E-03	3.9E-09	1.6E-01	3.8E-02	2.3E-11	5.4E-01	1.3E-07	1.0E-03	7.4E-11	1.6E-01	3.8E-02	4.5E-13
2.8E+00	1.2E-06	1.0E-03	3.6E-09	1.6E-01	3.8E-02	2.2E-11	5.2E-01	1.3E-07	1.0E-03	7.2E-11	1.6E-01	3.8E-02	4.4E-13
2.7E+00	1.2E-06	1.0E-03	3.4E-09	1.6E-01	3.8E-02	2.1E-11	5.1E-01	1.3E-07	1.0E-03	7.0E-11	1.6E-01	3.8E-02	4.2E-13
2.5E+00	1.2E-06	1.0E-03	3.2E-09	1.6E-01	3.8E-02	1.9E-11	5.0E-01	1.3E-07	1.0E-03	6.9E-11	1.6E-01	3.8E-02	4.1E-13
2.3E+00	1.2E-06	1.0E-03	3.0E-09	1.6E-01	3.8E-02	1.8E-11	4.8E-01	1.3E-07	1.0E-03	6.6E-11	1.6E-01	3.8E-02	4.0E-13
2.7E+00	1.2E-06	1.0E-03	3.5E-09	1.6E-01	3.8E-02	2.1E-11	7.4E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	3.8E-02	6.2E-13
2.9E+00	1.2E-06	1.0E-03	3.8E-09	1.6E-01	3.8E-02	2.3E-11	7.3E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	3.8E-02	6.1E-13
3.1E+00	1.2E-06	1.0E-03	4.0E-09	1.6E-01	3.8E-02	2.4E-11	7.3E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	3.8E-02	6.1E-13
3.3E+00	1.2E-06	1.0E-03	4.3E-09	1.6E-01	3.8E-02	2.6E-11	7.2E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	3.8E-02	6.0E-13
3.5E+00	1.2E-06	1.0E-03	4.5E-09	1.6E-01	3.8E-02	2.7E-11	7.1E-01	1.3E-07	1.0E-03	9.9E-11	1.6E-01	3.8E-02	6.0E-13
3.0E+00	1.2E-06	1.0E-03	3.8E-09	1.6E-01	3.8E-02	2.3E-11	5.3E-01	1.3E-07	1.0E-03	7.4E-11	1.6E-01	3.8E-02	4.5E-13
2.8E+00	1.2E-06	1.0E-03	3.6E-09	1.6E-01	3.8E-02	2.2E-11	5.2E-01	1.3E-07	1.0E-03	7.2E-11	1.6E-01	3.8E-02	4.4E-13
2.7E+00	1.2E-06	1.0E-03	3.4E-09	1.6E-01	3.8E-02	2.1E-11	5.1E-01	1.3E-07	1.0E-03	7.0E-11	1.6E-01	3.8E-02	4.2E-13
2.5E+00	1.2E-06	1.0E-03	3.2E-09	1.6E-01	3.8E-02	2.0E-11	5.0E-01	1.3E-07	1.0E-03	6.9E-11	1.6E-01	3.8E-02	4.1E-13
2.4E+00	1.2E-06	1.0E-03	3.0E-09	1.6E-01	3.8E-02	1.8E-11	4.8E-01	1.3E-07	1.0E-03	6.7E-11	1.6E-01	3.8E-02	4.0E-13
2.2E+00	1.2E-06	1.0E-03	2.8E-09	1.6E-01	3.8E-02	1.7E-11	4.7E-01	1.3E-07	1.0E-03	6.5E-11	1.6E-01	3.8E-02	3.9E-13
2.5E+00	1.2E-06	1.0E-03	3.2E-09	1.6E-01	3.8E-02	2.0E-11	7.1E-01	1.3E-07	1.0E-03	9.8E-11	1.6E-01	3.8E-02	5.9E-13
2.7E+00	1.2E-06	1.0E-03	3.4E-09	1.6E-01	3.8E-02	2.1E-11	7.0E-01	1.3E-07	1.0E-03	9.8E-11	1.6E-01	3.8E-02	5.9E-13
2.8E+00	1.2E-06	1.0E-03	3.7E-09	1.6E-01	3.8E-02	2.2E-11	7.0E-01	1.3E-07	1.0E-03	9.7E-11	1.6E-01	3.8E-02	5.8E-13
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3.1E+00	1.2E-06	1.0E-03	4.0E-09	1.6E-01	3.8E-02	2.4E-11	6.9E-01	1.3E-07	1.0E-03	9.5E-11	1.6E-01	3.8E-02	5.7E-13
2.8E+00	1.2E-06	1.0E-03	3.6E-09	1.6E-01	3.8E-02	2.2E-11	5.2E-01	1.3E-07	1.0E-03	7.2E-11	1.6E-01	3.8E-02	4.3E-13
2.6E+00	1.2E-06	1.0E-03	3.4E-09	1.6E-01	3.8E-02	2.1E-11	5.1E-01	1.3E-07	1.0E-03	7.0E-11	1.6E-01	3.8E-02	4.2E-13
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2.4E+00	1.2E-06	1.0E-03	3.1E-09	1.6E-01	3.8E-02	1.8E-11	4.8E-01	1.3E-07	1.0E-03	6.7E-11	1.6E-01	3.8E-02	4.0E-13
2.2E+00	1.2E-06	1.0E-03	2.9E-09	1.6E-01	3.8E-02	1.7E-11	4.7E-01	1.3E-07	1.0E-03	6.5E-11	1.6E-01	3.8E-02	3.9E-13
2.1E+00	1.2E-06	1.0E-03	2.7E-09	1.6E-01	3.8E-02	1.6E-11	4.6E-01	1.3E-07	1.0E-03	6.4E-11	1.6E-01	3.8E-02	3.8E-13
2.3E+00	1.2E-06	1.0E-03	3.0E-09	1.6E-01	3.8E-02	1.8E-11	6.8E-01	1.3E-07	1.0E-03	9.4E-11	1.6E-01	3.8E-02	5.7E-13
2.4E+00	1.2E-06	1.0E-03	3.1E-09	1.6E-01	3.8E-02	1.9E-11	6.8E-01	1.3E-07	1.0E-03	9.4E-11	1.6E-01	3.8E-02	5.6E-13
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2.7E+00	1.2E-06	1.0E-03	3.5E-09	1.6E-01	3.8E-02	2.1E-11	6.7E-01	1.3E-07	1.0E-03	9.2E-11	1.6E-01	3.8E-02	5.6E-13
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2.4E+00	1.2E-06	1.0E-03	3.0E-09	1.6E-01	3.8E-02	1.8E-11	4.8E-01	1.3E-07	1.0E-03	6.7E-11	1.6E-01	3.8E-02	4.0E-13
2.2E+00	1.2E-06	1.0E-03	2.9E-09	1.6E-01	3.8E-02	1.7E-11	4.7E-01	1.3E-07	1.0E-03	6.5E-11	1.6E-01	3.8E-02	3.9E-13

2.1E+00	1.2E-06	1.0E-03	2.7E-09	1.6E-01	3.8E-02	1.7E-11	4.6E-01	1.3E-07	1.0E-03	6.4E-11	1.6E-01	3.8E-02	3.8E-13
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2.1E+00	1.2E-06	1.0E-03	2.7E-09	1.6E-01	3.8E-02	1.6E-11	6.5E-01	1.3E-07	1.0E-03	9.1E-11	1.6E-01	3.8E-02	5.5E-13
2.2E+00	1.2E-06	1.0E-03	2.9E-09	1.6E-01	3.8E-02	1.7E-11	6.5E-01	1.3E-07	1.0E-03	9.0E-11	1.6E-01	3.8E-02	5.4E-13
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2.6E+00	1.2E-06	1.0E-03	3.3E-09	1.6E-01	3.8E-02	2.0E-11	6.3E-01	1.3E-07	1.0E-03	8.8E-11	1.6E-01	3.8E-02	5.3E-13
2.4E+00	1.2E-06	1.0E-03	3.1E-09	1.6E-01	3.8E-02	1.9E-11	4.9E-01	1.3E-07	1.0E-03	6.8E-11	1.6E-01	3.8E-02	4.1E-13
2.3E+00	1.2E-06	1.0E-03	3.0E-09	1.6E-01	3.8E-02	1.8E-11	4.8E-01	1.3E-07	1.0E-03	6.6E-11	1.6E-01	3.8E-02	4.0E-13
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2.1E+00	1.2E-06	1.0E-03	2.7E-09	1.6E-01	3.8E-02	1.6E-11	4.6E-01	1.3E-07	1.0E-03	6.4E-11	1.6E-01	3.8E-02	3.8E-13
2.0E+00	1.2E-06	1.0E-03	2.6E-09	1.6E-01	3.8E-02	1.6E-11	4.5E-01	1.3E-07	1.0E-03	6.2E-11	1.6E-01	3.8E-02	3.7E-13
1.9E+00	1.2E-06	1.0E-03	2.5E-09	1.6E-01	3.8E-02	1.5E-11	4.4E-01	1.3E-07	1.0E-03	6.1E-11	1.6E-01	3.8E-02	3.7E-13
2.0E+00	1.2E-06	1.0E-03	2.5E-09	1.6E-01	3.8E-02	1.5E-11	6.3E-01	1.3E-07	1.0E-03	8.7E-11	1.6E-01	3.8E-02	5.2E-13
2.1E+00	1.2E-06	1.0E-03	2.7E-09	1.6E-01	3.8E-02	1.6E-11	6.3E-01	1.3E-07	1.0E-03	8.7E-11	1.6E-01	3.8E-02	5.2E-13
2.2E+00	1.2E-06	1.0E-03	2.8E-09	1.6E-01	3.8E-02	1.7E-11	6.2E-01	1.3E-07	1.0E-03	8.6E-11	1.6E-01	3.8E-02	5.2E-13
2.3E+00	1.2E-06	1.0E-03	2.9E-09	1.6E-01	3.8E-02	1.8E-11	6.2E-01	1.3E-07	1.0E-03	8.5E-11	1.6E-01	3.8E-02	5.1E-13
2.4E+00	1.2E-06	1.0E-03	3.0E-09	1.6E-01	3.8E-02	1.8E-11	6.1E-01	1.3E-07	1.0E-03	8.4E-11	1.6E-01	3.8E-02	5.1E-13
2.4E+00	1.2E-06	1.0E-03	3.1E-09	1.6E-01	3.8E-02	1.9E-11	6.0E-01	1.3E-07	1.0E-03	8.4E-11	1.6E-01	3.8E-02	5.0E-13
2.5E+00	1.2E-06	1.0E-03	3.2E-09	1.6E-01	3.8E-02	2.0E-11	6.0E-01	1.3E-07	1.0E-03	8.3E-11	1.6E-01	3.8E-02	5.0E-13
2.6E+00	1.2E-06	1.0E-03	3.3E-09	1.6E-01	3.8E-02	2.0E-11	5.9E-01	1.3E-07	1.0E-03	8.2E-11	1.6E-01	3.8E-02	4.9E-13
2.6E+00	1.2E-06	1.0E-03	3.4E-09	1.6E-01	3.8E-02	2.0E-11	5.8E-01	1.3E-07	1.0E-03	8.1E-11	1.6E-01	3.8E-02	4.9E-13
2.7E+00	1.2E-06	1.0E-03	3.4E-09	1.6E-01	3.8E-02	2.1E-11	5.8E-01	1.3E-07	1.0E-03	8.0E-11	1.6E-01	3.8E-02	4.8E-13
2.7E+00	1.2E-06	1.0E-03	3.5E-09	1.6E-01	3.8E-02	2.1E-11	5.7E-01	1.3E-07	1.0E-03	7.9E-11	1.6E-01	3.8E-02	4.7E-13
2.7E+00	1.2E-06	1.0E-03	3.5E-09	1.6E-01	3.8E-02	2.1E-11	5.6E-01	1.3E-07	1.0E-03	7.7E-11	1.6E-01	3.8E-02	4.7E-13
2.7E+00	1.2E-06	1.0E-03	3.5E-09	1.6E-01	3.8E-02	2.1E-11	5.5E-01	1.3E-07	1.0E-03	7.6E-11	1.6E-01	3.8E-02	4.6E-13
2.7E+00	1.2E-06	1.0E-03	3.5E-09	1.6E-01	3.8E-02	2.1E-11	5.4E-01	1.3E-07	1.0E-03	7.5E-11	1.6E-01	3.8E-02	4.5E-13
2.7E+00	1.2E-06	1.0E-03	3.4E-09	1.6E-01	3.8E-02	2.1E-11	5.3E-01	1.3E-07	1.0E-03	7.4E-11	1.6E-01	3.8E-02	4.4E-13
2.6E+00	1.2E-06	1.0E-03	3.4E-09	1.6E-01	3.8E-02	2.0E-11	5.2E-01	1.3E-07	1.0E-03	7.3E-11	1.6E-01	3.8E-02	4.4E-13
2.6E+00	1.2E-06	1.0E-03	3.3E-09	1.6E-01	3.8E-02	2.0E-11	5.1E-01	1.3E-07	1.0E-03	7.1E-11	1.6E-01	3.8E-02	4.3E-13
2.5E+00	1.2E-06	1.0E-03	3.2E-09	1.6E-01	3.8E-02	1.9E-11	5.1E-01	1.3E-07	1.0E-03	7.0E-11	1.6E-01	3.8E-02	4.2E-13
2.4E+00	1.2E-06	1.0E-03	3.1E-09	1.6E-01	3.8E-02	1.9E-11	5.0E-01	1.3E-07	1.0E-03	6.9E-11	1.6E-01	3.8E-02	4.1E-13
2.3E+00	1.2E-06	1.0E-03	3.0E-09	1.6E-01	3.8E-02	1.8E-11	4.9E-01	1.3E-07	1.0E-03	6.7E-11	1.6E-01	3.8E-02	4.1E-13
2.3E+00	1.2E-06	1.0E-03	2.9E-09	1.6E-01	3.8E-02	1.8E-11	4.8E-01	1.3E-07	1.0E-03	6.6E-11	1.6E-01	3.8E-02	4.0E-13
2.2E+00	1.2E-06	1.0E-03	2.8E-09	1.6E-01	3.8E-02	1.7E-11	4.7E-01	1.3E-07	1.0E-03	6.5E-11	1.6E-01	3.8E-02	3.9E-13
2.1E+00	1.2E-06	1.0E-03	2.7E-09	1.6E-01	3.8E-02	1.6E-11	4.6E-01	1.3E-07	1.0E-03	6.3E-11	1.6E-01	3.8E-02	3.8E-13
2.0E+00	1.2E-06	1.0E-03	2.6E-09	1.6E-01	3.8E-02	1.6E-11	4.5E-01	1.3E-07	1.0E-03	6.2E-11	1.6E-01	3.8E-02	3.7E-13
1.9E+00	1.2E-06	1.0E-03	2.5E-09	1.6E-01	3.8E-02	1.5E-11	4.4E-01	1.3E-07	1.0E-03	6.1E-11	1.6E-01	3.8E-02	3.7E-13
1.8E+00	1.2E-06	1.0E-03	2.4E-09	1.6E-01	3.8E-02	1.4E-11	4.3E-01	1.3E-07	1.0E-03	5.9E-11	1.6E-01	3.8E-02	3.6E-13
1.8E+00	1.2E-06	1.0E-03	2.3E-09	1.6E-01	3.8E-02	1.4E-11	6.1E-01	1.3E-07	1.0E-03	8.4E-11	1.6E-01	3.8E-02	5.0E-13
1.9E+00	1.2E-06	1.0E-03	2.5E-09	1.6E-01	3.8E-02	1.5E-11	6.0E-01	1.3E-07	1.0E-03	8.3E-11	1.6E-01	3.8E-02	5.0E-13
2.0E+00	1.2E-06	1.0E-03	2.6E-09	1.6E-01	3.8E-02	1.5E-11	6.0E-01	1.3E-07	1.0E-03	8.3E-11	1.6E-01	3.8E-02	5.0E-13
2.1E+00	1.2E-06	1.0E-03	2.7E-09	1.6E-01	3.8E-02	1.6E-11	5.9E-01	1.3E-07	1.0E-03	8.2E-11	1.6E-01	3.8E-02	4.9E-13
2.2E+00	1.2E-06	1.0E-03	2.8E-09	1.6E-01	3.8E-02	1.7E-11	5.9E-01	1.3E-07	1.0E-03	8.1E-11	1.6E-01	3.8E-02	4.9E-13
2.2E+00	1.2E-06	1.0E-03	2.9E-09	1.6E-01	3.8E-02	1.7E-11	5.8E-01	1.3E-07	1.0E-03	8.1E-11	1.6E-01	3.8E-02	4.9E-13
2.3E+00	1.2E-06	1.0E-03	3.0E-09	1.6E-01	3.8E-02	1.8E-11	5.8E-01	1.3E-07	1.0E-03	8.0E-11	1.6E-01	3.8E-02	4.8E-13

2.4E+00	1.2E-06	1.0E-03	3.0E-09	1.6E-01	3.8E-02	1.8E-11	5.7E-01	1.3E-07	1.0E-03	7.9E-11	1.6E-01	3.8E-02	4.8E-13
2.4E+00	1.2E-06	1.0E-03	3.1E-09	1.6E-01	3.8E-02	1.9E-11	5.6E-01	1.3E-07	1.0E-03	7.8E-11	1.6E-01	3.8E-02	4.7E-13
2.4E+00	1.2E-06	1.0E-03	3.2E-09	1.6E-01	3.8E-02	1.9E-11	5.6E-01	1.3E-07	1.0E-03	7.7E-11	1.6E-01	3.8E-02	4.6E-13
2.5E+00	1.2E-06	1.0E-03	3.2E-09	1.6E-01	3.8E-02	1.9E-11	5.5E-01	1.3E-07	1.0E-03	7.6E-11	1.6E-01	3.8E-02	4.6E-13
2.5E+00	1.2E-06	1.0E-03	3.2E-09	1.6E-01	3.8E-02	1.9E-11	5.4E-01	1.3E-07	1.0E-03	7.5E-11	1.6E-01	3.8E-02	4.5E-13
2.5E+00	1.2E-06	1.0E-03	3.2E-09	1.6E-01	3.8E-02	1.9E-11	5.3E-01	1.3E-07	1.0E-03	7.4E-11	1.6E-01	3.8E-02	4.4E-13
2.5E+00	1.2E-06	1.0E-03	3.2E-09	1.6E-01	3.8E-02	1.9E-11	5.2E-01	1.3E-07	1.0E-03	7.3E-11	1.6E-01	3.8E-02	4.4E-13
2.4E+00	1.2E-06	1.0E-03	3.2E-09	1.6E-01	3.8E-02	1.9E-11	5.2E-01	1.3E-07	1.0E-03	7.2E-11	1.6E-01	3.8E-02	4.3E-13
2.4E+00	1.2E-06	1.0E-03	3.1E-09	1.6E-01	3.8E-02	1.9E-11	5.1E-01	1.3E-07	1.0E-03	7.0E-11	1.6E-01	3.8E-02	4.2E-13
2.4E+00	1.2E-06	1.0E-03	3.1E-09	1.6E-01	3.8E-02	1.8E-11	5.0E-01	1.3E-07	1.0E-03	6.9E-11	1.6E-01	3.8E-02	4.2E-13
2.3E+00	1.2E-06	1.0E-03	3.0E-09	1.6E-01	3.8E-02	1.8E-11	4.9E-01	1.3E-07	1.0E-03	6.8E-11	1.6E-01	3.8E-02	4.1E-13
2.3E+00	1.2E-06	1.0E-03	2.9E-09	1.6E-01	3.8E-02	1.8E-11	4.8E-01	1.3E-07	1.0E-03	6.7E-11	1.6E-01	3.8E-02	4.0E-13
2.2E+00	1.2E-06	1.0E-03	2.8E-09	1.6E-01	3.8E-02	1.7E-11	4.7E-01	1.3E-07	1.0E-03	6.5E-11	1.6E-01	3.8E-02	3.9E-13
2.1E+00	1.2E-06	1.0E-03	2.7E-09	1.6E-01	3.8E-02	1.6E-11	4.6E-01	1.3E-07	1.0E-03	6.4E-11	1.6E-01	3.8E-02	3.9E-13
2.0E+00	1.2E-06	1.0E-03	2.6E-09	1.6E-01	3.8E-02	1.6E-11	4.5E-01	1.3E-07	1.0E-03	6.3E-11	1.6E-01	3.8E-02	3.8E-13
2.0E+00	1.2E-06	1.0E-03	2.5E-09	1.6E-01	3.8E-02	1.5E-11	4.5E-01	1.3E-07	1.0E-03	6.2E-11	1.6E-01	3.8E-02	3.7E-13
1.9E+00	1.2E-06	1.0E-03	2.4E-09	1.6E-01	3.8E-02	1.5E-11	4.4E-01	1.3E-07	1.0E-03	6.0E-11	1.6E-01	3.8E-02	3.6E-13
1.8E+00	1.2E-06	1.0E-03	2.3E-09	1.6E-01	3.8E-02	1.4E-11	4.3E-01	1.3E-07	1.0E-03	5.9E-11	1.6E-01	3.8E-02	3.6E-13
1.7E+00	1.2E-06	1.0E-03	2.2E-09	1.6E-01	3.8E-02	1.4E-11	4.2E-01	1.3E-07	1.0E-03	5.8E-11	1.6E-01	3.8E-02	3.5E-13
1.7E+00	1.2E-06	1.0E-03	2.2E-09	1.6E-01	3.8E-02	1.3E-11	5.8E-01	1.3E-07	1.0E-03	8.1E-11	1.6E-01	3.8E-02	4.9E-13
1.8E+00	1.2E-06	1.0E-03	2.3E-09	1.6E-01	3.8E-02	1.4E-11	5.8E-01	1.3E-07	1.0E-03	8.0E-11	1.6E-01	3.8E-02	4.8E-13
1.8E+00	1.2E-06	1.0E-03	2.4E-09	1.6E-01	3.8E-02	1.4E-11	5.8E-01	1.3E-07	1.0E-03	8.0E-11	1.6E-01	3.8E-02	4.8E-13
1.9E+00	1.2E-06	1.0E-03	2.5E-09	1.6E-01	3.8E-02	1.5E-11	5.7E-01	1.3E-07	1.0E-03	7.9E-11	1.6E-01	3.8E-02	4.8E-13
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2.1E+00	1.2E-06	1.0E-03	2.7E-09	1.6E-01	3.8E-02	1.6E-11	5.6E-01	1.3E-07	1.0E-03	7.8E-11	1.6E-01	3.8E-02	4.7E-13
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2.2E+00	1.2E-06	1.0E-03	2.8E-09	1.6E-01	3.8E-02	1.7E-11	5.5E-01	1.3E-07	1.0E-03	7.6E-11	1.6E-01	3.8E-02	4.6E-13
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2.3E+00	1.2E-06	1.0E-03	2.9E-09	1.6E-01	3.8E-02	1.8E-11	5.0E-01	1.3E-07	1.0E-03	6.9E-11	1.6E-01	3.8E-02	4.2E-13
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2.1E+00	1.2E-06	1.0E-03	2.7E-09	1.6E-01	3.8E-02	1.6E-11	4.7E-01	1.3E-07	1.0E-03	6.5E-11	1.6E-01	3.8E-02	3.9E-13
2.0E+00	1.2E-06	1.0E-03	2.6E-09	1.6E-01	3.8E-02	1.6E-11	4.6E-01	1.3E-07	1.0E-03	6.4E-11	1.6E-01	3.8E-02	3.8E-13
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1.9E+00	1.2E-06	1.0E-03	2.5E-09	1.6E-01	3.8E-02	1.5E-11	4.4E-01	1.3E-07	1.0E-03	6.1E-11	1.6E-01	3.8E-02	3.7E-13
1.9E+00	1.2E-06	1.0E-03	2.4E-09	1.6E-01	3.8E-02	1.4E-11	4.3E-01	1.3E-07	1.0E-03	6.0E-11	1.6E-01	3.8E-02	3.6E-13
1.8E+00	1.2E-06	1.0E-03	2.3E-09	1.6E-01	3.8E-02	1.4E-11	4.2E-01	1.3E-07	1.0E-03	5.9E-11	1.6E-01	3.8E-02	3.5E-13
1.7E+00	1.2E-06	1.0E-03	2.2E-09	1.6E-01	3.8E-02	1.3E-11	4.2E-01	1.3E-07	1.0E-03	5.8E-11	1.6E-01	3.8E-02	3.5E-13
1.7E+00	1.2E-06	1.0E-03	2.1E-09	1.6E-01	3.8E-02	1.3E-11	4.1E-01	1.3E-07	1.0E-03	5.6E-11	1.6E-01	3.8E-02	3.4E-13
1.6E+00	1.2E-06	1.0E-03	2.0E-09	1.6E-01	3.8E-02	1.2E-11	5.6E-01	1.3E-07	1.0E-03	7.8E-11	1.6E-01	3.8E-02	4.7E-13

1.6E+00	1.2E-06	1.0E-03	2.1E-09	1.6E-01	3.8E-02	1.3E-11	5.6E-01	1.3E-07	1.0E-03	7.7E-11	1.6E-01	3.8E-02	4.7E-13
1.7E+00	1.2E-06	1.0E-03	2.2E-09	1.6E-01	3.8E-02	1.3E-11	5.5E-01	1.3E-07	1.0E-03	7.7E-11	1.6E-01	3.8E-02	4.6E-13
1.8E+00	1.2E-06	1.0E-03	2.3E-09	1.6E-01	3.8E-02	1.4E-11	5.5E-01	1.3E-07	1.0E-03	7.6E-11	1.6E-01	3.8E-02	4.6E-13
1.8E+00	1.2E-06	1.0E-03	2.4E-09	1.6E-01	3.8E-02	1.4E-11	5.5E-01	1.3E-07	1.0E-03	7.6E-11	1.6E-01	3.8E-02	4.6E-13
1.9E+00	1.2E-06	1.0E-03	2.4E-09	1.6E-01	3.8E-02	1.5E-11	5.4E-01	1.3E-07	1.0E-03	7.5E-11	1.6E-01	3.8E-02	4.5E-13
2.0E+00	1.2E-06	1.0E-03	2.5E-09	1.6E-01	3.8E-02	1.5E-11	5.4E-01	1.3E-07	1.0E-03	7.4E-11	1.6E-01	3.8E-02	4.5E-13
2.0E+00	1.2E-06	1.0E-03	2.6E-09	1.6E-01	3.8E-02	1.6E-11	5.3E-01	1.3E-07	1.0E-03	7.3E-11	1.6E-01	3.8E-02	4.4E-13
2.0E+00	1.2E-06	1.0E-03	2.6E-09	1.6E-01	3.8E-02	1.6E-11	5.3E-01	1.3E-07	1.0E-03	7.3E-11	1.6E-01	3.8E-02	4.4E-13
2.1E+00	1.2E-06	1.0E-03	2.7E-09	1.6E-01	3.8E-02	1.6E-11	5.2E-01	1.3E-07	1.0E-03	7.2E-11	1.6E-01	3.8E-02	4.3E-13
2.1E+00	1.2E-06	1.0E-03	2.7E-09	1.6E-01	3.8E-02	1.6E-11	5.1E-01	1.3E-07	1.0E-03	7.1E-11	1.6E-01	3.8E-02	4.3E-13
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2.1E+00	1.2E-06	1.0E-03	2.7E-09	1.6E-01	3.8E-02	1.6E-11	5.0E-01	1.3E-07	1.0E-03	6.9E-11	1.6E-01	3.8E-02	4.2E-13
2.1E+00	1.2E-06	1.0E-03	2.7E-09	1.6E-01	3.8E-02	1.6E-11	4.9E-01	1.3E-07	1.0E-03	6.8E-11	1.6E-01	3.8E-02	4.1E-13
2.1E+00	1.2E-06	1.0E-03	2.7E-09	1.6E-01	3.8E-02	1.6E-11	4.9E-01	1.3E-07	1.0E-03	6.7E-11	1.6E-01	3.8E-02	4.0E-13
2.1E+00	1.2E-06	1.0E-03	2.7E-09	1.6E-01	3.8E-02	1.6E-11	4.8E-01	1.3E-07	1.0E-03	6.6E-11	1.6E-01	3.8E-02	4.0E-13
2.0E+00	1.2E-06	1.0E-03	2.6E-09	1.6E-01	3.8E-02	1.6E-11	4.7E-01	1.3E-07	1.0E-03	6.5E-11	1.6E-01	3.8E-02	3.9E-13
2.0E+00	1.2E-06	1.0E-03	2.6E-09	1.6E-01	3.8E-02	1.6E-11	4.6E-01	1.3E-07	1.0E-03	6.4E-11	1.6E-01	3.8E-02	3.9E-13
2.0E+00	1.2E-06	1.0E-03	2.5E-09	1.6E-01	3.8E-02	1.5E-11	4.5E-01	1.3E-07	1.0E-03	6.3E-11	1.6E-01	3.8E-02	3.8E-13
1.9E+00	1.2E-06	1.0E-03	2.5E-09	1.6E-01	3.8E-02	1.5E-11	4.5E-01	1.3E-07	1.0E-03	6.2E-11	1.6E-01	3.8E-02	3.7E-13
1.9E+00	1.2E-06	1.0E-03	2.4E-09	1.6E-01	3.8E-02	1.4E-11	4.4E-01	1.3E-07	1.0E-03	6.1E-11	1.6E-01	3.8E-02	3.7E-13
1.8E+00	1.2E-06	1.0E-03	2.3E-09	1.6E-01	3.8E-02	1.4E-11	4.3E-01	1.3E-07	1.0E-03	6.0E-11	1.6E-01	3.8E-02	3.6E-13
1.8E+00	1.2E-06	1.0E-03	2.3E-09	1.6E-01	3.8E-02	1.4E-11	4.2E-01	1.3E-07	1.0E-03	5.8E-11	1.6E-01	3.8E-02	3.5E-13
1.7E+00	1.2E-06	1.0E-03	2.2E-09	1.6E-01	3.8E-02	1.3E-11	4.1E-01	1.3E-07	1.0E-03	5.7E-11	1.6E-01	3.8E-02	3.5E-13
1.6E+00	1.2E-06	1.0E-03	2.1E-09	1.6E-01	3.8E-02	1.3E-11	4.1E-01	1.3E-07	1.0E-03	5.6E-11	1.6E-01	3.8E-02	3.4E-13
1.6E+00	1.2E-06	1.0E-03	2.0E-09	1.6E-01	3.8E-02	1.2E-11	4.0E-01	1.3E-07	1.0E-03	5.5E-11	1.6E-01	3.8E-02	3.3E-13
1.5E+00	1.2E-06	1.0E-03	1.9E-09	1.6E-01	3.8E-02	1.1E-11	5.4E-01	1.3E-07	1.0E-03	7.5E-11	1.6E-01	3.8E-02	4.5E-13
1.5E+00	1.2E-06	1.0E-03	2.0E-09	1.6E-01	3.8E-02	1.2E-11	5.4E-01	1.3E-07	1.0E-03	7.4E-11	1.6E-01	3.8E-02	4.5E-13
1.6E+00	1.2E-06	1.0E-03	2.0E-09	1.6E-01	3.8E-02	1.2E-11	5.3E-01	1.3E-07	1.0E-03	7.4E-11	1.6E-01	3.8E-02	4.5E-13
1.6E+00	1.2E-06	1.0E-03	2.1E-09	1.6E-01	3.8E-02	1.3E-11	5.3E-01	1.3E-07	1.0E-03	7.3E-11	1.6E-01	3.8E-02	4.4E-13
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1.8E+00	1.2E-06	1.0E-03	2.3E-09	1.6E-01	3.8E-02	1.4E-11	5.2E-01	1.3E-07	1.0E-03	7.2E-11	1.6E-01	3.8E-02	4.4E-13
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2.74983E-06
2.66082E-06

Risk From New Building Demo - Mitigated Residential

Franklin School Project

Risk From New Building Demo - Mitigated Residential

	0.57	Max					Onsite		
Receptor #	**Total/ Million**	**Total**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
1	0.00	2.1E-09	2.0E-01	1.1E-03	1.0E-03	2.3E-07	1.6E-01	5.5E-02	2.0E-09
2	0.00	2.3E-09	2.2E-01	1.1E-03	1.0E-03	2.6E-07	1.6E-01	5.5E-02	2.2E-09
3	0.00	2.6E-09	2.4E-01	1.1E-03	1.0E-03	2.8E-07	1.6E-01	5.5E-02	2.4E-09
4	0.00	2.8E-09	2.6E-01	1.1E-03	1.0E-03	3.1E-07	1.6E-01	5.5E-02	2.7E-09
5	0.00	3.1E-09	2.9E-01	1.1E-03	1.0E-03	3.4E-07	1.6E-01	5.5E-02	2.9E-09
6	0.00	3.3E-09	3.1E-01	1.1E-03	1.0E-03	3.6E-07	1.6E-01	5.5E-02	3.1E-09
7	0.00	3.5E-09	3.3E-01	1.1E-03	1.0E-03	3.9E-07	1.6E-01	5.5E-02	3.4E-09
8	0.00	3.7E-09	3.5E-01	1.1E-03	1.0E-03	4.1E-07	1.6E-01	5.5E-02	3.6E-09
9	0.00	4.0E-09	3.7E-01	1.1E-03	1.0E-03	4.4E-07	1.6E-01	5.5E-02	3.8E-09
10	0.00	4.2E-09	3.9E-01	1.1E-03	1.0E-03	4.6E-07	1.6E-01	5.5E-02	4.0E-09
11	0.00	4.5E-09	4.2E-01	1.1E-03	1.0E-03	5.0E-07	1.6E-01	5.5E-02	4.3E-09
12	0.00	4.8E-09	4.5E-01	1.1E-03	1.0E-03	5.4E-07	1.6E-01	5.5E-02	4.6E-09
13	0.01	5.1E-09	4.8E-01	1.1E-03	1.0E-03	5.7E-07	1.6E-01	5.5E-02	4.9E-09
14	0.01	5.3E-09	5.0E-01	1.1E-03	1.0E-03	6.0E-07	1.6E-01	5.5E-02	5.1E-09
15	0.01	5.5E-09	5.2E-01	1.1E-03	1.0E-03	6.2E-07	1.6E-01	5.5E-02	5.3E-09
16	0.01	5.5E-09	5.3E-01	1.1E-03	1.0E-03	6.2E-07	1.6E-01	5.5E-02	5.4E-09
17	0.00	2.4E-09	2.2E-01	1.1E-03	1.0E-03	2.6E-07	1.6E-01	5.5E-02	2.3E-09
18	0.00	2.7E-09	2.5E-01	1.1E-03	1.0E-03	2.9E-07	1.6E-01	5.5E-02	2.5E-09
19	0.00	3.0E-09	2.8E-01	1.1E-03	1.0E-03	3.3E-07	1.6E-01	5.5E-02	2.8E-09
20	0.00	3.4E-09	3.1E-01	1.1E-03	1.0E-03	3.6E-07	1.6E-01	5.5E-02	3.1E-09
21	0.00	3.7E-09	3.4E-01	1.1E-03	1.0E-03	4.0E-07	1.6E-01	5.5E-02	3.5E-09
22	0.00	4.0E-09	3.7E-01	1.1E-03	1.0E-03	4.4E-07	1.6E-01	5.5E-02	3.8E-09
23	0.00	4.4E-09	4.0E-01	1.1E-03	1.0E-03	4.8E-07	1.6E-01	5.5E-02	4.1E-09
24	0.00	4.6E-09	4.3E-01	1.1E-03	1.0E-03	5.1E-07	1.6E-01	5.5E-02	4.4E-09
25	0.00	5.0E-09	4.6E-01	1.1E-03	1.0E-03	5.5E-07	1.6E-01	5.5E-02	4.7E-09
26	0.01	5.3E-09	4.9E-01	1.1E-03	1.0E-03	5.8E-07	1.6E-01	5.5E-02	5.0E-09
27	0.01	5.8E-09	5.4E-01	1.1E-03	1.0E-03	6.4E-07	1.6E-01	5.5E-02	5.5E-09
28	0.01	6.2E-09	5.9E-01	1.1E-03	1.0E-03	6.9E-07	1.6E-01	5.5E-02	6.0E-09
29	0.01	6.6E-09	6.2E-01	1.1E-03	1.0E-03	7.4E-07	1.6E-01	5.5E-02	6.3E-09
30	0.01	6.8E-09	6.5E-01	1.1E-03	1.0E-03	7.7E-07	1.6E-01	5.5E-02	6.6E-09
31	0.01	6.9E-09	6.6E-01	1.1E-03	1.0E-03	7.8E-07	1.6E-01	5.5E-02	6.7E-09
32	0.01	6.8E-09	6.5E-01	1.1E-03	1.0E-03	7.7E-07	1.6E-01	5.5E-02	6.7E-09
33	0.00	2.7E-09	2.5E-01	1.1E-03	1.0E-03	2.9E-07	1.6E-01	5.5E-02	2.5E-09
34	0.00	3.1E-09	2.8E-01	1.1E-03	1.0E-03	3.3E-07	1.6E-01	5.5E-02	2.9E-09
35	0.00	3.5E-09	3.2E-01	1.1E-03	1.0E-03	3.8E-07	1.6E-01	5.5E-02	3.3E-09
36	0.00	3.9E-09	3.6E-01	1.1E-03	1.0E-03	4.3E-07	1.6E-01	5.5E-02	3.7E-09
37	0.00	4.4E-09	4.1E-01	1.1E-03	1.0E-03	4.8E-07	1.6E-01	5.5E-02	4.2E-09
38	0.00	4.9E-09	4.6E-01	1.1E-03	1.0E-03	5.4E-07	1.6E-01	5.5E-02	4.7E-09
39	0.01	5.5E-09	5.1E-01	1.1E-03	1.0E-03	6.0E-07	1.6E-01	5.5E-02	5.1E-09

40	0.01	6.0E-09	5.5E-01	1.1E-03	1.0E-03	6.5E-07	1.6E-01	5.5E-02	5.6E-09
41	0.01	6.4E-09	5.9E-01	1.1E-03	1.0E-03	7.0E-07	1.6E-01	5.5E-02	6.1E-09
42	0.01	7.0E-09	6.5E-01	1.1E-03	1.0E-03	7.6E-07	1.6E-01	5.5E-02	6.6E-09
43	0.01	7.7E-09	7.2E-01	1.1E-03	1.0E-03	8.5E-07	1.6E-01	5.5E-02	7.3E-09
44	0.01	8.3E-09	7.8E-01	1.1E-03	1.0E-03	9.3E-07	1.6E-01	5.5E-02	8.0E-09
45	0.01	8.7E-09	8.3E-01	1.1E-03	1.0E-03	9.8E-07	1.6E-01	5.5E-02	8.4E-09
46	0.01	8.9E-09	8.5E-01	1.1E-03	1.0E-03	1.0E-06	1.6E-01	5.5E-02	8.6E-09
47	0.01	8.8E-09	8.4E-01	1.1E-03	1.0E-03	1.0E-06	1.6E-01	5.5E-02	8.6E-09
48	0.01	8.5E-09	8.1E-01	1.1E-03	1.0E-03	9.6E-07	1.6E-01	5.5E-02	8.3E-09
49	0.00	3.0E-09	2.8E-01	1.1E-03	1.0E-03	3.3E-07	1.6E-01	5.5E-02	2.9E-09
50	0.00	3.5E-09	3.2E-01	1.1E-03	1.0E-03	3.8E-07	1.6E-01	5.5E-02	3.3E-09
51	0.00	4.0E-09	3.8E-01	1.1E-03	1.0E-03	4.4E-07	1.6E-01	5.5E-02	3.8E-09
52	0.00	4.7E-09	4.4E-01	1.1E-03	1.0E-03	5.2E-07	1.6E-01	5.5E-02	4.4E-09
53	0.01	5.5E-09	5.0E-01	1.1E-03	1.0E-03	6.0E-07	1.6E-01	5.5E-02	5.1E-09
54	0.01	6.3E-09	5.8E-01	1.1E-03	1.0E-03	6.8E-07	1.6E-01	5.5E-02	5.9E-09
55	0.01	7.1E-09	6.5E-01	1.1E-03	1.0E-03	7.7E-07	1.6E-01	5.5E-02	6.6E-09
56	0.01	7.9E-09	7.2E-01	1.1E-03	1.0E-03	8.5E-07	1.6E-01	5.5E-02	7.3E-09
57	0.01	8.7E-09	7.9E-01	1.1E-03	1.0E-03	9.4E-07	1.6E-01	5.5E-02	8.1E-09
58	0.01	9.6E-09	8.9E-01	1.1E-03	1.0E-03	1.0E-06	1.6E-01	5.5E-02	9.0E-09
59	0.01	1.1E-08	1.0E+00	1.1E-03	1.0E-03	1.2E-06	1.6E-01	5.5E-02	1.0E-08
60	0.01	1.2E-08	1.1E+00	1.1E-03	1.0E-03	1.3E-06	1.6E-01	5.5E-02	1.1E-08
61	0.01	1.2E-08	1.1E+00	1.1E-03	1.0E-03	1.3E-06	1.6E-01	5.5E-02	1.2E-08
62	0.01	1.2E-08	1.1E+00	1.1E-03	1.0E-03	1.3E-06	1.6E-01	5.5E-02	1.1E-08
63	0.01	1.1E-08	1.1E+00	1.1E-03	1.0E-03	1.3E-06	1.6E-01	5.5E-02	1.1E-08
64	0.01	1.0E-08	1.0E+00	1.1E-03	1.0E-03	1.2E-06	1.6E-01	5.5E-02	1.0E-08
65	0.00	3.4E-09	3.1E-01	1.1E-03	1.0E-03	3.7E-07	1.6E-01	5.5E-02	3.2E-09
66	0.00	4.0E-09	3.7E-01	1.1E-03	1.0E-03	4.4E-07	1.6E-01	5.5E-02	3.8E-09
67	0.00	4.8E-09	4.4E-01	1.1E-03	1.0E-03	5.2E-07	1.6E-01	5.5E-02	4.5E-09
68	0.01	5.7E-09	5.3E-01	1.1E-03	1.0E-03	6.2E-07	1.6E-01	5.5E-02	5.4E-09
69	0.01	6.9E-09	6.3E-01	1.1E-03	1.0E-03	7.5E-07	1.6E-01	5.5E-02	6.4E-09
70	0.01	8.3E-09	7.5E-01	1.1E-03	1.0E-03	8.9E-07	1.6E-01	5.5E-02	7.7E-09
71	0.01	9.8E-09	8.8E-01	1.1E-03	1.0E-03	1.0E-06	1.6E-01	5.5E-02	9.0E-09
72	0.01	1.1E-08	1.0E+00	1.1E-03	1.0E-03	1.2E-06	1.6E-01	5.5E-02	1.0E-08
73	0.01	1.3E-08	1.1E+00	1.1E-03	1.0E-03	1.3E-06	1.6E-01	5.5E-02	1.2E-08
74	0.01	1.5E-08	1.3E+00	1.1E-03	1.0E-03	1.6E-06	1.6E-01	5.5E-02	1.4E-08
75	0.02	1.6E-08	1.5E+00	1.1E-03	1.0E-03	1.8E-06	1.6E-01	5.5E-02	1.5E-08
76	0.02	1.7E-08	1.6E+00	1.1E-03	1.0E-03	1.9E-06	1.6E-01	5.5E-02	1.6E-08
77	0.02	1.6E-08	1.6E+00	1.1E-03	1.0E-03	1.9E-06	1.6E-01	5.5E-02	1.6E-08
78	0.02	1.6E-08	1.5E+00	1.1E-03	1.0E-03	1.8E-06	1.6E-01	5.5E-02	1.5E-08
79	0.01	1.4E-08	1.4E+00	1.1E-03	1.0E-03	1.6E-06	1.6E-01	5.5E-02	1.4E-08
80	0.01	1.3E-08	1.2E+00	1.1E-03	1.0E-03	1.4E-06	1.6E-01	5.5E-02	1.2E-08
81	0.00	3.7E-09	3.5E-01	1.1E-03	1.0E-03	4.1E-07	1.6E-01	5.5E-02	3.6E-09
82	0.00	4.5E-09	4.2E-01	1.1E-03	1.0E-03	5.0E-07	1.6E-01	5.5E-02	4.3E-09
83	0.01	5.5E-09	5.2E-01	1.1E-03	1.0E-03	6.1E-07	1.6E-01	5.5E-02	5.3E-09
84	0.01	6.9E-09	6.4E-01	1.1E-03	1.0E-03	7.6E-07	1.6E-01	5.5E-02	6.6E-09
85	0.01	8.8E-09	8.1E-01	1.1E-03	1.0E-03	9.5E-07	1.6E-01	5.5E-02	8.2E-09

86	0.01	1.1E-08	1.0E+00	1.1E-03	1.0E-03	1.2E-06	1.6E-01	5.5E-02	1.0E-08
87	0.01	1.5E-08	1.3E+00	1.1E-03	1.0E-03	1.5E-06	1.6E-01	5.5E-02	1.3E-08
88	0.02	1.8E-08	1.5E+00	1.1E-03	1.0E-03	1.8E-06	1.6E-01	5.5E-02	1.5E-08
89	0.02	2.0E-08	1.8E+00	1.1E-03	1.0E-03	2.1E-06	1.6E-01	5.5E-02	1.8E-08
90	0.02	2.4E-08	2.2E+00	1.1E-03	1.0E-03	2.6E-06	1.6E-01	5.5E-02	2.2E-08
91	0.03	2.5E-08	2.4E+00	1.1E-03	1.0E-03	2.8E-06	1.6E-01	5.5E-02	2.4E-08
92	0.02	2.5E-08	2.4E+00	1.1E-03	1.0E-03	2.8E-06	1.6E-01	5.5E-02	2.4E-08
93	0.02	2.3E-08	2.2E+00	1.1E-03	1.0E-03	2.6E-06	1.6E-01	5.5E-02	2.2E-08
94	0.02	2.0E-08	1.9E+00	1.1E-03	1.0E-03	2.3E-06	1.6E-01	5.5E-02	2.0E-08
95	0.02	1.7E-08	1.7E+00	1.1E-03	1.0E-03	2.0E-06	1.6E-01	5.5E-02	1.7E-08
96	0.01	1.5E-08	1.4E+00	1.1E-03	1.0E-03	1.7E-06	1.6E-01	5.5E-02	1.4E-08
97	0.00	4.1E-09	3.8E-01	1.1E-03	1.0E-03	4.5E-07	1.6E-01	5.5E-02	3.9E-09
98	0.01	5.0E-09	4.7E-01	1.1E-03	1.0E-03	5.6E-07	1.6E-01	5.5E-02	4.8E-09
99	0.01	6.4E-09	6.0E-01	1.1E-03	1.0E-03	7.1E-07	1.6E-01	5.5E-02	6.1E-09
100	0.01	8.4E-09	7.8E-01	1.1E-03	1.0E-03	9.2E-07	1.6E-01	5.5E-02	8.0E-09
101	0.01	1.1E-08	1.0E+00	1.1E-03	1.0E-03	1.2E-06	1.6E-01	5.5E-02	1.1E-08
102	0.02	1.7E-08	1.4E+00	1.1E-03	1.0E-03	1.7E-06	1.6E-01	5.5E-02	1.4E-08
103	0.03	2.9E-08	1.9E+00	1.1E-03	1.0E-03	2.3E-06	1.6E-01	5.5E-02	2.0E-08
104	0.04	3.6E-08	2.6E+00	1.1E-03	1.0E-03	3.0E-06	1.6E-01	5.5E-02	2.6E-08
105	0.04	3.8E-08	3.3E+00	1.1E-03	1.0E-03	3.9E-06	1.6E-01	5.5E-02	3.3E-08
106	0.04	4.3E-08	4.0E+00	1.1E-03	1.0E-03	4.7E-06	1.6E-01	5.5E-02	4.1E-08
107	0.04	4.1E-08	4.0E+00	1.1E-03	1.0E-03	4.7E-06	1.6E-01	5.5E-02	4.0E-08
108	0.04	3.7E-08	3.6E+00	1.1E-03	1.0E-03	4.2E-06	1.6E-01	5.5E-02	3.6E-08
109	0.03	3.1E-08	3.0E+00	1.1E-03	1.0E-03	3.5E-06	1.6E-01	5.5E-02	3.0E-08
110	0.02	2.5E-08	2.4E+00	1.1E-03	1.0E-03	2.9E-06	1.6E-01	5.5E-02	2.5E-08
111	0.02	2.0E-08	1.9E+00	1.1E-03	1.0E-03	2.3E-06	1.6E-01	5.5E-02	2.0E-08
112	0.02	1.6E-08	1.6E+00	1.1E-03	1.0E-03	1.9E-06	1.6E-01	5.5E-02	1.6E-08
113	0.00	4.4E-09	4.2E-01	1.1E-03	1.0E-03	4.9E-07	1.6E-01	5.5E-02	4.2E-09
114	0.01	5.5E-09	5.3E-01	1.1E-03	1.0E-03	6.2E-07	1.6E-01	5.5E-02	5.4E-09
115	0.01	7.3E-09	6.9E-01	1.1E-03	1.0E-03	8.1E-07	1.6E-01	5.5E-02	7.0E-09
116	0.01	1.0E-08	9.4E-01	1.1E-03	1.0E-03	1.1E-06	1.6E-01	5.5E-02	9.5E-09
117	0.01	1.5E-08	1.3E+00	1.1E-03	1.0E-03	1.6E-06	1.6E-01	5.5E-02	1.4E-08
118	0.09	8.7E-08	8.4E+00	1.1E-03	1.0E-03	9.9E-06	1.6E-01	5.5E-02	8.6E-08
119	0.07	6.9E-08	6.7E+00	1.1E-03	1.0E-03	7.9E-06	1.6E-01	5.5E-02	6.8E-08
120	0.05	5.2E-08	5.1E+00	1.1E-03	1.0E-03	6.0E-06	1.6E-01	5.5E-02	5.1E-08
121	0.04	3.9E-08	3.8E+00	1.1E-03	1.0E-03	4.4E-06	1.6E-01	5.5E-02	3.8E-08
122	0.03	2.9E-08	2.8E+00	1.1E-03	1.0E-03	3.3E-06	1.6E-01	5.5E-02	2.8E-08
123	0.02	2.2E-08	2.1E+00	1.1E-03	1.0E-03	2.5E-06	1.6E-01	5.5E-02	2.2E-08
124	0.02	1.7E-08	1.6E+00	1.1E-03	1.0E-03	1.9E-06	1.6E-01	5.5E-02	1.7E-08
125	0.00	4.6E-09	4.4E-01	1.1E-03	1.0E-03	5.2E-07	1.6E-01	5.5E-02	4.4E-09
126	0.01	5.9E-09	5.6E-01	1.1E-03	1.0E-03	6.7E-07	1.6E-01	5.5E-02	5.7E-09
127	0.01	7.9E-09	7.6E-01	1.1E-03	1.0E-03	8.9E-07	1.6E-01	5.5E-02	7.7E-09
128	0.01	1.1E-08	1.1E+00	1.1E-03	1.0E-03	1.3E-06	1.6E-01	5.5E-02	1.1E-08
129	0.02	1.7E-08	1.6E+00	1.1E-03	1.0E-03	1.9E-06	1.6E-01	5.5E-02	1.6E-08
130	0.17	1.7E-07	1.7E+01	1.1E-03	1.0E-03	2.0E-05	1.6E-01	5.5E-02	1.7E-07
131	0.10	1.0E-07	1.0E+01	1.1E-03	1.0E-03	1.2E-05	1.6E-01	5.5E-02	1.0E-07

132	0.06	6.5E-08	6.3E+00	1.1E-03	1.0E-03	7.5E-06	1.6E-01	5.5E-02	6.4E-08
133	0.04	4.4E-08	4.2E+00	1.1E-03	1.0E-03	5.0E-06	1.6E-01	5.5E-02	4.3E-08
134	0.03	3.0E-08	2.9E+00	1.1E-03	1.0E-03	3.5E-06	1.6E-01	5.5E-02	3.0E-08
135	0.02	2.2E-08	2.1E+00	1.1E-03	1.0E-03	2.5E-06	1.6E-01	5.5E-02	2.2E-08
136	0.02	1.6E-08	1.6E+00	1.1E-03	1.0E-03	1.9E-06	1.6E-01	5.5E-02	1.6E-08
137	0.00	4.7E-09	4.5E-01	1.1E-03	1.0E-03	5.3E-07	1.6E-01	5.5E-02	4.6E-09
138	0.01	6.1E-09	5.9E-01	1.1E-03	1.0E-03	6.9E-07	1.6E-01	5.5E-02	6.0E-09
139	0.01	8.3E-09	7.9E-01	1.1E-03	1.0E-03	9.3E-07	1.6E-01	5.5E-02	8.1E-09
140	0.01	1.2E-08	1.1E+00	1.1E-03	1.0E-03	1.3E-06	1.6E-01	5.5E-02	1.2E-08
141	0.02	1.8E-08	1.8E+00	1.1E-03	1.0E-03	2.1E-06	1.6E-01	5.5E-02	1.8E-08
142	0.26	2.6E-07	2.5E+01	1.1E-03	1.0E-03	3.0E-05	1.6E-01	5.5E-02	2.6E-07
143	0.12	1.2E-07	1.2E+01	1.1E-03	1.0E-03	1.4E-05	1.6E-01	5.5E-02	1.2E-07
144	0.07	6.8E-08	6.7E+00	1.1E-03	1.0E-03	7.9E-06	1.6E-01	5.5E-02	6.8E-08
145	0.04	4.3E-08	4.2E+00	1.1E-03	1.0E-03	4.9E-06	1.6E-01	5.5E-02	4.3E-08
146	0.03	2.8E-08	2.8E+00	1.1E-03	1.0E-03	3.3E-06	1.6E-01	5.5E-02	2.8E-08
147	0.02	2.0E-08	1.9E+00	1.1E-03	1.0E-03	2.3E-06	1.6E-01	5.5E-02	2.0E-08
148	0.01	1.5E-08	1.4E+00	1.1E-03	1.0E-03	1.7E-06	1.6E-01	5.5E-02	1.5E-08
149	0.00	4.6E-09	4.5E-01	1.1E-03	1.0E-03	5.3E-07	1.6E-01	5.5E-02	4.5E-09
150	0.01	5.9E-09	5.7E-01	1.1E-03	1.0E-03	6.7E-07	1.6E-01	5.5E-02	5.8E-09
151	0.01	8.1E-09	7.8E-01	1.1E-03	1.0E-03	9.3E-07	1.6E-01	5.5E-02	8.0E-09
152	0.01	1.2E-08	1.1E+00	1.1E-03	1.0E-03	1.3E-06	1.6E-01	5.5E-02	1.1E-08
153	0.02	1.8E-08	1.7E+00	1.1E-03	1.0E-03	2.0E-06	1.6E-01	5.5E-02	1.8E-08
154	0.39	3.9E-07	3.8E+01	1.1E-03	1.0E-03	4.5E-05	1.6E-01	5.5E-02	3.9E-07
155	0.12	1.2E-07	1.1E+01	1.1E-03	1.0E-03	1.3E-05	1.6E-01	5.5E-02	1.2E-07
156	0.06	5.7E-08	5.6E+00	1.1E-03	1.0E-03	6.6E-06	1.6E-01	5.5E-02	5.7E-08
157	0.04	3.6E-08	3.6E+00	1.1E-03	1.0E-03	4.2E-06	1.6E-01	5.5E-02	3.6E-08
158	0.02	2.4E-08	2.4E+00	1.1E-03	1.0E-03	2.8E-06	1.6E-01	5.5E-02	2.4E-08
159	0.02	1.7E-08	1.7E+00	1.1E-03	1.0E-03	2.0E-06	1.6E-01	5.5E-02	1.7E-08
160	0.01	1.3E-08	1.2E+00	1.1E-03	1.0E-03	1.5E-06	1.6E-01	5.5E-02	1.3E-08
161	0.00	4.2E-09	4.0E-01	1.1E-03	1.0E-03	4.8E-07	1.6E-01	5.5E-02	4.1E-09
162	0.01	5.4E-09	5.2E-01	1.1E-03	1.0E-03	6.1E-07	1.6E-01	5.5E-02	5.3E-09
163	0.01	7.1E-09	6.9E-01	1.1E-03	1.0E-03	8.1E-07	1.6E-01	5.5E-02	7.0E-09
164	0.01	1.0E-08	1.0E+00	1.1E-03	1.0E-03	1.2E-06	1.6E-01	5.5E-02	1.0E-08
165	0.02	1.6E-08	1.6E+00	1.1E-03	1.0E-03	1.9E-06	1.6E-01	5.5E-02	1.6E-08
166	0.03	2.7E-08	2.7E+00	1.1E-03	1.0E-03	3.1E-06	1.6E-01	5.5E-02	2.7E-08
167	0.06	5.6E-08	5.5E+00	1.1E-03	1.0E-03	6.5E-06	1.6E-01	5.5E-02	5.6E-08
168	0.15	1.5E-07	1.5E+01	1.1E-03	1.0E-03	1.8E-05	1.6E-01	5.5E-02	1.5E-07
169	0.25	2.5E-07	2.5E+01	1.1E-03	1.0E-03	2.9E-05	1.6E-01	5.5E-02	2.5E-07
170	0.16	1.6E-07	1.6E+01	1.1E-03	1.0E-03	1.9E-05	1.6E-01	5.5E-02	1.6E-07
171	0.08	7.9E-08	7.8E+00	1.1E-03	1.0E-03	9.2E-06	1.6E-01	5.5E-02	7.9E-08
172	0.04	4.1E-08	4.0E+00	1.1E-03	1.0E-03	4.8E-06	1.6E-01	5.5E-02	4.1E-08
173	0.03	2.7E-08	2.6E+00	1.1E-03	1.0E-03	3.1E-06	1.6E-01	5.5E-02	2.7E-08
174	0.02	2.0E-08	1.9E+00	1.1E-03	1.0E-03	2.3E-06	1.6E-01	5.5E-02	2.0E-08
175	0.01	1.4E-08	1.4E+00	1.1E-03	1.0E-03	1.6E-06	1.6E-01	5.5E-02	1.4E-08
176	0.01	1.1E-08	1.1E+00	1.1E-03	1.0E-03	1.2E-06	1.6E-01	5.5E-02	1.1E-08
177	0.00	3.9E-09	3.8E-01	1.1E-03	1.0E-03	4.4E-07	1.6E-01	5.5E-02	3.8E-09

178	0.00	4.9E-09	4.8E-01	1.1E-03	1.0E-03	5.6E-07	1.6E-01	5.5E-02	4.8E-09
179	0.01	6.4E-09	6.1E-01	1.1E-03	1.0E-03	7.3E-07	1.6E-01	5.5E-02	6.2E-09
180	0.01	9.3E-09	9.0E-01	1.1E-03	1.0E-03	1.1E-06	1.6E-01	5.5E-02	9.2E-09
181	0.01	1.4E-08	1.3E+00	1.1E-03	1.0E-03	1.5E-06	1.6E-01	5.5E-02	1.3E-08
182	0.02	2.1E-08	2.0E+00	1.1E-03	1.0E-03	2.4E-06	1.6E-01	5.5E-02	2.1E-08
183	0.04	3.5E-08	3.4E+00	1.1E-03	1.0E-03	4.1E-06	1.6E-01	5.5E-02	3.5E-08
184	0.06	5.9E-08	5.8E+00	1.1E-03	1.0E-03	6.9E-06	1.6E-01	5.5E-02	5.9E-08
185	0.08	8.0E-08	7.8E+00	1.1E-03	1.0E-03	9.2E-06	1.6E-01	5.5E-02	7.9E-08
186	0.07	7.1E-08	6.9E+00	1.1E-03	1.0E-03	8.2E-06	1.6E-01	5.5E-02	7.0E-08
187	0.05	4.9E-08	4.8E+00	1.1E-03	1.0E-03	5.7E-06	1.6E-01	5.5E-02	4.9E-08
188	0.03	3.3E-08	3.2E+00	1.1E-03	1.0E-03	3.8E-06	1.6E-01	5.5E-02	3.3E-08
189	0.02	2.1E-08	2.0E+00	1.1E-03	1.0E-03	2.4E-06	1.6E-01	5.5E-02	2.1E-08
190	0.02	1.6E-08	1.6E+00	1.1E-03	1.0E-03	1.9E-06	1.6E-01	5.5E-02	1.6E-08
191	0.01	1.2E-08	1.2E+00	1.1E-03	1.0E-03	1.4E-06	1.6E-01	5.5E-02	1.2E-08
192	0.01	9.4E-09	9.2E-01	1.1E-03	1.0E-03	1.1E-06	1.6E-01	5.5E-02	9.3E-09
193	0.00	3.6E-09	3.5E-01	1.1E-03	1.0E-03	4.1E-07	1.6E-01	5.5E-02	3.6E-09
194	0.00	4.6E-09	4.5E-01	1.1E-03	1.0E-03	5.3E-07	1.6E-01	5.5E-02	4.5E-09
195	0.01	6.1E-09	5.9E-01	1.1E-03	1.0E-03	7.0E-07	1.6E-01	5.5E-02	6.0E-09
196	0.01	8.0E-09	7.8E-01	1.1E-03	1.0E-03	9.2E-07	1.6E-01	5.5E-02	7.9E-09
197	0.01	1.1E-08	1.1E+00	1.1E-03	1.0E-03	1.2E-06	1.6E-01	5.5E-02	1.1E-08
198	0.02	1.6E-08	1.5E+00	1.1E-03	1.0E-03	1.8E-06	1.6E-01	5.5E-02	1.5E-08
199	0.02	2.3E-08	2.2E+00	1.1E-03	1.0E-03	2.6E-06	1.6E-01	5.5E-02	2.3E-08
200	0.03	3.2E-08	3.2E+00	1.1E-03	1.0E-03	3.7E-06	1.6E-01	5.5E-02	3.2E-08
201	0.04	4.0E-08	3.9E+00	1.1E-03	1.0E-03	4.6E-06	1.6E-01	5.5E-02	3.9E-08
202	0.04	3.8E-08	3.7E+00	1.1E-03	1.0E-03	4.4E-06	1.6E-01	5.5E-02	3.8E-08
203	0.03	3.0E-08	2.9E+00	1.1E-03	1.0E-03	3.5E-06	1.6E-01	5.5E-02	3.0E-08
204	0.02	2.3E-08	2.3E+00	1.1E-03	1.0E-03	2.7E-06	1.6E-01	5.5E-02	2.3E-08
205	0.02	1.7E-08	1.7E+00	1.1E-03	1.0E-03	2.0E-06	1.6E-01	5.5E-02	1.7E-08
206	0.01	1.3E-08	1.2E+00	1.1E-03	1.0E-03	1.5E-06	1.6E-01	5.5E-02	1.3E-08
207	0.01	1.1E-08	1.0E+00	1.1E-03	1.0E-03	1.2E-06	1.6E-01	5.5E-02	1.1E-08
208	0.01	8.4E-09	8.2E-01	1.1E-03	1.0E-03	9.7E-07	1.6E-01	5.5E-02	8.3E-09
209	0.00	3.5E-09	3.4E-01	1.1E-03	1.0E-03	4.0E-07	1.6E-01	5.5E-02	3.5E-09
210	0.00	4.3E-09	4.2E-01	1.1E-03	1.0E-03	4.9E-07	1.6E-01	5.5E-02	4.2E-09
211	0.01	5.4E-09	5.2E-01	1.1E-03	1.0E-03	6.1E-07	1.6E-01	5.5E-02	5.3E-09
212	0.01	6.8E-09	6.5E-01	1.1E-03	1.0E-03	7.7E-07	1.6E-01	5.5E-02	6.7E-09
213	0.01	8.8E-09	8.5E-01	1.1E-03	1.0E-03	1.0E-06	1.6E-01	5.5E-02	8.7E-09
214	0.01	1.2E-08	1.2E+00	1.1E-03	1.0E-03	1.4E-06	1.6E-01	5.5E-02	1.2E-08
215	0.02	1.6E-08	1.6E+00	1.1E-03	1.0E-03	1.9E-06	1.6E-01	5.5E-02	1.6E-08
216	0.02	2.0E-08	2.0E+00	1.1E-03	1.0E-03	2.4E-06	1.6E-01	5.5E-02	2.0E-08
217	0.02	2.4E-08	2.3E+00	1.1E-03	1.0E-03	2.7E-06	1.6E-01	5.5E-02	2.4E-08
218	0.02	2.4E-08	2.3E+00	1.1E-03	1.0E-03	2.8E-06	1.6E-01	5.5E-02	2.4E-08
219	0.02	2.2E-08	2.1E+00	1.1E-03	1.0E-03	2.5E-06	1.6E-01	5.5E-02	2.2E-08
220	0.02	1.9E-08	1.8E+00	1.1E-03	1.0E-03	2.1E-06	1.6E-01	5.5E-02	1.8E-08
221	0.01	1.5E-08	1.4E+00	1.1E-03	1.0E-03	1.7E-06	1.6E-01	5.5E-02	1.5E-08
222	0.01	1.1E-08	1.1E+00	1.1E-03	1.0E-03	1.2E-06	1.6E-01	5.5E-02	1.1E-08
223	0.01	8.6E-09	8.4E-01	1.1E-03	1.0E-03	9.9E-07	1.6E-01	5.5E-02	8.6E-09

224	0.01	7.6E-09	7.4E-01	1.1E-03	1.0E-03	8.7E-07	1.6E-01	5.5E-02	7.5E-09
225	0.00	3.2E-09	3.1E-01	1.1E-03	1.0E-03	3.7E-07	1.6E-01	5.5E-02	3.2E-09
226	0.00	3.9E-09	3.7E-01	1.1E-03	1.0E-03	4.4E-07	1.6E-01	5.5E-02	3.8E-09
227	0.00	4.7E-09	4.5E-01	1.1E-03	1.0E-03	5.3E-07	1.6E-01	5.5E-02	4.6E-09
228	0.01	5.7E-09	5.6E-01	1.1E-03	1.0E-03	6.6E-07	1.6E-01	5.5E-02	5.6E-09
229	0.01	7.2E-09	7.0E-01	1.1E-03	1.0E-03	8.3E-07	1.6E-01	5.5E-02	7.1E-09
230	0.01	9.2E-09	9.0E-01	1.1E-03	1.0E-03	1.1E-06	1.6E-01	5.5E-02	9.1E-09
231	0.01	1.2E-08	1.1E+00	1.1E-03	1.0E-03	1.3E-06	1.6E-01	5.5E-02	1.2E-08
232	0.01	1.4E-08	1.4E+00	1.1E-03	1.0E-03	1.6E-06	1.6E-01	5.5E-02	1.4E-08
233	0.02	1.6E-08	1.6E+00	1.1E-03	1.0E-03	1.8E-06	1.6E-01	5.5E-02	1.6E-08
234	0.02	1.7E-08	1.6E+00	1.1E-03	1.0E-03	1.9E-06	1.6E-01	5.5E-02	1.6E-08
235	0.02	1.6E-08	1.5E+00	1.1E-03	1.0E-03	1.8E-06	1.6E-01	5.5E-02	1.6E-08
236	0.01	1.4E-08	1.4E+00	1.1E-03	1.0E-03	1.6E-06	1.6E-01	5.5E-02	1.4E-08
237	0.01	1.2E-08	1.2E+00	1.1E-03	1.0E-03	1.4E-06	1.6E-01	5.5E-02	1.2E-08
238	0.01	9.9E-09	9.7E-01	1.1E-03	1.0E-03	1.1E-06	1.6E-01	5.5E-02	9.8E-09
239	0.01	7.6E-09	7.4E-01	1.1E-03	1.0E-03	8.7E-07	1.6E-01	5.5E-02	7.5E-09
240	0.01	6.3E-09	6.1E-01	1.1E-03	1.0E-03	7.2E-07	1.6E-01	5.5E-02	6.2E-09
241	0.00	2.9E-09	2.8E-01	1.1E-03	1.0E-03	3.3E-07	1.6E-01	5.5E-02	2.8E-09
242	0.00	3.4E-09	3.3E-01	1.1E-03	1.0E-03	3.9E-07	1.6E-01	5.5E-02	3.3E-09
243	0.00	4.0E-09	3.9E-01	1.1E-03	1.0E-03	4.6E-07	1.6E-01	5.5E-02	4.0E-09
244	0.00	4.8E-09	4.7E-01	1.1E-03	1.0E-03	5.5E-07	1.6E-01	5.5E-02	4.8E-09
245	0.01	5.9E-09	5.7E-01	1.1E-03	1.0E-03	6.8E-07	1.6E-01	5.5E-02	5.8E-09
246	0.01	7.3E-09	7.0E-01	1.1E-03	1.0E-03	8.3E-07	1.6E-01	5.5E-02	7.2E-09
247	0.01	8.9E-09	8.6E-01	1.1E-03	1.0E-03	1.0E-06	1.6E-01	5.5E-02	8.8E-09
248	0.01	1.0E-08	1.0E+00	1.1E-03	1.0E-03	1.2E-06	1.6E-01	5.5E-02	1.0E-08
249	0.01	1.2E-08	1.1E+00	1.1E-03	1.0E-03	1.3E-06	1.6E-01	5.5E-02	1.1E-08
250	0.01	1.2E-08	1.2E+00	1.1E-03	1.0E-03	1.4E-06	1.6E-01	5.5E-02	1.2E-08
251	0.01	1.2E-08	1.1E+00	1.1E-03	1.0E-03	1.4E-06	1.6E-01	5.5E-02	1.2E-08
252	0.01	1.1E-08	1.1E+00	1.1E-03	1.0E-03	1.3E-06	1.6E-01	5.5E-02	1.1E-08
253	0.01	9.7E-09	9.5E-01	1.1E-03	1.0E-03	1.1E-06	1.6E-01	5.5E-02	9.6E-09
254	0.01	8.4E-09	8.2E-01	1.1E-03	1.0E-03	9.7E-07	1.6E-01	5.5E-02	8.3E-09
255	0.01	7.0E-09	6.9E-01	1.1E-03	1.0E-03	8.1E-07	1.6E-01	5.5E-02	7.0E-09
256	0.01	5.6E-09	5.4E-01	1.1E-03	1.0E-03	6.4E-07	1.6E-01	5.5E-02	5.5E-09
257	0.00	2.6E-09	2.5E-01	1.1E-03	1.0E-03	3.0E-07	1.6E-01	5.5E-02	2.6E-09
258	0.00	3.0E-09	2.9E-01	1.1E-03	1.0E-03	3.4E-07	1.6E-01	5.5E-02	3.0E-09
259	0.00	3.5E-09	3.4E-01	1.1E-03	1.0E-03	4.0E-07	1.6E-01	5.5E-02	3.5E-09
260	0.00	4.1E-09	4.0E-01	1.1E-03	1.0E-03	4.7E-07	1.6E-01	5.5E-02	4.1E-09
261	0.00	4.9E-09	4.8E-01	1.1E-03	1.0E-03	5.7E-07	1.6E-01	5.5E-02	4.9E-09
262	0.01	5.9E-09	5.7E-01	1.1E-03	1.0E-03	6.8E-07	1.6E-01	5.5E-02	5.8E-09
263	0.01	7.0E-09	6.8E-01	1.1E-03	1.0E-03	8.0E-07	1.6E-01	5.5E-02	6.9E-09
264	0.01	8.0E-09	7.8E-01	1.1E-03	1.0E-03	9.2E-07	1.6E-01	5.5E-02	7.9E-09
265	0.01	8.7E-09	8.5E-01	1.1E-03	1.0E-03	1.0E-06	1.6E-01	5.5E-02	8.7E-09
266	0.01	9.1E-09	8.9E-01	1.1E-03	1.0E-03	1.0E-06	1.6E-01	5.5E-02	9.0E-09
267	0.01	9.1E-09	8.8E-01	1.1E-03	1.0E-03	1.0E-06	1.6E-01	5.5E-02	9.0E-09
268	0.01	8.6E-09	8.4E-01	1.1E-03	1.0E-03	9.9E-07	1.6E-01	5.5E-02	8.5E-09
269	0.01	7.9E-09	7.7E-01	1.1E-03	1.0E-03	9.1E-07	1.6E-01	5.5E-02	7.8E-09

270	0.01	7.1E-09	6.9E-01	1.1E-03	1.0E-03	8.1E-07	1.6E-01	5.5E-02	7.0E-09
271	0.01	6.2E-09	6.0E-01	1.1E-03	1.0E-03	7.1E-07	1.6E-01	5.5E-02	6.1E-09
272	0.01	5.0E-09	4.9E-01	1.1E-03	1.0E-03	5.8E-07	1.6E-01	5.5E-02	5.0E-09
273	0.02	1.7E-08	1.4E+00	1.1E-03	1.0E-03	1.7E-06	1.6E-01	5.5E-02	1.4E-08
274	0.02	1.8E-08	1.5E+00	1.1E-03	1.0E-03	1.8E-06	1.6E-01	5.5E-02	1.5E-08
275	0.02	2.0E-08	1.6E+00	1.1E-03	1.0E-03	1.9E-06	1.6E-01	5.5E-02	1.6E-08
276	0.02	2.3E-08	1.7E+00	1.1E-03	1.0E-03	2.0E-06	1.6E-01	5.5E-02	1.7E-08
277	0.03	2.6E-08	1.8E+00	1.1E-03	1.0E-03	2.1E-06	1.6E-01	5.5E-02	1.8E-08
278	0.03	2.9E-08	1.9E+00	1.1E-03	1.0E-03	2.3E-06	1.6E-01	5.5E-02	2.0E-08
279	0.03	3.1E-08	2.0E+00	1.1E-03	1.0E-03	2.4E-06	1.6E-01	5.5E-02	2.1E-08
280	0.03	3.3E-08	2.1E+00	1.1E-03	1.0E-03	2.5E-06	1.6E-01	5.5E-02	2.2E-08
281	0.03	3.5E-08	2.3E+00	1.1E-03	1.0E-03	2.7E-06	1.6E-01	5.5E-02	2.3E-08
282	0.04	3.6E-08	2.4E+00	1.1E-03	1.0E-03	2.8E-06	1.6E-01	5.5E-02	2.4E-08
283	0.04	3.6E-08	2.6E+00	1.1E-03	1.0E-03	3.0E-06	1.6E-01	5.5E-02	2.6E-08
284	0.04	3.6E-08	2.7E+00	1.1E-03	1.0E-03	3.2E-06	1.6E-01	5.5E-02	2.7E-08
285	0.04	3.6E-08	2.8E+00	1.1E-03	1.0E-03	3.3E-06	1.6E-01	5.5E-02	2.9E-08
286	0.04	3.6E-08	3.0E+00	1.1E-03	1.0E-03	3.5E-06	1.6E-01	5.5E-02	3.0E-08
287	0.04	3.7E-08	3.1E+00	1.1E-03	1.0E-03	3.7E-06	1.6E-01	5.5E-02	3.2E-08
288	0.04	3.8E-08	3.3E+00	1.1E-03	1.0E-03	3.9E-06	1.6E-01	5.5E-02	3.3E-08
289	0.04	3.9E-08	3.5E+00	1.1E-03	1.0E-03	4.1E-06	1.6E-01	5.5E-02	3.5E-08
290	0.04	4.0E-08	3.7E+00	1.1E-03	1.0E-03	4.3E-06	1.6E-01	5.5E-02	3.7E-08
291	0.04	4.1E-08	3.8E+00	1.1E-03	1.0E-03	4.5E-06	1.6E-01	5.5E-02	3.9E-08
292	0.04	4.2E-08	3.9E+00	1.1E-03	1.0E-03	4.6E-06	1.6E-01	5.5E-02	4.0E-08
293	0.04	4.3E-08	4.0E+00	1.1E-03	1.0E-03	4.7E-06	1.6E-01	5.5E-02	4.1E-08
294	0.04	4.3E-08	4.0E+00	1.1E-03	1.0E-03	4.8E-06	1.6E-01	5.5E-02	4.1E-08
295	0.04	4.3E-08	4.1E+00	1.1E-03	1.0E-03	4.8E-06	1.6E-01	5.5E-02	4.1E-08
296	0.04	4.2E-08	4.0E+00	1.1E-03	1.0E-03	4.8E-06	1.6E-01	5.5E-02	4.1E-08
297	0.04	4.2E-08	4.0E+00	1.1E-03	1.0E-03	4.8E-06	1.6E-01	5.5E-02	4.1E-08
298	0.04	4.1E-08	4.0E+00	1.1E-03	1.0E-03	4.7E-06	1.6E-01	5.5E-02	4.0E-08
299	0.02	1.8E-08	1.5E+00	1.1E-03	1.0E-03	1.8E-06	1.6E-01	5.5E-02	1.5E-08
300	0.02	2.0E-08	1.6E+00	1.1E-03	1.0E-03	1.9E-06	1.6E-01	5.5E-02	1.6E-08
301	0.02	2.3E-08	1.7E+00	1.1E-03	1.0E-03	2.0E-06	1.6E-01	5.5E-02	1.7E-08
302	0.03	2.6E-08	1.8E+00	1.1E-03	1.0E-03	2.2E-06	1.6E-01	5.5E-02	1.9E-08
303	0.02	2.3E-08	2.0E+00	1.1E-03	1.0E-03	2.3E-06	1.6E-01	5.5E-02	2.0E-08
304	0.03	2.5E-08	2.1E+00	1.1E-03	1.0E-03	2.5E-06	1.6E-01	5.5E-02	2.1E-08
305	0.03	2.8E-08	2.2E+00	1.1E-03	1.0E-03	2.6E-06	1.6E-01	5.5E-02	2.3E-08
306	0.03	3.2E-08	2.4E+00	1.1E-03	1.0E-03	2.8E-06	1.6E-01	5.5E-02	2.4E-08
307	0.03	3.4E-08	2.5E+00	1.1E-03	1.0E-03	3.0E-06	1.6E-01	5.5E-02	2.6E-08
308	0.03	3.3E-08	2.7E+00	1.1E-03	1.0E-03	3.2E-06	1.6E-01	5.5E-02	2.8E-08
309	0.03	3.4E-08	2.9E+00	1.1E-03	1.0E-03	3.4E-06	1.6E-01	5.5E-02	2.9E-08
310	0.04	4.3E-08	3.0E+00	1.1E-03	1.0E-03	3.6E-06	1.6E-01	5.5E-02	3.1E-08
311	0.04	4.2E-08	3.2E+00	1.1E-03	1.0E-03	3.8E-06	1.6E-01	5.5E-02	3.3E-08
312	0.04	4.1E-08	3.4E+00	1.1E-03	1.0E-03	4.0E-06	1.6E-01	5.5E-02	3.5E-08
313	0.04	4.2E-08	3.6E+00	1.1E-03	1.0E-03	4.3E-06	1.6E-01	5.5E-02	3.7E-08
314	0.04	4.3E-08	3.8E+00	1.1E-03	1.0E-03	4.5E-06	1.6E-01	5.5E-02	3.9E-08
315	0.04	4.5E-08	4.0E+00	1.1E-03	1.0E-03	4.8E-06	1.6E-01	5.5E-02	4.1E-08

316	0.05	4.6E-08	4.3E+00	1.1E-03	1.0E-03	5.0E-06	1.6E-01	5.5E-02	4.3E-08
317	0.05	4.8E-08	4.4E+00	1.1E-03	1.0E-03	5.2E-06	1.6E-01	5.5E-02	4.5E-08
318	0.05	4.8E-08	4.5E+00	1.1E-03	1.0E-03	5.4E-06	1.6E-01	5.5E-02	4.6E-08
319	0.05	4.9E-08	4.6E+00	1.1E-03	1.0E-03	5.4E-06	1.6E-01	5.5E-02	4.7E-08
320	0.05	4.9E-08	4.6E+00	1.1E-03	1.0E-03	5.4E-06	1.6E-01	5.5E-02	4.7E-08
321	0.05	4.8E-08	4.6E+00	1.1E-03	1.0E-03	5.4E-06	1.6E-01	5.5E-02	4.7E-08
322	0.05	4.8E-08	4.6E+00	1.1E-03	1.0E-03	5.4E-06	1.6E-01	5.5E-02	4.6E-08
323	0.05	4.7E-08	4.5E+00	1.1E-03	1.0E-03	5.3E-06	1.6E-01	5.5E-02	4.6E-08
324	0.05	4.6E-08	4.4E+00	1.1E-03	1.0E-03	5.2E-06	1.6E-01	5.5E-02	4.5E-08
325	0.02	2.0E-08	1.6E+00	1.1E-03	1.0E-03	1.9E-06	1.6E-01	5.5E-02	1.7E-08
326	0.02	2.2E-08	1.7E+00	1.1E-03	1.0E-03	2.0E-06	1.6E-01	5.5E-02	1.8E-08
327	0.03	2.5E-08	1.9E+00	1.1E-03	1.0E-03	2.2E-06	1.6E-01	5.5E-02	1.9E-08
328	0.03	3.0E-08	2.0E+00	1.1E-03	1.0E-03	2.4E-06	1.6E-01	5.5E-02	2.0E-08
329	0.03	2.5E-08	2.2E+00	1.1E-03	1.0E-03	2.6E-06	1.6E-01	5.5E-02	2.2E-08
330	0.03	2.8E-08	2.3E+00	1.1E-03	1.0E-03	2.8E-06	1.6E-01	5.5E-02	2.4E-08
331	0.03	3.3E-08	2.5E+00	1.1E-03	1.0E-03	2.9E-06	1.6E-01	5.5E-02	2.5E-08
332	0.03	2.8E-08	2.7E+00	1.1E-03	1.0E-03	3.2E-06	1.6E-01	5.5E-02	2.7E-08
333	0.03	3.0E-08	2.9E+00	1.1E-03	1.0E-03	3.4E-06	1.6E-01	5.5E-02	2.9E-08
334	0.04	3.9E-08	3.1E+00	1.1E-03	1.0E-03	3.6E-06	1.6E-01	5.5E-02	3.1E-08
335	0.04	3.9E-08	3.3E+00	1.1E-03	1.0E-03	3.9E-06	1.6E-01	5.5E-02	3.4E-08
336	0.04	4.0E-08	3.5E+00	1.1E-03	1.0E-03	4.1E-06	1.6E-01	5.5E-02	3.6E-08
337	0.05	4.8E-08	3.7E+00	1.1E-03	1.0E-03	4.4E-06	1.6E-01	5.5E-02	3.8E-08
338	0.05	4.8E-08	4.0E+00	1.1E-03	1.0E-03	4.7E-06	1.6E-01	5.5E-02	4.0E-08
339	0.05	4.9E-08	4.3E+00	1.1E-03	1.0E-03	5.0E-06	1.6E-01	5.5E-02	4.3E-08
340	0.05	5.1E-08	4.5E+00	1.1E-03	1.0E-03	5.3E-06	1.6E-01	5.5E-02	4.6E-08
341	0.05	5.2E-08	4.8E+00	1.1E-03	1.0E-03	5.6E-06	1.6E-01	5.5E-02	4.9E-08
342	0.05	5.4E-08	5.0E+00	1.1E-03	1.0E-03	5.9E-06	1.6E-01	5.5E-02	5.1E-08
343	0.06	5.5E-08	5.2E+00	1.1E-03	1.0E-03	6.1E-06	1.6E-01	5.5E-02	5.3E-08
344	0.06	5.6E-08	5.3E+00	1.1E-03	1.0E-03	6.2E-06	1.6E-01	5.5E-02	5.4E-08
345	0.06	5.6E-08	5.3E+00	1.1E-03	1.0E-03	6.3E-06	1.6E-01	5.5E-02	5.4E-08
346	0.06	5.5E-08	5.3E+00	1.1E-03	1.0E-03	6.3E-06	1.6E-01	5.5E-02	5.4E-08
347	0.05	5.5E-08	5.2E+00	1.1E-03	1.0E-03	6.2E-06	1.6E-01	5.5E-02	5.3E-08
348	0.05	5.4E-08	5.2E+00	1.1E-03	1.0E-03	6.1E-06	1.6E-01	5.5E-02	5.2E-08
349	0.05	5.2E-08	5.0E+00	1.1E-03	1.0E-03	6.0E-06	1.6E-01	5.5E-02	5.1E-08
350	0.05	5.1E-08	4.9E+00	1.1E-03	1.0E-03	5.8E-06	1.6E-01	5.5E-02	5.0E-08
351	0.02	2.1E-08	1.7E+00	1.1E-03	1.0E-03	2.1E-06	1.6E-01	5.5E-02	1.8E-08
352	0.02	2.4E-08	1.9E+00	1.1E-03	1.0E-03	2.2E-06	1.6E-01	5.5E-02	1.9E-08
353	0.03	2.8E-08	2.0E+00	1.1E-03	1.0E-03	2.4E-06	1.6E-01	5.5E-02	2.1E-08
354	0.02	2.5E-08	2.2E+00	1.1E-03	1.0E-03	2.6E-06	1.6E-01	5.5E-02	2.2E-08
355	0.03	2.8E-08	2.4E+00	1.1E-03	1.0E-03	2.8E-06	1.6E-01	5.5E-02	2.4E-08
356	0.03	3.2E-08	2.6E+00	1.1E-03	1.0E-03	3.1E-06	1.6E-01	5.5E-02	2.6E-08
357	0.03	2.9E-08	2.8E+00	1.1E-03	1.0E-03	3.3E-06	1.6E-01	5.5E-02	2.8E-08
358	0.03	3.2E-08	3.0E+00	1.1E-03	1.0E-03	3.6E-06	1.6E-01	5.5E-02	3.1E-08
359	0.03	3.4E-08	3.3E+00	1.1E-03	1.0E-03	3.9E-06	1.6E-01	5.5E-02	3.3E-08
360	0.04	4.4E-08	3.5E+00	1.1E-03	1.0E-03	4.2E-06	1.6E-01	5.5E-02	3.6E-08
361	0.04	4.4E-08	3.8E+00	1.1E-03	1.0E-03	4.5E-06	1.6E-01	5.5E-02	3.9E-08

362	0.05	4.6E-08	4.1E+00	1.1E-03	1.0E-03	4.8E-06	1.6E-01	5.5E-02	4.2E-08
363	0.06	5.6E-08	4.4E+00	1.1E-03	1.0E-03	5.2E-06	1.6E-01	5.5E-02	4.5E-08
364	0.06	5.6E-08	4.7E+00	1.1E-03	1.0E-03	5.6E-06	1.6E-01	5.5E-02	4.8E-08
365	0.06	5.7E-08	5.1E+00	1.1E-03	1.0E-03	6.0E-06	1.6E-01	5.5E-02	5.2E-08
366	0.06	6.0E-08	5.4E+00	1.1E-03	1.0E-03	6.4E-06	1.6E-01	5.5E-02	5.5E-08
367	0.06	6.2E-08	5.7E+00	1.1E-03	1.0E-03	6.7E-06	1.6E-01	5.5E-02	5.8E-08
368	0.06	6.4E-08	6.0E+00	1.1E-03	1.0E-03	7.1E-06	1.6E-01	5.5E-02	6.1E-08
369	0.07	6.5E-08	6.1E+00	1.1E-03	1.0E-03	7.3E-06	1.6E-01	5.5E-02	6.3E-08
370	0.07	6.5E-08	6.2E+00	1.1E-03	1.0E-03	7.3E-06	1.6E-01	5.5E-02	6.3E-08
371	0.06	6.5E-08	6.2E+00	1.1E-03	1.0E-03	7.3E-06	1.6E-01	5.5E-02	6.3E-08
372	0.06	6.4E-08	6.1E+00	1.1E-03	1.0E-03	7.2E-06	1.6E-01	5.5E-02	6.2E-08
373	0.06	6.2E-08	6.0E+00	1.1E-03	1.0E-03	7.1E-06	1.6E-01	5.5E-02	6.1E-08
374	0.06	6.1E-08	5.8E+00	1.1E-03	1.0E-03	6.9E-06	1.6E-01	5.5E-02	5.9E-08
375	0.06	5.9E-08	5.7E+00	1.1E-03	1.0E-03	6.7E-06	1.6E-01	5.5E-02	5.8E-08
376	0.06	5.7E-08	5.5E+00	1.1E-03	1.0E-03	6.5E-06	1.6E-01	5.5E-02	5.6E-08
377	0.02	2.2E-08	1.9E+00	1.1E-03	1.0E-03	2.2E-06	1.6E-01	5.5E-02	1.9E-08
378	0.03	2.5E-08	2.0E+00	1.1E-03	1.0E-03	2.4E-06	1.6E-01	5.5E-02	2.1E-08
379	0.03	3.0E-08	2.2E+00	1.1E-03	1.0E-03	2.6E-06	1.6E-01	5.5E-02	2.2E-08
380	0.03	2.7E-08	2.4E+00	1.1E-03	1.0E-03	2.8E-06	1.6E-01	5.5E-02	2.4E-08
381	0.03	3.0E-08	2.6E+00	1.1E-03	1.0E-03	3.1E-06	1.6E-01	5.5E-02	2.7E-08
382	0.07	7.4E-08	7.0E+00	1.1E-03	1.0E-03	8.2E-06	1.6E-01	5.5E-02	7.1E-08
383	0.08	7.6E-08	7.2E+00	1.1E-03	1.0E-03	8.5E-06	1.6E-01	5.5E-02	7.3E-08
384	0.08	7.7E-08	7.3E+00	1.1E-03	1.0E-03	8.7E-06	1.6E-01	5.5E-02	7.5E-08
385	0.08	7.6E-08	7.3E+00	1.1E-03	1.0E-03	8.6E-06	1.6E-01	5.5E-02	7.4E-08
386	0.07	7.5E-08	7.2E+00	1.1E-03	1.0E-03	8.5E-06	1.6E-01	5.5E-02	7.3E-08
387	0.07	7.3E-08	7.0E+00	1.1E-03	1.0E-03	8.3E-06	1.6E-01	5.5E-02	7.1E-08
388	0.07	7.1E-08	6.8E+00	1.1E-03	1.0E-03	8.0E-06	1.6E-01	5.5E-02	6.9E-08
389	0.07	6.8E-08	6.6E+00	1.1E-03	1.0E-03	7.8E-06	1.6E-01	5.5E-02	6.7E-08
390	0.07	6.5E-08	6.3E+00	1.1E-03	1.0E-03	7.5E-06	1.6E-01	5.5E-02	6.4E-08
391	0.06	6.3E-08	6.1E+00	1.1E-03	1.0E-03	7.2E-06	1.6E-01	5.5E-02	6.2E-08
392	0.02	2.3E-08	2.0E+00	1.1E-03	1.0E-03	2.4E-06	1.6E-01	5.5E-02	2.0E-08
393	0.03	2.7E-08	2.2E+00	1.1E-03	1.0E-03	2.6E-06	1.6E-01	5.5E-02	2.2E-08
394	0.03	3.1E-08	2.4E+00	1.1E-03	1.0E-03	2.8E-06	1.6E-01	5.5E-02	2.4E-08
395	0.03	2.9E-08	2.6E+00	1.1E-03	1.0E-03	3.1E-06	1.6E-01	5.5E-02	2.7E-08
396	0.03	3.3E-08	2.9E+00	1.1E-03	1.0E-03	3.4E-06	1.6E-01	5.5E-02	3.0E-08
397	0.09	9.1E-08	8.6E+00	1.1E-03	1.0E-03	1.0E-05	1.6E-01	5.5E-02	8.8E-08
398	0.09	9.3E-08	8.8E+00	1.1E-03	1.0E-03	1.0E-05	1.6E-01	5.5E-02	9.0E-08
399	0.09	9.2E-08	8.8E+00	1.1E-03	1.0E-03	1.0E-05	1.6E-01	5.5E-02	9.0E-08
400	0.09	9.0E-08	8.7E+00	1.1E-03	1.0E-03	1.0E-05	1.6E-01	5.5E-02	8.8E-08
401	0.09	8.7E-08	8.4E+00	1.1E-03	1.0E-03	9.9E-06	1.6E-01	5.5E-02	8.6E-08
402	0.08	8.4E-08	8.1E+00	1.1E-03	1.0E-03	9.6E-06	1.6E-01	5.5E-02	8.2E-08
403	0.08	8.0E-08	7.7E+00	1.1E-03	1.0E-03	9.1E-06	1.6E-01	5.5E-02	7.9E-08
404	0.08	7.6E-08	7.4E+00	1.1E-03	1.0E-03	8.7E-06	1.6E-01	5.5E-02	7.5E-08
405	0.07	7.3E-08	7.0E+00	1.1E-03	1.0E-03	8.3E-06	1.6E-01	5.5E-02	7.2E-08
406	0.07	6.9E-08	6.7E+00	1.1E-03	1.0E-03	7.9E-06	1.6E-01	5.5E-02	6.8E-08
407	0.02	2.5E-08	2.1E+00	1.1E-03	1.0E-03	2.5E-06	1.6E-01	5.5E-02	2.2E-08

408	0.03	2.7E-08	2.3E+00	1.1E-03	1.0E-03	2.8E-06	1.6E-01	5.5E-02	2.4E-08
409	0.03	3.1E-08	2.6E+00	1.1E-03	1.0E-03	3.0E-06	1.6E-01	5.5E-02	2.6E-08
410	0.04	3.7E-08	2.8E+00	1.1E-03	1.0E-03	3.4E-06	1.6E-01	5.5E-02	2.9E-08
411	0.03	3.5E-08	3.2E+00	1.1E-03	1.0E-03	3.7E-06	1.6E-01	5.5E-02	3.2E-08
412	0.11	1.1E-07	1.1E+01	1.1E-03	1.0E-03	1.3E-05	1.6E-01	5.5E-02	1.1E-07
413	0.11	1.1E-07	1.1E+01	1.1E-03	1.0E-03	1.3E-05	1.6E-01	5.5E-02	1.1E-07
414	0.11	1.1E-07	1.1E+01	1.1E-03	1.0E-03	1.3E-05	1.6E-01	5.5E-02	1.1E-07
415	0.11	1.1E-07	1.0E+01	1.1E-03	1.0E-03	1.2E-05	1.6E-01	5.5E-02	1.0E-07
416	0.10	1.0E-07	9.8E+00	1.1E-03	1.0E-03	1.2E-05	1.6E-01	5.5E-02	1.0E-07
417	0.10	9.6E-08	9.3E+00	1.1E-03	1.0E-03	1.1E-05	1.6E-01	5.5E-02	9.5E-08
418	0.09	9.1E-08	8.8E+00	1.1E-03	1.0E-03	1.0E-05	1.6E-01	5.5E-02	8.9E-08
419	0.09	8.5E-08	8.3E+00	1.1E-03	1.0E-03	9.8E-06	1.6E-01	5.5E-02	8.4E-08
420	0.08	8.0E-08	7.8E+00	1.1E-03	1.0E-03	9.2E-06	1.6E-01	5.5E-02	7.9E-08
421	0.08	7.5E-08	7.3E+00	1.1E-03	1.0E-03	8.7E-06	1.6E-01	5.5E-02	7.5E-08
422	0.03	2.6E-08	2.3E+00	1.1E-03	1.0E-03	2.7E-06	1.6E-01	5.5E-02	2.3E-08
423	0.03	2.9E-08	2.5E+00	1.1E-03	1.0E-03	3.0E-06	1.6E-01	5.5E-02	2.5E-08
424	0.03	3.2E-08	2.8E+00	1.1E-03	1.0E-03	3.3E-06	1.6E-01	5.5E-02	2.8E-08
425	0.04	3.7E-08	3.1E+00	1.1E-03	1.0E-03	3.6E-06	1.6E-01	5.5E-02	3.1E-08
426	0.04	4.3E-08	3.5E+00	1.1E-03	1.0E-03	4.1E-06	1.6E-01	5.5E-02	3.5E-08
427	0.15	1.5E-07	1.4E+01	1.1E-03	1.0E-03	1.7E-05	1.6E-01	5.5E-02	1.4E-07
428	0.14	1.4E-07	1.4E+01	1.1E-03	1.0E-03	1.6E-05	1.6E-01	5.5E-02	1.4E-07
429	0.13	1.3E-07	1.3E+01	1.1E-03	1.0E-03	1.5E-05	1.6E-01	5.5E-02	1.3E-07
430	0.13	1.3E-07	1.2E+01	1.1E-03	1.0E-03	1.4E-05	1.6E-01	5.5E-02	1.2E-07
431	0.12	1.2E-07	1.1E+01	1.1E-03	1.0E-03	1.4E-05	1.6E-01	5.5E-02	1.2E-07
432	0.11	1.1E-07	1.1E+01	1.1E-03	1.0E-03	1.3E-05	1.6E-01	5.5E-02	1.1E-07
433	0.10	1.0E-07	9.9E+00	1.1E-03	1.0E-03	1.2E-05	1.6E-01	5.5E-02	1.0E-07
434	0.09	9.5E-08	9.2E+00	1.1E-03	1.0E-03	1.1E-05	1.6E-01	5.5E-02	9.4E-08
435	0.09	8.8E-08	8.6E+00	1.1E-03	1.0E-03	1.0E-05	1.6E-01	5.5E-02	8.7E-08
436	0.08	8.2E-08	8.0E+00	1.1E-03	1.0E-03	9.5E-06	1.6E-01	5.5E-02	8.1E-08
437	0.03	2.7E-08	2.4E+00	1.1E-03	1.0E-03	2.8E-06	1.6E-01	5.5E-02	2.5E-08
438	0.03	3.0E-08	2.7E+00	1.1E-03	1.0E-03	3.2E-06	1.6E-01	5.5E-02	2.7E-08
439	0.03	3.4E-08	3.0E+00	1.1E-03	1.0E-03	3.5E-06	1.6E-01	5.5E-02	3.0E-08
440	0.04	3.8E-08	3.3E+00	1.1E-03	1.0E-03	4.0E-06	1.6E-01	5.5E-02	3.4E-08
441	0.04	4.4E-08	3.8E+00	1.1E-03	1.0E-03	4.5E-06	1.6E-01	5.5E-02	3.9E-08
442	0.19	1.9E-07	1.9E+01	1.1E-03	1.0E-03	2.2E-05	1.6E-01	5.5E-02	1.9E-07
443	0.18	1.8E-07	1.7E+01	1.1E-03	1.0E-03	2.0E-05	1.6E-01	5.5E-02	1.8E-07
444	0.16	1.6E-07	1.6E+01	1.1E-03	1.0E-03	1.9E-05	1.6E-01	5.5E-02	1.6E-07
445	0.15	1.5E-07	1.4E+01	1.1E-03	1.0E-03	1.7E-05	1.6E-01	5.5E-02	1.5E-07
446	0.14	1.4E-07	1.3E+01	1.1E-03	1.0E-03	1.6E-05	1.6E-01	5.5E-02	1.3E-07
447	0.12	1.2E-07	1.2E+01	1.1E-03	1.0E-03	1.4E-05	1.6E-01	5.5E-02	1.2E-07
448	0.11	1.1E-07	1.1E+01	1.1E-03	1.0E-03	1.3E-05	1.6E-01	5.5E-02	1.1E-07
449	0.10	1.0E-07	1.0E+01	1.1E-03	1.0E-03	1.2E-05	1.6E-01	5.5E-02	1.0E-07
450	0.10	9.6E-08	9.4E+00	1.1E-03	1.0E-03	1.1E-05	1.6E-01	5.5E-02	9.6E-08
451	0.09	8.9E-08	8.7E+00	1.1E-03	1.0E-03	1.0E-05	1.6E-01	5.5E-02	8.8E-08
452	0.03	2.8E-08	2.5E+00	1.1E-03	1.0E-03	3.0E-06	1.6E-01	5.5E-02	2.6E-08
453	0.03	3.1E-08	2.8E+00	1.1E-03	1.0E-03	3.4E-06	1.6E-01	5.5E-02	2.9E-08

454	0.04	3.6E-08	3.2E+00	1.1E-03	1.0E-03	3.8E-06	1.6E-01	5.5E-02	3.3E-08
455	0.04	4.0E-08	3.6E+00	1.1E-03	1.0E-03	4.3E-06	1.6E-01	5.5E-02	3.7E-08
456	0.05	4.7E-08	4.2E+00	1.1E-03	1.0E-03	5.0E-06	1.6E-01	5.5E-02	4.3E-08
457	0.25	2.5E-07	2.5E+01	1.1E-03	1.0E-03	2.9E-05	1.6E-01	5.5E-02	2.5E-07
458	0.22	2.2E-07	2.2E+01	1.1E-03	1.0E-03	2.6E-05	1.6E-01	5.5E-02	2.2E-07
459	0.19	1.9E-07	1.9E+01	1.1E-03	1.0E-03	2.2E-05	1.6E-01	5.5E-02	1.9E-07
460	0.17	1.7E-07	1.7E+01	1.1E-03	1.0E-03	2.0E-05	1.6E-01	5.5E-02	1.7E-07
461	0.15	1.5E-07	1.5E+01	1.1E-03	1.0E-03	1.8E-05	1.6E-01	5.5E-02	1.5E-07
462	0.14	1.4E-07	1.4E+01	1.1E-03	1.0E-03	1.6E-05	1.6E-01	5.5E-02	1.4E-07
463	0.13	1.3E-07	1.2E+01	1.1E-03	1.0E-03	1.5E-05	1.6E-01	5.5E-02	1.3E-07
464	0.12	1.2E-07	1.1E+01	1.1E-03	1.0E-03	1.3E-05	1.6E-01	5.5E-02	1.1E-07
465	0.11	1.1E-07	1.0E+01	1.1E-03	1.0E-03	1.2E-05	1.6E-01	5.5E-02	1.0E-07
466	0.10	9.6E-08	9.4E+00	1.1E-03	1.0E-03	1.1E-05	1.6E-01	5.5E-02	9.5E-08
467	0.03	2.9E-08	2.7E+00	1.1E-03	1.0E-03	3.2E-06	1.6E-01	5.5E-02	2.7E-08
468	0.03	3.3E-08	3.0E+00	1.1E-03	1.0E-03	3.6E-06	1.6E-01	5.5E-02	3.1E-08
469	0.04	3.7E-08	3.4E+00	1.1E-03	1.0E-03	4.0E-06	1.6E-01	5.5E-02	3.5E-08
470	0.04	4.2E-08	3.9E+00	1.1E-03	1.0E-03	4.6E-06	1.6E-01	5.5E-02	4.0E-08
471	0.05	5.0E-08	4.6E+00	1.1E-03	1.0E-03	5.4E-06	1.6E-01	5.5E-02	4.7E-08
472	0.32	3.2E-07	3.1E+01	1.1E-03	1.0E-03	3.7E-05	1.6E-01	5.5E-02	3.2E-07
473	0.27	2.7E-07	2.6E+01	1.1E-03	1.0E-03	3.1E-05	1.6E-01	5.5E-02	2.7E-07
474	0.23	2.3E-07	2.2E+01	1.1E-03	1.0E-03	2.6E-05	1.6E-01	5.5E-02	2.3E-07
475	0.20	2.0E-07	1.9E+01	1.1E-03	1.0E-03	2.3E-05	1.6E-01	5.5E-02	2.0E-07
476	0.17	1.7E-07	1.7E+01	1.1E-03	1.0E-03	2.0E-05	1.6E-01	5.5E-02	1.7E-07
477	0.16	1.6E-07	1.5E+01	1.1E-03	1.0E-03	1.8E-05	1.6E-01	5.5E-02	1.5E-07
478	0.14	1.4E-07	1.4E+01	1.1E-03	1.0E-03	1.6E-05	1.6E-01	5.5E-02	1.4E-07
479	0.13	1.3E-07	1.2E+01	1.1E-03	1.0E-03	1.5E-05	1.6E-01	5.5E-02	1.3E-07
480	0.11	1.1E-07	1.1E+01	1.1E-03	1.0E-03	1.3E-05	1.6E-01	5.5E-02	1.1E-07
481	0.10	1.0E-07	1.0E+01	1.1E-03	1.0E-03	1.2E-05	1.6E-01	5.5E-02	1.0E-07
482	0.03	3.0E-08	2.8E+00	1.1E-03	1.0E-03	3.3E-06	1.6E-01	5.5E-02	2.9E-08
483	0.03	3.4E-08	3.2E+00	1.1E-03	1.0E-03	3.7E-06	1.6E-01	5.5E-02	3.2E-08
484	0.04	3.9E-08	3.6E+00	1.1E-03	1.0E-03	4.3E-06	1.6E-01	5.5E-02	3.7E-08
485	0.04	4.5E-08	4.2E+00	1.1E-03	1.0E-03	5.0E-06	1.6E-01	5.5E-02	4.3E-08
486	0.05	5.3E-08	5.0E+00	1.1E-03	1.0E-03	5.9E-06	1.6E-01	5.5E-02	5.1E-08
487	0.38	3.8E-07	3.8E+01	1.1E-03	1.0E-03	4.5E-05	1.6E-01	5.5E-02	3.8E-07
488	0.31	3.1E-07	3.0E+01	1.1E-03	1.0E-03	3.6E-05	1.6E-01	5.5E-02	3.1E-07
489	0.26	2.6E-07	2.5E+01	1.1E-03	1.0E-03	3.0E-05	1.6E-01	5.5E-02	2.6E-07
490	0.22	2.2E-07	2.2E+01	1.1E-03	1.0E-03	2.6E-05	1.6E-01	5.5E-02	2.2E-07
491	0.19	1.9E-07	1.9E+01	1.1E-03	1.0E-03	2.2E-05	1.6E-01	5.5E-02	1.9E-07
492	0.17	1.7E-07	1.7E+01	1.1E-03	1.0E-03	2.0E-05	1.6E-01	5.5E-02	1.7E-07
493	0.15	1.5E-07	1.5E+01	1.1E-03	1.0E-03	1.8E-05	1.6E-01	5.5E-02	1.5E-07
494	0.14	1.4E-07	1.3E+01	1.1E-03	1.0E-03	1.6E-05	1.6E-01	5.5E-02	1.4E-07
495	0.12	1.2E-07	1.2E+01	1.1E-03	1.0E-03	1.4E-05	1.6E-01	5.5E-02	1.2E-07
496	0.11	1.1E-07	1.1E+01	1.1E-03	1.0E-03	1.3E-05	1.6E-01	5.5E-02	1.1E-07
497	0.03	3.1E-08	2.9E+00	1.1E-03	1.0E-03	3.5E-06	1.6E-01	5.5E-02	3.0E-08
498	0.04	3.5E-08	3.3E+00	1.1E-03	1.0E-03	3.9E-06	1.6E-01	5.5E-02	3.4E-08
499	0.04	4.1E-08	3.8E+00	1.1E-03	1.0E-03	4.5E-06	1.6E-01	5.5E-02	3.9E-08

500	0.05	4.8E-08	4.5E+00	1.1E-03	1.0E-03	5.3E-06	1.6E-01	5.5E-02	4.6E-08
501	0.06	5.7E-08	5.4E+00	1.1E-03	1.0E-03	6.3E-06	1.6E-01	5.5E-02	5.5E-08
502	0.43	4.3E-07	4.2E+01	1.1E-03	1.0E-03	5.0E-05	1.6E-01	5.5E-02	4.3E-07
503	0.35	3.5E-07	3.4E+01	1.1E-03	1.0E-03	4.0E-05	1.6E-01	5.5E-02	3.5E-07
504	0.29	2.9E-07	2.8E+01	1.1E-03	1.0E-03	3.3E-05	1.6E-01	5.5E-02	2.9E-07
505	0.25	2.5E-07	2.4E+01	1.1E-03	1.0E-03	2.8E-05	1.6E-01	5.5E-02	2.4E-07
506	0.21	2.1E-07	2.1E+01	1.1E-03	1.0E-03	2.5E-05	1.6E-01	5.5E-02	2.1E-07
507	0.19	1.9E-07	1.8E+01	1.1E-03	1.0E-03	2.2E-05	1.6E-01	5.5E-02	1.9E-07
508	0.16	1.6E-07	1.6E+01	1.1E-03	1.0E-03	1.9E-05	1.6E-01	5.5E-02	1.6E-07
509	0.15	1.5E-07	1.4E+01	1.1E-03	1.0E-03	1.7E-05	1.6E-01	5.5E-02	1.5E-07
510	0.13	1.3E-07	1.3E+01	1.1E-03	1.0E-03	1.5E-05	1.6E-01	5.5E-02	1.3E-07
511	0.12	1.2E-07	1.1E+01	1.1E-03	1.0E-03	1.3E-05	1.6E-01	5.5E-02	1.2E-07
512	0.03	3.2E-08	3.0E+00	1.1E-03	1.0E-03	3.6E-06	1.6E-01	5.5E-02	3.1E-08
513	0.04	3.6E-08	3.5E+00	1.1E-03	1.0E-03	4.1E-06	1.6E-01	5.5E-02	3.5E-08
514	0.04	4.2E-08	4.0E+00	1.1E-03	1.0E-03	4.7E-06	1.6E-01	5.5E-02	4.1E-08
515	0.05	5.0E-08	4.7E+00	1.1E-03	1.0E-03	5.6E-06	1.6E-01	5.5E-02	4.8E-08
516	0.06	6.0E-08	5.7E+00	1.1E-03	1.0E-03	6.7E-06	1.6E-01	5.5E-02	5.8E-08
517	0.47	4.7E-07	4.6E+01	1.1E-03	1.0E-03	5.5E-05	1.6E-01	5.5E-02	4.7E-07
518	0.38	3.8E-07	3.7E+01	1.1E-03	1.0E-03	4.4E-05	1.6E-01	5.5E-02	3.8E-07
519	0.32	3.2E-07	3.1E+01	1.1E-03	1.0E-03	3.7E-05	1.6E-01	5.5E-02	3.2E-07
520	0.27	2.7E-07	2.6E+01	1.1E-03	1.0E-03	3.1E-05	1.6E-01	5.5E-02	2.7E-07
521	0.23	2.3E-07	2.3E+01	1.1E-03	1.0E-03	2.7E-05	1.6E-01	5.5E-02	2.3E-07
522	0.20	2.0E-07	2.0E+01	1.1E-03	1.0E-03	2.3E-05	1.6E-01	5.5E-02	2.0E-07
523	0.18	1.8E-07	1.7E+01	1.1E-03	1.0E-03	2.0E-05	1.6E-01	5.5E-02	1.8E-07
524	0.16	1.6E-07	1.5E+01	1.1E-03	1.0E-03	1.8E-05	1.6E-01	5.5E-02	1.5E-07
525	0.14	1.4E-07	1.3E+01	1.1E-03	1.0E-03	1.6E-05	1.6E-01	5.5E-02	1.4E-07
526	0.12	1.2E-07	1.2E+01	1.1E-03	1.0E-03	1.4E-05	1.6E-01	5.5E-02	1.2E-07
527	0.03	3.3E-08	3.1E+00	1.1E-03	1.0E-03	3.7E-06	1.6E-01	5.5E-02	3.2E-08
528	0.04	3.7E-08	3.6E+00	1.1E-03	1.0E-03	4.2E-06	1.6E-01	5.5E-02	3.6E-08
529	0.04	4.4E-08	4.2E+00	1.1E-03	1.0E-03	4.9E-06	1.6E-01	5.5E-02	4.2E-08
530	0.05	5.2E-08	5.0E+00	1.1E-03	1.0E-03	5.9E-06	1.6E-01	5.5E-02	5.0E-08
531	0.06	6.3E-08	6.0E+00	1.1E-03	1.0E-03	7.1E-06	1.6E-01	5.5E-02	6.1E-08
532	0.51	5.1E-07	5.0E+01	1.1E-03	1.0E-03	5.9E-05	1.6E-01	5.5E-02	5.1E-07
533	0.42	4.2E-07	4.1E+01	1.1E-03	1.0E-03	4.8E-05	1.6E-01	5.5E-02	4.2E-07
534	0.34	3.4E-07	3.4E+01	1.1E-03	1.0E-03	4.0E-05	1.6E-01	5.5E-02	3.4E-07
535	0.29	2.9E-07	2.8E+01	1.1E-03	1.0E-03	3.3E-05	1.6E-01	5.5E-02	2.9E-07
536	0.25	2.5E-07	2.4E+01	1.1E-03	1.0E-03	2.9E-05	1.6E-01	5.5E-02	2.5E-07
537	0.21	2.1E-07	2.1E+01	1.1E-03	1.0E-03	2.5E-05	1.6E-01	5.5E-02	2.1E-07
538	0.19	1.9E-07	1.8E+01	1.1E-03	1.0E-03	2.2E-05	1.6E-01	5.5E-02	1.9E-07
539	0.16	1.6E-07	1.6E+01	1.1E-03	1.0E-03	1.9E-05	1.6E-01	5.5E-02	1.6E-07
540	0.14	1.4E-07	1.4E+01	1.1E-03	1.0E-03	1.6E-05	1.6E-01	5.5E-02	1.4E-07
541	0.12	1.2E-07	1.2E+01	1.1E-03	1.0E-03	1.4E-05	1.6E-01	5.5E-02	1.2E-07
542	0.03	3.3E-08	3.2E+00	1.1E-03	1.0E-03	3.8E-06	1.6E-01	5.5E-02	3.2E-08
543	0.04	3.8E-08	3.7E+00	1.1E-03	1.0E-03	4.3E-06	1.6E-01	5.5E-02	3.7E-08
544	0.04	4.5E-08	4.3E+00	1.1E-03	1.0E-03	5.1E-06	1.6E-01	5.5E-02	4.4E-08
545	0.05	5.3E-08	5.1E+00	1.1E-03	1.0E-03	6.1E-06	1.6E-01	5.5E-02	5.2E-08

546	0.06	6.5E-08	6.3E+00	1.1E-03	1.0E-03	7.4E-06	1.6E-01	5.5E-02	6.4E-08
547	0.57	5.7E-07	5.6E+01	1.1E-03	1.0E-03	6.6E-05	1.6E-01	5.5E-02	5.7E-07
548	0.46	4.6E-07	4.5E+01	1.1E-03	1.0E-03	5.3E-05	1.6E-01	5.5E-02	4.6E-07
549	0.38	3.8E-07	3.7E+01	1.1E-03	1.0E-03	4.4E-05	1.6E-01	5.5E-02	3.8E-07
550	0.31	3.1E-07	3.1E+01	1.1E-03	1.0E-03	3.6E-05	1.6E-01	5.5E-02	3.1E-07
551	0.26	2.6E-07	2.5E+01	1.1E-03	1.0E-03	3.0E-05	1.6E-01	5.5E-02	2.6E-07
552	0.22	2.2E-07	2.1E+01	1.1E-03	1.0E-03	2.5E-05	1.6E-01	5.5E-02	2.2E-07
553	0.19	1.9E-07	1.9E+01	1.1E-03	1.0E-03	2.2E-05	1.6E-01	5.5E-02	1.9E-07
554	0.16	1.6E-07	1.6E+01	1.1E-03	1.0E-03	1.9E-05	1.6E-01	5.5E-02	1.6E-07
555	0.14	1.4E-07	1.4E+01	1.1E-03	1.0E-03	1.7E-05	1.6E-01	5.5E-02	1.4E-07
556	0.12	1.2E-07	1.2E+01	1.1E-03	1.0E-03	1.4E-05	1.6E-01	5.5E-02	1.2E-07
557	0.03	3.4E-08	3.2E+00	1.1E-03	1.0E-03	3.8E-06	1.6E-01	5.5E-02	3.3E-08
558	0.04	3.9E-08	3.7E+00	1.1E-03	1.0E-03	4.4E-06	1.6E-01	5.5E-02	3.8E-08
559	0.05	4.6E-08	4.4E+00	1.1E-03	1.0E-03	5.2E-06	1.6E-01	5.5E-02	4.5E-08
560	0.05	5.5E-08	5.3E+00	1.1E-03	1.0E-03	6.2E-06	1.6E-01	5.5E-02	5.4E-08
561	0.07	6.6E-08	6.4E+00	1.1E-03	1.0E-03	7.6E-06	1.6E-01	5.5E-02	6.5E-08
562	0.52	5.2E-07	5.1E+01	1.1E-03	1.0E-03	6.0E-05	1.6E-01	5.5E-02	5.2E-07
563	0.42	4.2E-07	4.1E+01	1.1E-03	1.0E-03	4.9E-05	1.6E-01	5.5E-02	4.2E-07
564	0.34	3.4E-07	3.3E+01	1.1E-03	1.0E-03	3.9E-05	1.6E-01	5.5E-02	3.4E-07
565	0.26	2.6E-07	2.5E+01	1.1E-03	1.0E-03	3.0E-05	1.6E-01	5.5E-02	2.6E-07
566	0.22	2.2E-07	2.1E+01	1.1E-03	1.0E-03	2.5E-05	1.6E-01	5.5E-02	2.2E-07
567	0.18	1.8E-07	1.8E+01	1.1E-03	1.0E-03	2.1E-05	1.6E-01	5.5E-02	1.8E-07
568	0.16	1.6E-07	1.5E+01	1.1E-03	1.0E-03	1.8E-05	1.6E-01	5.5E-02	1.6E-07
569	0.14	1.4E-07	1.3E+01	1.1E-03	1.0E-03	1.6E-05	1.6E-01	5.5E-02	1.4E-07
570	0.12	1.2E-07	1.2E+01	1.1E-03	1.0E-03	1.4E-05	1.6E-01	5.5E-02	1.2E-07
571	0.03	3.4E-08	3.3E+00	1.1E-03	1.0E-03	3.8E-06	1.6E-01	5.5E-02	3.3E-08
572	0.04	3.9E-08	3.8E+00	1.1E-03	1.0E-03	4.5E-06	1.6E-01	5.5E-02	3.9E-08
573	0.05	4.6E-08	4.4E+00	1.1E-03	1.0E-03	5.3E-06	1.6E-01	5.5E-02	4.5E-08
574	0.06	5.5E-08	5.4E+00	1.1E-03	1.0E-03	6.3E-06	1.6E-01	5.5E-02	5.5E-08
575	0.07	6.7E-08	6.5E+00	1.1E-03	1.0E-03	7.7E-06	1.6E-01	5.5E-02	6.6E-08
576	0.48	4.8E-07	4.7E+01	1.1E-03	1.0E-03	5.6E-05	1.6E-01	5.5E-02	4.8E-07
577	0.38	3.8E-07	3.8E+01	1.1E-03	1.0E-03	4.5E-05	1.6E-01	5.5E-02	3.8E-07
578	0.30	3.0E-07	2.9E+01	1.1E-03	1.0E-03	3.4E-05	1.6E-01	5.5E-02	3.0E-07
579	0.24	2.4E-07	2.4E+01	1.1E-03	1.0E-03	2.8E-05	1.6E-01	5.5E-02	2.4E-07
580	0.20	2.0E-07	2.0E+01	1.1E-03	1.0E-03	2.3E-05	1.6E-01	5.5E-02	2.0E-07
581	0.16	1.6E-07	1.6E+01	1.1E-03	1.0E-03	1.9E-05	1.6E-01	5.5E-02	1.6E-07
582	0.14	1.4E-07	1.3E+01	1.1E-03	1.0E-03	1.6E-05	1.6E-01	5.5E-02	1.4E-07
583	0.12	1.2E-07	1.1E+01	1.1E-03	1.0E-03	1.3E-05	1.6E-01	5.5E-02	1.2E-07
584	0.03	3.4E-08	3.3E+00	1.1E-03	1.0E-03	3.8E-06	1.6E-01	5.5E-02	3.3E-08
585	0.04	3.9E-08	3.8E+00	1.1E-03	1.0E-03	4.5E-06	1.6E-01	5.5E-02	3.9E-08
586	0.05	4.6E-08	4.5E+00	1.1E-03	1.0E-03	5.3E-06	1.6E-01	5.5E-02	4.6E-08
587	0.06	5.5E-08	5.4E+00	1.1E-03	1.0E-03	6.3E-06	1.6E-01	5.5E-02	5.4E-08
588	0.07	6.7E-08	6.5E+00	1.1E-03	1.0E-03	7.7E-06	1.6E-01	5.5E-02	6.6E-08
589	0.45	4.5E-07	4.4E+01	1.1E-03	1.0E-03	5.3E-05	1.6E-01	5.5E-02	4.5E-07
590	0.36	3.6E-07	3.5E+01	1.1E-03	1.0E-03	4.2E-05	1.6E-01	5.5E-02	3.6E-07
591	0.28	2.8E-07	2.8E+01	1.1E-03	1.0E-03	3.3E-05	1.6E-01	5.5E-02	2.8E-07

592	0.22	2.2E-07	2.2E+01	1.1E-03	1.0E-03	2.6E-05	1.6E-01	5.5E-02	2.2E-07
593	0.18	1.8E-07	1.8E+01	1.1E-03	1.0E-03	2.1E-05	1.6E-01	5.5E-02	1.8E-07
594	0.15	1.5E-07	1.4E+01	1.1E-03	1.0E-03	1.7E-05	1.6E-01	5.5E-02	1.5E-07
595	0.12	1.2E-07	1.2E+01	1.1E-03	1.0E-03	1.4E-05	1.6E-01	5.5E-02	1.2E-07
596	0.03	3.3E-08	3.2E+00	1.1E-03	1.0E-03	3.8E-06	1.6E-01	5.5E-02	3.3E-08
597	0.04	3.9E-08	3.8E+00	1.1E-03	1.0E-03	4.5E-06	1.6E-01	5.5E-02	3.8E-08
598	0.05	4.6E-08	4.4E+00	1.1E-03	1.0E-03	5.2E-06	1.6E-01	5.5E-02	4.5E-08
599	0.05	5.4E-08	5.3E+00	1.1E-03	1.0E-03	6.2E-06	1.6E-01	5.5E-02	5.4E-08
600	0.07	6.6E-08	6.4E+00	1.1E-03	1.0E-03	7.6E-06	1.6E-01	5.5E-02	6.5E-08
601	0.38	3.8E-07	3.8E+01	1.1E-03	1.0E-03	4.5E-05	1.6E-01	5.5E-02	3.8E-07
602	0.29	2.9E-07	2.9E+01	1.1E-03	1.0E-03	3.4E-05	1.6E-01	5.5E-02	2.9E-07
603	0.23	2.3E-07	2.2E+01	1.1E-03	1.0E-03	2.6E-05	1.6E-01	5.5E-02	2.3E-07
604	0.18	1.8E-07	1.8E+01	1.1E-03	1.0E-03	2.1E-05	1.6E-01	5.5E-02	1.8E-07
605	0.15	1.5E-07	1.5E+01	1.1E-03	1.0E-03	1.7E-05	1.6E-01	5.5E-02	1.5E-07
606	0.12	1.2E-07	1.2E+01	1.1E-03	1.0E-03	1.4E-05	1.6E-01	5.5E-02	1.2E-07
607	0.03	3.3E-08	3.2E+00	1.1E-03	1.0E-03	3.8E-06	1.6E-01	5.5E-02	3.2E-08
608	0.04	3.8E-08	3.7E+00	1.1E-03	1.0E-03	4.4E-06	1.6E-01	5.5E-02	3.8E-08
609	0.04	4.5E-08	4.3E+00	1.1E-03	1.0E-03	5.1E-06	1.6E-01	5.5E-02	4.4E-08
610	0.05	5.3E-08	5.2E+00	1.1E-03	1.0E-03	6.1E-06	1.6E-01	5.5E-02	5.3E-08
611	0.06	6.4E-08	6.2E+00	1.1E-03	1.0E-03	7.4E-06	1.6E-01	5.5E-02	6.4E-08
612	0.39	3.9E-07	3.8E+01	1.1E-03	1.0E-03	4.5E-05	1.6E-01	5.5E-02	3.9E-07
613	0.29	2.9E-07	2.8E+01	1.1E-03	1.0E-03	3.4E-05	1.6E-01	5.5E-02	2.9E-07
614	0.22	2.2E-07	2.2E+01	1.1E-03	1.0E-03	2.6E-05	1.6E-01	5.5E-02	2.2E-07
615	0.18	1.8E-07	1.7E+01	1.1E-03	1.0E-03	2.0E-05	1.6E-01	5.5E-02	1.8E-07
616	0.14	1.4E-07	1.4E+01	1.1E-03	1.0E-03	1.7E-05	1.6E-01	5.5E-02	1.4E-07
617	0.12	1.2E-07	1.1E+01	1.1E-03	1.0E-03	1.3E-05	1.6E-01	5.5E-02	1.2E-07
618	0.03	3.2E-08	3.1E+00	1.1E-03	1.0E-03	3.7E-06	1.6E-01	5.5E-02	3.2E-08
619	0.04	3.7E-08	3.6E+00	1.1E-03	1.0E-03	4.2E-06	1.6E-01	5.5E-02	3.7E-08
620	0.04	4.3E-08	4.2E+00	1.1E-03	1.0E-03	5.0E-06	1.6E-01	5.5E-02	4.3E-08
621	0.05	5.1E-08	5.0E+00	1.1E-03	1.0E-03	5.9E-06	1.6E-01	5.5E-02	5.1E-08
622	0.06	6.2E-08	6.0E+00	1.1E-03	1.0E-03	7.1E-06	1.6E-01	5.5E-02	6.1E-08
623	0.37	3.7E-07	3.6E+01	1.1E-03	1.0E-03	4.3E-05	1.6E-01	5.5E-02	3.7E-07
624	0.27	2.7E-07	2.6E+01	1.1E-03	1.0E-03	3.1E-05	1.6E-01	5.5E-02	2.7E-07
625	0.21	2.1E-07	2.0E+01	1.1E-03	1.0E-03	2.4E-05	1.6E-01	5.5E-02	2.1E-07
626	0.16	1.6E-07	1.6E+01	1.1E-03	1.0E-03	1.9E-05	1.6E-01	5.5E-02	1.6E-07
627	0.14	1.4E-07	1.3E+01	1.1E-03	1.0E-03	1.6E-05	1.6E-01	5.5E-02	1.3E-07
628	0.11	1.1E-07	1.1E+01	1.1E-03	1.0E-03	1.3E-05	1.6E-01	5.5E-02	1.1E-07
629	0.03	3.1E-08	3.0E+00	1.1E-03	1.0E-03	3.6E-06	1.6E-01	5.5E-02	3.1E-08
630	0.04	3.6E-08	3.5E+00	1.1E-03	1.0E-03	4.1E-06	1.6E-01	5.5E-02	3.5E-08
631	0.04	4.1E-08	4.0E+00	1.1E-03	1.0E-03	4.8E-06	1.6E-01	5.5E-02	4.1E-08
632	0.05	4.9E-08	4.7E+00	1.1E-03	1.0E-03	5.6E-06	1.6E-01	5.5E-02	4.8E-08
633	0.06	5.8E-08	5.7E+00	1.1E-03	1.0E-03	6.7E-06	1.6E-01	5.5E-02	5.8E-08
634	0.32	3.2E-07	3.1E+01	1.1E-03	1.0E-03	3.7E-05	1.6E-01	5.5E-02	3.2E-07
635	0.24	2.4E-07	2.3E+01	1.1E-03	1.0E-03	2.8E-05	1.6E-01	5.5E-02	2.4E-07
636	0.19	1.9E-07	1.8E+01	1.1E-03	1.0E-03	2.2E-05	1.6E-01	5.5E-02	1.9E-07
637	0.15	1.5E-07	1.5E+01	1.1E-03	1.0E-03	1.7E-05	1.6E-01	5.5E-02	1.5E-07

638	0.12	1.2E-07	1.2E+01	1.1E-03	1.0E-03	1.4E-05	1.6E-01	5.5E-02	1.2E-07
639	0.10	1.0E-07	1.0E+01	1.1E-03	1.0E-03	1.2E-05	1.6E-01	5.5E-02	1.0E-07
640	0.03	3.0E-08	2.9E+00	1.1E-03	1.0E-03	3.4E-06	1.6E-01	5.5E-02	3.0E-08
641	0.03	3.4E-08	3.3E+00	1.1E-03	1.0E-03	3.9E-06	1.6E-01	5.5E-02	3.4E-08
642	0.04	4.0E-08	3.9E+00	1.1E-03	1.0E-03	4.6E-06	1.6E-01	5.5E-02	3.9E-08
643	0.05	4.6E-08	4.5E+00	1.1E-03	1.0E-03	5.3E-06	1.6E-01	5.5E-02	4.6E-08
644	0.06	5.5E-08	5.4E+00	1.1E-03	1.0E-03	6.4E-06	1.6E-01	5.5E-02	5.5E-08
645	0.25	2.5E-07	2.5E+01	1.1E-03	1.0E-03	2.9E-05	1.6E-01	5.5E-02	2.5E-07
646	0.20	2.0E-07	2.0E+01	1.1E-03	1.0E-03	2.3E-05	1.6E-01	5.5E-02	2.0E-07
647	0.16	1.6E-07	1.6E+01	1.1E-03	1.0E-03	1.9E-05	1.6E-01	5.5E-02	1.6E-07
648	0.13	1.3E-07	1.3E+01	1.1E-03	1.0E-03	1.6E-05	1.6E-01	5.5E-02	1.3E-07
649	0.11	1.1E-07	1.1E+01	1.1E-03	1.0E-03	1.3E-05	1.6E-01	5.5E-02	1.1E-07
650	0.10	9.6E-08	9.4E+00	1.1E-03	1.0E-03	1.1E-05	1.6E-01	5.5E-02	9.6E-08
651	0.03	2.9E-08	2.8E+00	1.1E-03	1.0E-03	3.3E-06	1.6E-01	5.5E-02	2.8E-08
652	0.03	3.3E-08	3.2E+00	1.1E-03	1.0E-03	3.8E-06	1.6E-01	5.5E-02	3.3E-08
653	0.04	3.8E-08	3.7E+00	1.1E-03	1.0E-03	4.4E-06	1.6E-01	5.5E-02	3.7E-08
654	0.04	4.4E-08	4.3E+00	1.1E-03	1.0E-03	5.1E-06	1.6E-01	5.5E-02	4.4E-08
655	0.05	5.2E-08	5.1E+00	1.1E-03	1.0E-03	6.0E-06	1.6E-01	5.5E-02	5.1E-08
656	0.06	6.2E-08	6.0E+00	1.1E-03	1.0E-03	7.1E-06	1.6E-01	5.5E-02	6.1E-08
657	0.07	7.5E-08	7.3E+00	1.1E-03	1.0E-03	8.6E-06	1.6E-01	5.5E-02	7.4E-08
658	0.09	9.3E-08	9.1E+00	1.1E-03	1.0E-03	1.1E-05	1.6E-01	5.5E-02	9.3E-08
659	0.12	1.2E-07	1.2E+01	1.1E-03	1.0E-03	1.4E-05	1.6E-01	5.5E-02	1.2E-07
660	0.15	1.5E-07	1.5E+01	1.1E-03	1.0E-03	1.8E-05	1.6E-01	5.5E-02	1.5E-07
661	0.20	2.0E-07	1.9E+01	1.1E-03	1.0E-03	2.3E-05	1.6E-01	5.5E-02	2.0E-07
662	0.25	2.5E-07	2.4E+01	1.1E-03	1.0E-03	2.9E-05	1.6E-01	5.5E-02	2.5E-07
663	0.29	2.9E-07	2.9E+01	1.1E-03	1.0E-03	3.4E-05	1.6E-01	5.5E-02	2.9E-07
664	0.33	3.3E-07	3.2E+01	1.1E-03	1.0E-03	3.8E-05	1.6E-01	5.5E-02	3.3E-07
665	0.35	3.5E-07	3.4E+01	1.1E-03	1.0E-03	4.0E-05	1.6E-01	5.5E-02	3.5E-07
666	0.35	3.5E-07	3.5E+01	1.1E-03	1.0E-03	4.1E-05	1.6E-01	5.5E-02	3.5E-07
667	0.35	3.5E-07	3.4E+01	1.1E-03	1.0E-03	4.0E-05	1.6E-01	5.5E-02	3.5E-07
668	0.33	3.3E-07	3.2E+01	1.1E-03	1.0E-03	3.8E-05	1.6E-01	5.5E-02	3.3E-07
669	0.29	2.9E-07	2.9E+01	1.1E-03	1.0E-03	3.4E-05	1.6E-01	5.5E-02	2.9E-07
670	0.24	2.4E-07	2.4E+01	1.1E-03	1.0E-03	2.8E-05	1.6E-01	5.5E-02	2.4E-07
671	0.20	2.0E-07	2.0E+01	1.1E-03	1.0E-03	2.3E-05	1.6E-01	5.5E-02	2.0E-07
672	0.17	1.7E-07	1.6E+01	1.1E-03	1.0E-03	1.9E-05	1.6E-01	5.5E-02	1.7E-07
673	0.14	1.4E-07	1.4E+01	1.1E-03	1.0E-03	1.6E-05	1.6E-01	5.5E-02	1.4E-07
674	0.12	1.2E-07	1.2E+01	1.1E-03	1.0E-03	1.4E-05	1.6E-01	5.5E-02	1.2E-07
675	0.10	1.0E-07	9.9E+00	1.1E-03	1.0E-03	1.2E-05	1.6E-01	5.5E-02	1.0E-07
676	0.09	8.7E-08	8.6E+00	1.1E-03	1.0E-03	1.0E-05	1.6E-01	5.5E-02	8.7E-08
677	0.03	2.7E-08	2.7E+00	1.1E-03	1.0E-03	3.1E-06	1.6E-01	5.5E-02	2.7E-08
678	0.03	3.1E-08	3.0E+00	1.1E-03	1.0E-03	3.6E-06	1.6E-01	5.5E-02	3.1E-08
679	0.04	3.6E-08	3.5E+00	1.1E-03	1.0E-03	4.1E-06	1.6E-01	5.5E-02	3.5E-08
680	0.04	4.1E-08	4.0E+00	1.1E-03	1.0E-03	4.7E-06	1.6E-01	5.5E-02	4.0E-08
681	0.05	4.8E-08	4.7E+00	1.1E-03	1.0E-03	5.5E-06	1.6E-01	5.5E-02	4.7E-08
682	0.06	5.6E-08	5.5E+00	1.1E-03	1.0E-03	6.5E-06	1.6E-01	5.5E-02	5.6E-08
683	0.07	6.7E-08	6.5E+00	1.1E-03	1.0E-03	7.7E-06	1.6E-01	5.5E-02	6.7E-08

684	0.08	8.2E-08	8.0E+00	1.1E-03	1.0E-03	9.4E-06	1.6E-01	5.5E-02	8.1E-08
685	0.10	1.0E-07	9.8E+00	1.1E-03	1.0E-03	1.2E-05	1.6E-01	5.5E-02	1.0E-07
686	0.12	1.2E-07	1.2E+01	1.1E-03	1.0E-03	1.4E-05	1.6E-01	5.5E-02	1.2E-07
687	0.15	1.5E-07	1.5E+01	1.1E-03	1.0E-03	1.8E-05	1.6E-01	5.5E-02	1.5E-07
688	0.18	1.8E-07	1.8E+01	1.1E-03	1.0E-03	2.1E-05	1.6E-01	5.5E-02	1.8E-07
689	0.21	2.1E-07	2.1E+01	1.1E-03	1.0E-03	2.4E-05	1.6E-01	5.5E-02	2.1E-07
690	0.23	2.3E-07	2.3E+01	1.1E-03	1.0E-03	2.7E-05	1.6E-01	5.5E-02	2.3E-07
691	0.25	2.5E-07	2.4E+01	1.1E-03	1.0E-03	2.8E-05	1.6E-01	5.5E-02	2.4E-07
692	0.25	2.5E-07	2.5E+01	1.1E-03	1.0E-03	2.9E-05	1.6E-01	5.5E-02	2.5E-07
693	0.25	2.5E-07	2.4E+01	1.1E-03	1.0E-03	2.9E-05	1.6E-01	5.5E-02	2.5E-07
694	0.23	2.3E-07	2.3E+01	1.1E-03	1.0E-03	2.7E-05	1.6E-01	5.5E-02	2.3E-07
695	0.21	2.1E-07	2.1E+01	1.1E-03	1.0E-03	2.5E-05	1.6E-01	5.5E-02	2.1E-07
696	0.19	1.9E-07	1.9E+01	1.1E-03	1.0E-03	2.2E-05	1.6E-01	5.5E-02	1.9E-07
697	0.16	1.6E-07	1.6E+01	1.1E-03	1.0E-03	1.9E-05	1.6E-01	5.5E-02	1.6E-07
698	0.14	1.4E-07	1.4E+01	1.1E-03	1.0E-03	1.6E-05	1.6E-01	5.5E-02	1.4E-07
699	0.12	1.2E-07	1.2E+01	1.1E-03	1.0E-03	1.4E-05	1.6E-01	5.5E-02	1.2E-07
700	0.10	1.0E-07	1.0E+01	1.1E-03	1.0E-03	1.2E-05	1.6E-01	5.5E-02	1.0E-07
701	0.09	9.1E-08	8.9E+00	1.1E-03	1.0E-03	1.0E-05	1.6E-01	5.5E-02	9.0E-08
702	0.08	7.9E-08	7.8E+00	1.1E-03	1.0E-03	9.2E-06	1.6E-01	5.5E-02	7.9E-08
703	0.03	2.6E-08	2.5E+00	1.1E-03	1.0E-03	3.0E-06	1.6E-01	5.5E-02	2.6E-08
704	0.03	2.9E-08	2.9E+00	1.1E-03	1.0E-03	3.4E-06	1.6E-01	5.5E-02	2.9E-08
705	0.03	3.3E-08	3.2E+00	1.1E-03	1.0E-03	3.8E-06	1.6E-01	5.5E-02	3.3E-08
706	0.04	3.8E-08	3.7E+00	1.1E-03	1.0E-03	4.4E-06	1.6E-01	5.5E-02	3.8E-08
707	0.04	4.4E-08	4.3E+00	1.1E-03	1.0E-03	5.1E-06	1.6E-01	5.5E-02	4.4E-08
708	0.05	5.1E-08	5.0E+00	1.1E-03	1.0E-03	5.9E-06	1.6E-01	5.5E-02	5.1E-08
709	0.06	6.0E-08	5.9E+00	1.1E-03	1.0E-03	7.0E-06	1.6E-01	5.5E-02	6.0E-08
710	0.07	7.2E-08	7.1E+00	1.1E-03	1.0E-03	8.3E-06	1.6E-01	5.5E-02	7.2E-08
711	0.09	8.6E-08	8.4E+00	1.1E-03	1.0E-03	9.9E-06	1.6E-01	5.5E-02	8.5E-08
712	0.10	1.0E-07	1.0E+01	1.1E-03	1.0E-03	1.2E-05	1.6E-01	5.5E-02	1.0E-07
713	0.12	1.2E-07	1.2E+01	1.1E-03	1.0E-03	1.4E-05	1.6E-01	5.5E-02	1.2E-07
714	0.14	1.4E-07	1.4E+01	1.1E-03	1.0E-03	1.6E-05	1.6E-01	5.5E-02	1.4E-07
715	0.16	1.6E-07	1.6E+01	1.1E-03	1.0E-03	1.8E-05	1.6E-01	5.5E-02	1.6E-07
716	0.17	1.7E-07	1.7E+01	1.1E-03	1.0E-03	2.0E-05	1.6E-01	5.5E-02	1.7E-07
717	0.18	1.8E-07	1.8E+01	1.1E-03	1.0E-03	2.1E-05	1.6E-01	5.5E-02	1.8E-07
718	0.19	1.9E-07	1.8E+01	1.1E-03	1.0E-03	2.2E-05	1.6E-01	5.5E-02	1.9E-07
719	0.18	1.8E-07	1.8E+01	1.1E-03	1.0E-03	2.1E-05	1.6E-01	5.5E-02	1.8E-07
720	0.18	1.8E-07	1.7E+01	1.1E-03	1.0E-03	2.1E-05	1.6E-01	5.5E-02	1.8E-07
721	0.17	1.7E-07	1.6E+01	1.1E-03	1.0E-03	1.9E-05	1.6E-01	5.5E-02	1.7E-07
722	0.15	1.5E-07	1.5E+01	1.1E-03	1.0E-03	1.7E-05	1.6E-01	5.5E-02	1.5E-07
723	0.13	1.3E-07	1.3E+01	1.1E-03	1.0E-03	1.5E-05	1.6E-01	5.5E-02	1.3E-07
724	0.12	1.2E-07	1.2E+01	1.1E-03	1.0E-03	1.4E-05	1.6E-01	5.5E-02	1.2E-07
725	0.10	1.0E-07	1.0E+01	1.1E-03	1.0E-03	1.2E-05	1.6E-01	5.5E-02	1.0E-07
726	0.09	9.2E-08	9.0E+00	1.1E-03	1.0E-03	1.1E-05	1.6E-01	5.5E-02	9.2E-08
727	0.08	8.1E-08	7.9E+00	1.1E-03	1.0E-03	9.4E-06	1.6E-01	5.5E-02	8.1E-08
728	0.07	7.2E-08	7.0E+00	1.1E-03	1.0E-03	8.3E-06	1.6E-01	5.5E-02	7.2E-08
729	0.02	2.5E-08	2.4E+00	1.1E-03	1.0E-03	2.8E-06	1.6E-01	5.5E-02	2.4E-08

730	0.03	2.8E-08	2.7E+00	1.1E-03	1.0E-03	3.2E-06	1.6E-01	5.5E-02	2.7E-08
731	0.03	3.1E-08	3.0E+00	1.1E-03	1.0E-03	3.6E-06	1.6E-01	5.5E-02	3.1E-08
732	0.04	3.5E-08	3.5E+00	1.1E-03	1.0E-03	4.1E-06	1.6E-01	5.5E-02	3.5E-08
733	0.04	4.0E-08	3.9E+00	1.1E-03	1.0E-03	4.7E-06	1.6E-01	5.5E-02	4.0E-08
734	0.05	4.7E-08	4.6E+00	1.1E-03	1.0E-03	5.4E-06	1.6E-01	5.5E-02	4.6E-08
735	0.05	5.4E-08	5.3E+00	1.1E-03	1.0E-03	6.3E-06	1.6E-01	5.5E-02	5.4E-08
736	0.06	6.4E-08	6.2E+00	1.1E-03	1.0E-03	7.3E-06	1.6E-01	5.5E-02	6.3E-08
737	0.07	7.4E-08	7.2E+00	1.1E-03	1.0E-03	8.5E-06	1.6E-01	5.5E-02	7.3E-08
738	0.09	8.6E-08	8.4E+00	1.1E-03	1.0E-03	9.9E-06	1.6E-01	5.5E-02	8.6E-08
739	0.10	9.9E-08	9.6E+00	1.1E-03	1.0E-03	1.1E-05	1.6E-01	5.5E-02	9.8E-08
740	0.11	1.1E-07	1.1E+01	1.1E-03	1.0E-03	1.3E-05	1.6E-01	5.5E-02	1.1E-07
741	0.12	1.2E-07	1.2E+01	1.1E-03	1.0E-03	1.4E-05	1.6E-01	5.5E-02	1.2E-07
742	0.13	1.3E-07	1.3E+01	1.1E-03	1.0E-03	1.5E-05	1.6E-01	5.5E-02	1.3E-07
743	0.14	1.4E-07	1.4E+01	1.1E-03	1.0E-03	1.6E-05	1.6E-01	5.5E-02	1.4E-07
744	0.14	1.4E-07	1.4E+01	1.1E-03	1.0E-03	1.7E-05	1.6E-01	5.5E-02	1.4E-07
745	0.14	1.4E-07	1.4E+01	1.1E-03	1.0E-03	1.7E-05	1.6E-01	5.5E-02	1.4E-07
746	0.14	1.4E-07	1.4E+01	1.1E-03	1.0E-03	1.6E-05	1.6E-01	5.5E-02	1.4E-07
747	0.13	1.3E-07	1.3E+01	1.1E-03	1.0E-03	1.5E-05	1.6E-01	5.5E-02	1.3E-07
748	0.12	1.2E-07	1.2E+01	1.1E-03	1.0E-03	1.4E-05	1.6E-01	5.5E-02	1.2E-07
749	0.11	1.1E-07	1.1E+01	1.1E-03	1.0E-03	1.3E-05	1.6E-01	5.5E-02	1.1E-07
750	0.10	1.0E-07	9.9E+00	1.1E-03	1.0E-03	1.2E-05	1.6E-01	5.5E-02	1.0E-07
751	0.09	9.1E-08	8.9E+00	1.1E-03	1.0E-03	1.0E-05	1.6E-01	5.5E-02	9.0E-08
752	0.08	8.1E-08	7.9E+00	1.1E-03	1.0E-03	9.4E-06	1.6E-01	5.5E-02	8.1E-08
753	0.07	7.3E-08	7.1E+00	1.1E-03	1.0E-03	8.4E-06	1.6E-01	5.5E-02	7.2E-08
754	0.07	6.5E-08	6.4E+00	1.1E-03	1.0E-03	7.5E-06	1.6E-01	5.5E-02	6.5E-08
755	0.02	2.3E-08	2.3E+00	1.1E-03	1.0E-03	2.7E-06	1.6E-01	5.5E-02	2.3E-08
756	0.03	2.6E-08	2.5E+00	1.1E-03	1.0E-03	3.0E-06	1.6E-01	5.5E-02	2.6E-08
757	0.03	2.9E-08	2.8E+00	1.1E-03	1.0E-03	3.3E-06	1.6E-01	5.5E-02	2.9E-08
758	0.03	3.3E-08	3.2E+00	1.1E-03	1.0E-03	3.8E-06	1.6E-01	5.5E-02	3.2E-08
759	0.04	3.7E-08	3.6E+00	1.1E-03	1.0E-03	4.3E-06	1.6E-01	5.5E-02	3.7E-08
760	0.04	4.2E-08	4.1E+00	1.1E-03	1.0E-03	4.9E-06	1.6E-01	5.5E-02	4.2E-08
761	0.05	4.9E-08	4.7E+00	1.1E-03	1.0E-03	5.6E-06	1.6E-01	5.5E-02	4.8E-08
762	0.06	5.6E-08	5.5E+00	1.1E-03	1.0E-03	6.4E-06	1.6E-01	5.5E-02	5.6E-08
763	0.06	6.4E-08	6.2E+00	1.1E-03	1.0E-03	7.4E-06	1.6E-01	5.5E-02	6.3E-08
764	0.07	7.3E-08	7.1E+00	1.1E-03	1.0E-03	8.4E-06	1.6E-01	5.5E-02	7.2E-08
765	0.08	8.2E-08	8.0E+00	1.1E-03	1.0E-03	9.5E-06	1.6E-01	5.5E-02	8.1E-08
766	0.09	9.1E-08	8.9E+00	1.1E-03	1.0E-03	1.1E-05	1.6E-01	5.5E-02	9.1E-08
767	0.10	1.0E-07	9.8E+00	1.1E-03	1.0E-03	1.2E-05	1.6E-01	5.5E-02	1.0E-07
768	0.11	1.1E-07	1.0E+01	1.1E-03	1.0E-03	1.2E-05	1.6E-01	5.5E-02	1.1E-07
769	0.11	1.1E-07	1.1E+01	1.1E-03	1.0E-03	1.3E-05	1.6E-01	5.5E-02	1.1E-07
770	0.12	1.2E-07	1.1E+01	1.1E-03	1.0E-03	1.3E-05	1.6E-01	5.5E-02	1.2E-07
771	0.12	1.2E-07	1.1E+01	1.1E-03	1.0E-03	1.3E-05	1.6E-01	5.5E-02	1.2E-07
772	0.11	1.1E-07	1.1E+01	1.1E-03	1.0E-03	1.3E-05	1.6E-01	5.5E-02	1.1E-07
773	0.11	1.1E-07	1.1E+01	1.1E-03	1.0E-03	1.3E-05	1.6E-01	5.5E-02	1.1E-07
774	0.10	1.0E-07	1.0E+01	1.1E-03	1.0E-03	1.2E-05	1.6E-01	5.5E-02	1.0E-07
775	0.09	9.5E-08	9.3E+00	1.1E-03	1.0E-03	1.1E-05	1.6E-01	5.5E-02	9.5E-08

776	0.09	8.7E-08	8.5E+00	1.1E-03	1.0E-03	1.0E-05	1.6E-01	5.5E-02	8.7E-08
777	0.08	7.9E-08	7.8E+00	1.1E-03	1.0E-03	9.2E-06	1.6E-01	5.5E-02	7.9E-08
778	0.07	7.2E-08	7.1E+00	1.1E-03	1.0E-03	8.3E-06	1.6E-01	5.5E-02	7.2E-08
779	0.07	6.5E-08	6.4E+00	1.1E-03	1.0E-03	7.6E-06	1.6E-01	5.5E-02	6.5E-08
780	0.06	5.9E-08	5.8E+00	1.1E-03	1.0E-03	6.9E-06	1.6E-01	5.5E-02	5.9E-08
781	0.02	2.2E-08	2.1E+00	1.1E-03	1.0E-03	2.5E-06	1.6E-01	5.5E-02	2.2E-08
782	0.02	2.4E-08	2.4E+00	1.1E-03	1.0E-03	2.8E-06	1.6E-01	5.5E-02	2.4E-08
783	0.03	2.7E-08	2.6E+00	1.1E-03	1.0E-03	3.1E-06	1.6E-01	5.5E-02	2.7E-08
784	0.03	3.0E-08	3.0E+00	1.1E-03	1.0E-03	3.5E-06	1.6E-01	5.5E-02	3.0E-08
785	0.03	3.4E-08	3.3E+00	1.1E-03	1.0E-03	3.9E-06	1.6E-01	5.5E-02	3.4E-08
786	0.04	3.9E-08	3.8E+00	1.1E-03	1.0E-03	4.4E-06	1.6E-01	5.5E-02	3.8E-08
787	0.04	4.4E-08	4.3E+00	1.1E-03	1.0E-03	5.0E-06	1.6E-01	5.5E-02	4.3E-08
788	0.05	5.0E-08	4.8E+00	1.1E-03	1.0E-03	5.7E-06	1.6E-01	5.5E-02	4.9E-08
789	0.06	5.6E-08	5.4E+00	1.1E-03	1.0E-03	6.4E-06	1.6E-01	5.5E-02	5.5E-08
790	0.06	6.2E-08	6.1E+00	1.1E-03	1.0E-03	7.2E-06	1.6E-01	5.5E-02	6.2E-08
791	0.07	6.9E-08	6.8E+00	1.1E-03	1.0E-03	8.0E-06	1.6E-01	5.5E-02	6.9E-08
792	0.08	7.6E-08	7.5E+00	1.1E-03	1.0E-03	8.8E-06	1.6E-01	5.5E-02	7.6E-08
793	0.08	8.3E-08	8.1E+00	1.1E-03	1.0E-03	9.6E-06	1.6E-01	5.5E-02	8.3E-08
794	0.09	8.8E-08	8.6E+00	1.1E-03	1.0E-03	1.0E-05	1.6E-01	5.5E-02	8.8E-08
795	0.09	9.2E-08	9.0E+00	1.1E-03	1.0E-03	1.1E-05	1.6E-01	5.5E-02	9.2E-08
796	0.10	9.5E-08	9.3E+00	1.1E-03	1.0E-03	1.1E-05	1.6E-01	5.5E-02	9.5E-08
797	0.10	9.6E-08	9.4E+00	1.1E-03	1.0E-03	1.1E-05	1.6E-01	5.5E-02	9.6E-08
798	0.10	9.5E-08	9.3E+00	1.1E-03	1.0E-03	1.1E-05	1.6E-01	5.5E-02	9.5E-08
799	0.09	9.2E-08	9.0E+00	1.1E-03	1.0E-03	1.1E-05	1.6E-01	5.5E-02	9.2E-08
800	0.09	8.7E-08	8.5E+00	1.1E-03	1.0E-03	1.0E-05	1.6E-01	5.5E-02	8.6E-08
801	0.08	8.1E-08	8.0E+00	1.1E-03	1.0E-03	9.4E-06	1.6E-01	5.5E-02	8.1E-08
802	0.08	7.6E-08	7.4E+00	1.1E-03	1.0E-03	8.8E-06	1.6E-01	5.5E-02	7.6E-08
803	0.07	7.0E-08	6.9E+00	1.1E-03	1.0E-03	8.1E-06	1.6E-01	5.5E-02	7.0E-08
804	0.06	6.5E-08	6.3E+00	1.1E-03	1.0E-03	7.5E-06	1.6E-01	5.5E-02	6.4E-08
805	0.06	5.9E-08	5.8E+00	1.1E-03	1.0E-03	6.8E-06	1.6E-01	5.5E-02	5.9E-08
806	0.05	5.4E-08	5.3E+00	1.1E-03	1.0E-03	6.3E-06	1.6E-01	5.5E-02	5.4E-08

Franklin School Project

Risk From New Building Demo - Mitigated Residential

Haul Route 1A							Haul Route 2A						
Conc	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
3.2E-01	2.0E-06	1.0E-03	6.6E-10	1.6E-01	5.5E-02	5.7E-12	3.4E-01	6.2E-06	1.0E-03	2.2E-09	1.6E-01	5.5E-02	1.9E-11
3.6E-01	2.0E-06	1.0E-03	7.5E-10	1.6E-01	5.5E-02	6.5E-12	3.9E-01	6.2E-06	1.0E-03	2.5E-09	1.6E-01	5.5E-02	2.2E-11
4.1E-01	2.0E-06	1.0E-03	8.5E-10	1.6E-01	5.5E-02	7.3E-12	4.5E-01	6.2E-06	1.0E-03	2.9E-09	1.6E-01	5.5E-02	2.5E-11
4.6E-01	2.0E-06	1.0E-03	9.5E-10	1.6E-01	5.5E-02	8.2E-12	5.2E-01	6.2E-06	1.0E-03	3.3E-09	1.6E-01	5.5E-02	2.9E-11
5.1E-01	2.0E-06	1.0E-03	1.0E-09	1.6E-01	5.5E-02	9.0E-12	5.8E-01	6.2E-06	1.0E-03	3.8E-09	1.6E-01	5.5E-02	3.3E-11
5.5E-01	2.0E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-02	9.8E-12	6.5E-01	6.2E-06	1.0E-03	4.2E-09	1.6E-01	5.5E-02	3.6E-11
6.0E-01	2.0E-06	1.0E-03	1.2E-09	1.6E-01	5.5E-02	1.1E-11	7.1E-01	6.2E-06	1.0E-03	4.6E-09	1.6E-01	5.5E-02	3.9E-11
6.4E-01	2.0E-06	1.0E-03	1.3E-09	1.6E-01	5.5E-02	1.1E-11	7.7E-01	6.2E-06	1.0E-03	5.0E-09	1.6E-01	5.5E-02	4.3E-11
6.9E-01	2.0E-06	1.0E-03	1.4E-09	1.6E-01	5.5E-02	1.2E-11	8.4E-01	6.2E-06	1.0E-03	5.5E-09	1.6E-01	5.5E-02	4.7E-11
7.5E-01	2.0E-06	1.0E-03	1.5E-09	1.6E-01	5.5E-02	1.3E-11	9.2E-01	6.2E-06	1.0E-03	6.0E-09	1.6E-01	5.5E-02	5.1E-11
8.0E-01	2.0E-06	1.0E-03	1.7E-09	1.6E-01	5.5E-02	1.4E-11	9.9E-01	6.2E-06	1.0E-03	6.4E-09	1.6E-01	5.5E-02	5.5E-11
8.4E-01	2.0E-06	1.0E-03	1.7E-09	1.6E-01	5.5E-02	1.5E-11	1.0E+00	6.2E-06	1.0E-03	6.7E-09	1.6E-01	5.5E-02	5.8E-11
8.5E-01	2.0E-06	1.0E-03	1.7E-09	1.6E-01	5.5E-02	1.5E-11	1.0E+00	6.2E-06	1.0E-03	6.8E-09	1.6E-01	5.5E-02	5.8E-11
8.3E-01	2.0E-06	1.0E-03	1.7E-09	1.6E-01	5.5E-02	1.5E-11	1.0E+00	6.2E-06	1.0E-03	6.6E-09	1.6E-01	5.5E-02	5.7E-11
7.9E-01	2.0E-06	1.0E-03	1.6E-09	1.6E-01	5.5E-02	1.4E-11	9.5E-01	6.2E-06	1.0E-03	6.2E-09	1.6E-01	5.5E-02	5.3E-11
7.4E-01	2.0E-06	1.0E-03	1.5E-09	1.6E-01	5.5E-02	1.3E-11	8.8E-01	6.2E-06	1.0E-03	5.7E-09	1.6E-01	5.5E-02	4.9E-11
3.8E-01	2.0E-06	1.0E-03	7.7E-10	1.6E-01	5.5E-02	6.6E-12	3.9E-01	6.2E-06	1.0E-03	2.5E-09	1.6E-01	5.5E-02	2.2E-11
4.4E-01	2.0E-06	1.0E-03	9.0E-10	1.6E-01	5.5E-02	7.7E-12	4.7E-01	6.2E-06	1.0E-03	3.0E-09	1.6E-01	5.5E-02	2.6E-11
5.1E-01	2.0E-06	1.0E-03	1.0E-09	1.6E-01	5.5E-02	9.0E-12	5.5E-01	6.2E-06	1.0E-03	3.6E-09	1.6E-01	5.5E-02	3.1E-11
5.8E-01	2.0E-06	1.0E-03	1.2E-09	1.6E-01	5.5E-02	1.0E-11	6.5E-01	6.2E-06	1.0E-03	4.2E-09	1.6E-01	5.5E-02	3.7E-11
6.6E-01	2.0E-06	1.0E-03	1.4E-09	1.6E-01	5.5E-02	1.2E-11	7.6E-01	6.2E-06	1.0E-03	4.9E-09	1.6E-01	5.5E-02	4.3E-11
7.3E-01	2.0E-06	1.0E-03	1.5E-09	1.6E-01	5.5E-02	1.3E-11	8.7E-01	6.2E-06	1.0E-03	5.7E-09	1.6E-01	5.5E-02	4.9E-11
8.0E-01	2.0E-06	1.0E-03	1.6E-09	1.6E-01	5.5E-02	1.4E-11	9.7E-01	6.2E-06	1.0E-03	6.3E-09	1.6E-01	5.5E-02	5.4E-11
8.7E-01	2.0E-06	1.0E-03	1.8E-09	1.6E-01	5.5E-02	1.5E-11	1.1E+00	6.2E-06	1.0E-03	7.0E-09	1.6E-01	5.5E-02	6.1E-11
9.6E-01	2.0E-06	1.0E-03	2.0E-09	1.6E-01	5.5E-02	1.7E-11	1.2E+00	6.2E-06	1.0E-03	7.8E-09	1.6E-01	5.5E-02	6.7E-11
1.1E+00	2.0E-06	1.0E-03	2.2E-09	1.6E-01	5.5E-02	1.9E-11	1.3E+00	6.2E-06	1.0E-03	8.6E-09	1.6E-01	5.5E-02	7.4E-11
1.1E+00	2.0E-06	1.0E-03	2.3E-09	1.6E-01	5.5E-02	2.0E-11	1.4E+00	6.2E-06	1.0E-03	9.2E-09	1.6E-01	5.5E-02	7.9E-11
1.1E+00	2.0E-06	1.0E-03	2.3E-09	1.6E-01	5.5E-02	2.0E-11	1.4E+00	6.2E-06	1.0E-03	9.3E-09	1.6E-01	5.5E-02	8.0E-11
1.1E+00	2.0E-06	1.0E-03	2.3E-09	1.6E-01	5.5E-02	2.0E-11	1.4E+00	6.2E-06	1.0E-03	9.0E-09	1.6E-01	5.5E-02	7.7E-11
1.0E+00	2.0E-06	1.0E-03	2.1E-09	1.6E-01	5.5E-02	1.8E-11	1.3E+00	6.2E-06	1.0E-03	8.3E-09	1.6E-01	5.5E-02	7.2E-11
9.6E-01	2.0E-06	1.0E-03	2.0E-09	1.6E-01	5.5E-02	1.7E-11	1.2E+00	6.2E-06	1.0E-03	7.5E-09	1.6E-01	5.5E-02	6.4E-11
8.7E-01	2.0E-06	1.0E-03	1.8E-09	1.6E-01	5.5E-02	1.5E-11	1.0E+00	6.2E-06	1.0E-03	6.6E-09	1.6E-01	5.5E-02	5.7E-11
4.4E-01	2.0E-06	1.0E-03	9.1E-10	1.6E-01	5.5E-02	7.8E-12	4.5E-01	6.2E-06	1.0E-03	3.0E-09	1.6E-01	5.5E-02	2.5E-11
5.3E-01	2.0E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-02	9.4E-12	5.6E-01	6.2E-06	1.0E-03	3.6E-09	1.6E-01	5.5E-02	3.1E-11
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7.6E-01	2.0E-06	1.0E-03	1.6E-09	1.6E-01	5.5E-02	1.3E-11	8.5E-01	6.2E-06	1.0E-03	5.5E-09	1.6E-01	5.5E-02	4.7E-11
8.9E-01	2.0E-06	1.0E-03	1.8E-09	1.6E-01	5.5E-02	1.6E-11	1.0E+00	6.2E-06	1.0E-03	6.7E-09	1.6E-01	5.5E-02	5.8E-11
1.0E+00	2.0E-06	1.0E-03	2.1E-09	1.6E-01	5.5E-02	1.8E-11	1.2E+00	6.2E-06	1.0E-03	8.0E-09	1.6E-01	5.5E-02	6.9E-11
1.1E+00	2.0E-06	1.0E-03	2.3E-09	1.6E-01	5.5E-02	2.0E-11	1.4E+00	6.2E-06	1.0E-03	9.3E-09	1.6E-01	5.5E-02	8.0E-11

1.3E+00	2.0E-06	1.0E-03	2.6E-09	1.6E-01	5.5E-02	2.2E-11	1.6E+00	6.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.2E-11
1.4E+00	2.0E-06	1.0E-03	2.9E-09	1.6E-01	5.5E-02	2.5E-11	1.9E+00	6.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.0E-10
1.5E+00	2.0E-06	1.0E-03	3.2E-09	1.6E-01	5.5E-02	2.7E-11	2.1E+00	6.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10
1.6E+00	2.0E-06	1.0E-03	3.3E-09	1.6E-01	5.5E-02	2.8E-11	2.1E+00	6.2E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10
1.5E+00	2.0E-06	1.0E-03	3.2E-09	1.6E-01	5.5E-02	2.7E-11	2.0E+00	6.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10
1.4E+00	2.0E-06	1.0E-03	2.9E-09	1.6E-01	5.5E-02	2.5E-11	1.8E+00	6.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.0E-10
1.3E+00	2.0E-06	1.0E-03	2.6E-09	1.6E-01	5.5E-02	2.3E-11	1.6E+00	6.2E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-02	8.8E-11
1.1E+00	2.0E-06	1.0E-03	2.3E-09	1.6E-01	5.5E-02	2.0E-11	1.3E+00	6.2E-06	1.0E-03	8.7E-09	1.6E-01	5.5E-02	7.5E-11
9.8E-01	2.0E-06	1.0E-03	2.0E-09	1.6E-01	5.5E-02	1.7E-11	1.1E+00	6.2E-06	1.0E-03	7.4E-09	1.6E-01	5.5E-02	6.4E-11
5.2E-01	2.0E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-02	9.2E-12	5.2E-01	6.2E-06	1.0E-03	3.4E-09	1.6E-01	5.5E-02	2.9E-11
6.4E-01	2.0E-06	1.0E-03	1.3E-09	1.6E-01	5.5E-02	1.1E-11	6.6E-01	6.2E-06	1.0E-03	4.3E-09	1.6E-01	5.5E-02	3.7E-11
8.1E-01	2.0E-06	1.0E-03	1.7E-09	1.6E-01	5.5E-02	1.4E-11	8.6E-01	6.2E-06	1.0E-03	5.6E-09	1.6E-01	5.5E-02	4.8E-11
1.0E+00	2.0E-06	1.0E-03	2.1E-09	1.6E-01	5.5E-02	1.8E-11	1.1E+00	6.2E-06	1.0E-03	7.3E-09	1.6E-01	5.5E-02	6.3E-11
1.3E+00	2.0E-06	1.0E-03	2.6E-09	1.6E-01	5.5E-02	2.2E-11	1.5E+00	6.2E-06	1.0E-03	9.6E-09	1.6E-01	5.5E-02	8.3E-11
1.5E+00	2.0E-06	1.0E-03	3.1E-09	1.6E-01	5.5E-02	2.7E-11	1.9E+00	6.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.1E-10
1.7E+00	2.0E-06	1.0E-03	3.6E-09	1.6E-01	5.5E-02	3.1E-11	2.3E+00	6.2E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-02	1.3E-10
2.0E+00	2.0E-06	1.0E-03	4.1E-09	1.6E-01	5.5E-02	3.6E-11	2.8E+00	6.2E-06	1.0E-03	1.8E-08	1.6E-01	5.5E-02	1.6E-10
2.3E+00	2.0E-06	1.0E-03	4.7E-09	1.6E-01	5.5E-02	4.0E-11	3.2E+00	6.2E-06	1.0E-03	2.1E-08	1.6E-01	5.5E-02	1.8E-10
2.4E+00	2.0E-06	1.0E-03	4.9E-09	1.6E-01	5.5E-02	4.2E-11	3.4E+00	6.2E-06	1.0E-03	2.2E-08	1.6E-01	5.5E-02	1.9E-10
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1.8E+00	2.0E-06	1.0E-03	3.7E-09	1.6E-01	5.5E-02	3.2E-11	2.3E+00	6.2E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-02	1.3E-10
1.5E+00	2.0E-06	1.0E-03	3.1E-09	1.6E-01	5.5E-02	2.7E-11	1.8E+00	6.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.0E-10
1.3E+00	2.0E-06	1.0E-03	2.6E-09	1.6E-01	5.5E-02	2.3E-11	1.5E+00	6.2E-06	1.0E-03	9.7E-09	1.6E-01	5.5E-02	8.3E-11
1.1E+00	2.0E-06	1.0E-03	2.2E-09	1.6E-01	5.5E-02	1.9E-11	1.2E+00	6.2E-06	1.0E-03	7.9E-09	1.6E-01	5.5E-02	6.8E-11
6.0E-01	2.0E-06	1.0E-03	1.2E-09	1.6E-01	5.5E-02	1.1E-11	5.9E-01	6.2E-06	1.0E-03	3.8E-09	1.6E-01	5.5E-02	3.3E-11
7.8E-01	2.0E-06	1.0E-03	1.6E-09	1.6E-01	5.5E-02	1.4E-11	7.8E-01	6.2E-06	1.0E-03	5.0E-09	1.6E-01	5.5E-02	4.3E-11
1.0E+00	2.0E-06	1.0E-03	2.1E-09	1.6E-01	5.5E-02	1.8E-11	1.1E+00	6.2E-06	1.0E-03	6.9E-09	1.6E-01	5.5E-02	6.0E-11
1.4E+00	2.0E-06	1.0E-03	2.9E-09	1.6E-01	5.5E-02	2.5E-11	1.5E+00	6.2E-06	1.0E-03	9.9E-09	1.6E-01	5.5E-02	8.5E-11
1.9E+00	2.0E-06	1.0E-03	3.9E-09	1.6E-01	5.5E-02	3.4E-11	2.2E+00	6.2E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-02	1.3E-10
2.5E+00	2.0E-06	1.0E-03	5.1E-09	1.6E-01	5.5E-02	4.4E-11	3.3E+00	6.2E-06	1.0E-03	2.1E-08	1.6E-01	5.5E-02	1.8E-10
3.0E+00	2.0E-06	1.0E-03	6.3E-09	1.6E-01	5.5E-02	5.4E-11	4.5E+00	6.2E-06	1.0E-03	2.9E-08	1.6E-01	5.5E-02	2.5E-10
3.6E+00	2.0E-06	1.0E-03	7.5E-09	1.6E-01	5.5E-02	6.5E-11	5.6E+00	6.2E-06	1.0E-03	3.7E-08	1.6E-01	5.5E-02	3.2E-10
3.9E+00	2.0E-06	1.0E-03	8.1E-09	1.6E-01	5.5E-02	7.0E-11	6.2E+00	6.2E-06	1.0E-03	4.0E-08	1.6E-01	5.5E-02	3.5E-10
3.7E+00	2.0E-06	1.0E-03	7.7E-09	1.6E-01	5.5E-02	6.6E-11	5.6E+00	6.2E-06	1.0E-03	3.6E-08	1.6E-01	5.5E-02	3.1E-10
3.2E+00	2.0E-06	1.0E-03	6.6E-09	1.6E-01	5.5E-02	5.7E-11	4.5E+00	6.2E-06	1.0E-03	2.9E-08	1.6E-01	5.5E-02	2.5E-10
2.6E+00	2.0E-06	1.0E-03	5.4E-09	1.6E-01	5.5E-02	4.7E-11	3.4E+00	6.2E-06	1.0E-03	2.2E-08	1.6E-01	5.5E-02	1.9E-10
2.1E+00	2.0E-06	1.0E-03	4.3E-09	1.6E-01	5.5E-02	3.7E-11	2.6E+00	6.2E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-02	1.5E-10
1.7E+00	2.0E-06	1.0E-03	3.5E-09	1.6E-01	5.5E-02	3.0E-11	2.0E+00	6.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10
1.4E+00	2.0E-06	1.0E-03	2.8E-09	1.6E-01	5.5E-02	2.4E-11	1.5E+00	6.2E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-02	8.6E-11
1.1E+00	2.0E-06	1.0E-03	2.3E-09	1.6E-01	5.5E-02	2.0E-11	1.2E+00	6.2E-06	1.0E-03	7.9E-09	1.6E-01	5.5E-02	6.8E-11
6.8E-01	2.0E-06	1.0E-03	1.4E-09	1.6E-01	5.5E-02	1.2E-11	6.5E-01	6.2E-06	1.0E-03	4.2E-09	1.6E-01	5.5E-02	3.6E-11
9.3E-01	2.0E-06	1.0E-03	1.9E-09	1.6E-01	5.5E-02	1.6E-11	8.8E-01	6.2E-06	1.0E-03	5.7E-09	1.6E-01	5.5E-02	4.9E-11
1.3E+00	2.0E-06	1.0E-03	2.7E-09	1.6E-01	5.5E-02	2.3E-11	1.3E+00	6.2E-06	1.0E-03	8.3E-09	1.6E-01	5.5E-02	7.2E-11
2.0E+00	2.0E-06	1.0E-03	4.1E-09	1.6E-01	5.5E-02	3.5E-11	2.0E+00	6.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10
3.1E+00	2.0E-06	1.0E-03	6.3E-09	1.6E-01	5.5E-02	5.5E-11	3.5E+00	6.2E-06	1.0E-03	2.3E-08	1.6E-01	5.5E-02	1.9E-10

4.8E+00	2.0E-06	1.0E-03	9.8E-09	1.6E-01	5.5E-02	8.4E-11	6.5E+00	6.2E-06	1.0E-03	4.2E-08	1.6E-01	5.5E-02	3.6E-10
6.6E+00	2.0E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10	1.1E+01	6.2E-06	1.0E-03	7.3E-08	1.6E-01	5.5E-02	6.3E-10
7.9E+00	2.0E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-02	1.4E-10	1.5E+01	6.2E-06	1.0E-03	9.7E-08	1.6E-01	5.5E-02	8.3E-10
7.2E+00	2.0E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-02	1.3E-10	1.3E+01	6.2E-06	1.0E-03	8.3E-08	1.6E-01	5.5E-02	7.2E-10
5.6E+00	2.0E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	9.9E-11	8.7E+00	6.2E-06	1.0E-03	5.7E-08	1.6E-01	5.5E-02	4.9E-10
4.2E+00	2.0E-06	1.0E-03	8.5E-09	1.6E-01	5.5E-02	7.4E-11	5.7E+00	6.2E-06	1.0E-03	3.7E-08	1.6E-01	5.5E-02	3.2E-10
3.1E+00	2.0E-06	1.0E-03	6.3E-09	1.6E-01	5.5E-02	5.5E-11	3.9E+00	6.2E-06	1.0E-03	2.5E-08	1.6E-01	5.5E-02	2.2E-10
2.3E+00	2.0E-06	1.0E-03	4.7E-09	1.6E-01	5.5E-02	4.1E-11	2.7E+00	6.2E-06	1.0E-03	1.8E-08	1.6E-01	5.5E-02	1.5E-10
1.8E+00	2.0E-06	1.0E-03	3.6E-09	1.6E-01	5.5E-02	3.1E-11	2.0E+00	6.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10
1.4E+00	2.0E-06	1.0E-03	2.8E-09	1.6E-01	5.5E-02	2.4E-11	1.5E+00	6.2E-06	1.0E-03	9.7E-09	1.6E-01	5.5E-02	8.3E-11
1.1E+00	2.0E-06	1.0E-03	2.2E-09	1.6E-01	5.5E-02	1.9E-11	1.2E+00	6.2E-06	1.0E-03	7.5E-09	1.6E-01	5.5E-02	6.4E-11
7.5E-01	2.0E-06	1.0E-03	1.5E-09	1.6E-01	5.5E-02	1.3E-11	6.8E-01	6.2E-06	1.0E-03	4.4E-09	1.6E-01	5.5E-02	3.8E-11
1.1E+00	2.0E-06	1.0E-03	2.2E-09	1.6E-01	5.5E-02	1.9E-11	9.5E-01	6.2E-06	1.0E-03	6.1E-09	1.6E-01	5.5E-02	5.3E-11
1.6E+00	2.0E-06	1.0E-03	3.3E-09	1.6E-01	5.5E-02	2.9E-11	1.4E+00	6.2E-06	1.0E-03	9.4E-09	1.6E-01	5.5E-02	8.1E-11
2.7E+00	2.0E-06	1.0E-03	5.6E-09	1.6E-01	5.5E-02	4.8E-11	2.5E+00	6.2E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-02	1.4E-10
5.2E+00	2.0E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.2E-11	5.0E+00	6.2E-06	1.0E-03	3.2E-08	1.6E-01	5.5E-02	2.8E-10
1.2E+01	2.0E-06	1.0E-03	2.4E-08	1.6E-01	5.5E-02	2.1E-10	1.4E+01	6.2E-06	1.0E-03	9.2E-08	1.6E-01	5.5E-02	7.9E-10
2.3E+01	2.0E-06	1.0E-03	4.8E-08	1.6E-01	5.5E-02	4.2E-10	5.4E+01	6.2E-06	1.0E-03	3.5E-07	1.6E-01	5.5E-02	3.0E-09
2.0E+01	2.0E-06	1.0E-03	4.1E-08	1.6E-01	5.5E-02	3.5E-10	6.1E+01	6.2E-06	1.0E-03	3.9E-07	1.6E-01	5.5E-02	3.4E-09
1.2E+01	2.0E-06	1.0E-03	2.5E-08	1.6E-01	5.5E-02	2.2E-10	2.4E+01	6.2E-06	1.0E-03	1.5E-07	1.6E-01	5.5E-02	1.3E-09
7.4E+00	2.0E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-02	1.3E-10	1.1E+01	6.2E-06	1.0E-03	7.1E-08	1.6E-01	5.5E-02	6.1E-10
4.7E+00	2.0E-06	1.0E-03	9.7E-09	1.6E-01	5.5E-02	8.4E-11	6.0E+00	6.2E-06	1.0E-03	3.9E-08	1.6E-01	5.5E-02	3.4E-10
3.2E+00	2.0E-06	1.0E-03	6.6E-09	1.6E-01	5.5E-02	5.7E-11	3.8E+00	6.2E-06	1.0E-03	2.4E-08	1.6E-01	5.5E-02	2.1E-10
2.3E+00	2.0E-06	1.0E-03	4.7E-09	1.6E-01	5.5E-02	4.0E-11	2.5E+00	6.2E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-02	1.4E-10
1.7E+00	2.0E-06	1.0E-03	3.5E-09	1.6E-01	5.5E-02	3.0E-11	1.8E+00	6.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.0E-10
1.3E+00	2.0E-06	1.0E-03	2.6E-09	1.6E-01	5.5E-02	2.3E-11	1.3E+00	6.2E-06	1.0E-03	8.7E-09	1.6E-01	5.5E-02	7.5E-11
1.0E+00	2.0E-06	1.0E-03	2.1E-09	1.6E-01	5.5E-02	1.8E-11	1.0E+00	6.2E-06	1.0E-03	6.7E-09	1.6E-01	5.5E-02	5.8E-11
7.9E-01	2.0E-06	1.0E-03	1.6E-09	1.6E-01	5.5E-02	1.4E-11	6.9E-01	6.2E-06	1.0E-03	4.4E-09	1.6E-01	5.5E-02	3.8E-11
1.1E+00	2.0E-06	1.0E-03	2.3E-09	1.6E-01	5.5E-02	2.0E-11	9.7E-01	6.2E-06	1.0E-03	6.3E-09	1.6E-01	5.5E-02	5.4E-11
1.8E+00	2.0E-06	1.0E-03	3.7E-09	1.6E-01	5.5E-02	3.2E-11	1.5E+00	6.2E-06	1.0E-03	9.6E-09	1.6E-01	5.5E-02	8.3E-11
3.3E+00	2.0E-06	1.0E-03	6.8E-09	1.6E-01	5.5E-02	5.8E-11	2.6E+00	6.2E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-02	1.4E-10
7.6E+00	2.0E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-02	1.3E-10	5.5E+00	6.2E-06	1.0E-03	3.6E-08	1.6E-01	5.5E-02	3.1E-10
7.7E+00	2.0E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-02	1.4E-10	9.6E+00	6.2E-06	1.0E-03	6.2E-08	1.6E-01	5.5E-02	5.4E-10
4.5E+00	2.0E-06	1.0E-03	9.3E-09	1.6E-01	5.5E-02	8.0E-11	5.1E+00	6.2E-06	1.0E-03	3.3E-08	1.6E-01	5.5E-02	2.9E-10
3.0E+00	2.0E-06	1.0E-03	6.1E-09	1.6E-01	5.5E-02	5.2E-11	3.2E+00	6.2E-06	1.0E-03	2.1E-08	1.6E-01	5.5E-02	1.8E-10
2.1E+00	2.0E-06	1.0E-03	4.2E-09	1.6E-01	5.5E-02	3.6E-11	2.1E+00	6.2E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10
1.5E+00	2.0E-06	1.0E-03	3.1E-09	1.6E-01	5.5E-02	2.7E-11	1.5E+00	6.2E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-02	8.6E-11
1.1E+00	2.0E-06	1.0E-03	2.4E-09	1.6E-01	5.5E-02	2.0E-11	1.2E+00	6.2E-06	1.0E-03	7.5E-09	1.6E-01	5.5E-02	6.5E-11
9.0E-01	2.0E-06	1.0E-03	1.8E-09	1.6E-01	5.5E-02	1.6E-11	9.0E-01	6.2E-06	1.0E-03	5.9E-09	1.6E-01	5.5E-02	5.1E-11
7.8E-01	2.0E-06	1.0E-03	1.6E-09	1.6E-01	5.5E-02	1.4E-11	6.6E-01	6.2E-06	1.0E-03	4.3E-09	1.6E-01	5.5E-02	3.7E-11
1.1E+00	2.0E-06	1.0E-03	2.3E-09	1.6E-01	5.5E-02	2.0E-11	9.1E-01	6.2E-06	1.0E-03	5.9E-09	1.6E-01	5.5E-02	5.1E-11
1.8E+00	2.0E-06	1.0E-03	3.7E-09	1.6E-01	5.5E-02	3.2E-11	1.4E+00	6.2E-06	1.0E-03	8.8E-09	1.6E-01	5.5E-02	7.6E-11
3.3E+00	2.0E-06	1.0E-03	6.7E-09	1.6E-01	5.5E-02	5.8E-11	2.2E+00	6.2E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10
7.4E+00	2.0E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-02	1.3E-10	4.1E+00	6.2E-06	1.0E-03	2.6E-08	1.6E-01	5.5E-02	2.3E-10
6.3E+00	2.0E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10	6.4E+00	6.2E-06	1.0E-03	4.2E-08	1.6E-01	5.5E-02	3.6E-10
3.7E+00	2.0E-06	1.0E-03	7.7E-09	1.6E-01	5.5E-02	6.6E-11	3.9E+00	6.2E-06	1.0E-03	2.5E-08	1.6E-01	5.5E-02	2.2E-10

2.4E+00	2.0E-06	1.0E-03	5.0E-09	1.6E-01	5.5E-02	4.3E-11	2.5E+00	6.2E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-02	1.4E-10
1.7E+00	2.0E-06	1.0E-03	3.6E-09	1.6E-01	5.5E-02	3.1E-11	1.8E+00	6.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.9E-11
1.3E+00	2.0E-06	1.0E-03	2.7E-09	1.6E-01	5.5E-02	2.3E-11	1.3E+00	6.2E-06	1.0E-03	8.4E-09	1.6E-01	5.5E-02	7.3E-11
9.9E-01	2.0E-06	1.0E-03	2.0E-09	1.6E-01	5.5E-02	1.8E-11	9.9E-01	6.2E-06	1.0E-03	6.5E-09	1.6E-01	5.5E-02	5.6E-11
7.8E-01	2.0E-06	1.0E-03	1.6E-09	1.6E-01	5.5E-02	1.4E-11	7.8E-01	6.2E-06	1.0E-03	5.1E-09	1.6E-01	5.5E-02	4.4E-11
7.4E-01	2.0E-06	1.0E-03	1.5E-09	1.6E-01	5.5E-02	1.3E-11	6.1E-01	6.2E-06	1.0E-03	3.9E-09	1.6E-01	5.5E-02	3.4E-11
1.0E+00	2.0E-06	1.0E-03	2.2E-09	1.6E-01	5.5E-02	1.9E-11	8.2E-01	6.2E-06	1.0E-03	5.3E-09	1.6E-01	5.5E-02	4.6E-11
1.6E+00	2.0E-06	1.0E-03	3.2E-09	1.6E-01	5.5E-02	2.8E-11	1.1E+00	6.2E-06	1.0E-03	7.4E-09	1.6E-01	5.5E-02	6.4E-11
2.7E+00	2.0E-06	1.0E-03	5.5E-09	1.6E-01	5.5E-02	4.7E-11	1.7E+00	6.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.7E-11
5.0E+00	2.0E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-02	8.8E-11	2.7E+00	6.2E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-02	1.5E-10
4.5E+00	2.0E-06	1.0E-03	9.2E-09	1.6E-01	5.5E-02	7.9E-11	4.2E+00	6.2E-06	1.0E-03	2.7E-08	1.6E-01	5.5E-02	2.3E-10
2.9E+00	2.0E-06	1.0E-03	5.9E-09	1.6E-01	5.5E-02	5.1E-11	2.8E+00	6.2E-06	1.0E-03	1.8E-08	1.6E-01	5.5E-02	1.6E-10
2.0E+00	2.0E-06	1.0E-03	4.0E-09	1.6E-01	5.5E-02	3.5E-11	2.0E+00	6.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10
1.5E+00	2.0E-06	1.0E-03	3.0E-09	1.6E-01	5.5E-02	2.6E-11	1.5E+00	6.2E-06	1.0E-03	9.6E-09	1.6E-01	5.5E-02	8.3E-11
1.1E+00	2.0E-06	1.0E-03	2.3E-09	1.6E-01	5.5E-02	1.9E-11	1.1E+00	6.2E-06	1.0E-03	7.2E-09	1.6E-01	5.5E-02	6.2E-11
8.6E-01	2.0E-06	1.0E-03	1.8E-09	1.6E-01	5.5E-02	1.5E-11	8.7E-01	6.2E-06	1.0E-03	5.6E-09	1.6E-01	5.5E-02	4.8E-11
6.9E-01	2.0E-06	1.0E-03	1.4E-09	1.6E-01	5.5E-02	1.2E-11	6.9E-01	6.2E-06	1.0E-03	4.5E-09	1.6E-01	5.5E-02	3.9E-11
6.7E-01	2.0E-06	1.0E-03	1.4E-09	1.6E-01	5.5E-02	1.2E-11	5.4E-01	6.2E-06	1.0E-03	3.5E-09	1.6E-01	5.5E-02	3.0E-11
9.0E-01	2.0E-06	1.0E-03	1.9E-09	1.6E-01	5.5E-02	1.6E-11	7.0E-01	6.2E-06	1.0E-03	4.5E-09	1.6E-01	5.5E-02	3.9E-11
1.3E+00	2.0E-06	1.0E-03	2.7E-09	1.6E-01	5.5E-02	2.3E-11	9.4E-01	6.2E-06	1.0E-03	6.1E-09	1.6E-01	5.5E-02	5.2E-11
2.0E+00	2.0E-06	1.0E-03	4.0E-09	1.6E-01	5.5E-02	3.5E-11	1.3E+00	6.2E-06	1.0E-03	8.5E-09	1.6E-01	5.5E-02	7.3E-11
3.1E+00	2.0E-06	1.0E-03	6.4E-09	1.6E-01	5.5E-02	5.5E-11	1.9E+00	6.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.0E-10
3.3E+00	2.0E-06	1.0E-03	6.9E-09	1.6E-01	5.5E-02	5.9E-11	3.0E+00	6.2E-06	1.0E-03	1.9E-08	1.6E-01	5.5E-02	1.7E-10
2.3E+00	2.0E-06	1.0E-03	4.7E-09	1.6E-01	5.5E-02	4.0E-11	2.2E+00	6.2E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10
1.6E+00	2.0E-06	1.0E-03	3.3E-09	1.6E-01	5.5E-02	2.8E-11	1.6E+00	6.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.0E-11
1.2E+00	2.0E-06	1.0E-03	2.6E-09	1.6E-01	5.5E-02	2.2E-11	1.3E+00	6.2E-06	1.0E-03	8.3E-09	1.6E-01	5.5E-02	7.1E-11
9.6E-01	2.0E-06	1.0E-03	2.0E-09	1.6E-01	5.5E-02	1.7E-11	9.8E-01	6.2E-06	1.0E-03	6.4E-09	1.6E-01	5.5E-02	5.5E-11
7.6E-01	2.0E-06	1.0E-03	1.6E-09	1.6E-01	5.5E-02	1.3E-11	7.8E-01	6.2E-06	1.0E-03	5.0E-09	1.6E-01	5.5E-02	4.3E-11
6.1E-01	2.0E-06	1.0E-03	1.3E-09	1.6E-01	5.5E-02	1.1E-11	6.3E-01	6.2E-06	1.0E-03	4.1E-09	1.6E-01	5.5E-02	3.5E-11
5.9E-01	2.0E-06	1.0E-03	1.2E-09	1.6E-01	5.5E-02	1.0E-11	4.7E-01	6.2E-06	1.0E-03	3.1E-09	1.6E-01	5.5E-02	2.6E-11
7.6E-01	2.0E-06	1.0E-03	1.6E-09	1.6E-01	5.5E-02	1.3E-11	5.9E-01	6.2E-06	1.0E-03	3.8E-09	1.6E-01	5.5E-02	3.3E-11
1.0E+00	2.0E-06	1.0E-03	2.1E-09	1.6E-01	5.5E-02	1.8E-11	7.6E-01	6.2E-06	1.0E-03	4.9E-09	1.6E-01	5.5E-02	4.2E-11
1.4E+00	2.0E-06	1.0E-03	2.9E-09	1.6E-01	5.5E-02	2.5E-11	1.0E+00	6.2E-06	1.0E-03	6.5E-09	1.6E-01	5.5E-02	5.6E-11
2.1E+00	2.0E-06	1.0E-03	4.3E-09	1.6E-01	5.5E-02	3.7E-11	1.4E+00	6.2E-06	1.0E-03	8.8E-09	1.6E-01	5.5E-02	7.6E-11
2.9E+00	2.0E-06	1.0E-03	6.0E-09	1.6E-01	5.5E-02	5.2E-11	1.8E+00	6.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.0E-10
3.6E+00	2.0E-06	1.0E-03	7.4E-09	1.6E-01	5.5E-02	6.4E-11	2.2E+00	6.2E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-02	1.3E-10
3.6E+00	2.0E-06	1.0E-03	7.5E-09	1.6E-01	5.5E-02	6.5E-11	2.5E+00	6.2E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-02	1.4E-10
3.1E+00	2.0E-06	1.0E-03	6.5E-09	1.6E-01	5.5E-02	5.6E-11	2.4E+00	6.2E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-02	1.3E-10
2.5E+00	2.0E-06	1.0E-03	5.1E-09	1.6E-01	5.5E-02	4.4E-11	2.1E+00	6.2E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10
1.9E+00	2.0E-06	1.0E-03	3.8E-09	1.6E-01	5.5E-02	3.3E-11	1.7E+00	6.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.7E-11
1.3E+00	2.0E-06	1.0E-03	2.8E-09	1.6E-01	5.5E-02	2.4E-11	1.3E+00	6.2E-06	1.0E-03	8.6E-09	1.6E-01	5.5E-02	7.4E-11
1.0E+00	2.0E-06	1.0E-03	2.1E-09	1.6E-01	5.5E-02	1.8E-11	1.1E+00	6.2E-06	1.0E-03	6.8E-09	1.6E-01	5.5E-02	5.9E-11
8.5E-01	2.0E-06	1.0E-03	1.8E-09	1.6E-01	5.5E-02	1.5E-11	8.7E-01	6.2E-06	1.0E-03	5.7E-09	1.6E-01	5.5E-02	4.9E-11
6.8E-01	2.0E-06	1.0E-03	1.4E-09	1.6E-01	5.5E-02	1.2E-11	7.0E-01	6.2E-06	1.0E-03	4.6E-09	1.6E-01	5.5E-02	3.9E-11
5.6E-01	2.0E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-02	9.9E-12	5.7E-01	6.2E-06	1.0E-03	3.7E-09	1.6E-01	5.5E-02	3.2E-11
5.1E-01	2.0E-06	1.0E-03	1.0E-09	1.6E-01	5.5E-02	9.0E-12	4.1E-01	6.2E-06	1.0E-03	2.7E-09	1.6E-01	5.5E-02	2.3E-11

6.4E-01	2.0E-06	1.0E-03	1.3E-09	1.6E-01	5.5E-02	1.1E-11	5.0E-01	6.2E-06	1.0E-03	3.3E-09	1.6E-01	5.5E-02	2.8E-11
8.2E-01	2.0E-06	1.0E-03	1.7E-09	1.6E-01	5.5E-02	1.4E-11	6.2E-01	6.2E-06	1.0E-03	4.0E-09	1.6E-01	5.5E-02	3.5E-11
1.1E+00	2.0E-06	1.0E-03	2.2E-09	1.6E-01	5.5E-02	1.9E-11	8.0E-01	6.2E-06	1.0E-03	5.2E-09	1.6E-01	5.5E-02	4.4E-11
1.5E+00	2.0E-06	1.0E-03	3.0E-09	1.6E-01	5.5E-02	2.6E-11	1.0E+00	6.2E-06	1.0E-03	6.7E-09	1.6E-01	5.5E-02	5.7E-11
1.9E+00	2.0E-06	1.0E-03	3.9E-09	1.6E-01	5.5E-02	3.3E-11	1.3E+00	6.2E-06	1.0E-03	8.3E-09	1.6E-01	5.5E-02	7.2E-11
2.2E+00	2.0E-06	1.0E-03	4.5E-09	1.6E-01	5.5E-02	3.9E-11	1.5E+00	6.2E-06	1.0E-03	9.9E-09	1.6E-01	5.5E-02	8.5E-11
2.3E+00	2.0E-06	1.0E-03	4.8E-09	1.6E-01	5.5E-02	4.1E-11	1.7E+00	6.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.3E-11
2.2E+00	2.0E-06	1.0E-03	4.4E-09	1.6E-01	5.5E-02	3.8E-11	1.7E+00	6.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.4E-11
1.8E+00	2.0E-06	1.0E-03	3.8E-09	1.6E-01	5.5E-02	3.2E-11	1.6E+00	6.2E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-02	8.7E-11
1.5E+00	2.0E-06	1.0E-03	3.1E-09	1.6E-01	5.5E-02	2.6E-11	1.4E+00	6.2E-06	1.0E-03	8.8E-09	1.6E-01	5.5E-02	7.6E-11
1.2E+00	2.0E-06	1.0E-03	2.4E-09	1.6E-01	5.5E-02	2.1E-11	1.1E+00	6.2E-06	1.0E-03	7.4E-09	1.6E-01	5.5E-02	6.3E-11
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7.6E-01	2.0E-06	1.0E-03	1.6E-09	1.6E-01	5.5E-02	1.3E-11	7.7E-01	6.2E-06	1.0E-03	5.0E-09	1.6E-01	5.5E-02	4.3E-11
6.3E-01	2.0E-06	1.0E-03	1.3E-09	1.6E-01	5.5E-02	1.1E-11	6.4E-01	6.2E-06	1.0E-03	4.1E-09	1.6E-01	5.5E-02	3.6E-11
5.2E-01	2.0E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-02	9.1E-12	5.3E-01	6.2E-06	1.0E-03	3.4E-09	1.6E-01	5.5E-02	3.0E-11
4.4E-01	2.0E-06	1.0E-03	9.0E-10	1.6E-01	5.5E-02	7.8E-12	3.6E-01	6.2E-06	1.0E-03	2.3E-09	1.6E-01	5.5E-02	2.0E-11
5.4E-01	2.0E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-02	9.5E-12	4.3E-01	6.2E-06	1.0E-03	2.8E-09	1.6E-01	5.5E-02	2.4E-11
6.7E-01	2.0E-06	1.0E-03	1.4E-09	1.6E-01	5.5E-02	1.2E-11	5.3E-01	6.2E-06	1.0E-03	3.4E-09	1.6E-01	5.5E-02	2.9E-11
8.6E-01	2.0E-06	1.0E-03	1.8E-09	1.6E-01	5.5E-02	1.5E-11	6.5E-01	6.2E-06	1.0E-03	4.2E-09	1.6E-01	5.5E-02	3.6E-11
1.1E+00	2.0E-06	1.0E-03	2.2E-09	1.6E-01	5.5E-02	1.9E-11	8.0E-01	6.2E-06	1.0E-03	5.2E-09	1.6E-01	5.5E-02	4.5E-11
1.3E+00	2.0E-06	1.0E-03	2.7E-09	1.6E-01	5.5E-02	2.3E-11	9.6E-01	6.2E-06	1.0E-03	6.2E-09	1.6E-01	5.5E-02	5.4E-11
1.5E+00	2.0E-06	1.0E-03	3.1E-09	1.6E-01	5.5E-02	2.7E-11	1.1E+00	6.2E-06	1.0E-03	7.1E-09	1.6E-01	5.5E-02	6.2E-11
1.6E+00	2.0E-06	1.0E-03	3.3E-09	1.6E-01	5.5E-02	2.8E-11	1.2E+00	6.2E-06	1.0E-03	7.8E-09	1.6E-01	5.5E-02	6.7E-11
1.5E+00	2.0E-06	1.0E-03	3.2E-09	1.6E-01	5.5E-02	2.7E-11	1.2E+00	6.2E-06	1.0E-03	7.9E-09	1.6E-01	5.5E-02	6.8E-11
1.4E+00	2.0E-06	1.0E-03	2.8E-09	1.6E-01	5.5E-02	2.4E-11	1.2E+00	6.2E-06	1.0E-03	7.5E-09	1.6E-01	5.5E-02	6.5E-11
1.1E+00	2.0E-06	1.0E-03	2.4E-09	1.6E-01	5.5E-02	2.0E-11	1.0E+00	6.2E-06	1.0E-03	6.6E-09	1.6E-01	5.5E-02	5.7E-11
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5.7E-01	2.0E-06	1.0E-03	1.2E-09	1.6E-01	5.5E-02	1.0E-11	5.7E-01	6.2E-06	1.0E-03	3.7E-09	1.6E-01	5.5E-02	3.2E-11
4.8E-01	2.0E-06	1.0E-03	9.8E-10	1.6E-01	5.5E-02	8.5E-12	4.9E-01	6.2E-06	1.0E-03	3.2E-09	1.6E-01	5.5E-02	2.7E-11
3.8E-01	2.0E-06	1.0E-03	7.9E-10	1.6E-01	5.5E-02	6.8E-12	3.2E-01	6.2E-06	1.0E-03	2.1E-09	1.6E-01	5.5E-02	1.8E-11
4.6E-01	2.0E-06	1.0E-03	9.4E-10	1.6E-01	5.5E-02	8.1E-12	3.7E-01	6.2E-06	1.0E-03	2.4E-09	1.6E-01	5.5E-02	2.1E-11
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6.8E-01	2.0E-06	1.0E-03	1.4E-09	1.6E-01	5.5E-02	1.2E-11	5.3E-01	6.2E-06	1.0E-03	3.5E-09	1.6E-01	5.5E-02	3.0E-11
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9.7E-01	2.0E-06	1.0E-03	2.0E-09	1.6E-01	5.5E-02	1.7E-11	7.4E-01	6.2E-06	1.0E-03	4.8E-09	1.6E-01	5.5E-02	4.1E-11
1.1E+00	2.0E-06	1.0E-03	2.2E-09	1.6E-01	5.5E-02	1.9E-11	8.4E-01	6.2E-06	1.0E-03	5.4E-09	1.6E-01	5.5E-02	4.7E-11
1.1E+00	2.0E-06	1.0E-03	2.3E-09	1.6E-01	5.5E-02	2.0E-11	9.0E-01	6.2E-06	1.0E-03	5.8E-09	1.6E-01	5.5E-02	5.0E-11
1.1E+00	2.0E-06	1.0E-03	2.3E-09	1.6E-01	5.5E-02	2.0E-11	9.2E-01	6.2E-06	1.0E-03	6.0E-09	1.6E-01	5.5E-02	5.1E-11
1.1E+00	2.0E-06	1.0E-03	2.2E-09	1.6E-01	5.5E-02	1.9E-11	8.9E-01	6.2E-06	1.0E-03	5.8E-09	1.6E-01	5.5E-02	5.0E-11
9.6E-01	2.0E-06	1.0E-03	2.0E-09	1.6E-01	5.5E-02	1.7E-11	8.4E-01	6.2E-06	1.0E-03	5.5E-09	1.6E-01	5.5E-02	4.7E-11
8.4E-01	2.0E-06	1.0E-03	1.7E-09	1.6E-01	5.5E-02	1.5E-11	7.7E-01	6.2E-06	1.0E-03	5.0E-09	1.6E-01	5.5E-02	4.3E-11
7.2E-01	2.0E-06	1.0E-03	1.5E-09	1.6E-01	5.5E-02	1.3E-11	6.8E-01	6.2E-06	1.0E-03	4.4E-09	1.6E-01	5.5E-02	3.8E-11
5.8E-01	2.0E-06	1.0E-03	1.2E-09	1.6E-01	5.5E-02	1.0E-11	5.6E-01	6.2E-06	1.0E-03	3.6E-09	1.6E-01	5.5E-02	3.1E-11
4.9E-01	2.0E-06	1.0E-03	1.0E-09	1.6E-01	5.5E-02	8.6E-12	4.9E-01	6.2E-06	1.0E-03	3.2E-09	1.6E-01	5.5E-02	2.7E-11

4.4E-01	2.0E-06	1.0E-03	9.1E-10	1.6E-01	5.5E-02	7.8E-12	4.5E-01	6.2E-06	1.0E-03	2.9E-09	1.6E-01	5.5E-02	2.5E-11
3.4E-01	2.0E-06	1.0E-03	6.9E-10	1.6E-01	5.5E-02	5.9E-12	2.8E-01	6.2E-06	1.0E-03	1.8E-09	1.6E-01	5.5E-02	1.6E-11
4.0E-01	2.0E-06	1.0E-03	8.1E-10	1.6E-01	5.5E-02	7.0E-12	3.3E-01	6.2E-06	1.0E-03	2.1E-09	1.6E-01	5.5E-02	1.8E-11
4.7E-01	2.0E-06	1.0E-03	9.6E-10	1.6E-01	5.5E-02	8.3E-12	3.8E-01	6.2E-06	1.0E-03	2.5E-09	1.6E-01	5.5E-02	2.1E-11
5.6E-01	2.0E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-02	9.9E-12	4.5E-01	6.2E-06	1.0E-03	2.9E-09	1.6E-01	5.5E-02	2.5E-11
6.5E-01	2.0E-06	1.0E-03	1.3E-09	1.6E-01	5.5E-02	1.2E-11	5.2E-01	6.2E-06	1.0E-03	3.4E-09	1.6E-01	5.5E-02	2.9E-11
7.5E-01	2.0E-06	1.0E-03	1.5E-09	1.6E-01	5.5E-02	1.3E-11	5.9E-01	6.2E-06	1.0E-03	3.8E-09	1.6E-01	5.5E-02	3.3E-11
8.3E-01	2.0E-06	1.0E-03	1.7E-09	1.6E-01	5.5E-02	1.5E-11	6.6E-01	6.2E-06	1.0E-03	4.3E-09	1.6E-01	5.5E-02	3.7E-11
8.7E-01	2.0E-06	1.0E-03	1.8E-09	1.6E-01	5.5E-02	1.5E-11	7.0E-01	6.2E-06	1.0E-03	4.6E-09	1.6E-01	5.5E-02	3.9E-11
8.7E-01	2.0E-06	1.0E-03	1.8E-09	1.6E-01	5.5E-02	1.5E-11	7.2E-01	6.2E-06	1.0E-03	4.7E-09	1.6E-01	5.5E-02	4.0E-11
8.4E-01	2.0E-06	1.0E-03	1.7E-09	1.6E-01	5.5E-02	1.5E-11	7.1E-01	6.2E-06	1.0E-03	4.6E-09	1.6E-01	5.5E-02	4.0E-11
7.8E-01	2.0E-06	1.0E-03	1.6E-09	1.6E-01	5.5E-02	1.4E-11	6.9E-01	6.2E-06	1.0E-03	4.4E-09	1.6E-01	5.5E-02	3.8E-11
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6.2E-01	2.0E-06	1.0E-03	1.3E-09	1.6E-01	5.5E-02	1.1E-11	5.8E-01	6.2E-06	1.0E-03	3.8E-09	1.6E-01	5.5E-02	3.3E-11
5.4E-01	2.0E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-02	9.6E-12	5.2E-01	6.2E-06	1.0E-03	3.4E-09	1.6E-01	5.5E-02	2.9E-11
4.4E-01	2.0E-06	1.0E-03	9.0E-10	1.6E-01	5.5E-02	7.8E-12	4.3E-01	6.2E-06	1.0E-03	2.8E-09	1.6E-01	5.5E-02	2.4E-11
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2.9E-01	2.0E-06	1.0E-03	6.0E-10	1.6E-01	5.5E-02	5.2E-12	2.5E-01	6.2E-06	1.0E-03	1.6E-09	1.6E-01	5.5E-02	1.4E-11
3.4E-01	2.0E-06	1.0E-03	7.0E-10	1.6E-01	5.5E-02	6.0E-12	2.9E-01	6.2E-06	1.0E-03	1.9E-09	1.6E-01	5.5E-02	1.6E-11
4.0E-01	2.0E-06	1.0E-03	8.2E-10	1.6E-01	5.5E-02	7.0E-12	3.3E-01	6.2E-06	1.0E-03	2.1E-09	1.6E-01	5.5E-02	1.8E-11
4.6E-01	2.0E-06	1.0E-03	9.5E-10	1.6E-01	5.5E-02	8.2E-12	3.8E-01	6.2E-06	1.0E-03	2.5E-09	1.6E-01	5.5E-02	2.1E-11
5.3E-01	2.0E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-02	9.4E-12	4.3E-01	6.2E-06	1.0E-03	2.8E-09	1.6E-01	5.5E-02	2.4E-11
6.0E-01	2.0E-06	1.0E-03	1.2E-09	1.6E-01	5.5E-02	1.1E-11	4.9E-01	6.2E-06	1.0E-03	3.1E-09	1.6E-01	5.5E-02	2.7E-11
6.5E-01	2.0E-06	1.0E-03	1.3E-09	1.6E-01	5.5E-02	1.2E-11	5.3E-01	6.2E-06	1.0E-03	3.4E-09	1.6E-01	5.5E-02	3.0E-11
6.8E-01	2.0E-06	1.0E-03	1.4E-09	1.6E-01	5.5E-02	1.2E-11	5.6E-01	6.2E-06	1.0E-03	3.7E-09	1.6E-01	5.5E-02	3.2E-11
6.9E-01	2.0E-06	1.0E-03	1.4E-09	1.6E-01	5.5E-02	1.2E-11	5.8E-01	6.2E-06	1.0E-03	3.8E-09	1.6E-01	5.5E-02	3.2E-11
6.7E-01	2.0E-06	1.0E-03	1.4E-09	1.6E-01	5.5E-02	1.2E-11	5.8E-01	6.2E-06	1.0E-03	3.8E-09	1.6E-01	5.5E-02	3.2E-11
6.4E-01	2.0E-06	1.0E-03	1.3E-09	1.6E-01	5.5E-02	1.1E-11	5.6E-01	6.2E-06	1.0E-03	3.6E-09	1.6E-01	5.5E-02	3.1E-11
5.9E-01	2.0E-06	1.0E-03	1.2E-09	1.6E-01	5.5E-02	1.0E-11	5.3E-01	6.2E-06	1.0E-03	3.5E-09	1.6E-01	5.5E-02	3.0E-11
5.4E-01	2.0E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-02	9.5E-12	5.0E-01	6.2E-06	1.0E-03	3.2E-09	1.6E-01	5.5E-02	2.8E-11
4.8E-01	2.0E-06	1.0E-03	9.9E-10	1.6E-01	5.5E-02	8.5E-12	4.5E-01	6.2E-06	1.0E-03	2.9E-09	1.6E-01	5.5E-02	2.5E-11
4.2E-01	2.0E-06	1.0E-03	8.6E-10	1.6E-01	5.5E-02	7.4E-12	4.0E-01	6.2E-06	1.0E-03	2.6E-09	1.6E-01	5.5E-02	2.3E-11
3.5E-01	2.0E-06	1.0E-03	7.1E-10	1.6E-01	5.5E-02	6.2E-12	3.4E-01	6.2E-06	1.0E-03	2.2E-09	1.6E-01	5.5E-02	1.9E-11
2.6E-01	2.0E-06	1.0E-03	5.3E-10	1.6E-01	5.5E-02	4.6E-12	2.2E-01	6.2E-06	1.0E-03	1.4E-09	1.6E-01	5.5E-02	1.2E-11
3.0E-01	2.0E-06	1.0E-03	6.1E-10	1.6E-01	5.5E-02	5.2E-12	2.5E-01	6.2E-06	1.0E-03	1.6E-09	1.6E-01	5.5E-02	1.4E-11
3.4E-01	2.0E-06	1.0E-03	7.0E-10	1.6E-01	5.5E-02	6.0E-12	2.9E-01	6.2E-06	1.0E-03	1.9E-09	1.6E-01	5.5E-02	1.6E-11
3.9E-01	2.0E-06	1.0E-03	8.0E-10	1.6E-01	5.5E-02	6.9E-12	3.3E-01	6.2E-06	1.0E-03	2.1E-09	1.6E-01	5.5E-02	1.8E-11
4.4E-01	2.0E-06	1.0E-03	9.0E-10	1.6E-01	5.5E-02	7.8E-12	3.7E-01	6.2E-06	1.0E-03	2.4E-09	1.6E-01	5.5E-02	2.0E-11
4.9E-01	2.0E-06	1.0E-03	1.0E-09	1.6E-01	5.5E-02	8.6E-12	4.0E-01	6.2E-06	1.0E-03	2.6E-09	1.6E-01	5.5E-02	2.3E-11
5.3E-01	2.0E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-02	9.3E-12	4.4E-01	6.2E-06	1.0E-03	2.8E-09	1.6E-01	5.5E-02	2.4E-11
5.5E-01	2.0E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-02	9.7E-12	4.6E-01	6.2E-06	1.0E-03	3.0E-09	1.6E-01	5.5E-02	2.6E-11
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5.0E-01	2.0E-06	1.0E-03	1.0E-09	1.6E-01	5.5E-02	8.8E-12	4.5E-01	6.2E-06	1.0E-03	2.9E-09	1.6E-01	5.5E-02	2.5E-11
4.6E-01	2.0E-06	1.0E-03	9.5E-10	1.6E-01	5.5E-02	8.2E-12	4.3E-01	6.2E-06	1.0E-03	2.8E-09	1.6E-01	5.5E-02	2.4E-11

4.2E-01	2.0E-06	1.0E-03	8.7E-10	1.6E-01	5.5E-02	7.5E-12	4.0E-01	6.2E-06	1.0E-03	2.6E-09	1.6E-01	5.5E-02	2.2E-11
3.8E-01	2.0E-06	1.0E-03	7.8E-10	1.6E-01	5.5E-02	6.7E-12	3.6E-01	6.2E-06	1.0E-03	2.3E-09	1.6E-01	5.5E-02	2.0E-11
3.2E-01	2.0E-06	1.0E-03	6.6E-10	1.6E-01	5.5E-02	5.7E-12	3.1E-01	6.2E-06	1.0E-03	2.0E-09	1.6E-01	5.5E-02	1.7E-11
1.2E+01	2.0E-06	1.0E-03	2.4E-08	1.6E-01	5.5E-02	2.1E-10	1.4E+01	6.2E-06	1.0E-03	9.2E-08	1.6E-01	5.5E-02	7.9E-10
1.4E+01	2.0E-06	1.0E-03	2.8E-08	1.6E-01	5.5E-02	2.5E-10	1.8E+01	6.2E-06	1.0E-03	1.2E-07	1.6E-01	5.5E-02	1.0E-09
1.6E+01	2.0E-06	1.0E-03	3.3E-08	1.6E-01	5.5E-02	2.9E-10	2.4E+01	6.2E-06	1.0E-03	1.6E-07	1.6E-01	5.5E-02	1.3E-09
1.9E+01	2.0E-06	1.0E-03	3.9E-08	1.6E-01	5.5E-02	3.3E-10	3.2E+01	6.2E-06	1.0E-03	2.1E-07	1.6E-01	5.5E-02	1.8E-09
2.1E+01	2.0E-06	1.0E-03	4.4E-08	1.6E-01	5.5E-02	3.8E-10	4.2E+01	6.2E-06	1.0E-03	2.8E-07	1.6E-01	5.5E-02	2.4E-09
2.3E+01	2.0E-06	1.0E-03	4.8E-08	1.6E-01	5.5E-02	4.2E-10	5.4E+01	6.2E-06	1.0E-03	3.5E-07	1.6E-01	5.5E-02	3.0E-09
2.5E+01	2.0E-06	1.0E-03	5.1E-08	1.6E-01	5.5E-02	4.4E-10	6.3E+01	6.2E-06	1.0E-03	4.1E-07	1.6E-01	5.5E-02	3.5E-09
2.4E+01	2.0E-06	1.0E-03	5.0E-08	1.6E-01	5.5E-02	4.3E-10	6.8E+01	6.2E-06	1.0E-03	4.4E-07	1.6E-01	5.5E-02	3.8E-09
2.3E+01	2.0E-06	1.0E-03	4.8E-08	1.6E-01	5.5E-02	4.1E-10	7.0E+01	6.2E-06	1.0E-03	4.5E-07	1.6E-01	5.5E-02	3.9E-09
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1.8E+01	2.0E-06	1.0E-03	3.7E-08	1.6E-01	5.5E-02	3.2E-10	5.1E+01	6.2E-06	1.0E-03	3.3E-07	1.6E-01	5.5E-02	2.9E-09
1.7E+01	2.0E-06	1.0E-03	3.4E-08	1.6E-01	5.5E-02	2.9E-10	4.2E+01	6.2E-06	1.0E-03	2.7E-07	1.6E-01	5.5E-02	2.4E-09
1.5E+01	2.0E-06	1.0E-03	3.1E-08	1.6E-01	5.5E-02	2.6E-10	3.5E+01	6.2E-06	1.0E-03	2.2E-07	1.6E-01	5.5E-02	1.9E-09
1.3E+01	2.0E-06	1.0E-03	2.8E-08	1.6E-01	5.5E-02	2.4E-10	2.9E+01	6.2E-06	1.0E-03	1.9E-07	1.6E-01	5.5E-02	1.6E-09
1.2E+01	2.0E-06	1.0E-03	2.5E-08	1.6E-01	5.5E-02	2.2E-10	2.4E+01	6.2E-06	1.0E-03	1.5E-07	1.6E-01	5.5E-02	1.3E-09
1.1E+01	2.0E-06	1.0E-03	2.3E-08	1.6E-01	5.5E-02	1.9E-10	2.0E+01	6.2E-06	1.0E-03	1.3E-07	1.6E-01	5.5E-02	1.1E-09
9.9E+00	2.0E-06	1.0E-03	2.0E-08	1.6E-01	5.5E-02	1.8E-10	1.7E+01	6.2E-06	1.0E-03	1.1E-07	1.6E-01	5.5E-02	9.5E-10
9.0E+00	2.0E-06	1.0E-03	1.8E-08	1.6E-01	5.5E-02	1.6E-10	1.5E+01	6.2E-06	1.0E-03	9.5E-08	1.6E-01	5.5E-02	8.1E-10
8.1E+00	2.0E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-02	1.4E-10	1.3E+01	6.2E-06	1.0E-03	8.2E-08	1.6E-01	5.5E-02	7.0E-10
7.4E+00	2.0E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-02	1.3E-10	1.1E+01	6.2E-06	1.0E-03	7.1E-08	1.6E-01	5.5E-02	6.1E-10
6.7E+00	2.0E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10	9.6E+00	6.2E-06	1.0E-03	6.2E-08	1.6E-01	5.5E-02	5.3E-10
6.1E+00	2.0E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10	8.5E+00	6.2E-06	1.0E-03	5.5E-08	1.6E-01	5.5E-02	4.7E-10
5.6E+00	2.0E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	9.9E-11	7.5E+00	6.2E-06	1.0E-03	4.9E-08	1.6E-01	5.5E-02	4.2E-10
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4.7E+00	2.0E-06	1.0E-03	9.7E-09	1.6E-01	5.5E-02	8.4E-11	6.0E+00	6.2E-06	1.0E-03	3.9E-08	1.6E-01	5.5E-02	3.4E-10
1.4E+01	2.0E-06	1.0E-03	3.0E-08	1.6E-01	5.5E-02	2.5E-10	1.6E+01	6.2E-06	1.0E-03	1.1E-07	1.6E-01	5.5E-02	9.0E-10
1.8E+01	2.0E-06	1.0E-03	3.6E-08	1.6E-01	5.5E-02	3.1E-10	2.2E+01	6.2E-06	1.0E-03	1.4E-07	1.6E-01	5.5E-02	1.2E-09
2.2E+01	2.0E-06	1.0E-03	4.4E-08	1.6E-01	5.5E-02	3.8E-10	3.0E+01	6.2E-06	1.0E-03	2.0E-07	1.6E-01	5.5E-02	1.7E-09
2.6E+01	2.0E-06	1.0E-03	5.4E-08	1.6E-01	5.5E-02	4.6E-10	4.3E+01	6.2E-06	1.0E-03	2.8E-07	1.6E-01	5.5E-02	2.4E-09
3.1E+01	2.0E-06	1.0E-03	6.3E-08	1.6E-01	5.5E-02	5.4E-10	1.5E+01	6.2E-06	1.0E-03	9.9E-08	1.6E-01	5.5E-02	8.5E-10
3.4E+01	2.0E-06	1.0E-03	7.0E-08	1.6E-01	5.5E-02	6.0E-10	2.2E+01	6.2E-06	1.0E-03	1.4E-07	1.6E-01	5.5E-02	1.2E-09
3.5E+01	2.0E-06	1.0E-03	7.2E-08	1.6E-01	5.5E-02	6.2E-10	3.2E+01	6.2E-06	1.0E-03	2.1E-07	1.6E-01	5.5E-02	1.8E-09
3.3E+01	2.0E-06	1.0E-03	6.9E-08	1.6E-01	5.5E-02	5.9E-10	4.6E+01	6.2E-06	1.0E-03	3.0E-07	1.6E-01	5.5E-02	2.6E-09
3.0E+01	2.0E-06	1.0E-03	6.3E-08	1.6E-01	5.5E-02	5.4E-10	4.7E+01	6.2E-06	1.0E-03	3.1E-07	1.6E-01	5.5E-02	2.6E-09
2.7E+01	2.0E-06	1.0E-03	5.6E-08	1.6E-01	5.5E-02	4.8E-10	3.5E+01	6.2E-06	1.0E-03	2.3E-07	1.6E-01	5.5E-02	2.0E-09
2.4E+01	2.0E-06	1.0E-03	4.9E-08	1.6E-01	5.5E-02	4.3E-10	2.6E+01	6.2E-06	1.0E-03	1.7E-07	1.6E-01	5.5E-02	1.5E-09
2.1E+01	2.0E-06	1.0E-03	4.4E-08	1.6E-01	5.5E-02	3.8E-10	6.8E+01	6.2E-06	1.0E-03	4.4E-07	1.6E-01	5.5E-02	3.8E-09
1.9E+01	2.0E-06	1.0E-03	3.9E-08	1.6E-01	5.5E-02	3.3E-10	5.2E+01	6.2E-06	1.0E-03	3.4E-07	1.6E-01	5.5E-02	2.9E-09
1.7E+01	2.0E-06	1.0E-03	3.4E-08	1.6E-01	5.5E-02	2.9E-10	4.0E+01	6.2E-06	1.0E-03	2.6E-07	1.6E-01	5.5E-02	2.2E-09
1.5E+01	2.0E-06	1.0E-03	3.0E-08	1.6E-01	5.5E-02	2.6E-10	3.2E+01	6.2E-06	1.0E-03	2.1E-07	1.6E-01	5.5E-02	1.8E-09
1.3E+01	2.0E-06	1.0E-03	2.7E-08	1.6E-01	5.5E-02	2.3E-10	2.6E+01	6.2E-06	1.0E-03	1.7E-07	1.6E-01	5.5E-02	1.4E-09
1.2E+01	2.0E-06	1.0E-03	2.4E-08	1.6E-01	5.5E-02	2.1E-10	2.1E+01	6.2E-06	1.0E-03	1.4E-07	1.6E-01	5.5E-02	1.2E-09

1.0E+01	2.0E-06	1.0E-03	2.2E-08	1.6E-01	5.5E-02	1.9E-10	1.8E+01	6.2E-06	1.0E-03	1.1E-07	1.6E-01	5.5E-02	9.9E-10
9.4E+00	2.0E-06	1.0E-03	1.9E-08	1.6E-01	5.5E-02	1.7E-10	1.5E+01	6.2E-06	1.0E-03	9.7E-08	1.6E-01	5.5E-02	8.3E-10
8.4E+00	2.0E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-02	1.5E-10	1.3E+01	6.2E-06	1.0E-03	8.3E-08	1.6E-01	5.5E-02	7.1E-10
7.6E+00	2.0E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-02	1.3E-10	1.1E+01	6.2E-06	1.0E-03	7.1E-08	1.6E-01	5.5E-02	6.1E-10
6.9E+00	2.0E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10	9.6E+00	6.2E-06	1.0E-03	6.2E-08	1.6E-01	5.5E-02	5.3E-10
6.2E+00	2.0E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10	8.4E+00	6.2E-06	1.0E-03	5.5E-08	1.6E-01	5.5E-02	4.7E-10
5.7E+00	2.0E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.0E-10	7.4E+00	6.2E-06	1.0E-03	4.8E-08	1.6E-01	5.5E-02	4.2E-10
5.2E+00	2.0E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.2E-11	6.6E+00	6.2E-06	1.0E-03	4.3E-08	1.6E-01	5.5E-02	3.7E-10
4.8E+00	2.0E-06	1.0E-03	9.8E-09	1.6E-01	5.5E-02	8.4E-11	5.9E+00	6.2E-06	1.0E-03	3.8E-08	1.6E-01	5.5E-02	3.3E-10
1.8E+01	2.0E-06	1.0E-03	3.6E-08	1.6E-01	5.5E-02	3.1E-10	1.8E+01	6.2E-06	1.0E-03	1.2E-07	1.6E-01	5.5E-02	1.0E-09
2.3E+01	2.0E-06	1.0E-03	4.7E-08	1.6E-01	5.5E-02	4.0E-10	2.5E+01	6.2E-06	1.0E-03	1.6E-07	1.6E-01	5.5E-02	1.4E-09
2.9E+01	2.0E-06	1.0E-03	6.0E-08	1.6E-01	5.5E-02	5.2E-10	3.7E+01	6.2E-06	1.0E-03	2.4E-07	1.6E-01	5.5E-02	2.0E-09
3.8E+01	2.0E-06	1.0E-03	7.8E-08	1.6E-01	5.5E-02	6.7E-10	5.7E+01	6.2E-06	1.0E-03	3.7E-07	1.6E-01	5.5E-02	3.2E-09
4.8E+01	2.0E-06	1.0E-03	9.8E-08	1.6E-01	5.5E-02	8.4E-10	1.8E+01	6.2E-06	1.0E-03	1.2E-07	1.6E-01	5.5E-02	1.0E-09
5.4E+01	2.0E-06	1.0E-03	1.1E-07	1.6E-01	5.5E-02	9.5E-10	2.7E+01	6.2E-06	1.0E-03	1.8E-07	1.6E-01	5.5E-02	1.5E-09
5.3E+01	2.0E-06	1.0E-03	1.1E-07	1.6E-01	5.5E-02	9.4E-10	4.4E+01	6.2E-06	1.0E-03	2.8E-07	1.6E-01	5.5E-02	2.4E-09
4.7E+01	2.0E-06	1.0E-03	9.6E-08	1.6E-01	5.5E-02	8.3E-10	0.0E+00	6.2E-06	1.0E-03	0.0E+00	1.6E-01	5.5E-02	0.0E+00
4.0E+01	2.0E-06	1.0E-03	8.2E-08	1.6E-01	5.5E-02	7.1E-10	0.0E+00	6.2E-06	1.0E-03	0.0E+00	1.6E-01	5.5E-02	0.0E+00
3.4E+01	2.0E-06	1.0E-03	6.9E-08	1.6E-01	5.5E-02	6.0E-10	4.3E+01	6.2E-06	1.0E-03	2.8E-07	1.6E-01	5.5E-02	2.4E-09
2.9E+01	2.0E-06	1.0E-03	5.9E-08	1.6E-01	5.5E-02	5.1E-10	3.0E+01	6.2E-06	1.0E-03	2.0E-07	1.6E-01	5.5E-02	1.7E-09
2.4E+01	2.0E-06	1.0E-03	5.0E-08	1.6E-01	5.5E-02	4.3E-10	2.2E+01	6.2E-06	1.0E-03	1.5E-07	1.6E-01	5.5E-02	1.3E-09
2.1E+01	2.0E-06	1.0E-03	4.3E-08	1.6E-01	5.5E-02	3.7E-10	6.1E+01	6.2E-06	1.0E-03	4.0E-07	1.6E-01	5.5E-02	3.4E-09
1.8E+01	2.0E-06	1.0E-03	3.8E-08	1.6E-01	5.5E-02	3.2E-10	4.4E+01	6.2E-06	1.0E-03	2.9E-07	1.6E-01	5.5E-02	2.5E-09
1.6E+01	2.0E-06	1.0E-03	3.3E-08	1.6E-01	5.5E-02	2.8E-10	3.4E+01	6.2E-06	1.0E-03	2.2E-07	1.6E-01	5.5E-02	1.9E-09
1.4E+01	2.0E-06	1.0E-03	2.9E-08	1.6E-01	5.5E-02	2.5E-10	2.7E+01	6.2E-06	1.0E-03	1.7E-07	1.6E-01	5.5E-02	1.5E-09
1.2E+01	2.0E-06	1.0E-03	2.5E-08	1.6E-01	5.5E-02	2.2E-10	2.2E+01	6.2E-06	1.0E-03	1.4E-07	1.6E-01	5.5E-02	1.2E-09
1.1E+01	2.0E-06	1.0E-03	2.2E-08	1.6E-01	5.5E-02	1.9E-10	1.8E+01	6.2E-06	1.0E-03	1.2E-07	1.6E-01	5.5E-02	1.0E-09
9.7E+00	2.0E-06	1.0E-03	2.0E-08	1.6E-01	5.5E-02	1.7E-10	1.5E+01	6.2E-06	1.0E-03	9.7E-08	1.6E-01	5.5E-02	8.3E-10
8.7E+00	2.0E-06	1.0E-03	1.8E-08	1.6E-01	5.5E-02	1.5E-10	1.3E+01	6.2E-06	1.0E-03	8.2E-08	1.6E-01	5.5E-02	7.1E-10
7.8E+00	2.0E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-02	1.4E-10	1.1E+01	6.2E-06	1.0E-03	7.0E-08	1.6E-01	5.5E-02	6.1E-10
7.0E+00	2.0E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10	9.4E+00	6.2E-06	1.0E-03	6.1E-08	1.6E-01	5.5E-02	5.3E-10
6.3E+00	2.0E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10	8.2E+00	6.2E-06	1.0E-03	5.4E-08	1.6E-01	5.5E-02	4.6E-10
5.7E+00	2.0E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.0E-10	7.3E+00	6.2E-06	1.0E-03	4.7E-08	1.6E-01	5.5E-02	4.1E-10
5.2E+00	2.0E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.2E-11	6.5E+00	6.2E-06	1.0E-03	4.2E-08	1.6E-01	5.5E-02	3.6E-10
4.8E+00	2.0E-06	1.0E-03	9.8E-09	1.6E-01	5.5E-02	8.4E-11	5.8E+00	6.2E-06	1.0E-03	3.8E-08	1.6E-01	5.5E-02	3.2E-10
2.1E+01	2.0E-06	1.0E-03	4.4E-08	1.6E-01	5.5E-02	3.8E-10	1.9E+01	6.2E-06	1.0E-03	1.2E-07	1.6E-01	5.5E-02	1.1E-09
2.9E+01	2.0E-06	1.0E-03	5.9E-08	1.6E-01	5.5E-02	5.1E-10	2.7E+01	6.2E-06	1.0E-03	1.8E-07	1.6E-01	5.5E-02	1.5E-09
4.0E+01	2.0E-06	1.0E-03	8.2E-08	1.6E-01	5.5E-02	7.1E-10	4.1E+01	6.2E-06	1.0E-03	2.7E-07	1.6E-01	5.5E-02	2.3E-09
5.7E+01	2.0E-06	1.0E-03	1.2E-07	1.6E-01	5.5E-02	1.0E-09	1.3E+01	6.2E-06	1.0E-03	8.5E-08	1.6E-01	5.5E-02	7.3E-10
2.2E+01	2.0E-06	1.0E-03	4.6E-08	1.6E-01	5.5E-02	4.0E-10	2.0E+01	6.2E-06	1.0E-03	1.3E-07	1.6E-01	5.5E-02	1.1E-09
2.5E+01	2.0E-06	1.0E-03	5.1E-08	1.6E-01	5.5E-02	4.4E-10	3.1E+01	6.2E-06	1.0E-03	2.0E-07	1.6E-01	5.5E-02	1.7E-09
2.6E+01	2.0E-06	1.0E-03	5.3E-08	1.6E-01	5.5E-02	4.6E-10	0.0E+00	6.2E-06	1.0E-03	0.0E+00	1.6E-01	5.5E-02	0.0E+00
6.8E+01	2.0E-06	1.0E-03	1.4E-07	1.6E-01	5.5E-02	1.2E-09	0.0E+00	6.2E-06	1.0E-03	0.0E+00	1.6E-01	5.5E-02	0.0E+00
5.2E+01	2.0E-06	1.0E-03	1.1E-07	1.6E-01	5.5E-02	9.2E-10	0.0E+00	6.2E-06	1.0E-03	0.0E+00	1.6E-01	5.5E-02	0.0E+00
4.1E+01	2.0E-06	1.0E-03	8.4E-08	1.6E-01	5.5E-02	7.2E-10	5.0E+01	6.2E-06	1.0E-03	3.2E-07	1.6E-01	5.5E-02	2.8E-09
3.3E+01	2.0E-06	1.0E-03	6.8E-08	1.6E-01	5.5E-02	5.9E-10	3.2E+01	6.2E-06	1.0E-03	2.1E-07	1.6E-01	5.5E-02	1.8E-09

2.8E+01	2.0E-06	1.0E-03	5.7E-08	1.6E-01	5.5E-02	4.9E-10	2.3E+01	6.2E-06	1.0E-03	1.5E-07	1.6E-01	5.5E-02	1.3E-09
2.3E+01	2.0E-06	1.0E-03	4.8E-08	1.6E-01	5.5E-02	4.1E-10	6.8E+01	6.2E-06	1.0E-03	4.4E-07	1.6E-01	5.5E-02	3.8E-09
2.0E+01	2.0E-06	1.0E-03	4.1E-08	1.6E-01	5.5E-02	3.5E-10	4.6E+01	6.2E-06	1.0E-03	3.0E-07	1.6E-01	5.5E-02	2.6E-09
1.7E+01	2.0E-06	1.0E-03	3.5E-08	1.6E-01	5.5E-02	3.0E-10	3.4E+01	6.2E-06	1.0E-03	2.2E-07	1.6E-01	5.5E-02	1.9E-09
1.5E+01	2.0E-06	1.0E-03	3.0E-08	1.6E-01	5.5E-02	2.6E-10	2.7E+01	6.2E-06	1.0E-03	1.7E-07	1.6E-01	5.5E-02	1.5E-09
1.3E+01	2.0E-06	1.0E-03	2.6E-08	1.6E-01	5.5E-02	2.3E-10	2.1E+01	6.2E-06	1.0E-03	1.4E-07	1.6E-01	5.5E-02	1.2E-09
1.1E+01	2.0E-06	1.0E-03	2.3E-08	1.6E-01	5.5E-02	2.0E-10	1.8E+01	6.2E-06	1.0E-03	1.1E-07	1.6E-01	5.5E-02	9.8E-10
9.9E+00	2.0E-06	1.0E-03	2.0E-08	1.6E-01	5.5E-02	1.8E-10	1.5E+01	6.2E-06	1.0E-03	9.5E-08	1.6E-01	5.5E-02	8.2E-10
8.8E+00	2.0E-06	1.0E-03	1.8E-08	1.6E-01	5.5E-02	1.6E-10	1.2E+01	6.2E-06	1.0E-03	8.0E-08	1.6E-01	5.5E-02	6.9E-10
7.8E+00	2.0E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-02	1.4E-10	1.1E+01	6.2E-06	1.0E-03	6.9E-08	1.6E-01	5.5E-02	5.9E-10
7.0E+00	2.0E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10	9.2E+00	6.2E-06	1.0E-03	5.9E-08	1.6E-01	5.5E-02	5.1E-10
6.3E+00	2.0E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10	8.0E+00	6.2E-06	1.0E-03	5.2E-08	1.6E-01	5.5E-02	4.5E-10
5.7E+00	2.0E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.0E-10	7.0E+00	6.2E-06	1.0E-03	4.6E-08	1.6E-01	5.5E-02	3.9E-10
5.2E+00	2.0E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.2E-11	6.3E+00	6.2E-06	1.0E-03	4.1E-08	1.6E-01	5.5E-02	3.5E-10
4.7E+00	2.0E-06	1.0E-03	9.7E-09	1.6E-01	5.5E-02	8.3E-11	5.6E+00	6.2E-06	1.0E-03	3.6E-08	1.6E-01	5.5E-02	3.1E-10
2.5E+01	2.0E-06	1.0E-03	5.2E-08	1.6E-01	5.5E-02	4.4E-10	1.9E+01	6.2E-06	1.0E-03	1.2E-07	1.6E-01	5.5E-02	1.1E-09
3.6E+01	2.0E-06	1.0E-03	7.3E-08	1.6E-01	5.5E-02	6.3E-10	2.7E+01	6.2E-06	1.0E-03	1.8E-07	1.6E-01	5.5E-02	1.5E-09
5.3E+01	2.0E-06	1.0E-03	1.1E-07	1.6E-01	5.5E-02	9.4E-10	4.2E+01	6.2E-06	1.0E-03	2.7E-07	1.6E-01	5.5E-02	2.3E-09
2.8E+01	2.0E-06	1.0E-03	5.7E-08	1.6E-01	5.5E-02	4.9E-10	1.3E+01	6.2E-06	1.0E-03	8.6E-08	1.6E-01	5.5E-02	7.4E-10
3.4E+01	2.0E-06	1.0E-03	7.0E-08	1.6E-01	5.5E-02	6.0E-10	2.0E+01	6.2E-06	1.0E-03	1.3E-07	1.6E-01	5.5E-02	1.1E-09
1.3E+01	2.0E-06	1.0E-03	2.7E-08	1.6E-01	5.5E-02	2.3E-10	2.1E+01	6.2E-06	1.0E-03	1.3E-07	1.6E-01	5.5E-02	1.1E-09
1.1E+01	2.0E-06	1.0E-03	2.4E-08	1.6E-01	5.5E-02	2.0E-10	1.7E+01	6.2E-06	1.0E-03	1.1E-07	1.6E-01	5.5E-02	9.4E-10
1.0E+01	2.0E-06	1.0E-03	2.1E-08	1.6E-01	5.5E-02	1.8E-10	1.4E+01	6.2E-06	1.0E-03	9.1E-08	1.6E-01	5.5E-02	7.8E-10
8.8E+00	2.0E-06	1.0E-03	1.8E-08	1.6E-01	5.5E-02	1.6E-10	1.2E+01	6.2E-06	1.0E-03	7.7E-08	1.6E-01	5.5E-02	6.6E-10
7.8E+00	2.0E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-02	1.4E-10	1.0E+01	6.2E-06	1.0E-03	6.6E-08	1.6E-01	5.5E-02	5.7E-10
7.0E+00	2.0E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10	8.8E+00	6.2E-06	1.0E-03	5.7E-08	1.6E-01	5.5E-02	4.9E-10
6.3E+00	2.0E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10	7.7E+00	6.2E-06	1.0E-03	5.0E-08	1.6E-01	5.5E-02	4.3E-10
5.6E+00	2.0E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.0E-10	6.8E+00	6.2E-06	1.0E-03	4.4E-08	1.6E-01	5.5E-02	3.8E-10
5.1E+00	2.0E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-02	9.0E-11	6.0E+00	6.2E-06	1.0E-03	3.9E-08	1.6E-01	5.5E-02	3.4E-10
4.6E+00	2.0E-06	1.0E-03	9.5E-09	1.6E-01	5.5E-02	8.2E-11	5.4E+00	6.2E-06	1.0E-03	3.5E-08	1.6E-01	5.5E-02	3.0E-10
2.9E+01	2.0E-06	1.0E-03	5.9E-08	1.6E-01	5.5E-02	5.0E-10	1.8E+01	6.2E-06	1.0E-03	1.2E-07	1.6E-01	5.5E-02	1.0E-09
4.2E+01	2.0E-06	1.0E-03	8.5E-08	1.6E-01	5.5E-02	7.3E-10	2.6E+01	6.2E-06	1.0E-03	1.7E-07	1.6E-01	5.5E-02	1.4E-09
6.4E+01	2.0E-06	1.0E-03	1.3E-07	1.6E-01	5.5E-02	1.1E-09	3.8E+01	6.2E-06	1.0E-03	2.4E-07	1.6E-01	5.5E-02	2.1E-09
4.2E+01	2.0E-06	1.0E-03	8.7E-08	1.6E-01	5.5E-02	7.5E-10	1.2E+01	6.2E-06	1.0E-03	8.1E-08	1.6E-01	5.5E-02	7.0E-10
5.7E+01	2.0E-06	1.0E-03	1.2E-07	1.6E-01	5.5E-02	1.0E-09	1.8E+01	6.2E-06	1.0E-03	1.2E-07	1.6E-01	5.5E-02	1.0E-09
1.3E+01	2.0E-06	1.0E-03	2.7E-08	1.6E-01	5.5E-02	2.3E-10	1.9E+01	6.2E-06	1.0E-03	1.2E-07	1.6E-01	5.5E-02	1.1E-09
1.1E+01	2.0E-06	1.0E-03	2.4E-08	1.6E-01	5.5E-02	2.0E-10	1.6E+01	6.2E-06	1.0E-03	1.0E-07	1.6E-01	5.5E-02	8.8E-10
1.0E+01	2.0E-06	1.0E-03	2.0E-08	1.6E-01	5.5E-02	1.8E-10	1.3E+01	6.2E-06	1.0E-03	8.5E-08	1.6E-01	5.5E-02	7.4E-10
8.8E+00	2.0E-06	1.0E-03	1.8E-08	1.6E-01	5.5E-02	1.5E-10	1.1E+01	6.2E-06	1.0E-03	7.2E-08	1.6E-01	5.5E-02	6.2E-10
7.7E+00	2.0E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-02	1.4E-10	9.6E+00	6.2E-06	1.0E-03	6.2E-08	1.6E-01	5.5E-02	5.4E-10
6.9E+00	2.0E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10	8.3E+00	6.2E-06	1.0E-03	5.4E-08	1.6E-01	5.5E-02	4.6E-10
6.1E+00	2.0E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10	7.3E+00	6.2E-06	1.0E-03	4.7E-08	1.6E-01	5.5E-02	4.1E-10
5.5E+00	2.0E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.8E-11	6.4E+00	6.2E-06	1.0E-03	4.2E-08	1.6E-01	5.5E-02	3.6E-10
5.0E+00	2.0E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-02	8.8E-11	5.7E+00	6.2E-06	1.0E-03	3.7E-08	1.6E-01	5.5E-02	3.2E-10
4.5E+00	2.0E-06	1.0E-03	9.3E-09	1.6E-01	5.5E-02	8.0E-11	5.1E+00	6.2E-06	1.0E-03	3.3E-08	1.6E-01	5.5E-02	2.9E-10
3.1E+01	2.0E-06	1.0E-03	6.4E-08	1.6E-01	5.5E-02	5.5E-10	1.6E+01	6.2E-06	1.0E-03	1.1E-07	1.6E-01	5.5E-02	9.2E-10

4.5E+01	2.0E-06	1.0E-03	9.3E-08	1.6E-01	5.5E-02	8.0E-10	2.2E+01	6.2E-06	1.0E-03	1.4E-07	1.6E-01	5.5E-02	1.2E-09
7.1E+01	2.0E-06	1.0E-03	1.5E-07	1.6E-01	5.5E-02	1.3E-09	3.1E+01	6.2E-06	1.0E-03	2.0E-07	1.6E-01	5.5E-02	1.7E-09
1.7E+01	2.0E-06	1.0E-03	3.4E-08	1.6E-01	5.5E-02	2.9E-10	4.5E+01	6.2E-06	1.0E-03	2.9E-07	1.6E-01	5.5E-02	2.5E-09
2.0E+01	2.0E-06	1.0E-03	4.2E-08	1.6E-01	5.5E-02	3.6E-10	1.5E+01	6.2E-06	1.0E-03	9.9E-08	1.6E-01	5.5E-02	8.6E-10
1.3E+01	2.0E-06	1.0E-03	2.7E-08	1.6E-01	5.5E-02	2.3E-10	1.7E+01	6.2E-06	1.0E-03	1.1E-07	1.6E-01	5.5E-02	9.7E-10
1.1E+01	2.0E-06	1.0E-03	2.3E-08	1.6E-01	5.5E-02	2.0E-10	1.4E+01	6.2E-06	1.0E-03	9.3E-08	1.6E-01	5.5E-02	8.0E-10
9.8E+00	2.0E-06	1.0E-03	2.0E-08	1.6E-01	5.5E-02	1.7E-10	1.2E+01	6.2E-06	1.0E-03	7.9E-08	1.6E-01	5.5E-02	6.8E-10
8.6E+00	2.0E-06	1.0E-03	1.8E-08	1.6E-01	5.5E-02	1.5E-10	1.0E+01	6.2E-06	1.0E-03	6.7E-08	1.6E-01	5.5E-02	5.8E-10
7.6E+00	2.0E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-02	1.3E-10	9.0E+00	6.2E-06	1.0E-03	5.8E-08	1.6E-01	5.5E-02	5.0E-10
6.7E+00	2.0E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10	7.8E+00	6.2E-06	1.0E-03	5.1E-08	1.6E-01	5.5E-02	4.4E-10
6.0E+00	2.0E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.1E-10	6.9E+00	6.2E-06	1.0E-03	4.5E-08	1.6E-01	5.5E-02	3.8E-10
5.4E+00	2.0E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.5E-11	6.1E+00	6.2E-06	1.0E-03	3.9E-08	1.6E-01	5.5E-02	3.4E-10
4.9E+00	2.0E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-02	8.6E-11	5.4E+00	6.2E-06	1.0E-03	3.5E-08	1.6E-01	5.5E-02	3.0E-10
4.4E+00	2.0E-06	1.0E-03	9.1E-09	1.6E-01	5.5E-02	7.8E-11	4.9E+00	6.2E-06	1.0E-03	3.1E-08	1.6E-01	5.5E-02	2.7E-10
3.2E+01	2.0E-06	1.0E-03	6.6E-08	1.6E-01	5.5E-02	5.7E-10	1.5E+01	6.2E-06	1.0E-03	9.4E-08	1.6E-01	5.5E-02	8.1E-10
4.7E+01	2.0E-06	1.0E-03	9.7E-08	1.6E-01	5.5E-02	8.4E-10	1.9E+01	6.2E-06	1.0E-03	1.2E-07	1.6E-01	5.5E-02	1.0E-09
7.5E+01	2.0E-06	1.0E-03	1.5E-07	1.6E-01	5.5E-02	1.3E-09	2.5E+01	6.2E-06	1.0E-03	1.6E-07	1.6E-01	5.5E-02	1.4E-09
6.2E+01	2.0E-06	1.0E-03	1.3E-07	1.6E-01	5.5E-02	1.1E-09	3.3E+01	6.2E-06	1.0E-03	2.1E-07	1.6E-01	5.5E-02	1.8E-09
3.4E+01	2.0E-06	1.0E-03	6.9E-08	1.6E-01	5.5E-02	6.0E-10	4.4E+01	6.2E-06	1.0E-03	2.8E-07	1.6E-01	5.5E-02	2.4E-09
1.3E+01	2.0E-06	1.0E-03	2.6E-08	1.6E-01	5.5E-02	2.3E-10	1.5E+01	6.2E-06	1.0E-03	9.9E-08	1.6E-01	5.5E-02	8.6E-10
1.1E+01	2.0E-06	1.0E-03	2.3E-08	1.6E-01	5.5E-02	1.9E-10	1.3E+01	6.2E-06	1.0E-03	8.4E-08	1.6E-01	5.5E-02	7.3E-10
9.5E+00	2.0E-06	1.0E-03	2.0E-08	1.6E-01	5.5E-02	1.7E-10	1.1E+01	6.2E-06	1.0E-03	7.2E-08	1.6E-01	5.5E-02	6.2E-10
8.3E+00	2.0E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-02	1.5E-10	9.6E+00	6.2E-06	1.0E-03	6.2E-08	1.6E-01	5.5E-02	5.3E-10
7.3E+00	2.0E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-02	1.3E-10	8.3E+00	6.2E-06	1.0E-03	5.4E-08	1.6E-01	5.5E-02	4.6E-10
6.5E+00	2.0E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.2E-10	7.3E+00	6.2E-06	1.0E-03	4.7E-08	1.6E-01	5.5E-02	4.1E-10
5.8E+00	2.0E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.0E-10	6.4E+00	6.2E-06	1.0E-03	4.2E-08	1.6E-01	5.5E-02	3.6E-10
5.2E+00	2.0E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.2E-11	5.7E+00	6.2E-06	1.0E-03	3.7E-08	1.6E-01	5.5E-02	3.2E-10
4.7E+00	2.0E-06	1.0E-03	9.6E-09	1.6E-01	5.5E-02	8.3E-11	5.1E+00	6.2E-06	1.0E-03	3.3E-08	1.6E-01	5.5E-02	2.8E-10
4.3E+00	2.0E-06	1.0E-03	8.7E-09	1.6E-01	5.5E-02	7.5E-11	4.6E+00	6.2E-06	1.0E-03	3.0E-08	1.6E-01	5.5E-02	2.6E-10
3.2E+01	2.0E-06	1.0E-03	6.6E-08	1.6E-01	5.5E-02	5.6E-10	1.3E+01	6.2E-06	1.0E-03	8.1E-08	1.6E-01	5.5E-02	7.0E-10
4.7E+01	2.0E-06	1.0E-03	9.7E-08	1.6E-01	5.5E-02	8.3E-10	1.6E+01	6.2E-06	1.0E-03	1.0E-07	1.6E-01	5.5E-02	8.7E-10
7.4E+01	2.0E-06	1.0E-03	1.5E-07	1.6E-01	5.5E-02	1.3E-09	2.0E+01	6.2E-06	1.0E-03	1.3E-07	1.6E-01	5.5E-02	1.1E-09
6.2E+01	2.0E-06	1.0E-03	1.3E-07	1.6E-01	5.5E-02	1.1E-09	2.4E+01	6.2E-06	1.0E-03	1.6E-07	1.6E-01	5.5E-02	1.4E-09
3.0E+01	2.0E-06	1.0E-03	6.1E-08	1.6E-01	5.5E-02	5.3E-10	3.0E+01	6.2E-06	1.0E-03	2.0E-07	1.6E-01	5.5E-02	1.7E-09
1.2E+01	2.0E-06	1.0E-03	2.5E-08	1.6E-01	5.5E-02	2.2E-10	1.3E+01	6.2E-06	1.0E-03	8.7E-08	1.6E-01	5.5E-02	7.5E-10
1.1E+01	2.0E-06	1.0E-03	2.2E-08	1.6E-01	5.5E-02	1.9E-10	1.2E+01	6.2E-06	1.0E-03	7.5E-08	1.6E-01	5.5E-02	6.5E-10
9.1E+00	2.0E-06	1.0E-03	1.9E-08	1.6E-01	5.5E-02	1.6E-10	1.0E+01	6.2E-06	1.0E-03	6.5E-08	1.6E-01	5.5E-02	5.6E-10
8.0E+00	2.0E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-02	1.4E-10	8.7E+00	6.2E-06	1.0E-03	5.7E-08	1.6E-01	5.5E-02	4.9E-10
7.0E+00	2.0E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10	7.7E+00	6.2E-06	1.0E-03	5.0E-08	1.6E-01	5.5E-02	4.3E-10
6.2E+00	2.0E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10	6.8E+00	6.2E-06	1.0E-03	4.4E-08	1.6E-01	5.5E-02	3.8E-10
5.6E+00	2.0E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.9E-11	6.0E+00	6.2E-06	1.0E-03	3.9E-08	1.6E-01	5.5E-02	3.4E-10
5.0E+00	2.0E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-02	8.9E-11	5.3E+00	6.2E-06	1.0E-03	3.5E-08	1.6E-01	5.5E-02	3.0E-10
4.5E+00	2.0E-06	1.0E-03	9.3E-09	1.6E-01	5.5E-02	8.0E-11	4.8E+00	6.2E-06	1.0E-03	3.1E-08	1.6E-01	5.5E-02	2.7E-10
4.1E+00	2.0E-06	1.0E-03	8.4E-09	1.6E-01	5.5E-02	7.2E-11	4.3E+00	6.2E-06	1.0E-03	2.8E-08	1.6E-01	5.5E-02	2.4E-10
3.0E+01	2.0E-06	1.0E-03	6.2E-08	1.6E-01	5.5E-02	5.4E-10	1.1E+01	6.2E-06	1.0E-03	6.9E-08	1.6E-01	5.5E-02	6.0E-10
4.5E+01	2.0E-06	1.0E-03	9.2E-08	1.6E-01	5.5E-02	7.9E-10	1.3E+01	6.2E-06	1.0E-03	8.4E-08	1.6E-01	5.5E-02	7.2E-10

7.0E+01	2.0E-06	1.0E-03	1.4E-07	1.6E-01	5.5E-02	1.2E-09	1.6E+01	6.2E-06	1.0E-03	1.0E-07	1.6E-01	5.5E-02	8.8E-10
1.5E+01	2.0E-06	1.0E-03	3.1E-08	1.6E-01	5.5E-02	2.7E-10	1.9E+01	6.2E-06	1.0E-03	1.2E-07	1.6E-01	5.5E-02	1.1E-09
1.8E+01	2.0E-06	1.0E-03	3.6E-08	1.6E-01	5.5E-02	3.1E-10	2.2E+01	6.2E-06	1.0E-03	1.5E-07	1.6E-01	5.5E-02	1.3E-09
1.2E+01	2.0E-06	1.0E-03	2.4E-08	1.6E-01	5.5E-02	2.0E-10	1.2E+01	6.2E-06	1.0E-03	7.6E-08	1.6E-01	5.5E-02	6.6E-10
1.0E+01	2.0E-06	1.0E-03	2.1E-08	1.6E-01	5.5E-02	1.8E-10	1.0E+01	6.2E-06	1.0E-03	6.7E-08	1.6E-01	5.5E-02	5.8E-10
8.7E+00	2.0E-06	1.0E-03	1.8E-08	1.6E-01	5.5E-02	1.5E-10	9.0E+00	6.2E-06	1.0E-03	5.9E-08	1.6E-01	5.5E-02	5.0E-10
7.6E+00	2.0E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-02	1.3E-10	7.9E+00	6.2E-06	1.0E-03	5.2E-08	1.6E-01	5.5E-02	4.4E-10
6.7E+00	2.0E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10	7.0E+00	6.2E-06	1.0E-03	4.6E-08	1.6E-01	5.5E-02	3.9E-10
6.0E+00	2.0E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.1E-10	6.2E+00	6.2E-06	1.0E-03	4.1E-08	1.6E-01	5.5E-02	3.5E-10
5.3E+00	2.0E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.4E-11	5.6E+00	6.2E-06	1.0E-03	3.6E-08	1.6E-01	5.5E-02	3.1E-10
4.8E+00	2.0E-06	1.0E-03	9.9E-09	1.6E-01	5.5E-02	8.5E-11	5.0E+00	6.2E-06	1.0E-03	3.3E-08	1.6E-01	5.5E-02	2.8E-10
4.3E+00	2.0E-06	1.0E-03	8.9E-09	1.6E-01	5.5E-02	7.6E-11	4.5E+00	6.2E-06	1.0E-03	2.9E-08	1.6E-01	5.5E-02	2.5E-10
3.9E+00	2.0E-06	1.0E-03	8.1E-09	1.6E-01	5.5E-02	6.9E-11	4.1E+00	6.2E-06	1.0E-03	2.6E-08	1.6E-01	5.5E-02	2.3E-10
2.8E+01	2.0E-06	1.0E-03	5.7E-08	1.6E-01	5.5E-02	4.9E-10	9.1E+00	6.2E-06	1.0E-03	5.9E-08	1.6E-01	5.5E-02	5.1E-10
4.0E+01	2.0E-06	1.0E-03	8.2E-08	1.6E-01	5.5E-02	7.0E-10	1.1E+01	6.2E-06	1.0E-03	6.9E-08	1.6E-01	5.5E-02	6.0E-10
6.1E+01	2.0E-06	1.0E-03	1.3E-07	1.6E-01	5.5E-02	1.1E-09	1.3E+01	6.2E-06	1.0E-03	8.2E-08	1.6E-01	5.5E-02	7.0E-10
3.9E+01	2.0E-06	1.0E-03	8.0E-08	1.6E-01	5.5E-02	6.9E-10	1.5E+01	6.2E-06	1.0E-03	9.6E-08	1.6E-01	5.5E-02	8.3E-10
5.0E+01	2.0E-06	1.0E-03	1.0E-07	1.6E-01	5.5E-02	8.9E-10	1.7E+01	6.2E-06	1.0E-03	1.1E-07	1.6E-01	5.5E-02	9.7E-10
1.1E+01	2.0E-06	1.0E-03	2.2E-08	1.6E-01	5.5E-02	1.9E-10	1.0E+01	6.2E-06	1.0E-03	6.7E-08	1.6E-01	5.5E-02	5.8E-10
9.3E+00	2.0E-06	1.0E-03	1.9E-08	1.6E-01	5.5E-02	1.7E-10	9.1E+00	6.2E-06	1.0E-03	5.9E-08	1.6E-01	5.5E-02	5.1E-10
8.2E+00	2.0E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-02	1.4E-10	8.1E+00	6.2E-06	1.0E-03	5.3E-08	1.6E-01	5.5E-02	4.5E-10
7.2E+00	2.0E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-02	1.3E-10	7.2E+00	6.2E-06	1.0E-03	4.7E-08	1.6E-01	5.5E-02	4.0E-10
6.3E+00	2.0E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10	6.4E+00	6.2E-06	1.0E-03	4.2E-08	1.6E-01	5.5E-02	3.6E-10
5.7E+00	2.0E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.0E-10	5.8E+00	6.2E-06	1.0E-03	3.7E-08	1.6E-01	5.5E-02	3.2E-10
5.1E+00	2.0E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-02	9.0E-11	5.2E+00	6.2E-06	1.0E-03	3.4E-08	1.6E-01	5.5E-02	2.9E-10
4.6E+00	2.0E-06	1.0E-03	9.4E-09	1.6E-01	5.5E-02	8.1E-11	4.7E+00	6.2E-06	1.0E-03	3.0E-08	1.6E-01	5.5E-02	2.6E-10
4.1E+00	2.0E-06	1.0E-03	8.5E-09	1.6E-01	5.5E-02	7.3E-11	4.2E+00	6.2E-06	1.0E-03	2.8E-08	1.6E-01	5.5E-02	2.4E-10
3.7E+00	2.0E-06	1.0E-03	7.7E-09	1.6E-01	5.5E-02	6.6E-11	3.9E+00	6.2E-06	1.0E-03	2.5E-08	1.6E-01	5.5E-02	2.2E-10
2.4E+01	2.0E-06	1.0E-03	4.9E-08	1.6E-01	5.5E-02	4.2E-10	7.8E+00	6.2E-06	1.0E-03	5.0E-08	1.6E-01	5.5E-02	4.3E-10
3.4E+01	2.0E-06	1.0E-03	6.9E-08	1.6E-01	5.5E-02	6.0E-10	9.0E+00	6.2E-06	1.0E-03	5.8E-08	1.6E-01	5.5E-02	5.0E-10
5.0E+01	2.0E-06	1.0E-03	1.0E-07	1.6E-01	5.5E-02	8.8E-10	1.0E+01	6.2E-06	1.0E-03	6.7E-08	1.6E-01	5.5E-02	5.8E-10
2.6E+01	2.0E-06	1.0E-03	5.3E-08	1.6E-01	5.5E-02	4.6E-10	1.2E+01	6.2E-06	1.0E-03	7.8E-08	1.6E-01	5.5E-02	6.7E-10
3.1E+01	2.0E-06	1.0E-03	6.3E-08	1.6E-01	5.5E-02	5.4E-10	1.4E+01	6.2E-06	1.0E-03	8.9E-08	1.6E-01	5.5E-02	7.7E-10
9.9E+00	2.0E-06	1.0E-03	2.0E-08	1.6E-01	5.5E-02	1.8E-10	9.1E+00	6.2E-06	1.0E-03	5.9E-08	1.6E-01	5.5E-02	5.1E-10
8.7E+00	2.0E-06	1.0E-03	1.8E-08	1.6E-01	5.5E-02	1.5E-10	8.1E+00	6.2E-06	1.0E-03	5.3E-08	1.6E-01	5.5E-02	4.6E-10
7.6E+00	2.0E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-02	1.3E-10	7.3E+00	6.2E-06	1.0E-03	4.7E-08	1.6E-01	5.5E-02	4.1E-10
6.7E+00	2.0E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10	6.6E+00	6.2E-06	1.0E-03	4.3E-08	1.6E-01	5.5E-02	3.7E-10
6.0E+00	2.0E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.1E-10	5.9E+00	6.2E-06	1.0E-03	3.8E-08	1.6E-01	5.5E-02	3.3E-10
5.3E+00	2.0E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.5E-11	5.3E+00	6.2E-06	1.0E-03	3.5E-08	1.6E-01	5.5E-02	3.0E-10
4.8E+00	2.0E-06	1.0E-03	9.9E-09	1.6E-01	5.5E-02	8.5E-11	4.8E+00	6.2E-06	1.0E-03	3.1E-08	1.6E-01	5.5E-02	2.7E-10
4.3E+00	2.0E-06	1.0E-03	8.9E-09	1.6E-01	5.5E-02	7.7E-11	4.4E+00	6.2E-06	1.0E-03	2.8E-08	1.6E-01	5.5E-02	2.5E-10
3.9E+00	2.0E-06	1.0E-03	8.1E-09	1.6E-01	5.5E-02	7.0E-11	4.0E+00	6.2E-06	1.0E-03	2.6E-08	1.6E-01	5.5E-02	2.2E-10
3.6E+00	2.0E-06	1.0E-03	7.4E-09	1.6E-01	5.5E-02	6.3E-11	3.6E+00	6.2E-06	1.0E-03	2.4E-08	1.6E-01	5.5E-02	2.0E-10
2.0E+01	2.0E-06	1.0E-03	4.2E-08	1.6E-01	5.5E-02	3.6E-10	6.7E+00	6.2E-06	1.0E-03	4.4E-08	1.6E-01	5.5E-02	3.8E-10
2.7E+01	2.0E-06	1.0E-03	5.6E-08	1.6E-01	5.5E-02	4.8E-10	7.7E+00	6.2E-06	1.0E-03	5.0E-08	1.6E-01	5.5E-02	4.3E-10
3.8E+01	2.0E-06	1.0E-03	7.8E-08	1.6E-01	5.5E-02	6.7E-10	8.8E+00	6.2E-06	1.0E-03	5.7E-08	1.6E-01	5.5E-02	4.9E-10

5.3E+01	2.0E-06	1.0E-03	1.1E-07	1.6E-01	5.5E-02	9.4E-10	1.0E+01	6.2E-06	1.0E-03	6.5E-08	1.6E-01	5.5E-02	5.6E-10
2.0E+01	2.0E-06	1.0E-03	4.2E-08	1.6E-01	5.5E-02	3.6E-10	1.1E+01	6.2E-06	1.0E-03	7.2E-08	1.6E-01	5.5E-02	6.2E-10
9.1E+00	2.0E-06	1.0E-03	1.9E-08	1.6E-01	5.5E-02	1.6E-10	8.0E+00	6.2E-06	1.0E-03	5.2E-08	1.6E-01	5.5E-02	4.5E-10
8.0E+00	2.0E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-02	1.4E-10	7.3E+00	6.2E-06	1.0E-03	4.7E-08	1.6E-01	5.5E-02	4.1E-10
7.1E+00	2.0E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-02	1.2E-10	6.6E+00	6.2E-06	1.0E-03	4.3E-08	1.6E-01	5.5E-02	3.7E-10
6.3E+00	2.0E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10	6.0E+00	6.2E-06	1.0E-03	3.9E-08	1.6E-01	5.5E-02	3.3E-10
5.6E+00	2.0E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	9.9E-11	5.4E+00	6.2E-06	1.0E-03	3.5E-08	1.6E-01	5.5E-02	3.0E-10
5.0E+00	2.0E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-02	8.9E-11	4.9E+00	6.2E-06	1.0E-03	3.2E-08	1.6E-01	5.5E-02	2.8E-10
4.5E+00	2.0E-06	1.0E-03	9.3E-09	1.6E-01	5.5E-02	8.0E-11	4.5E+00	6.2E-06	1.0E-03	2.9E-08	1.6E-01	5.5E-02	2.5E-10
4.1E+00	2.0E-06	1.0E-03	8.4E-09	1.6E-01	5.5E-02	7.3E-11	4.1E+00	6.2E-06	1.0E-03	2.7E-08	1.6E-01	5.5E-02	2.3E-10
3.7E+00	2.0E-06	1.0E-03	7.7E-09	1.6E-01	5.5E-02	6.6E-11	3.8E+00	6.2E-06	1.0E-03	2.4E-08	1.6E-01	5.5E-02	2.1E-10
3.4E+00	2.0E-06	1.0E-03	7.0E-09	1.6E-01	5.5E-02	6.0E-11	3.4E+00	6.2E-06	1.0E-03	2.2E-08	1.6E-01	5.5E-02	1.9E-10
1.7E+01	2.0E-06	1.0E-03	3.5E-08	1.6E-01	5.5E-02	3.0E-10	5.9E+00	6.2E-06	1.0E-03	3.8E-08	1.6E-01	5.5E-02	3.3E-10
2.2E+01	2.0E-06	1.0E-03	4.4E-08	1.6E-01	5.5E-02	3.8E-10	6.6E+00	6.2E-06	1.0E-03	4.3E-08	1.6E-01	5.5E-02	3.7E-10
2.8E+01	2.0E-06	1.0E-03	5.7E-08	1.6E-01	5.5E-02	4.9E-10	7.4E+00	6.2E-06	1.0E-03	4.8E-08	1.6E-01	5.5E-02	4.1E-10
3.6E+01	2.0E-06	1.0E-03	7.3E-08	1.6E-01	5.5E-02	6.3E-10	8.3E+00	6.2E-06	1.0E-03	5.4E-08	1.6E-01	5.5E-02	4.6E-10
4.3E+01	2.0E-06	1.0E-03	8.7E-08	1.6E-01	5.5E-02	7.5E-10	9.2E+00	6.2E-06	1.0E-03	6.0E-08	1.6E-01	5.5E-02	5.1E-10
8.3E+00	2.0E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-02	1.5E-10	7.1E+00	6.2E-06	1.0E-03	4.6E-08	1.6E-01	5.5E-02	4.0E-10
7.4E+00	2.0E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-02	1.3E-10	6.6E+00	6.2E-06	1.0E-03	4.3E-08	1.6E-01	5.5E-02	3.7E-10
6.5E+00	2.0E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.2E-10	6.0E+00	6.2E-06	1.0E-03	3.9E-08	1.6E-01	5.5E-02	3.3E-10
5.8E+00	2.0E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.0E-10	5.5E+00	6.2E-06	1.0E-03	3.6E-08	1.6E-01	5.5E-02	3.1E-10
5.2E+00	2.0E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.3E-11	5.0E+00	6.2E-06	1.0E-03	3.2E-08	1.6E-01	5.5E-02	2.8E-10
4.7E+00	2.0E-06	1.0E-03	9.7E-09	1.6E-01	5.5E-02	8.4E-11	4.6E+00	6.2E-06	1.0E-03	3.0E-08	1.6E-01	5.5E-02	2.6E-10
4.3E+00	2.0E-06	1.0E-03	8.8E-09	1.6E-01	5.5E-02	7.6E-11	4.2E+00	6.2E-06	1.0E-03	2.7E-08	1.6E-01	5.5E-02	2.3E-10
3.9E+00	2.0E-06	1.0E-03	8.0E-09	1.6E-01	5.5E-02	6.9E-11	3.8E+00	6.2E-06	1.0E-03	2.5E-08	1.6E-01	5.5E-02	2.1E-10
3.5E+00	2.0E-06	1.0E-03	7.3E-09	1.6E-01	5.5E-02	6.3E-11	3.5E+00	6.2E-06	1.0E-03	2.3E-08	1.6E-01	5.5E-02	2.0E-10
3.2E+00	2.0E-06	1.0E-03	6.6E-09	1.6E-01	5.5E-02	5.7E-11	3.2E+00	6.2E-06	1.0E-03	2.1E-08	1.6E-01	5.5E-02	1.8E-10
1.4E+01	2.0E-06	1.0E-03	2.9E-08	1.6E-01	5.5E-02	2.5E-10	5.2E+00	6.2E-06	1.0E-03	3.4E-08	1.6E-01	5.5E-02	2.9E-10
1.7E+01	2.0E-06	1.0E-03	3.5E-08	1.6E-01	5.5E-02	3.0E-10	5.8E+00	6.2E-06	1.0E-03	3.7E-08	1.6E-01	5.5E-02	3.2E-10
2.1E+01	2.0E-06	1.0E-03	4.3E-08	1.6E-01	5.5E-02	3.7E-10	6.4E+00	6.2E-06	1.0E-03	4.2E-08	1.6E-01	5.5E-02	3.6E-10
2.5E+01	2.0E-06	1.0E-03	5.1E-08	1.6E-01	5.5E-02	4.4E-10	7.1E+00	6.2E-06	1.0E-03	4.6E-08	1.6E-01	5.5E-02	4.0E-10
2.8E+01	2.0E-06	1.0E-03	5.8E-08	1.6E-01	5.5E-02	5.0E-10	7.8E+00	6.2E-06	1.0E-03	5.0E-08	1.6E-01	5.5E-02	4.3E-10
7.6E+00	2.0E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-02	1.3E-10	6.4E+00	6.2E-06	1.0E-03	4.1E-08	1.6E-01	5.5E-02	3.6E-10
6.8E+00	2.0E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10	5.9E+00	6.2E-06	1.0E-03	3.8E-08	1.6E-01	5.5E-02	3.3E-10
6.0E+00	2.0E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.1E-10	5.4E+00	6.2E-06	1.0E-03	3.5E-08	1.6E-01	5.5E-02	3.0E-10
5.4E+00	2.0E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.5E-11	5.0E+00	6.2E-06	1.0E-03	3.2E-08	1.6E-01	5.5E-02	2.8E-10
4.9E+00	2.0E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-02	8.6E-11	4.6E+00	6.2E-06	1.0E-03	3.0E-08	1.6E-01	5.5E-02	2.6E-10
4.4E+00	2.0E-06	1.0E-03	9.0E-09	1.6E-01	5.5E-02	7.8E-11	4.2E+00	6.2E-06	1.0E-03	2.7E-08	1.6E-01	5.5E-02	2.4E-10
4.0E+00	2.0E-06	1.0E-03	8.2E-09	1.6E-01	5.5E-02	7.1E-11	3.9E+00	6.2E-06	1.0E-03	2.5E-08	1.6E-01	5.5E-02	2.2E-10
3.7E+00	2.0E-06	1.0E-03	7.5E-09	1.6E-01	5.5E-02	6.5E-11	3.6E+00	6.2E-06	1.0E-03	2.3E-08	1.6E-01	5.5E-02	2.0E-10
3.3E+00	2.0E-06	1.0E-03	6.9E-09	1.6E-01	5.5E-02	5.9E-11	3.3E+00	6.2E-06	1.0E-03	2.1E-08	1.6E-01	5.5E-02	1.8E-10
3.0E+00	2.0E-06	1.0E-03	6.3E-09	1.6E-01	5.5E-02	5.4E-11	3.0E+00	6.2E-06	1.0E-03	2.0E-08	1.6E-01	5.5E-02	1.7E-10
1.2E+01	2.0E-06	1.0E-03	2.4E-08	1.6E-01	5.5E-02	2.0E-10	4.6E+00	6.2E-06	1.0E-03	3.0E-08	1.6E-01	5.5E-02	2.6E-10
1.4E+01	2.0E-06	1.0E-03	2.8E-08	1.6E-01	5.5E-02	2.4E-10	5.1E+00	6.2E-06	1.0E-03	3.3E-08	1.6E-01	5.5E-02	2.8E-10
1.6E+01	2.0E-06	1.0E-03	3.3E-08	1.6E-01	5.5E-02	2.9E-10	5.6E+00	6.2E-06	1.0E-03	3.6E-08	1.6E-01	5.5E-02	3.1E-10
1.8E+01	2.0E-06	1.0E-03	3.8E-08	1.6E-01	5.5E-02	3.2E-10	6.1E+00	6.2E-06	1.0E-03	4.0E-08	1.6E-01	5.5E-02	3.4E-10

2.0E+01	2.0E-06	1.0E-03	4.1E-08	1.6E-01	5.5E-02	3.5E-10	6.6E+00	6.2E-06	1.0E-03	4.3E-08	1.6E-01	5.5E-02	3.7E-10
6.9E+00	2.0E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10	5.7E+00	6.2E-06	1.0E-03	3.7E-08	1.6E-01	5.5E-02	3.2E-10
6.2E+00	2.0E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10	5.3E+00	6.2E-06	1.0E-03	3.5E-08	1.6E-01	5.5E-02	3.0E-10
5.5E+00	2.0E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.8E-11	4.9E+00	6.2E-06	1.0E-03	3.2E-08	1.6E-01	5.5E-02	2.8E-10
5.0E+00	2.0E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-02	8.8E-11	4.6E+00	6.2E-06	1.0E-03	3.0E-08	1.6E-01	5.5E-02	2.5E-10
4.5E+00	2.0E-06	1.0E-03	9.2E-09	1.6E-01	5.5E-02	7.9E-11	4.2E+00	6.2E-06	1.0E-03	2.7E-08	1.6E-01	5.5E-02	2.3E-10
4.0E+00	2.0E-06	1.0E-03	8.3E-09	1.6E-01	5.5E-02	7.1E-11	3.8E+00	6.2E-06	1.0E-03	2.5E-08	1.6E-01	5.5E-02	2.1E-10
3.7E+00	2.0E-06	1.0E-03	7.6E-09	1.6E-01	5.5E-02	6.5E-11	3.6E+00	6.2E-06	1.0E-03	2.3E-08	1.6E-01	5.5E-02	2.0E-10
3.4E+00	2.0E-06	1.0E-03	7.0E-09	1.6E-01	5.5E-02	6.0E-11	3.3E+00	6.2E-06	1.0E-03	2.1E-08	1.6E-01	5.5E-02	1.8E-10
3.1E+00	2.0E-06	1.0E-03	6.4E-09	1.6E-01	5.5E-02	5.5E-11	3.1E+00	6.2E-06	1.0E-03	2.0E-08	1.6E-01	5.5E-02	1.7E-10
2.9E+00	2.0E-06	1.0E-03	5.9E-09	1.6E-01	5.5E-02	5.1E-11	2.8E+00	6.2E-06	1.0E-03	1.8E-08	1.6E-01	5.5E-02	1.6E-10
9.6E+00	2.0E-06	1.0E-03	2.0E-08	1.6E-01	5.5E-02	1.7E-10	4.1E+00	6.2E-06	1.0E-03	2.6E-08	1.6E-01	5.5E-02	2.3E-10
1.1E+01	2.0E-06	1.0E-03	2.3E-08	1.6E-01	5.5E-02	2.0E-10	4.5E+00	6.2E-06	1.0E-03	2.9E-08	1.6E-01	5.5E-02	2.5E-10
1.3E+01	2.0E-06	1.0E-03	2.6E-08	1.6E-01	5.5E-02	2.3E-10	4.9E+00	6.2E-06	1.0E-03	3.2E-08	1.6E-01	5.5E-02	2.7E-10
1.4E+01	2.0E-06	1.0E-03	2.9E-08	1.6E-01	5.5E-02	2.5E-10	5.3E+00	6.2E-06	1.0E-03	3.5E-08	1.6E-01	5.5E-02	3.0E-10
1.5E+01	2.0E-06	1.0E-03	3.1E-08	1.6E-01	5.5E-02	2.7E-10	5.7E+00	6.2E-06	1.0E-03	3.7E-08	1.6E-01	5.5E-02	3.2E-10
5.7E+00	2.0E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.0E-10	4.9E+00	6.2E-06	1.0E-03	3.1E-08	1.6E-01	5.5E-02	2.7E-10
5.1E+00	2.0E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.1E-11	4.5E+00	6.2E-06	1.0E-03	2.9E-08	1.6E-01	5.5E-02	2.5E-10
4.6E+00	2.0E-06	1.0E-03	9.5E-09	1.6E-01	5.5E-02	8.2E-11	4.2E+00	6.2E-06	1.0E-03	2.7E-08	1.6E-01	5.5E-02	2.3E-10
4.1E+00	2.0E-06	1.0E-03	8.3E-09	1.6E-01	5.5E-02	7.2E-11	3.8E+00	6.2E-06	1.0E-03	2.4E-08	1.6E-01	5.5E-02	2.1E-10
3.7E+00	2.0E-06	1.0E-03	7.6E-09	1.6E-01	5.5E-02	6.5E-11	3.5E+00	6.2E-06	1.0E-03	2.3E-08	1.6E-01	5.5E-02	1.9E-10
3.4E+00	2.0E-06	1.0E-03	6.9E-09	1.6E-01	5.5E-02	6.0E-11	3.2E+00	6.2E-06	1.0E-03	2.1E-08	1.6E-01	5.5E-02	1.8E-10
3.1E+00	2.0E-06	1.0E-03	6.4E-09	1.6E-01	5.5E-02	5.5E-11	3.0E+00	6.2E-06	1.0E-03	2.0E-08	1.6E-01	5.5E-02	1.7E-10
2.9E+00	2.0E-06	1.0E-03	5.9E-09	1.6E-01	5.5E-02	5.1E-11	2.8E+00	6.2E-06	1.0E-03	1.8E-08	1.6E-01	5.5E-02	1.6E-10
2.7E+00	2.0E-06	1.0E-03	5.5E-09	1.6E-01	5.5E-02	4.7E-11	2.6E+00	6.2E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-02	1.5E-10
8.2E+00	2.0E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-02	1.4E-10	3.7E+00	6.2E-06	1.0E-03	2.4E-08	1.6E-01	5.5E-02	2.1E-10
9.3E+00	2.0E-06	1.0E-03	1.9E-08	1.6E-01	5.5E-02	1.6E-10	4.0E+00	6.2E-06	1.0E-03	2.6E-08	1.6E-01	5.5E-02	2.2E-10
1.0E+01	2.0E-06	1.0E-03	2.1E-08	1.6E-01	5.5E-02	1.8E-10	4.3E+00	6.2E-06	1.0E-03	2.8E-08	1.6E-01	5.5E-02	2.4E-10
1.1E+01	2.0E-06	1.0E-03	2.3E-08	1.6E-01	5.5E-02	2.0E-10	4.7E+00	6.2E-06	1.0E-03	3.0E-08	1.6E-01	5.5E-02	2.6E-10
1.2E+01	2.0E-06	1.0E-03	2.4E-08	1.6E-01	5.5E-02	2.1E-10	5.0E+00	6.2E-06	1.0E-03	3.2E-08	1.6E-01	5.5E-02	2.8E-10
4.8E+00	2.0E-06	1.0E-03	9.8E-09	1.6E-01	5.5E-02	8.5E-11	4.2E+00	6.2E-06	1.0E-03	2.7E-08	1.6E-01	5.5E-02	2.3E-10
4.3E+00	2.0E-06	1.0E-03	8.9E-09	1.6E-01	5.5E-02	7.7E-11	3.9E+00	6.2E-06	1.0E-03	2.5E-08	1.6E-01	5.5E-02	2.2E-10
3.9E+00	2.0E-06	1.0E-03	8.0E-09	1.6E-01	5.5E-02	6.9E-11	3.6E+00	6.2E-06	1.0E-03	2.3E-08	1.6E-01	5.5E-02	2.0E-10
3.6E+00	2.0E-06	1.0E-03	7.3E-09	1.6E-01	5.5E-02	6.3E-11	3.3E+00	6.2E-06	1.0E-03	2.2E-08	1.6E-01	5.5E-02	1.9E-10
3.3E+00	2.0E-06	1.0E-03	6.7E-09	1.6E-01	5.5E-02	5.8E-11	3.1E+00	6.2E-06	1.0E-03	2.0E-08	1.6E-01	5.5E-02	1.7E-10
3.0E+00	2.0E-06	1.0E-03	6.1E-09	1.6E-01	5.5E-02	5.3E-11	2.9E+00	6.2E-06	1.0E-03	1.9E-08	1.6E-01	5.5E-02	1.6E-10
2.7E+00	2.0E-06	1.0E-03	5.6E-09	1.6E-01	5.5E-02	4.8E-11	2.7E+00	6.2E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-02	1.5E-10
2.5E+00	2.0E-06	1.0E-03	5.1E-09	1.6E-01	5.5E-02	4.4E-11	2.5E+00	6.2E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-02	1.4E-10
7.0E+00	2.0E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10	3.3E+00	6.2E-06	1.0E-03	2.2E-08	1.6E-01	5.5E-02	1.9E-10
7.8E+00	2.0E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-02	1.4E-10	3.6E+00	6.2E-06	1.0E-03	2.3E-08	1.6E-01	5.5E-02	2.0E-10
8.5E+00	2.0E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-02	1.5E-10	3.9E+00	6.2E-06	1.0E-03	2.5E-08	1.6E-01	5.5E-02	2.2E-10
9.1E+00	2.0E-06	1.0E-03	1.9E-08	1.6E-01	5.5E-02	1.6E-10	4.1E+00	6.2E-06	1.0E-03	2.7E-08	1.6E-01	5.5E-02	2.3E-10
9.7E+00	2.0E-06	1.0E-03	2.0E-08	1.6E-01	5.5E-02	1.7E-10	4.4E+00	6.2E-06	1.0E-03	2.8E-08	1.6E-01	5.5E-02	2.5E-10
4.1E+00	2.0E-06	1.0E-03	8.4E-09	1.6E-01	5.5E-02	7.2E-11	3.6E+00	6.2E-06	1.0E-03	2.4E-08	1.6E-01	5.5E-02	2.0E-10
3.8E+00	2.0E-06	1.0E-03	7.8E-09	1.6E-01	5.5E-02	6.7E-11	3.4E+00	6.2E-06	1.0E-03	2.2E-08	1.6E-01	5.5E-02	1.9E-10
3.5E+00	2.0E-06	1.0E-03	7.1E-09	1.6E-01	5.5E-02	6.2E-11	3.2E+00	6.2E-06	1.0E-03	2.1E-08	1.6E-01	5.5E-02	1.8E-10

3.2E+00	2.0E-06	1.0E-03	6.5E-09	1.6E-01	5.5E-02	5.6E-11	3.0E+00	6.2E-06	1.0E-03	1.9E-08	1.6E-01	5.5E-02	1.7E-10
2.9E+00	2.0E-06	1.0E-03	6.0E-09	1.6E-01	5.5E-02	5.2E-11	2.8E+00	6.2E-06	1.0E-03	1.8E-08	1.6E-01	5.5E-02	1.6E-10
2.7E+00	2.0E-06	1.0E-03	5.5E-09	1.6E-01	5.5E-02	4.7E-11	2.6E+00	6.2E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-02	1.5E-10
2.4E+00	2.0E-06	1.0E-03	5.0E-09	1.6E-01	5.5E-02	4.3E-11	2.4E+00	6.2E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-02	1.3E-10
6.0E+00	2.0E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.1E-10	3.0E+00	6.2E-06	1.0E-03	2.0E-08	1.6E-01	5.5E-02	1.7E-10
6.6E+00	2.0E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10	3.3E+00	6.2E-06	1.0E-03	2.1E-08	1.6E-01	5.5E-02	1.8E-10
7.1E+00	2.0E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-02	1.3E-10	3.5E+00	6.2E-06	1.0E-03	2.3E-08	1.6E-01	5.5E-02	1.9E-10
7.6E+00	2.0E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-02	1.3E-10	3.7E+00	6.2E-06	1.0E-03	2.4E-08	1.6E-01	5.5E-02	2.1E-10
8.0E+00	2.0E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-02	1.4E-10	3.9E+00	6.2E-06	1.0E-03	2.5E-08	1.6E-01	5.5E-02	2.2E-10
3.5E+00	2.0E-06	1.0E-03	7.3E-09	1.6E-01	5.5E-02	6.3E-11	3.2E+00	6.2E-06	1.0E-03	2.1E-08	1.6E-01	5.5E-02	1.8E-10
3.3E+00	2.0E-06	1.0E-03	6.7E-09	1.6E-01	5.5E-02	5.8E-11	3.0E+00	6.2E-06	1.0E-03	2.0E-08	1.6E-01	5.5E-02	1.7E-10
3.0E+00	2.0E-06	1.0E-03	6.2E-09	1.6E-01	5.5E-02	5.4E-11	2.8E+00	6.2E-06	1.0E-03	1.8E-08	1.6E-01	5.5E-02	1.6E-10
2.8E+00	2.0E-06	1.0E-03	5.7E-09	1.6E-01	5.5E-02	5.0E-11	2.7E+00	6.2E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-02	1.5E-10
2.6E+00	2.0E-06	1.0E-03	5.3E-09	1.6E-01	5.5E-02	4.6E-11	2.5E+00	6.2E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-02	1.4E-10
2.4E+00	2.0E-06	1.0E-03	4.9E-09	1.6E-01	5.5E-02	4.2E-11	2.3E+00	6.2E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-02	1.3E-10
5.2E+00	2.0E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.2E-11	2.7E+00	6.2E-06	1.0E-03	1.8E-08	1.6E-01	5.5E-02	1.5E-10
5.7E+00	2.0E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.0E-10	2.9E+00	6.2E-06	1.0E-03	1.9E-08	1.6E-01	5.5E-02	1.6E-10
6.1E+00	2.0E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10	3.1E+00	6.2E-06	1.0E-03	2.0E-08	1.6E-01	5.5E-02	1.8E-10
6.5E+00	2.0E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10	3.3E+00	6.2E-06	1.0E-03	2.2E-08	1.6E-01	5.5E-02	1.9E-10
6.8E+00	2.0E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10	3.5E+00	6.2E-06	1.0E-03	2.3E-08	1.6E-01	5.5E-02	1.9E-10
3.3E+00	2.0E-06	1.0E-03	6.9E-09	1.6E-01	5.5E-02	5.9E-11	3.0E+00	6.2E-06	1.0E-03	1.9E-08	1.6E-01	5.5E-02	1.7E-10
3.1E+00	2.0E-06	1.0E-03	6.4E-09	1.6E-01	5.5E-02	5.5E-11	2.8E+00	6.2E-06	1.0E-03	1.8E-08	1.6E-01	5.5E-02	1.6E-10
2.9E+00	2.0E-06	1.0E-03	5.9E-09	1.6E-01	5.5E-02	5.1E-11	2.7E+00	6.2E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-02	1.5E-10
2.7E+00	2.0E-06	1.0E-03	5.5E-09	1.6E-01	5.5E-02	4.7E-11	2.5E+00	6.2E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-02	1.4E-10
2.5E+00	2.0E-06	1.0E-03	5.1E-09	1.6E-01	5.5E-02	4.4E-11	2.4E+00	6.2E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-02	1.3E-10
2.3E+00	2.0E-06	1.0E-03	4.7E-09	1.6E-01	5.5E-02	4.0E-11	2.2E+00	6.2E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10
4.6E+00	2.0E-06	1.0E-03	9.4E-09	1.6E-01	5.5E-02	8.1E-11	2.5E+00	6.2E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-02	1.4E-10
4.9E+00	2.0E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-02	8.7E-11	2.7E+00	6.2E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-02	1.5E-10
5.3E+00	2.0E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.3E-11	2.8E+00	6.2E-06	1.0E-03	1.8E-08	1.6E-01	5.5E-02	1.6E-10
5.6E+00	2.0E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.8E-11	3.0E+00	6.2E-06	1.0E-03	1.9E-08	1.6E-01	5.5E-02	1.7E-10
5.8E+00	2.0E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.0E-10	3.1E+00	6.2E-06	1.0E-03	2.0E-08	1.6E-01	5.5E-02	1.8E-10
3.1E+00	2.0E-06	1.0E-03	6.5E-09	1.6E-01	5.5E-02	5.6E-11	2.8E+00	6.2E-06	1.0E-03	1.8E-08	1.6E-01	5.5E-02	1.6E-10
2.9E+00	2.0E-06	1.0E-03	6.0E-09	1.6E-01	5.5E-02	5.2E-11	2.6E+00	6.2E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-02	1.5E-10
2.7E+00	2.0E-06	1.0E-03	5.6E-09	1.6E-01	5.5E-02	4.8E-11	2.5E+00	6.2E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-02	1.4E-10
2.5E+00	2.0E-06	1.0E-03	5.2E-09	1.6E-01	5.5E-02	4.5E-11	2.4E+00	6.2E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-02	1.3E-10
2.4E+00	2.0E-06	1.0E-03	4.9E-09	1.6E-01	5.5E-02	4.2E-11	2.2E+00	6.2E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-02	1.3E-10
2.2E+00	2.0E-06	1.0E-03	4.5E-09	1.6E-01	5.5E-02	3.9E-11	2.1E+00	6.2E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10
4.1E+00	2.0E-06	1.0E-03	8.3E-09	1.6E-01	5.5E-02	7.2E-11	2.3E+00	6.2E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-02	1.3E-10
4.3E+00	2.0E-06	1.0E-03	8.9E-09	1.6E-01	5.5E-02	7.7E-11	2.4E+00	6.2E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-02	1.4E-10
4.6E+00	2.0E-06	1.0E-03	9.5E-09	1.6E-01	5.5E-02	8.1E-11	2.6E+00	6.2E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-02	1.4E-10
4.8E+00	2.0E-06	1.0E-03	9.9E-09	1.6E-01	5.5E-02	8.6E-11	2.7E+00	6.2E-06	1.0E-03	1.8E-08	1.6E-01	5.5E-02	1.5E-10
5.0E+00	2.0E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-02	8.9E-11	2.8E+00	6.2E-06	1.0E-03	1.8E-08	1.6E-01	5.5E-02	1.6E-10
3.0E+00	2.0E-06	1.0E-03	6.1E-09	1.6E-01	5.5E-02	5.2E-11	2.6E+00	6.2E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-02	1.4E-10
2.8E+00	2.0E-06	1.0E-03	5.7E-09	1.6E-01	5.5E-02	4.9E-11	2.5E+00	6.2E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-02	1.4E-10
2.6E+00	2.0E-06	1.0E-03	5.3E-09	1.6E-01	5.5E-02	4.6E-11	2.4E+00	6.2E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-02	1.3E-10
2.4E+00	2.0E-06	1.0E-03	5.0E-09	1.6E-01	5.5E-02	4.3E-11	2.2E+00	6.2E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-02	1.3E-10

2.3E+00	2.0E-06	1.0E-03	4.7E-09	1.6E-01	5.5E-02	4.0E-11	2.1E+00	6.2E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10
2.1E+00	2.0E-06	1.0E-03	4.3E-09	1.6E-01	5.5E-02	3.7E-11	2.0E+00	6.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10
3.6E+00	2.0E-06	1.0E-03	7.4E-09	1.6E-01	5.5E-02	6.4E-11	2.1E+00	6.2E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10
3.8E+00	2.0E-06	1.0E-03	7.9E-09	1.6E-01	5.5E-02	6.8E-11	2.2E+00	6.2E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-02	1.3E-10
4.1E+00	2.0E-06	1.0E-03	8.3E-09	1.6E-01	5.5E-02	7.2E-11	2.4E+00	6.2E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-02	1.3E-10
4.3E+00	2.0E-06	1.0E-03	8.7E-09	1.6E-01	5.5E-02	7.5E-11	2.5E+00	6.2E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-02	1.4E-10
4.4E+00	2.0E-06	1.0E-03	9.1E-09	1.6E-01	5.5E-02	7.8E-11	2.6E+00	6.2E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-02	1.4E-10
2.8E+00	2.0E-06	1.0E-03	5.7E-09	1.6E-01	5.5E-02	4.9E-11	2.4E+00	6.2E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-02	1.4E-10
2.6E+00	2.0E-06	1.0E-03	5.4E-09	1.6E-01	5.5E-02	4.6E-11	2.3E+00	6.2E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-02	1.3E-10
2.5E+00	2.0E-06	1.0E-03	5.1E-09	1.6E-01	5.5E-02	4.3E-11	2.2E+00	6.2E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10
2.3E+00	2.0E-06	1.0E-03	4.7E-09	1.6E-01	5.5E-02	4.1E-11	2.1E+00	6.2E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10
2.2E+00	2.0E-06	1.0E-03	4.4E-09	1.6E-01	5.5E-02	3.8E-11	2.0E+00	6.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10
2.0E+00	2.0E-06	1.0E-03	4.2E-09	1.6E-01	5.5E-02	3.6E-11	1.9E+00	6.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.1E-10
3.2E+00	2.0E-06	1.0E-03	6.7E-09	1.6E-01	5.5E-02	5.7E-11	2.0E+00	6.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10
3.4E+00	2.0E-06	1.0E-03	7.1E-09	1.6E-01	5.5E-02	6.1E-11	2.1E+00	6.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.2E-10
3.6E+00	2.0E-06	1.0E-03	7.4E-09	1.6E-01	5.5E-02	6.4E-11	2.2E+00	6.2E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10
3.8E+00	2.0E-06	1.0E-03	7.8E-09	1.6E-01	5.5E-02	6.7E-11	2.3E+00	6.2E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-02	1.3E-10
3.9E+00	2.0E-06	1.0E-03	8.0E-09	1.6E-01	5.5E-02	6.9E-11	2.4E+00	6.2E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-02	1.3E-10
4.0E+00	2.0E-06	1.0E-03	8.3E-09	1.6E-01	5.5E-02	7.1E-11	2.4E+00	6.2E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-02	1.4E-10
4.1E+00	2.0E-06	1.0E-03	8.4E-09	1.6E-01	5.5E-02	7.3E-11	2.5E+00	6.2E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-02	1.4E-10
4.1E+00	2.0E-06	1.0E-03	8.5E-09	1.6E-01	5.5E-02	7.3E-11	2.6E+00	6.2E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-02	1.4E-10
4.1E+00	2.0E-06	1.0E-03	8.5E-09	1.6E-01	5.5E-02	7.3E-11	2.6E+00	6.2E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-02	1.5E-10
4.1E+00	2.0E-06	1.0E-03	8.4E-09	1.6E-01	5.5E-02	7.3E-11	2.7E+00	6.2E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-02	1.5E-10
4.0E+00	2.0E-06	1.0E-03	8.3E-09	1.6E-01	5.5E-02	7.2E-11	2.7E+00	6.2E-06	1.0E-03	1.8E-08	1.6E-01	5.5E-02	1.5E-10
3.9E+00	2.0E-06	1.0E-03	8.1E-09	1.6E-01	5.5E-02	7.0E-11	2.7E+00	6.2E-06	1.0E-03	1.8E-08	1.6E-01	5.5E-02	1.5E-10
3.8E+00	2.0E-06	1.0E-03	7.9E-09	1.6E-01	5.5E-02	6.8E-11	2.7E+00	6.2E-06	1.0E-03	1.8E-08	1.6E-01	5.5E-02	1.5E-10
3.7E+00	2.0E-06	1.0E-03	7.6E-09	1.6E-01	5.5E-02	6.6E-11	2.7E+00	6.2E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-02	1.5E-10
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3.4E+00	2.0E-06	1.0E-03	7.0E-09	1.6E-01	5.5E-02	6.0E-11	2.6E+00	6.2E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-02	1.5E-10
3.3E+00	2.0E-06	1.0E-03	6.7E-09	1.6E-01	5.5E-02	5.8E-11	2.6E+00	6.2E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-02	1.4E-10
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2.9E+00	2.0E-06	1.0E-03	6.0E-09	1.6E-01	5.5E-02	5.2E-11	2.4E+00	6.2E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-02	1.4E-10
2.8E+00	2.0E-06	1.0E-03	5.7E-09	1.6E-01	5.5E-02	4.9E-11	2.3E+00	6.2E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-02	1.3E-10
2.6E+00	2.0E-06	1.0E-03	5.4E-09	1.6E-01	5.5E-02	4.6E-11	2.3E+00	6.2E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-02	1.3E-10
2.5E+00	2.0E-06	1.0E-03	5.1E-09	1.6E-01	5.5E-02	4.4E-11	2.2E+00	6.2E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10
2.3E+00	2.0E-06	1.0E-03	4.8E-09	1.6E-01	5.5E-02	4.1E-11	2.1E+00	6.2E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10
2.2E+00	2.0E-06	1.0E-03	4.5E-09	1.6E-01	5.5E-02	3.9E-11	2.0E+00	6.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10
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1.9E+00	2.0E-06	1.0E-03	4.0E-09	1.6E-01	5.5E-02	3.4E-11	1.8E+00	6.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.0E-10
2.9E+00	2.0E-06	1.0E-03	6.0E-09	1.6E-01	5.5E-02	5.2E-11	1.8E+00	6.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.0E-10
3.1E+00	2.0E-06	1.0E-03	6.3E-09	1.6E-01	5.5E-02	5.5E-11	1.9E+00	6.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.1E-10
3.2E+00	2.0E-06	1.0E-03	6.7E-09	1.6E-01	5.5E-02	5.7E-11	2.0E+00	6.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10
3.4E+00	2.0E-06	1.0E-03	6.9E-09	1.6E-01	5.5E-02	6.0E-11	2.1E+00	6.2E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10
3.5E+00	2.0E-06	1.0E-03	7.2E-09	1.6E-01	5.5E-02	6.2E-11	2.2E+00	6.2E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10
3.6E+00	2.0E-06	1.0E-03	7.4E-09	1.6E-01	5.5E-02	6.4E-11	2.2E+00	6.2E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-02	1.3E-10
3.7E+00	2.0E-06	1.0E-03	7.5E-09	1.6E-01	5.5E-02	6.5E-11	2.3E+00	6.2E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-02	1.3E-10

3.7E+00	2.0E-06	1.0E-03	7.6E-09	1.6E-01	5.5E-02	6.5E-11	2.4E+00	6.2E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-02	1.3E-10
3.7E+00	2.0E-06	1.0E-03	7.6E-09	1.6E-01	5.5E-02	6.6E-11	2.4E+00	6.2E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-02	1.3E-10
3.7E+00	2.0E-06	1.0E-03	7.6E-09	1.6E-01	5.5E-02	6.5E-11	2.4E+00	6.2E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-02	1.4E-10
3.6E+00	2.0E-06	1.0E-03	7.5E-09	1.6E-01	5.5E-02	6.5E-11	2.5E+00	6.2E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-02	1.4E-10
3.6E+00	2.0E-06	1.0E-03	7.3E-09	1.6E-01	5.5E-02	6.3E-11	2.5E+00	6.2E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-02	1.4E-10
3.5E+00	2.0E-06	1.0E-03	7.2E-09	1.6E-01	5.5E-02	6.2E-11	2.5E+00	6.2E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-02	1.4E-10
3.4E+00	2.0E-06	1.0E-03	7.0E-09	1.6E-01	5.5E-02	6.0E-11	2.5E+00	6.2E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-02	1.4E-10
3.3E+00	2.0E-06	1.0E-03	6.7E-09	1.6E-01	5.5E-02	5.8E-11	2.4E+00	6.2E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-02	1.4E-10
3.1E+00	2.0E-06	1.0E-03	6.5E-09	1.6E-01	5.5E-02	5.6E-11	2.4E+00	6.2E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-02	1.3E-10
3.0E+00	2.0E-06	1.0E-03	6.2E-09	1.6E-01	5.5E-02	5.3E-11	2.4E+00	6.2E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-02	1.3E-10
2.9E+00	2.0E-06	1.0E-03	5.9E-09	1.6E-01	5.5E-02	5.1E-11	2.3E+00	6.2E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-02	1.3E-10
2.7E+00	2.0E-06	1.0E-03	5.6E-09	1.6E-01	5.5E-02	4.9E-11	2.3E+00	6.2E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-02	1.3E-10
2.6E+00	2.0E-06	1.0E-03	5.3E-09	1.6E-01	5.5E-02	4.6E-11	2.2E+00	6.2E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10
2.5E+00	2.0E-06	1.0E-03	5.1E-09	1.6E-01	5.5E-02	4.4E-11	2.1E+00	6.2E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10
2.3E+00	2.0E-06	1.0E-03	4.8E-09	1.6E-01	5.5E-02	4.1E-11	2.0E+00	6.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10
2.2E+00	2.0E-06	1.0E-03	4.5E-09	1.6E-01	5.5E-02	3.9E-11	2.0E+00	6.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10
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1.9E+00	2.0E-06	1.0E-03	3.8E-09	1.6E-01	5.5E-02	3.3E-11	1.7E+00	6.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.7E-11
2.7E+00	2.0E-06	1.0E-03	5.5E-09	1.6E-01	5.5E-02	4.7E-11	1.7E+00	6.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.4E-11
2.8E+00	2.0E-06	1.0E-03	5.7E-09	1.6E-01	5.5E-02	4.9E-11	1.8E+00	6.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.9E-11
2.9E+00	2.0E-06	1.0E-03	6.0E-09	1.6E-01	5.5E-02	5.2E-11	1.8E+00	6.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.0E-10
3.0E+00	2.0E-06	1.0E-03	6.2E-09	1.6E-01	5.5E-02	5.4E-11	1.9E+00	6.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.1E-10
3.1E+00	2.0E-06	1.0E-03	6.5E-09	1.6E-01	5.5E-02	5.6E-11	2.0E+00	6.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10
3.2E+00	2.0E-06	1.0E-03	6.6E-09	1.6E-01	5.5E-02	5.7E-11	2.1E+00	6.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10
3.3E+00	2.0E-06	1.0E-03	6.8E-09	1.6E-01	5.5E-02	5.8E-11	2.1E+00	6.2E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10
3.3E+00	2.0E-06	1.0E-03	6.8E-09	1.6E-01	5.5E-02	5.9E-11	2.2E+00	6.2E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10
3.3E+00	2.0E-06	1.0E-03	6.9E-09	1.6E-01	5.5E-02	5.9E-11	2.2E+00	6.2E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10
3.3E+00	2.0E-06	1.0E-03	6.8E-09	1.6E-01	5.5E-02	5.9E-11	2.2E+00	6.2E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-02	1.3E-10
3.3E+00	2.0E-06	1.0E-03	6.8E-09	1.6E-01	5.5E-02	5.8E-11	2.3E+00	6.2E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-02	1.3E-10
3.3E+00	2.0E-06	1.0E-03	6.7E-09	1.6E-01	5.5E-02	5.8E-11	2.3E+00	6.2E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-02	1.3E-10
3.2E+00	2.0E-06	1.0E-03	6.5E-09	1.6E-01	5.5E-02	5.6E-11	2.3E+00	6.2E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-02	1.3E-10
3.1E+00	2.0E-06	1.0E-03	6.4E-09	1.6E-01	5.5E-02	5.5E-11	2.3E+00	6.2E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-02	1.3E-10
3.0E+00	2.0E-06	1.0E-03	6.2E-09	1.6E-01	5.5E-02	5.3E-11	2.3E+00	6.2E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-02	1.3E-10
2.9E+00	2.0E-06	1.0E-03	6.0E-09	1.6E-01	5.5E-02	5.1E-11	2.2E+00	6.2E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10
2.8E+00	2.0E-06	1.0E-03	5.8E-09	1.6E-01	5.5E-02	5.0E-11	2.2E+00	6.2E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10
2.7E+00	2.0E-06	1.0E-03	5.5E-09	1.6E-01	5.5E-02	4.7E-11	2.2E+00	6.2E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10
2.6E+00	2.0E-06	1.0E-03	5.3E-09	1.6E-01	5.5E-02	4.5E-11	2.1E+00	6.2E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10
2.4E+00	2.0E-06	1.0E-03	5.0E-09	1.6E-01	5.5E-02	4.3E-11	2.0E+00	6.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10
2.3E+00	2.0E-06	1.0E-03	4.8E-09	1.6E-01	5.5E-02	4.1E-11	2.0E+00	6.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10
2.2E+00	2.0E-06	1.0E-03	4.5E-09	1.6E-01	5.5E-02	3.9E-11	1.9E+00	6.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10
2.1E+00	2.0E-06	1.0E-03	4.3E-09	1.6E-01	5.5E-02	3.7E-11	1.9E+00	6.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.0E-10
2.0E+00	2.0E-06	1.0E-03	4.1E-09	1.6E-01	5.5E-02	3.5E-11	1.8E+00	6.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.0E-10
1.9E+00	2.0E-06	1.0E-03	3.9E-09	1.6E-01	5.5E-02	3.3E-11	1.7E+00	6.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.6E-11
1.8E+00	2.0E-06	1.0E-03	3.7E-09	1.6E-01	5.5E-02	3.2E-11	1.7E+00	6.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.2E-11
2.4E+00	2.0E-06	1.0E-03	5.0E-09	1.6E-01	5.5E-02	4.3E-11	1.6E+00	6.2E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-02	8.8E-11

2.5E+00	2.0E-06	1.0E-03	5.2E-09	1.6E-01	5.5E-02	4.5E-11	1.6E+00	6.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.2E-11
2.6E+00	2.0E-06	1.0E-03	5.4E-09	1.6E-01	5.5E-02	4.7E-11	1.7E+00	6.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.6E-11
2.7E+00	2.0E-06	1.0E-03	5.6E-09	1.6E-01	5.5E-02	4.9E-11	1.8E+00	6.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	9.9E-11
2.8E+00	2.0E-06	1.0E-03	5.8E-09	1.6E-01	5.5E-02	5.0E-11	1.8E+00	6.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.0E-10
2.9E+00	2.0E-06	1.0E-03	6.0E-09	1.6E-01	5.5E-02	5.2E-11	1.9E+00	6.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.1E-10
3.0E+00	2.0E-06	1.0E-03	6.1E-09	1.6E-01	5.5E-02	5.3E-11	2.0E+00	6.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10
3.0E+00	2.0E-06	1.0E-03	6.2E-09	1.6E-01	5.5E-02	5.3E-11	2.0E+00	6.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10
3.0E+00	2.0E-06	1.0E-03	6.2E-09	1.6E-01	5.5E-02	5.4E-11	2.0E+00	6.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10
3.0E+00	2.0E-06	1.0E-03	6.2E-09	1.6E-01	5.5E-02	5.3E-11	2.1E+00	6.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.2E-10
3.0E+00	2.0E-06	1.0E-03	6.2E-09	1.6E-01	5.5E-02	5.3E-11	2.1E+00	6.2E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10
3.0E+00	2.0E-06	1.0E-03	6.1E-09	1.6E-01	5.5E-02	5.3E-11	2.1E+00	6.2E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10
2.9E+00	2.0E-06	1.0E-03	6.0E-09	1.6E-01	5.5E-02	5.2E-11	2.1E+00	6.2E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10
2.9E+00	2.0E-06	1.0E-03	5.9E-09	1.6E-01	5.5E-02	5.0E-11	2.1E+00	6.2E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10
2.8E+00	2.0E-06	1.0E-03	5.7E-09	1.6E-01	5.5E-02	4.9E-11	2.1E+00	6.2E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10
2.7E+00	2.0E-06	1.0E-03	5.5E-09	1.6E-01	5.5E-02	4.8E-11	2.1E+00	6.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.2E-10
2.6E+00	2.0E-06	1.0E-03	5.3E-09	1.6E-01	5.5E-02	4.6E-11	2.0E+00	6.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10
2.5E+00	2.0E-06	1.0E-03	5.1E-09	1.6E-01	5.5E-02	4.4E-11	2.0E+00	6.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10
2.4E+00	2.0E-06	1.0E-03	4.9E-09	1.6E-01	5.5E-02	4.2E-11	2.0E+00	6.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10
2.3E+00	2.0E-06	1.0E-03	4.7E-09	1.6E-01	5.5E-02	4.1E-11	1.9E+00	6.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.1E-10
2.2E+00	2.0E-06	1.0E-03	4.5E-09	1.6E-01	5.5E-02	3.9E-11	1.9E+00	6.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.0E-10
2.1E+00	2.0E-06	1.0E-03	4.3E-09	1.6E-01	5.5E-02	3.7E-11	1.8E+00	6.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.0E-10
2.0E+00	2.0E-06	1.0E-03	4.1E-09	1.6E-01	5.5E-02	3.5E-11	1.8E+00	6.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.8E-11
1.9E+00	2.0E-06	1.0E-03	3.9E-09	1.6E-01	5.5E-02	3.3E-11	1.7E+00	6.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.5E-11
1.8E+00	2.0E-06	1.0E-03	3.7E-09	1.6E-01	5.5E-02	3.2E-11	1.6E+00	6.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.1E-11
1.7E+00	2.0E-06	1.0E-03	3.5E-09	1.6E-01	5.5E-02	3.0E-11	1.6E+00	6.2E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-02	8.8E-11
2.2E+00	2.0E-06	1.0E-03	4.6E-09	1.6E-01	5.5E-02	3.9E-11	1.5E+00	6.2E-06	1.0E-03	9.5E-09	1.6E-01	5.5E-02	8.2E-11
2.3E+00	2.0E-06	1.0E-03	4.8E-09	1.6E-01	5.5E-02	4.1E-11	1.5E+00	6.2E-06	1.0E-03	9.9E-09	1.6E-01	5.5E-02	8.5E-11
2.4E+00	2.0E-06	1.0E-03	5.0E-09	1.6E-01	5.5E-02	4.3E-11	1.6E+00	6.2E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-02	8.9E-11
2.5E+00	2.0E-06	1.0E-03	5.1E-09	1.6E-01	5.5E-02	4.4E-11	1.6E+00	6.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.2E-11
2.6E+00	2.0E-06	1.0E-03	5.3E-09	1.6E-01	5.5E-02	4.6E-11	1.7E+00	6.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.5E-11
2.6E+00	2.0E-06	1.0E-03	5.4E-09	1.6E-01	5.5E-02	4.7E-11	1.8E+00	6.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.8E-11
2.7E+00	2.0E-06	1.0E-03	5.5E-09	1.6E-01	5.5E-02	4.8E-11	1.8E+00	6.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.0E-10
2.7E+00	2.0E-06	1.0E-03	5.6E-09	1.6E-01	5.5E-02	4.8E-11	1.8E+00	6.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.0E-10
2.8E+00	2.0E-06	1.0E-03	5.7E-09	1.6E-01	5.5E-02	4.9E-11	1.9E+00	6.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.1E-10
2.8E+00	2.0E-06	1.0E-03	5.7E-09	1.6E-01	5.5E-02	4.9E-11	1.9E+00	6.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.1E-10
2.7E+00	2.0E-06	1.0E-03	5.6E-09	1.6E-01	5.5E-02	4.9E-11	1.9E+00	6.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10
2.7E+00	2.0E-06	1.0E-03	5.6E-09	1.6E-01	5.5E-02	4.8E-11	1.9E+00	6.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10
2.7E+00	2.0E-06	1.0E-03	5.5E-09	1.6E-01	5.5E-02	4.7E-11	2.0E+00	6.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10
2.6E+00	2.0E-06	1.0E-03	5.4E-09	1.6E-01	5.5E-02	4.6E-11	2.0E+00	6.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10
2.6E+00	2.0E-06	1.0E-03	5.3E-09	1.6E-01	5.5E-02	4.5E-11	1.9E+00	6.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10
2.5E+00	2.0E-06	1.0E-03	5.1E-09	1.6E-01	5.5E-02	4.4E-11	1.9E+00	6.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10
2.4E+00	2.0E-06	1.0E-03	5.0E-09	1.6E-01	5.5E-02	4.3E-11	1.9E+00	6.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.1E-10
2.3E+00	2.0E-06	1.0E-03	4.8E-09	1.6E-01	5.5E-02	4.1E-11	1.9E+00	6.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.0E-10
2.2E+00	2.0E-06	1.0E-03	4.6E-09	1.6E-01	5.5E-02	4.0E-11	1.8E+00	6.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.0E-10
2.2E+00	2.0E-06	1.0E-03	4.4E-09	1.6E-01	5.5E-02	3.8E-11	1.8E+00	6.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.0E-10
2.1E+00	2.0E-06	1.0E-03	4.2E-09	1.6E-01	5.5E-02	3.7E-11	1.8E+00	6.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.8E-11

2.0E+00	2.0E-06	1.0E-03	4.1E-09	1.6E-01	5.5E-02	3.5E-11	1.7E+00	6.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.5E-11
1.9E+00	2.0E-06	1.0E-03	3.9E-09	1.6E-01	5.5E-02	3.3E-11	1.7E+00	6.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.2E-11
1.8E+00	2.0E-06	1.0E-03	3.7E-09	1.6E-01	5.5E-02	3.2E-11	1.6E+00	6.2E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-02	9.0E-11
1.7E+00	2.0E-06	1.0E-03	3.5E-09	1.6E-01	5.5E-02	3.0E-11	1.6E+00	6.2E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-02	8.7E-11
1.6E+00	2.0E-06	1.0E-03	3.4E-09	1.6E-01	5.5E-02	2.9E-11	1.5E+00	6.2E-06	1.0E-03	9.7E-09	1.6E-01	5.5E-02	8.4E-11
2.0E+00	2.0E-06	1.0E-03	4.2E-09	1.6E-01	5.5E-02	3.6E-11	1.4E+00	6.2E-06	1.0E-03	8.9E-09	1.6E-01	5.5E-02	7.7E-11
2.1E+00	2.0E-06	1.0E-03	4.4E-09	1.6E-01	5.5E-02	3.8E-11	1.4E+00	6.2E-06	1.0E-03	9.3E-09	1.6E-01	5.5E-02	8.0E-11
2.2E+00	2.0E-06	1.0E-03	4.5E-09	1.6E-01	5.5E-02	3.9E-11	1.5E+00	6.2E-06	1.0E-03	9.6E-09	1.6E-01	5.5E-02	8.3E-11
2.3E+00	2.0E-06	1.0E-03	4.7E-09	1.6E-01	5.5E-02	4.0E-11	1.5E+00	6.2E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-02	8.6E-11
2.4E+00	2.0E-06	1.0E-03	4.8E-09	1.6E-01	5.5E-02	4.2E-11	1.6E+00	6.2E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-02	8.9E-11
2.4E+00	2.0E-06	1.0E-03	5.0E-09	1.6E-01	5.5E-02	4.3E-11	1.6E+00	6.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.1E-11
2.5E+00	2.0E-06	1.0E-03	5.1E-09	1.6E-01	5.5E-02	4.3E-11	1.7E+00	6.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.4E-11
2.5E+00	2.0E-06	1.0E-03	5.1E-09	1.6E-01	5.5E-02	4.4E-11	1.7E+00	6.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.6E-11
2.5E+00	2.0E-06	1.0E-03	5.2E-09	1.6E-01	5.5E-02	4.4E-11	1.7E+00	6.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.7E-11
2.5E+00	2.0E-06	1.0E-03	5.2E-09	1.6E-01	5.5E-02	4.5E-11	1.8E+00	6.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.9E-11
2.5E+00	2.0E-06	1.0E-03	5.2E-09	1.6E-01	5.5E-02	4.4E-11	1.8E+00	6.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.0E-10
2.5E+00	2.0E-06	1.0E-03	5.1E-09	1.6E-01	5.5E-02	4.4E-11	1.8E+00	6.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.0E-10
2.5E+00	2.0E-06	1.0E-03	5.1E-09	1.6E-01	5.5E-02	4.4E-11	1.8E+00	6.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.0E-10
2.4E+00	2.0E-06	1.0E-03	5.0E-09	1.6E-01	5.5E-02	4.3E-11	1.8E+00	6.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.0E-10
2.4E+00	2.0E-06	1.0E-03	4.9E-09	1.6E-01	5.5E-02	4.2E-11	1.8E+00	6.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.0E-10
2.3E+00	2.0E-06	1.0E-03	4.8E-09	1.6E-01	5.5E-02	4.1E-11	1.8E+00	6.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.0E-10
2.3E+00	2.0E-06	1.0E-03	4.6E-09	1.6E-01	5.5E-02	4.0E-11	1.8E+00	6.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	9.9E-11
2.2E+00	2.0E-06	1.0E-03	4.5E-09	1.6E-01	5.5E-02	3.9E-11	1.8E+00	6.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.8E-11
2.1E+00	2.0E-06	1.0E-03	4.3E-09	1.6E-01	5.5E-02	3.7E-11	1.7E+00	6.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.6E-11
2.0E+00	2.0E-06	1.0E-03	4.2E-09	1.6E-01	5.5E-02	3.6E-11	1.7E+00	6.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.4E-11
1.9E+00	2.0E-06	1.0E-03	4.0E-09	1.6E-01	5.5E-02	3.4E-11	1.6E+00	6.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.2E-11
1.9E+00	2.0E-06	1.0E-03	3.8E-09	1.6E-01	5.5E-02	3.3E-11	1.6E+00	6.2E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-02	9.0E-11
1.8E+00	2.0E-06	1.0E-03	3.7E-09	1.6E-01	5.5E-02	3.2E-11	1.6E+00	6.2E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-02	8.7E-11
1.7E+00	2.0E-06	1.0E-03	3.5E-09	1.6E-01	5.5E-02	3.0E-11	1.5E+00	6.2E-06	1.0E-03	9.9E-09	1.6E-01	5.5E-02	8.5E-11
1.6E+00	2.0E-06	1.0E-03	3.4E-09	1.6E-01	5.5E-02	2.9E-11	1.5E+00	6.2E-06	1.0E-03	9.6E-09	1.6E-01	5.5E-02	8.2E-11
1.6E+00	2.0E-06	1.0E-03	3.2E-09	1.6E-01	5.5E-02	2.8E-11	1.4E+00	6.2E-06	1.0E-03	9.2E-09	1.6E-01	5.5E-02	8.0E-11

Franklin School Project

Risk From New Building Demo - Mitigated Residential

Haul Route 1A							Haul Route 2A						
Conc	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
3.4E-01	1.3E-05	1.0E-03	4.5E-09	1.6E-01	5.5E-02	3.9E-11	3.9E+00	1.4E-06	1.0E-03	5.6E-09	1.6E-01	5.5E-02	4.8E-11
3.9E-01	1.3E-05	1.0E-03	5.2E-09	1.6E-01	5.5E-02	4.5E-11	4.4E+00	1.4E-06	1.0E-03	6.2E-09	1.6E-01	5.5E-02	5.4E-11
4.5E-01	1.3E-05	1.0E-03	6.0E-09	1.6E-01	5.5E-02	5.2E-11	4.7E+00	1.4E-06	1.0E-03	6.7E-09	1.6E-01	5.5E-02	5.8E-11
5.2E-01	1.3E-05	1.0E-03	6.9E-09	1.6E-01	5.5E-02	5.9E-11	4.8E+00	1.4E-06	1.0E-03	6.9E-09	1.6E-01	5.5E-02	5.9E-11
5.8E-01	1.3E-05	1.0E-03	7.7E-09	1.6E-01	5.5E-02	6.7E-11	4.8E+00	1.4E-06	1.0E-03	6.9E-09	1.6E-01	5.5E-02	6.0E-11
6.5E-01	1.3E-05	1.0E-03	8.6E-09	1.6E-01	5.5E-02	7.4E-11	4.7E+00	1.4E-06	1.0E-03	6.7E-09	1.6E-01	5.5E-02	5.8E-11
7.1E-01	1.3E-05	1.0E-03	9.4E-09	1.6E-01	5.5E-02	8.1E-11	4.3E+00	1.4E-06	1.0E-03	6.1E-09	1.6E-01	5.5E-02	5.3E-11
7.7E-01	1.3E-05	1.0E-03	1.0E-08	1.6E-01	5.5E-02	8.8E-11	3.6E+00	1.4E-06	1.0E-03	5.2E-09	1.6E-01	5.5E-02	4.4E-11
8.4E-01	1.3E-05	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.6E-11	2.8E+00	1.4E-06	1.0E-03	4.0E-09	1.6E-01	5.5E-02	3.5E-11
9.2E-01	1.3E-05	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.1E-10	2.2E+00	1.4E-06	1.0E-03	3.1E-09	1.6E-01	5.5E-02	2.7E-11
9.9E-01	1.3E-05	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10	1.6E+00	1.4E-06	1.0E-03	2.4E-09	1.6E-01	5.5E-02	2.0E-11
1.0E+00	1.3E-05	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10	1.3E+00	1.4E-06	1.0E-03	1.8E-09	1.6E-01	5.5E-02	1.6E-11
1.0E+00	1.3E-05	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10	1.0E+00	1.4E-06	1.0E-03	1.4E-09	1.6E-01	5.5E-02	1.2E-11
1.0E+00	1.3E-05	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.2E-10	8.0E-01	1.4E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-02	9.9E-12
9.5E-01	1.3E-05	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10	6.5E-01	1.4E-06	1.0E-03	9.3E-10	1.6E-01	5.5E-02	8.0E-12
8.8E-01	1.3E-05	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.0E-10	5.4E-01	1.4E-06	1.0E-03	7.7E-10	1.6E-01	5.5E-02	6.7E-12
3.9E-01	1.3E-05	1.0E-03	5.2E-09	1.6E-01	5.5E-02	4.5E-11	8.3E+00	1.4E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.0E-10
4.7E-01	1.3E-05	1.0E-03	6.2E-09	1.6E-01	5.5E-02	5.3E-11	8.9E+00	1.4E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10
5.5E-01	1.3E-05	1.0E-03	7.4E-09	1.6E-01	5.5E-02	6.3E-11	9.3E+00	1.4E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10
6.5E-01	1.3E-05	1.0E-03	8.7E-09	1.6E-01	5.5E-02	7.5E-11	9.5E+00	1.4E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10
7.6E-01	1.3E-05	1.0E-03	1.0E-08	1.6E-01	5.5E-02	8.7E-11	9.4E+00	1.4E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10
8.7E-01	1.3E-05	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.0E-10	9.0E+00	1.4E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10
9.7E-01	1.3E-05	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10	7.7E+00	1.4E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.5E-11
1.1E+00	1.3E-05	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10	5.3E+00	1.4E-06	1.0E-03	7.6E-09	1.6E-01	5.5E-02	6.5E-11
1.2E+00	1.3E-05	1.0E-03	1.6E-08	1.6E-01	5.5E-02	1.4E-10	3.4E+00	1.4E-06	1.0E-03	4.9E-09	1.6E-01	5.5E-02	4.3E-11
1.3E+00	1.3E-05	1.0E-03	1.8E-08	1.6E-01	5.5E-02	1.5E-10	2.3E+00	1.4E-06	1.0E-03	3.3E-09	1.6E-01	5.5E-02	2.9E-11
1.4E+00	1.3E-05	1.0E-03	1.9E-08	1.6E-01	5.5E-02	1.6E-10	1.7E+00	1.4E-06	1.0E-03	2.4E-09	1.6E-01	5.5E-02	2.0E-11
1.4E+00	1.3E-05	1.0E-03	1.9E-08	1.6E-01	5.5E-02	1.6E-10	1.2E+00	1.4E-06	1.0E-03	1.8E-09	1.6E-01	5.5E-02	1.5E-11
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1.3E+00	1.3E-05	1.0E-03	1.7E-08	1.6E-01	5.5E-02	1.5E-10	7.5E-01	1.4E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-02	9.2E-12
1.2E+00	1.3E-05	1.0E-03	1.5E-08	1.6E-01	5.5E-02	1.3E-10	6.1E-01	1.4E-06	1.0E-03	8.7E-10	1.6E-01	5.5E-02	7.5E-12
1.0E+00	1.3E-05	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10	5.0E-01	1.4E-06	1.0E-03	7.2E-10	1.6E-01	5.5E-02	6.2E-12
4.5E-01	1.3E-05	1.0E-03	6.1E-09	1.6E-01	5.5E-02	5.2E-11	6.9E+00	1.4E-06	1.0E-03	9.8E-09	1.6E-01	5.5E-02	8.5E-11
5.6E-01	1.3E-05	1.0E-03	7.4E-09	1.6E-01	5.5E-02	6.4E-11	1.1E+01	1.4E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-02	1.4E-10
6.9E-01	1.3E-05	1.0E-03	9.1E-09	1.6E-01	5.5E-02	7.9E-11	6.2E+00	1.4E-06	1.0E-03	8.8E-09	1.6E-01	5.5E-02	7.6E-11
8.5E-01	1.3E-05	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.7E-11	6.1E+00	1.4E-06	1.0E-03	8.8E-09	1.6E-01	5.5E-02	7.6E-11
1.0E+00	1.3E-05	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10	6.0E+00	1.4E-06	1.0E-03	8.6E-09	1.6E-01	5.5E-02	7.4E-11
1.2E+00	1.3E-05	1.0E-03	1.6E-08	1.6E-01	5.5E-02	1.4E-10	5.4E+00	1.4E-06	1.0E-03	7.7E-09	1.6E-01	5.5E-02	6.6E-11
1.4E+00	1.3E-05	1.0E-03	1.9E-08	1.6E-01	5.5E-02	1.6E-10	6.2E+00	1.4E-06	1.0E-03	8.8E-09	1.6E-01	5.5E-02	7.6E-11

1.6E+00	1.3E-05	1.0E-03	2.2E-08	1.6E-01	5.5E-02	1.9E-10	7.1E+00	1.4E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-02	8.8E-11
1.9E+00	1.3E-05	1.0E-03	2.5E-08	1.6E-01	5.5E-02	2.1E-10	3.6E+00	1.4E-06	1.0E-03	5.2E-09	1.6E-01	5.5E-02	4.5E-11
2.1E+00	1.3E-05	1.0E-03	2.7E-08	1.6E-01	5.5E-02	2.4E-10	2.2E+00	1.4E-06	1.0E-03	3.2E-09	1.6E-01	5.5E-02	2.7E-11
2.1E+00	1.3E-05	1.0E-03	2.8E-08	1.6E-01	5.5E-02	2.4E-10	1.5E+00	1.4E-06	1.0E-03	2.2E-09	1.6E-01	5.5E-02	1.9E-11
2.0E+00	1.3E-05	1.0E-03	2.7E-08	1.6E-01	5.5E-02	2.3E-10	1.1E+00	1.4E-06	1.0E-03	1.6E-09	1.6E-01	5.5E-02	1.4E-11
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1.6E+00	1.3E-05	1.0E-03	2.1E-08	1.6E-01	5.5E-02	1.8E-10	6.7E-01	1.4E-06	1.0E-03	9.6E-10	1.6E-01	5.5E-02	8.3E-12
1.3E+00	1.3E-05	1.0E-03	1.8E-08	1.6E-01	5.5E-02	1.5E-10	5.4E-01	1.4E-06	1.0E-03	7.8E-10	1.6E-01	5.5E-02	6.7E-12
1.1E+00	1.3E-05	1.0E-03	1.5E-08	1.6E-01	5.5E-02	1.3E-10	4.5E-01	1.4E-06	1.0E-03	6.5E-10	1.6E-01	5.5E-02	5.6E-12
5.2E-01	1.3E-05	1.0E-03	7.0E-09	1.6E-01	5.5E-02	6.0E-11	6.3E+00	1.4E-06	1.0E-03	9.1E-09	1.6E-01	5.5E-02	7.8E-11
6.6E-01	1.3E-05	1.0E-03	8.8E-09	1.6E-01	5.5E-02	7.6E-11	1.0E+01	1.4E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-02	1.3E-10
8.6E-01	1.3E-05	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.8E-11	5.6E+00	1.4E-06	1.0E-03	8.1E-09	1.6E-01	5.5E-02	6.9E-11
1.1E+00	1.3E-05	1.0E-03	1.5E-08	1.6E-01	5.5E-02	1.3E-10	5.5E+00	1.4E-06	1.0E-03	7.9E-09	1.6E-01	5.5E-02	6.8E-11
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1.9E+00	1.3E-05	1.0E-03	2.5E-08	1.6E-01	5.5E-02	2.2E-10	4.5E+00	1.4E-06	1.0E-03	6.5E-09	1.6E-01	5.5E-02	5.6E-11
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2.8E+00	1.3E-05	1.0E-03	3.7E-08	1.6E-01	5.5E-02	3.2E-10	6.0E+00	1.4E-06	1.0E-03	8.6E-09	1.6E-01	5.5E-02	7.4E-11
3.2E+00	1.3E-05	1.0E-03	4.3E-08	1.6E-01	5.5E-02	3.7E-10	3.0E+00	1.4E-06	1.0E-03	4.3E-09	1.6E-01	5.5E-02	3.7E-11
3.4E+00	1.3E-05	1.0E-03	4.5E-08	1.6E-01	5.5E-02	3.8E-10	1.9E+00	1.4E-06	1.0E-03	2.7E-09	1.6E-01	5.5E-02	2.3E-11
3.1E+00	1.3E-05	1.0E-03	4.2E-08	1.6E-01	5.5E-02	3.6E-10	1.3E+00	1.4E-06	1.0E-03	1.9E-09	1.6E-01	5.5E-02	1.6E-11
2.7E+00	1.3E-05	1.0E-03	3.6E-08	1.6E-01	5.5E-02	3.1E-10	9.5E-01	1.4E-06	1.0E-03	1.4E-09	1.6E-01	5.5E-02	1.2E-11
2.3E+00	1.3E-05	1.0E-03	3.0E-08	1.6E-01	5.5E-02	2.6E-10	7.4E-01	1.4E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-02	9.1E-12
1.8E+00	1.3E-05	1.0E-03	2.4E-08	1.6E-01	5.5E-02	2.1E-10	5.9E-01	1.4E-06	1.0E-03	8.4E-10	1.6E-01	5.5E-02	7.3E-12
1.5E+00	1.3E-05	1.0E-03	2.0E-08	1.6E-01	5.5E-02	1.7E-10	4.8E-01	1.4E-06	1.0E-03	6.9E-10	1.6E-01	5.5E-02	6.0E-12
1.2E+00	1.3E-05	1.0E-03	1.6E-08	1.6E-01	5.5E-02	1.4E-10	4.0E-01	1.4E-06	1.0E-03	5.8E-10	1.6E-01	5.5E-02	5.0E-12
5.9E-01	1.3E-05	1.0E-03	7.9E-09	1.6E-01	5.5E-02	6.8E-11	7.0E+00	1.4E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-02	8.6E-11
7.8E-01	1.3E-05	1.0E-03	1.0E-08	1.6E-01	5.5E-02	8.9E-11	7.3E+00	1.4E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-02	9.0E-11
1.1E+00	1.3E-05	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10	7.4E+00	1.4E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.1E-11
1.5E+00	1.3E-05	1.0E-03	2.0E-08	1.6E-01	5.5E-02	1.7E-10	7.3E+00	1.4E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-02	9.0E-11
2.2E+00	1.3E-05	1.0E-03	3.0E-08	1.6E-01	5.5E-02	2.6E-10	7.0E+00	1.4E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-02	8.7E-11
3.3E+00	1.3E-05	1.0E-03	4.4E-08	1.6E-01	5.5E-02	3.7E-10	6.4E+00	1.4E-06	1.0E-03	9.2E-09	1.6E-01	5.5E-02	7.9E-11
4.5E+00	1.3E-05	1.0E-03	5.9E-08	1.6E-01	5.5E-02	5.1E-10	5.2E+00	1.4E-06	1.0E-03	7.4E-09	1.6E-01	5.5E-02	6.4E-11
5.6E+00	1.3E-05	1.0E-03	7.5E-08	1.6E-01	5.5E-02	6.5E-10	3.4E+00	1.4E-06	1.0E-03	4.9E-09	1.6E-01	5.5E-02	4.2E-11
6.2E+00	1.3E-05	1.0E-03	8.3E-08	1.6E-01	5.5E-02	7.1E-10	2.2E+00	1.4E-06	1.0E-03	3.2E-09	1.6E-01	5.5E-02	2.7E-11
5.6E+00	1.3E-05	1.0E-03	7.5E-08	1.6E-01	5.5E-02	6.4E-10	1.5E+00	1.4E-06	1.0E-03	2.1E-09	1.6E-01	5.5E-02	1.8E-11
4.5E+00	1.3E-05	1.0E-03	6.0E-08	1.6E-01	5.5E-02	5.2E-10	1.1E+00	1.4E-06	1.0E-03	1.5E-09	1.6E-01	5.5E-02	1.3E-11
3.4E+00	1.3E-05	1.0E-03	4.6E-08	1.6E-01	5.5E-02	4.0E-10	8.2E-01	1.4E-06	1.0E-03	1.2E-09	1.6E-01	5.5E-02	1.0E-11
2.6E+00	1.3E-05	1.0E-03	3.5E-08	1.6E-01	5.5E-02	3.0E-10	6.4E-01	1.4E-06	1.0E-03	9.2E-10	1.6E-01	5.5E-02	7.9E-12
2.0E+00	1.3E-05	1.0E-03	2.7E-08	1.6E-01	5.5E-02	2.3E-10	5.2E-01	1.4E-06	1.0E-03	7.5E-10	1.6E-01	5.5E-02	6.4E-12
1.5E+00	1.3E-05	1.0E-03	2.1E-08	1.6E-01	5.5E-02	1.8E-10	4.3E-01	1.4E-06	1.0E-03	6.2E-10	1.6E-01	5.5E-02	5.3E-12
1.2E+00	1.3E-05	1.0E-03	1.6E-08	1.6E-01	5.5E-02	1.4E-10	3.6E-01	1.4E-06	1.0E-03	5.2E-10	1.6E-01	5.5E-02	4.5E-12
6.5E-01	1.3E-05	1.0E-03	8.6E-09	1.6E-01	5.5E-02	7.4E-11	3.5E+00	1.4E-06	1.0E-03	5.1E-09	1.6E-01	5.5E-02	4.4E-11
8.8E-01	1.3E-05	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.0E-10	3.8E+00	1.4E-06	1.0E-03	5.4E-09	1.6E-01	5.5E-02	4.6E-11
1.3E+00	1.3E-05	1.0E-03	1.7E-08	1.6E-01	5.5E-02	1.5E-10	3.8E+00	1.4E-06	1.0E-03	5.5E-09	1.6E-01	5.5E-02	4.7E-11
2.0E+00	1.3E-05	1.0E-03	2.7E-08	1.6E-01	5.5E-02	2.3E-10	3.8E+00	1.4E-06	1.0E-03	5.5E-09	1.6E-01	5.5E-02	4.7E-11
3.5E+00	1.3E-05	1.0E-03	4.6E-08	1.6E-01	5.5E-02	4.0E-10	3.7E+00	1.4E-06	1.0E-03	5.3E-09	1.6E-01	5.5E-02	4.5E-11

6.5E+00	1.3E-05	1.0E-03	8.6E-08	1.6E-01	5.5E-02	7.4E-10	3.4E+00	1.4E-06	1.0E-03	4.8E-09	1.6E-01	5.5E-02	4.2E-11
1.1E+01	1.3E-05	1.0E-03	1.5E-07	1.6E-01	5.5E-02	1.3E-09	2.9E+00	1.4E-06	1.0E-03	4.1E-09	1.6E-01	5.5E-02	3.5E-11
1.5E+01	1.3E-05	1.0E-03	2.0E-07	1.6E-01	5.5E-02	1.7E-09	2.2E+00	1.4E-06	1.0E-03	3.2E-09	1.6E-01	5.5E-02	2.7E-11
1.3E+01	1.3E-05	1.0E-03	1.7E-07	1.6E-01	5.5E-02	1.5E-09	1.6E+00	1.4E-06	1.0E-03	2.4E-09	1.6E-01	5.5E-02	2.0E-11
8.7E+00	1.3E-05	1.0E-03	1.2E-07	1.6E-01	5.5E-02	1.0E-09	1.2E+00	1.4E-06	1.0E-03	1.7E-09	1.6E-01	5.5E-02	1.5E-11
5.7E+00	1.3E-05	1.0E-03	7.6E-08	1.6E-01	5.5E-02	6.6E-10	9.1E-01	1.4E-06	1.0E-03	1.3E-09	1.6E-01	5.5E-02	1.1E-11
3.9E+00	1.3E-05	1.0E-03	5.2E-08	1.6E-01	5.5E-02	4.5E-10	7.1E-01	1.4E-06	1.0E-03	1.0E-09	1.6E-01	5.5E-02	8.7E-12
2.7E+00	1.3E-05	1.0E-03	3.6E-08	1.6E-01	5.5E-02	3.1E-10	5.7E-01	1.4E-06	1.0E-03	8.1E-10	1.6E-01	5.5E-02	7.0E-12
2.0E+00	1.3E-05	1.0E-03	2.6E-08	1.6E-01	5.5E-02	2.3E-10	4.7E-01	1.4E-06	1.0E-03	6.7E-10	1.6E-01	5.5E-02	5.8E-12
1.5E+00	1.3E-05	1.0E-03	2.0E-08	1.6E-01	5.5E-02	1.7E-10	3.9E-01	1.4E-06	1.0E-03	5.6E-10	1.6E-01	5.5E-02	4.8E-12
1.2E+00	1.3E-05	1.0E-03	1.5E-08	1.6E-01	5.5E-02	1.3E-10	3.3E-01	1.4E-06	1.0E-03	4.7E-10	1.6E-01	5.5E-02	4.1E-12
6.8E-01	1.3E-05	1.0E-03	9.0E-09	1.6E-01	5.5E-02	7.8E-11	2.2E+00	1.4E-06	1.0E-03	3.1E-09	1.6E-01	5.5E-02	2.7E-11
9.5E-01	1.3E-05	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10	2.4E+00	1.4E-06	1.0E-03	3.4E-09	1.6E-01	5.5E-02	2.9E-11
1.4E+00	1.3E-05	1.0E-03	1.9E-08	1.6E-01	5.5E-02	1.7E-10	2.4E+00	1.4E-06	1.0E-03	3.5E-09	1.6E-01	5.5E-02	3.0E-11
2.5E+00	1.3E-05	1.0E-03	3.3E-08	1.6E-01	5.5E-02	2.8E-10	2.4E+00	1.4E-06	1.0E-03	3.5E-09	1.6E-01	5.5E-02	3.0E-11
5.0E+00	1.3E-05	1.0E-03	6.7E-08	1.6E-01	5.5E-02	5.7E-10	2.4E+00	1.4E-06	1.0E-03	3.4E-09	1.6E-01	5.5E-02	2.9E-11
1.4E+01	1.3E-05	1.0E-03	1.9E-07	1.6E-01	5.5E-02	1.6E-09	2.2E+00	1.4E-06	1.0E-03	3.1E-09	1.6E-01	5.5E-02	2.7E-11
5.4E+01	1.3E-05	1.0E-03	7.2E-07	1.6E-01	5.5E-02	6.2E-09	1.9E+00	1.4E-06	1.0E-03	2.8E-09	1.6E-01	5.5E-02	2.4E-11
6.1E+01	1.3E-05	1.0E-03	8.1E-07	1.6E-01	5.5E-02	6.9E-09	1.6E+00	1.4E-06	1.0E-03	2.3E-09	1.6E-01	5.5E-02	2.0E-11
2.4E+01	1.3E-05	1.0E-03	3.2E-07	1.6E-01	5.5E-02	2.7E-09	1.3E+00	1.4E-06	1.0E-03	1.8E-09	1.6E-01	5.5E-02	1.6E-11
1.1E+01	1.3E-05	1.0E-03	1.5E-07	1.6E-01	5.5E-02	1.3E-09	1.0E+00	1.4E-06	1.0E-03	1.4E-09	1.6E-01	5.5E-02	1.2E-11
6.0E+00	1.3E-05	1.0E-03	8.0E-08	1.6E-01	5.5E-02	6.9E-10	7.9E-01	1.4E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-02	9.7E-12
3.8E+00	1.3E-05	1.0E-03	5.0E-08	1.6E-01	5.5E-02	4.3E-10	6.3E-01	1.4E-06	1.0E-03	9.0E-10	1.6E-01	5.5E-02	7.8E-12
2.5E+00	1.3E-05	1.0E-03	3.4E-08	1.6E-01	5.5E-02	2.9E-10	5.1E-01	1.4E-06	1.0E-03	7.4E-10	1.6E-01	5.5E-02	6.3E-12
1.8E+00	1.3E-05	1.0E-03	2.4E-08	1.6E-01	5.5E-02	2.1E-10	4.3E-01	1.4E-06	1.0E-03	6.1E-10	1.6E-01	5.5E-02	5.3E-12
1.3E+00	1.3E-05	1.0E-03	1.8E-08	1.6E-01	5.5E-02	1.5E-10	3.6E-01	1.4E-06	1.0E-03	5.1E-10	1.6E-01	5.5E-02	4.4E-12
1.0E+00	1.3E-05	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10	3.1E-01	1.4E-06	1.0E-03	4.4E-10	1.6E-01	5.5E-02	3.8E-12
6.9E-01	1.3E-05	1.0E-03	9.1E-09	1.6E-01	5.5E-02	7.9E-11	1.5E+00	1.4E-06	1.0E-03	2.1E-09	1.6E-01	5.5E-02	1.9E-11
9.7E-01	1.3E-05	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10	1.6E+00	1.4E-06	1.0E-03	2.3E-09	1.6E-01	5.5E-02	2.0E-11
1.5E+00	1.3E-05	1.0E-03	2.0E-08	1.6E-01	5.5E-02	1.7E-10	1.7E+00	1.4E-06	1.0E-03	2.4E-09	1.6E-01	5.5E-02	2.1E-11
2.6E+00	1.3E-05	1.0E-03	3.4E-08	1.6E-01	5.5E-02	2.9E-10	1.7E+00	1.4E-06	1.0E-03	2.4E-09	1.6E-01	5.5E-02	2.1E-11
5.5E+00	1.3E-05	1.0E-03	7.3E-08	1.6E-01	5.5E-02	6.3E-10	1.7E+00	1.4E-06	1.0E-03	2.4E-09	1.6E-01	5.5E-02	2.1E-11
9.6E+00	1.3E-05	1.0E-03	1.3E-07	1.6E-01	5.5E-02	1.1E-09	8.5E-01	1.4E-06	1.0E-03	1.2E-09	1.6E-01	5.5E-02	1.0E-11
5.1E+00	1.3E-05	1.0E-03	6.8E-08	1.6E-01	5.5E-02	5.9E-10	6.9E-01	1.4E-06	1.0E-03	9.9E-10	1.6E-01	5.5E-02	8.5E-12
3.2E+00	1.3E-05	1.0E-03	4.2E-08	1.6E-01	5.5E-02	3.6E-10	5.7E-01	1.4E-06	1.0E-03	8.1E-10	1.6E-01	5.5E-02	7.0E-12
2.1E+00	1.3E-05	1.0E-03	2.9E-08	1.6E-01	5.5E-02	2.5E-10	4.7E-01	1.4E-06	1.0E-03	6.7E-10	1.6E-01	5.5E-02	5.8E-12
1.5E+00	1.3E-05	1.0E-03	2.1E-08	1.6E-01	5.5E-02	1.8E-10	3.9E-01	1.4E-06	1.0E-03	5.6E-10	1.6E-01	5.5E-02	4.9E-12
1.2E+00	1.3E-05	1.0E-03	1.5E-08	1.6E-01	5.5E-02	1.3E-10	3.3E-01	1.4E-06	1.0E-03	4.8E-10	1.6E-01	5.5E-02	4.1E-12
9.0E-01	1.3E-05	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.0E-10	2.9E-01	1.4E-06	1.0E-03	4.1E-10	1.6E-01	5.5E-02	3.5E-12
6.6E-01	1.3E-05	1.0E-03	8.8E-09	1.6E-01	5.5E-02	7.6E-11	1.1E+00	1.4E-06	1.0E-03	1.6E-09	1.6E-01	5.5E-02	1.3E-11
9.1E-01	1.3E-05	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.0E-10	1.2E+00	1.4E-06	1.0E-03	1.7E-09	1.6E-01	5.5E-02	1.5E-11
1.4E+00	1.3E-05	1.0E-03	1.8E-08	1.6E-01	5.5E-02	1.6E-10	1.2E+00	1.4E-06	1.0E-03	1.8E-09	1.6E-01	5.5E-02	1.5E-11
2.2E+00	1.3E-05	1.0E-03	3.0E-08	1.6E-01	5.5E-02	2.5E-10	1.3E+00	1.4E-06	1.0E-03	1.8E-09	1.6E-01	5.5E-02	1.5E-11
4.1E+00	1.3E-05	1.0E-03	5.4E-08	1.6E-01	5.5E-02	4.7E-10	1.2E+00	1.4E-06	1.0E-03	1.8E-09	1.6E-01	5.5E-02	1.5E-11
6.4E+00	1.3E-05	1.0E-03	8.6E-08	1.6E-01	5.5E-02	7.4E-10	7.2E-01	1.4E-06	1.0E-03	1.0E-09	1.6E-01	5.5E-02	8.9E-12
3.9E+00	1.3E-05	1.0E-03	5.1E-08	1.6E-01	5.5E-02	4.4E-10	6.1E-01	1.4E-06	1.0E-03	8.7E-10	1.6E-01	5.5E-02	7.5E-12

2.5E+00	1.3E-05	1.0E-03	3.3E-08	1.6E-01	5.5E-02	2.9E-10	5.1E-01	1.4E-06	1.0E-03	7.3E-10	1.6E-01	5.5E-02	6.3E-12
1.8E+00	1.3E-05	1.0E-03	2.4E-08	1.6E-01	5.5E-02	2.0E-10	4.3E-01	1.4E-06	1.0E-03	6.2E-10	1.6E-01	5.5E-02	5.3E-12
1.3E+00	1.3E-05	1.0E-03	1.7E-08	1.6E-01	5.5E-02	1.5E-10	3.7E-01	1.4E-06	1.0E-03	5.3E-10	1.6E-01	5.5E-02	4.5E-12
9.9E-01	1.3E-05	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10	3.1E-01	1.4E-06	1.0E-03	4.5E-10	1.6E-01	5.5E-02	3.9E-12
7.8E-01	1.3E-05	1.0E-03	1.0E-08	1.6E-01	5.5E-02	9.0E-11	2.7E-01	1.4E-06	1.0E-03	3.9E-10	1.6E-01	5.5E-02	3.4E-12
6.1E-01	1.3E-05	1.0E-03	8.1E-09	1.6E-01	5.5E-02	7.0E-11	8.3E-01	1.4E-06	1.0E-03	1.2E-09	1.6E-01	5.5E-02	1.0E-11
8.2E-01	1.3E-05	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.4E-11	9.0E-01	1.4E-06	1.0E-03	1.3E-09	1.6E-01	5.5E-02	1.1E-11
1.1E+00	1.3E-05	1.0E-03	1.5E-08	1.6E-01	5.5E-02	1.3E-10	9.4E-01	1.4E-06	1.0E-03	1.3E-09	1.6E-01	5.5E-02	1.2E-11
1.7E+00	1.3E-05	1.0E-03	2.3E-08	1.6E-01	5.5E-02	2.0E-10	9.6E-01	1.4E-06	1.0E-03	1.4E-09	1.6E-01	5.5E-02	1.2E-11
2.7E+00	1.3E-05	1.0E-03	3.6E-08	1.6E-01	5.5E-02	3.1E-10	9.6E-01	1.4E-06	1.0E-03	1.4E-09	1.6E-01	5.5E-02	1.2E-11
4.2E+00	1.3E-05	1.0E-03	5.6E-08	1.6E-01	5.5E-02	4.8E-10	6.1E-01	1.4E-06	1.0E-03	8.8E-10	1.6E-01	5.5E-02	7.6E-12
2.8E+00	1.3E-05	1.0E-03	3.8E-08	1.6E-01	5.5E-02	3.3E-10	5.3E-01	1.4E-06	1.0E-03	7.6E-10	1.6E-01	5.5E-02	6.5E-12
2.0E+00	1.3E-05	1.0E-03	2.7E-08	1.6E-01	5.5E-02	2.3E-10	4.6E-01	1.4E-06	1.0E-03	6.5E-10	1.6E-01	5.5E-02	5.6E-12
1.5E+00	1.3E-05	1.0E-03	2.0E-08	1.6E-01	5.5E-02	1.7E-10	4.0E-01	1.4E-06	1.0E-03	5.7E-10	1.6E-01	5.5E-02	4.9E-12
1.1E+00	1.3E-05	1.0E-03	1.5E-08	1.6E-01	5.5E-02	1.3E-10	3.4E-01	1.4E-06	1.0E-03	4.9E-10	1.6E-01	5.5E-02	4.2E-12
8.7E-01	1.3E-05	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.0E-10	3.0E-01	1.4E-06	1.0E-03	4.2E-10	1.6E-01	5.5E-02	3.6E-12
6.9E-01	1.3E-05	1.0E-03	9.2E-09	1.6E-01	5.5E-02	7.9E-11	2.6E-01	1.4E-06	1.0E-03	3.7E-10	1.6E-01	5.5E-02	3.2E-12
5.4E-01	1.3E-05	1.0E-03	7.2E-09	1.6E-01	5.5E-02	6.2E-11	6.5E-01	1.4E-06	1.0E-03	9.4E-10	1.6E-01	5.5E-02	8.1E-12
7.0E-01	1.3E-05	1.0E-03	9.3E-09	1.6E-01	5.5E-02	8.0E-11	7.0E-01	1.4E-06	1.0E-03	1.0E-09	1.6E-01	5.5E-02	8.7E-12
9.4E-01	1.3E-05	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10	7.4E-01	1.4E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-02	9.1E-12
1.3E+00	1.3E-05	1.0E-03	1.7E-08	1.6E-01	5.5E-02	1.5E-10	7.6E-01	1.4E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-02	9.4E-12
1.9E+00	1.3E-05	1.0E-03	2.5E-08	1.6E-01	5.5E-02	2.1E-10	7.6E-01	1.4E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-02	9.4E-12
3.0E+00	1.3E-05	1.0E-03	4.0E-08	1.6E-01	5.5E-02	3.4E-10	5.3E-01	1.4E-06	1.0E-03	7.6E-10	1.6E-01	5.5E-02	6.6E-12
2.2E+00	1.3E-05	1.0E-03	2.9E-08	1.6E-01	5.5E-02	2.5E-10	4.7E-01	1.4E-06	1.0E-03	6.7E-10	1.6E-01	5.5E-02	5.8E-12
1.6E+00	1.3E-05	1.0E-03	2.2E-08	1.6E-01	5.5E-02	1.9E-10	4.1E-01	1.4E-06	1.0E-03	5.8E-10	1.6E-01	5.5E-02	5.0E-12
1.3E+00	1.3E-05	1.0E-03	1.7E-08	1.6E-01	5.5E-02	1.5E-10	3.6E-01	1.4E-06	1.0E-03	5.2E-10	1.6E-01	5.5E-02	4.5E-12
9.8E-01	1.3E-05	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10	3.2E-01	1.4E-06	1.0E-03	4.5E-10	1.6E-01	5.5E-02	3.9E-12
7.8E-01	1.3E-05	1.0E-03	1.0E-08	1.6E-01	5.5E-02	8.9E-11	2.8E-01	1.4E-06	1.0E-03	4.0E-10	1.6E-01	5.5E-02	3.4E-12
6.3E-01	1.3E-05	1.0E-03	8.3E-09	1.6E-01	5.5E-02	7.2E-11	2.4E-01	1.4E-06	1.0E-03	3.5E-10	1.6E-01	5.5E-02	3.0E-12
4.7E-01	1.3E-05	1.0E-03	6.3E-09	1.6E-01	5.5E-02	5.4E-11	5.3E-01	1.4E-06	1.0E-03	7.6E-10	1.6E-01	5.5E-02	6.5E-12
5.9E-01	1.3E-05	1.0E-03	7.9E-09	1.6E-01	5.5E-02	6.8E-11	5.7E-01	1.4E-06	1.0E-03	8.1E-10	1.6E-01	5.5E-02	7.0E-12
7.6E-01	1.3E-05	1.0E-03	1.0E-08	1.6E-01	5.5E-02	8.7E-11	6.0E-01	1.4E-06	1.0E-03	8.5E-10	1.6E-01	5.5E-02	7.3E-12
1.0E+00	1.3E-05	1.0E-03	1.3E-08	1.6E-01	5.5E-02	1.1E-10	6.1E-01	1.4E-06	1.0E-03	8.8E-10	1.6E-01	5.5E-02	7.5E-12
1.4E+00	1.3E-05	1.0E-03	1.8E-08	1.6E-01	5.5E-02	1.6E-10	6.2E-01	1.4E-06	1.0E-03	8.8E-10	1.6E-01	5.5E-02	7.6E-12
1.8E+00	1.3E-05	1.0E-03	2.4E-08	1.6E-01	5.5E-02	2.1E-10	6.1E-01	1.4E-06	1.0E-03	8.7E-10	1.6E-01	5.5E-02	7.5E-12
2.2E+00	1.3E-05	1.0E-03	3.0E-08	1.6E-01	5.5E-02	2.6E-10	5.8E-01	1.4E-06	1.0E-03	8.3E-10	1.6E-01	5.5E-02	7.2E-12
2.5E+00	1.3E-05	1.0E-03	3.3E-08	1.6E-01	5.5E-02	2.8E-10	5.5E-01	1.4E-06	1.0E-03	7.9E-10	1.6E-01	5.5E-02	6.8E-12
2.4E+00	1.3E-05	1.0E-03	3.2E-08	1.6E-01	5.5E-02	2.8E-10	5.1E-01	1.4E-06	1.0E-03	7.3E-10	1.6E-01	5.5E-02	6.3E-12
2.1E+00	1.3E-05	1.0E-03	2.8E-08	1.6E-01	5.5E-02	2.4E-10	4.6E-01	1.4E-06	1.0E-03	6.6E-10	1.6E-01	5.5E-02	5.7E-12
1.7E+00	1.3E-05	1.0E-03	2.3E-08	1.6E-01	5.5E-02	2.0E-10	4.2E-01	1.4E-06	1.0E-03	6.0E-10	1.6E-01	5.5E-02	5.1E-12
1.3E+00	1.3E-05	1.0E-03	1.8E-08	1.6E-01	5.5E-02	1.5E-10	3.7E-01	1.4E-06	1.0E-03	5.2E-10	1.6E-01	5.5E-02	4.5E-12
1.1E+00	1.3E-05	1.0E-03	1.4E-08	1.6E-01	5.5E-02	1.2E-10	3.2E-01	1.4E-06	1.0E-03	4.6E-10	1.6E-01	5.5E-02	4.0E-12
8.7E-01	1.3E-05	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.0E-10	2.9E-01	1.4E-06	1.0E-03	4.2E-10	1.6E-01	5.5E-02	3.6E-12
7.0E-01	1.3E-05	1.0E-03	9.4E-09	1.6E-01	5.5E-02	8.1E-11	2.6E-01	1.4E-06	1.0E-03	3.7E-10	1.6E-01	5.5E-02	3.2E-12
5.7E-01	1.3E-05	1.0E-03	7.7E-09	1.6E-01	5.5E-02	6.6E-11	2.3E-01	1.4E-06	1.0E-03	3.3E-10	1.6E-01	5.5E-02	2.8E-12
4.1E-01	1.3E-05	1.0E-03	5.5E-09	1.6E-01	5.5E-02	4.7E-11	4.4E-01	1.4E-06	1.0E-03	6.3E-10	1.6E-01	5.5E-02	5.4E-12

5.0E-01	1.3E-05	1.0E-03	6.7E-09	1.6E-01	5.5E-02	5.8E-11	4.7E-01	1.4E-06	1.0E-03	6.7E-10	1.6E-01	5.5E-02	5.8E-12
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1.3E+00	1.3E-05	1.0E-03	1.7E-08	1.6E-01	5.5E-02	1.5E-10	5.0E-01	1.4E-06	1.0E-03	7.2E-10	1.6E-01	5.5E-02	6.2E-12
1.5E+00	1.3E-05	1.0E-03	2.0E-08	1.6E-01	5.5E-02	1.7E-10	4.9E-01	1.4E-06	1.0E-03	7.0E-10	1.6E-01	5.5E-02	6.0E-12
1.7E+00	1.3E-05	1.0E-03	2.2E-08	1.6E-01	5.5E-02	1.9E-10	4.7E-01	1.4E-06	1.0E-03	6.7E-10	1.6E-01	5.5E-02	5.7E-12
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1.6E+00	1.3E-05	1.0E-03	2.1E-08	1.6E-01	5.5E-02	1.8E-10	4.0E-01	1.4E-06	1.0E-03	5.8E-10	1.6E-01	5.5E-02	5.0E-12
1.4E+00	1.3E-05	1.0E-03	1.8E-08	1.6E-01	5.5E-02	1.6E-10	3.7E-01	1.4E-06	1.0E-03	5.3E-10	1.6E-01	5.5E-02	4.6E-12
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3.6E-01	1.3E-05	1.0E-03	4.8E-09	1.6E-01	5.5E-02	4.1E-11	3.7E-01	1.4E-06	1.0E-03	5.3E-10	1.6E-01	5.5E-02	4.5E-12
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5.3E-01	1.3E-05	1.0E-03	7.0E-09	1.6E-01	5.5E-02	6.0E-11	4.1E-01	1.4E-06	1.0E-03	5.9E-10	1.6E-01	5.5E-02	5.0E-12
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8.0E-01	1.3E-05	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.2E-11	4.3E-01	1.4E-06	1.0E-03	6.1E-10	1.6E-01	5.5E-02	5.2E-12
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6.4E-01	1.3E-05	1.0E-03	8.6E-09	1.6E-01	5.5E-02	7.4E-11	2.4E-01	1.4E-06	1.0E-03	3.5E-10	1.6E-01	5.5E-02	3.0E-12
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7.4E-01	1.3E-05	1.0E-03	9.9E-09	1.6E-01	5.5E-02	8.5E-11	3.6E-01	1.4E-06	1.0E-03	5.2E-10	1.6E-01	5.5E-02	4.4E-12
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9.0E-01	1.3E-05	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.0E-10	3.4E-01	1.4E-06	1.0E-03	4.9E-10	1.6E-01	5.5E-02	4.2E-12
9.2E-01	1.3E-05	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.1E-10	3.3E-01	1.4E-06	1.0E-03	4.7E-10	1.6E-01	5.5E-02	4.0E-12
8.9E-01	1.3E-05	1.0E-03	1.2E-08	1.6E-01	5.5E-02	1.0E-10	3.1E-01	1.4E-06	1.0E-03	4.4E-10	1.6E-01	5.5E-02	3.8E-12
8.4E-01	1.3E-05	1.0E-03	1.1E-08	1.6E-01	5.5E-02	9.7E-11	2.9E-01	1.4E-06	1.0E-03	4.2E-10	1.6E-01	5.5E-02	3.6E-12
7.7E-01	1.3E-05	1.0E-03	1.0E-08	1.6E-01	5.5E-02	8.8E-11	2.7E-01	1.4E-06	1.0E-03	3.9E-10	1.6E-01	5.5E-02	3.3E-12
6.8E-01	1.3E-05	1.0E-03	9.1E-09	1.6E-01	5.5E-02	7.8E-11	2.5E-01	1.4E-06	1.0E-03	3.6E-10	1.6E-01	5.5E-02	3.1E-12
5.6E-01	1.3E-05	1.0E-03	7.5E-09	1.6E-01	5.5E-02	6.5E-11	2.2E-01	1.4E-06	1.0E-03	3.2E-10	1.6E-01	5.5E-02	2.7E-12
4.9E-01	1.3E-05	1.0E-03	6.5E-09	1.6E-01	5.5E-02	5.6E-11	2.0E-01	1.4E-06	1.0E-03	2.9E-10	1.6E-01	5.5E-02	2.5E-12

4.5E-01	1.3E-05	1.0E-03	5.9E-09	1.6E-01	5.5E-02	5.1E-11	1.9E-01	1.4E-06	1.0E-03	2.7E-10	1.6E-01	5.5E-02	2.4E-12
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3.3E-01	1.3E-05	1.0E-03	4.4E-09	1.6E-01	5.5E-02	3.8E-11	2.9E-01	1.4E-06	1.0E-03	4.1E-10	1.6E-01	5.5E-02	3.5E-12
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4.5E-01	1.3E-05	1.0E-03	6.0E-09	1.6E-01	5.5E-02	5.1E-11	3.1E-01	1.4E-06	1.0E-03	4.4E-10	1.6E-01	5.5E-02	3.8E-12
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6.6E-01	1.3E-05	1.0E-03	8.8E-09	1.6E-01	5.5E-02	7.5E-11	3.1E-01	1.4E-06	1.0E-03	4.4E-10	1.6E-01	5.5E-02	3.8E-12
7.0E-01	1.3E-05	1.0E-03	9.4E-09	1.6E-01	5.5E-02	8.1E-11	3.0E-01	1.4E-06	1.0E-03	4.3E-10	1.6E-01	5.5E-02	3.7E-12
7.2E-01	1.3E-05	1.0E-03	9.6E-09	1.6E-01	5.5E-02	8.3E-11	2.9E-01	1.4E-06	1.0E-03	4.1E-10	1.6E-01	5.5E-02	3.6E-12
7.1E-01	1.3E-05	1.0E-03	9.5E-09	1.6E-01	5.5E-02	8.2E-11	2.7E-01	1.4E-06	1.0E-03	3.9E-10	1.6E-01	5.5E-02	3.4E-12
6.9E-01	1.3E-05	1.0E-03	9.1E-09	1.6E-01	5.5E-02	7.9E-11	2.6E-01	1.4E-06	1.0E-03	3.7E-10	1.6E-01	5.5E-02	3.2E-12
6.4E-01	1.3E-05	1.0E-03	8.5E-09	1.6E-01	5.5E-02	7.3E-11	2.4E-01	1.4E-06	1.0E-03	3.5E-10	1.6E-01	5.5E-02	3.0E-12
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5.2E-01	1.3E-05	1.0E-03	6.9E-09	1.6E-01	5.5E-02	6.0E-11	2.1E-01	1.4E-06	1.0E-03	3.0E-10	1.6E-01	5.5E-02	2.6E-12
4.3E-01	1.3E-05	1.0E-03	5.8E-09	1.6E-01	5.5E-02	5.0E-11	1.9E-01	1.4E-06	1.0E-03	2.7E-10	1.6E-01	5.5E-02	2.3E-12
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2.5E-01	1.3E-05	1.0E-03	3.3E-09	1.6E-01	5.5E-02	2.9E-11	2.4E-01	1.4E-06	1.0E-03	3.4E-10	1.6E-01	5.5E-02	2.9E-12
2.9E-01	1.3E-05	1.0E-03	3.8E-09	1.6E-01	5.5E-02	3.3E-11	2.5E-01	1.4E-06	1.0E-03	3.6E-10	1.6E-01	5.5E-02	3.1E-12
3.3E-01	1.3E-05	1.0E-03	4.4E-09	1.6E-01	5.5E-02	3.8E-11	2.6E-01	1.4E-06	1.0E-03	3.7E-10	1.6E-01	5.5E-02	3.2E-12
3.8E-01	1.3E-05	1.0E-03	5.0E-09	1.6E-01	5.5E-02	4.3E-11	2.7E-01	1.4E-06	1.0E-03	3.8E-10	1.6E-01	5.5E-02	3.3E-12
4.3E-01	1.3E-05	1.0E-03	5.8E-09	1.6E-01	5.5E-02	5.0E-11	2.7E-01	1.4E-06	1.0E-03	3.9E-10	1.6E-01	5.5E-02	3.3E-12
4.9E-01	1.3E-05	1.0E-03	6.5E-09	1.6E-01	5.5E-02	5.6E-11	2.7E-01	1.4E-06	1.0E-03	3.9E-10	1.6E-01	5.5E-02	3.3E-12
5.3E-01	1.3E-05	1.0E-03	7.1E-09	1.6E-01	5.5E-02	6.1E-11	2.7E-01	1.4E-06	1.0E-03	3.8E-10	1.6E-01	5.5E-02	3.3E-12
5.6E-01	1.3E-05	1.0E-03	7.5E-09	1.6E-01	5.5E-02	6.5E-11	2.6E-01	1.4E-06	1.0E-03	3.8E-10	1.6E-01	5.5E-02	3.2E-12
5.8E-01	1.3E-05	1.0E-03	7.7E-09	1.6E-01	5.5E-02	6.7E-11	2.5E-01	1.4E-06	1.0E-03	3.6E-10	1.6E-01	5.5E-02	3.1E-12
5.8E-01	1.3E-05	1.0E-03	7.7E-09	1.6E-01	5.5E-02	6.6E-11	2.4E-01	1.4E-06	1.0E-03	3.5E-10	1.6E-01	5.5E-02	3.0E-12
5.6E-01	1.3E-05	1.0E-03	7.5E-09	1.6E-01	5.5E-02	6.4E-11	2.3E-01	1.4E-06	1.0E-03	3.3E-10	1.6E-01	5.5E-02	2.9E-12
5.3E-01	1.3E-05	1.0E-03	7.1E-09	1.6E-01	5.5E-02	6.1E-11	2.2E-01	1.4E-06	1.0E-03	3.2E-10	1.6E-01	5.5E-02	2.7E-12
5.0E-01	1.3E-05	1.0E-03	6.6E-09	1.6E-01	5.5E-02	5.7E-11	2.1E-01	1.4E-06	1.0E-03	3.0E-10	1.6E-01	5.5E-02	2.6E-12
4.5E-01	1.3E-05	1.0E-03	6.1E-09	1.6E-01	5.5E-02	5.2E-11	1.9E-01	1.4E-06	1.0E-03	2.8E-10	1.6E-01	5.5E-02	2.4E-12
4.0E-01	1.3E-05	1.0E-03	5.4E-09	1.6E-01	5.5E-02	4.6E-11	1.8E-01	1.4E-06	1.0E-03	2.6E-10	1.6E-01	5.5E-02	2.2E-12
3.4E-01	1.3E-05	1.0E-03	4.6E-09	1.6E-01	5.5E-02	3.9E-11	1.6E-01	1.4E-06	1.0E-03	2.3E-10	1.6E-01	5.5E-02	2.0E-12
2.2E-01	1.3E-05	1.0E-03	3.0E-09	1.6E-01	5.5E-02	2.6E-11	2.1E-01	1.4E-06	1.0E-03	3.0E-10	1.6E-01	5.5E-02	2.6E-12
2.5E-01	1.3E-05	1.0E-03	3.4E-09	1.6E-01	5.5E-02	2.9E-11	2.2E-01	1.4E-06	1.0E-03	3.1E-10	1.6E-01	5.5E-02	2.7E-12
2.9E-01	1.3E-05	1.0E-03	3.8E-09	1.6E-01	5.5E-02	3.3E-11	2.3E-01	1.4E-06	1.0E-03	3.3E-10	1.6E-01	5.5E-02	2.8E-12
3.3E-01	1.3E-05	1.0E-03	4.3E-09	1.6E-01	5.5E-02	3.7E-11	2.3E-01	1.4E-06	1.0E-03	3.3E-10	1.6E-01	5.5E-02	2.9E-12
3.7E-01	1.3E-05	1.0E-03	4.9E-09	1.6E-01	5.5E-02	4.2E-11	2.4E-01	1.4E-06	1.0E-03	3.4E-10	1.6E-01	5.5E-02	2.9E-12
4.0E-01	1.3E-05	1.0E-03	5.4E-09	1.6E-01	5.5E-02	4.6E-11	2.4E-01	1.4E-06	1.0E-03	3.4E-10	1.6E-01	5.5E-02	2.9E-12
4.4E-01	1.3E-05	1.0E-03	5.8E-09	1.6E-01	5.5E-02	5.0E-11	2.4E-01	1.4E-06	1.0E-03	3.4E-10	1.6E-01	5.5E-02	2.9E-12
4.6E-01	1.3E-05	1.0E-03	6.2E-09	1.6E-01	5.5E-02	5.3E-11	2.3E-01	1.4E-06	1.0E-03	3.3E-10	1.6E-01	5.5E-02	2.9E-12
4.8E-01	1.3E-05	1.0E-03	6.3E-09	1.6E-01	5.5E-02	5.5E-11	2.3E-01	1.4E-06	1.0E-03	3.2E-10	1.6E-01	5.5E-02	2.8E-12
4.8E-01	1.3E-05	1.0E-03	6.4E-09	1.6E-01	5.5E-02	5.5E-11	2.2E-01	1.4E-06	1.0E-03	3.1E-10	1.6E-01	5.5E-02	2.7E-12
4.7E-01	1.3E-05	1.0E-03	6.2E-09	1.6E-01	5.5E-02	5.4E-11	2.1E-01	1.4E-06	1.0E-03	3.0E-10	1.6E-01	5.5E-02	2.6E-12
4.5E-01	1.3E-05	1.0E-03	6.0E-09	1.6E-01	5.5E-02	5.2E-11	2.0E-01	1.4E-06	1.0E-03	2.9E-10	1.6E-01	5.5E-02	2.5E-12
4.3E-01	1.3E-05	1.0E-03	5.7E-09	1.6E-01	5.5E-02	4.9E-11	1.9E-01	1.4E-06	1.0E-03	2.7E-10	1.6E-01	5.5E-02	2.3E-12

4.0E-01	1.3E-05	1.0E-03	5.3E-09	1.6E-01	5.5E-02	4.5E-11	1.8E-01	1.4E-06	1.0E-03	2.6E-10	1.6E-01	5.5E-02	2.2E-12
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3.1E-01	1.3E-05	1.0E-03	4.2E-09	1.6E-01	5.5E-02	3.6E-11	1.5E-01	1.4E-06	1.0E-03	2.2E-10	1.6E-01	5.5E-02	1.9E-12
1.4E+01	1.3E-05	1.0E-03	1.9E-07	1.6E-01	5.5E-02	1.6E-09	2.2E+00	1.4E-06	1.0E-03	3.1E-09	1.6E-01	5.5E-02	2.7E-11
1.8E+01	1.3E-05	1.0E-03	2.4E-07	1.6E-01	5.5E-02	2.1E-09	2.2E+00	1.4E-06	1.0E-03	3.1E-09	1.6E-01	5.5E-02	2.7E-11
2.4E+01	1.3E-05	1.0E-03	3.2E-07	1.6E-01	5.5E-02	2.8E-09	2.1E+00	1.4E-06	1.0E-03	3.0E-09	1.6E-01	5.5E-02	2.6E-11
3.2E+01	1.3E-05	1.0E-03	4.3E-07	1.6E-01	5.5E-02	3.7E-09	2.1E+00	1.4E-06	1.0E-03	2.9E-09	1.6E-01	5.5E-02	2.5E-11
4.2E+01	1.3E-05	1.0E-03	5.7E-07	1.6E-01	5.5E-02	4.9E-09	2.0E+00	1.4E-06	1.0E-03	2.9E-09	1.6E-01	5.5E-02	2.5E-11
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6.3E+01	1.3E-05	1.0E-03	8.4E-07	1.6E-01	5.5E-02	7.2E-09	1.9E+00	1.4E-06	1.0E-03	2.7E-09	1.6E-01	5.5E-02	2.3E-11
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6.8E+01	1.3E-05	1.0E-03	9.0E-07	1.6E-01	5.5E-02	7.8E-09	1.7E+00	1.4E-06	1.0E-03	2.4E-09	1.6E-01	5.5E-02	2.1E-11
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1.7E+01	1.3E-05	1.0E-03	2.3E-07	1.6E-01	5.5E-02	2.0E-09	1.2E+00	1.4E-06	1.0E-03	1.7E-09	1.6E-01	5.5E-02	1.4E-11
1.5E+01	1.3E-05	1.0E-03	1.9E-07	1.6E-01	5.5E-02	1.7E-09	1.1E+00	1.4E-06	1.0E-03	1.6E-09	1.6E-01	5.5E-02	1.4E-11
1.3E+01	1.3E-05	1.0E-03	1.7E-07	1.6E-01	5.5E-02	1.4E-09	1.1E+00	1.4E-06	1.0E-03	1.5E-09	1.6E-01	5.5E-02	1.3E-11
1.1E+01	1.3E-05	1.0E-03	1.5E-07	1.6E-01	5.5E-02	1.3E-09	1.0E+00	1.4E-06	1.0E-03	1.4E-09	1.6E-01	5.5E-02	1.2E-11
9.6E+00	1.3E-05	1.0E-03	1.3E-07	1.6E-01	5.5E-02	1.1E-09	9.5E-01	1.4E-06	1.0E-03	1.4E-09	1.6E-01	5.5E-02	1.2E-11
8.5E+00	1.3E-05	1.0E-03	1.1E-07	1.6E-01	5.5E-02	9.7E-10	9.1E-01	1.4E-06	1.0E-03	1.3E-09	1.6E-01	5.5E-02	1.1E-11
7.5E+00	1.3E-05	1.0E-03	1.0E-07	1.6E-01	5.5E-02	8.6E-10	8.7E-01	1.4E-06	1.0E-03	1.2E-09	1.6E-01	5.5E-02	1.1E-11
6.7E+00	1.3E-05	1.0E-03	8.9E-08	1.6E-01	5.5E-02	7.7E-10	8.3E-01	1.4E-06	1.0E-03	1.2E-09	1.6E-01	5.5E-02	1.0E-11
6.0E+00	1.3E-05	1.0E-03	8.0E-08	1.6E-01	5.5E-02	6.9E-10	7.9E-01	1.4E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-02	9.7E-12
1.6E+01	1.3E-05	1.0E-03	2.2E-07	1.6E-01	5.5E-02	1.9E-09	2.0E+00	1.4E-06	1.0E-03	2.9E-09	1.6E-01	5.5E-02	2.5E-11
2.2E+01	1.3E-05	1.0E-03	2.9E-07	1.6E-01	5.5E-02	2.5E-09	2.0E+00	1.4E-06	1.0E-03	2.9E-09	1.6E-01	5.5E-02	2.5E-11
3.0E+01	1.3E-05	1.0E-03	4.0E-07	1.6E-01	5.5E-02	3.5E-09	2.0E+00	1.4E-06	1.0E-03	2.8E-09	1.6E-01	5.5E-02	2.4E-11
4.3E+01	1.3E-05	1.0E-03	5.7E-07	1.6E-01	5.5E-02	4.9E-09	1.9E+00	1.4E-06	1.0E-03	2.7E-09	1.6E-01	5.5E-02	2.4E-11
1.5E+01	1.3E-05	1.0E-03	2.0E-07	1.6E-01	5.5E-02	1.8E-09	1.9E+00	1.4E-06	1.0E-03	2.7E-09	1.6E-01	5.5E-02	2.3E-11
2.2E+01	1.3E-05	1.0E-03	2.9E-07	1.6E-01	5.5E-02	2.5E-09	1.8E+00	1.4E-06	1.0E-03	2.6E-09	1.6E-01	5.5E-02	2.2E-11
3.2E+01	1.3E-05	1.0E-03	4.2E-07	1.6E-01	5.5E-02	3.6E-09	1.8E+00	1.4E-06	1.0E-03	2.5E-09	1.6E-01	5.5E-02	2.2E-11
4.6E+01	1.3E-05	1.0E-03	6.2E-07	1.6E-01	5.5E-02	5.3E-09	1.7E+00	1.4E-06	1.0E-03	2.4E-09	1.6E-01	5.5E-02	2.1E-11
4.7E+01	1.3E-05	1.0E-03	6.3E-07	1.6E-01	5.5E-02	5.4E-09	1.6E+00	1.4E-06	1.0E-03	2.4E-09	1.6E-01	5.5E-02	2.0E-11
3.5E+01	1.3E-05	1.0E-03	4.7E-07	1.6E-01	5.5E-02	4.0E-09	1.6E+00	1.4E-06	1.0E-03	2.3E-09	1.6E-01	5.5E-02	2.0E-11
2.6E+01	1.3E-05	1.0E-03	3.5E-07	1.6E-01	5.5E-02	3.0E-09	1.5E+00	1.4E-06	1.0E-03	2.2E-09	1.6E-01	5.5E-02	1.9E-11
6.8E+01	1.3E-05	1.0E-03	9.1E-07	1.6E-01	5.5E-02	7.8E-09	1.5E+00	1.4E-06	1.0E-03	2.1E-09	1.6E-01	5.5E-02	1.8E-11
5.2E+01	1.3E-05	1.0E-03	6.9E-07	1.6E-01	5.5E-02	5.9E-09	1.4E+00	1.4E-06	1.0E-03	2.0E-09	1.6E-01	5.5E-02	1.7E-11
4.0E+01	1.3E-05	1.0E-03	5.3E-07	1.6E-01	5.5E-02	4.6E-09	1.3E+00	1.4E-06	1.0E-03	1.9E-09	1.6E-01	5.5E-02	1.7E-11
3.2E+01	1.3E-05	1.0E-03	4.2E-07	1.6E-01	5.5E-02	3.6E-09	1.3E+00	1.4E-06	1.0E-03	1.8E-09	1.6E-01	5.5E-02	1.6E-11
2.6E+01	1.3E-05	1.0E-03	3.4E-07	1.6E-01	5.5E-02	2.9E-09	1.2E+00	1.4E-06	1.0E-03	1.8E-09	1.6E-01	5.5E-02	1.5E-11
2.1E+01	1.3E-05	1.0E-03	2.8E-07	1.6E-01	5.5E-02	2.4E-09	1.2E+00	1.4E-06	1.0E-03	1.7E-09	1.6E-01	5.5E-02	1.4E-11

1.8E+01	1.3E-05	1.0E-03	2.3E-07	1.6E-01	5.5E-02	2.0E-09	1.1E+00	1.4E-06	1.0E-03	1.6E-09	1.6E-01	5.5E-02	1.4E-11
1.5E+01	1.3E-05	1.0E-03	2.0E-07	1.6E-01	5.5E-02	1.7E-09	1.1E+00	1.4E-06	1.0E-03	1.5E-09	1.6E-01	5.5E-02	1.3E-11
1.3E+01	1.3E-05	1.0E-03	1.7E-07	1.6E-01	5.5E-02	1.5E-09	1.0E+00	1.4E-06	1.0E-03	1.5E-09	1.6E-01	5.5E-02	1.3E-11
1.1E+01	1.3E-05	1.0E-03	1.5E-07	1.6E-01	5.5E-02	1.3E-09	9.7E-01	1.4E-06	1.0E-03	1.4E-09	1.6E-01	5.5E-02	1.2E-11
9.6E+00	1.3E-05	1.0E-03	1.3E-07	1.6E-01	5.5E-02	1.1E-09	9.2E-01	1.4E-06	1.0E-03	1.3E-09	1.6E-01	5.5E-02	1.1E-11
8.4E+00	1.3E-05	1.0E-03	1.1E-07	1.6E-01	5.5E-02	9.6E-10	8.8E-01	1.4E-06	1.0E-03	1.3E-09	1.6E-01	5.5E-02	1.1E-11
7.4E+00	1.3E-05	1.0E-03	9.9E-08	1.6E-01	5.5E-02	8.5E-10	8.4E-01	1.4E-06	1.0E-03	1.2E-09	1.6E-01	5.5E-02	1.0E-11
6.6E+00	1.3E-05	1.0E-03	8.8E-08	1.6E-01	5.5E-02	7.6E-10	8.0E-01	1.4E-06	1.0E-03	1.2E-09	1.6E-01	5.5E-02	9.9E-12
5.9E+00	1.3E-05	1.0E-03	7.9E-08	1.6E-01	5.5E-02	6.8E-10	7.7E-01	1.4E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-02	9.5E-12
1.8E+01	1.3E-05	1.0E-03	2.4E-07	1.6E-01	5.5E-02	2.1E-09	1.9E+00	1.4E-06	1.0E-03	2.7E-09	1.6E-01	5.5E-02	2.3E-11
2.5E+01	1.3E-05	1.0E-03	3.3E-07	1.6E-01	5.5E-02	2.9E-09	1.9E+00	1.4E-06	1.0E-03	2.7E-09	1.6E-01	5.5E-02	2.3E-11
3.7E+01	1.3E-05	1.0E-03	4.9E-07	1.6E-01	5.5E-02	4.2E-09	1.8E+00	1.4E-06	1.0E-03	2.6E-09	1.6E-01	5.5E-02	2.3E-11
5.7E+01	1.3E-05	1.0E-03	7.5E-07	1.6E-01	5.5E-02	6.5E-09	1.8E+00	1.4E-06	1.0E-03	2.6E-09	1.6E-01	5.5E-02	2.2E-11
1.8E+01	1.3E-05	1.0E-03	2.4E-07	1.6E-01	5.5E-02	2.1E-09	1.7E+00	1.4E-06	1.0E-03	2.5E-09	1.6E-01	5.5E-02	2.2E-11
2.7E+01	1.3E-05	1.0E-03	3.6E-07	1.6E-01	5.5E-02	3.1E-09	1.7E+00	1.4E-06	1.0E-03	2.4E-09	1.6E-01	5.5E-02	2.1E-11
4.4E+01	1.3E-05	1.0E-03	5.8E-07	1.6E-01	5.5E-02	5.0E-09	1.7E+00	1.4E-06	1.0E-03	2.4E-09	1.6E-01	5.5E-02	2.0E-11
0.0E+00	1.3E-05	1.0E-03	0.0E+00	1.6E-01	5.5E-02	0.0E+00	1.6E+00	1.4E-06	1.0E-03	2.3E-09	1.6E-01	5.5E-02	2.0E-11
0.0E+00	1.3E-05	1.0E-03	0.0E+00	1.6E-01	5.5E-02	0.0E+00	1.6E+00	1.4E-06	1.0E-03	2.2E-09	1.6E-01	5.5E-02	1.9E-11
4.3E+01	1.3E-05	1.0E-03	5.8E-07	1.6E-01	5.5E-02	5.0E-09	1.5E+00	1.4E-06	1.0E-03	2.1E-09	1.6E-01	5.5E-02	1.8E-11
3.0E+01	1.3E-05	1.0E-03	4.0E-07	1.6E-01	5.5E-02	3.5E-09	1.4E+00	1.4E-06	1.0E-03	2.1E-09	1.6E-01	5.5E-02	1.8E-11
2.2E+01	1.3E-05	1.0E-03	3.0E-07	1.6E-01	5.5E-02	2.6E-09	1.4E+00	1.4E-06	1.0E-03	2.0E-09	1.6E-01	5.5E-02	1.7E-11
6.1E+01	1.3E-05	1.0E-03	8.2E-07	1.6E-01	5.5E-02	7.0E-09	1.3E+00	1.4E-06	1.0E-03	1.9E-09	1.6E-01	5.5E-02	1.6E-11
4.4E+01	1.3E-05	1.0E-03	5.9E-07	1.6E-01	5.5E-02	5.1E-09	1.3E+00	1.4E-06	1.0E-03	1.8E-09	1.6E-01	5.5E-02	1.6E-11
3.4E+01	1.3E-05	1.0E-03	4.5E-07	1.6E-01	5.5E-02	3.9E-09	1.2E+00	1.4E-06	1.0E-03	1.8E-09	1.6E-01	5.5E-02	1.5E-11
2.7E+01	1.3E-05	1.0E-03	3.6E-07	1.6E-01	5.5E-02	3.1E-09	1.2E+00	1.4E-06	1.0E-03	1.7E-09	1.6E-01	5.5E-02	1.4E-11
2.2E+01	1.3E-05	1.0E-03	2.9E-07	1.6E-01	5.5E-02	2.5E-09	1.1E+00	1.4E-06	1.0E-03	1.6E-09	1.6E-01	5.5E-02	1.4E-11
1.8E+01	1.3E-05	1.0E-03	2.4E-07	1.6E-01	5.5E-02	2.0E-09	1.1E+00	1.4E-06	1.0E-03	1.5E-09	1.6E-01	5.5E-02	1.3E-11
1.5E+01	1.3E-05	1.0E-03	2.0E-07	1.6E-01	5.5E-02	1.7E-09	1.0E+00	1.4E-06	1.0E-03	1.5E-09	1.6E-01	5.5E-02	1.3E-11
1.3E+01	1.3E-05	1.0E-03	1.7E-07	1.6E-01	5.5E-02	1.5E-09	9.8E-01	1.4E-06	1.0E-03	1.4E-09	1.6E-01	5.5E-02	1.2E-11
1.1E+01	1.3E-05	1.0E-03	1.4E-07	1.6E-01	5.5E-02	1.2E-09	9.4E-01	1.4E-06	1.0E-03	1.3E-09	1.6E-01	5.5E-02	1.2E-11
9.4E+00	1.3E-05	1.0E-03	1.3E-07	1.6E-01	5.5E-02	1.1E-09	9.0E-01	1.4E-06	1.0E-03	1.3E-09	1.6E-01	5.5E-02	1.1E-11
8.2E+00	1.3E-05	1.0E-03	1.1E-07	1.6E-01	5.5E-02	9.5E-10	8.6E-01	1.4E-06	1.0E-03	1.2E-09	1.6E-01	5.5E-02	1.1E-11
7.3E+00	1.3E-05	1.0E-03	9.7E-08	1.6E-01	5.5E-02	8.3E-10	8.2E-01	1.4E-06	1.0E-03	1.2E-09	1.6E-01	5.5E-02	1.0E-11
6.5E+00	1.3E-05	1.0E-03	8.6E-08	1.6E-01	5.5E-02	7.4E-10	7.8E-01	1.4E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-02	9.6E-12
5.8E+00	1.3E-05	1.0E-03	7.7E-08	1.6E-01	5.5E-02	6.6E-10	7.5E-01	1.4E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-02	9.2E-12
1.9E+01	1.3E-05	1.0E-03	2.5E-07	1.6E-01	5.5E-02	2.2E-09	1.8E+00	1.4E-06	1.0E-03	2.6E-09	1.6E-01	5.5E-02	2.2E-11
2.7E+01	1.3E-05	1.0E-03	3.6E-07	1.6E-01	5.5E-02	3.1E-09	1.8E+00	1.4E-06	1.0E-03	2.5E-09	1.6E-01	5.5E-02	2.2E-11
4.1E+01	1.3E-05	1.0E-03	5.5E-07	1.6E-01	5.5E-02	4.7E-09	1.7E+00	1.4E-06	1.0E-03	2.5E-09	1.6E-01	5.5E-02	2.1E-11
1.3E+01	1.3E-05	1.0E-03	1.7E-07	1.6E-01	5.5E-02	1.5E-09	1.7E+00	1.4E-06	1.0E-03	2.4E-09	1.6E-01	5.5E-02	2.1E-11
2.0E+01	1.3E-05	1.0E-03	2.6E-07	1.6E-01	5.5E-02	2.3E-09	1.6E+00	1.4E-06	1.0E-03	2.3E-09	1.6E-01	5.5E-02	2.0E-11
3.1E+01	1.3E-05	1.0E-03	4.1E-07	1.6E-01	5.5E-02	3.6E-09	1.6E+00	1.4E-06	1.0E-03	2.3E-09	1.6E-01	5.5E-02	2.0E-11
0.0E+00	1.3E-05	1.0E-03	0.0E+00	1.6E-01	5.5E-02	0.0E+00	1.6E+00	1.4E-06	1.0E-03	2.2E-09	1.6E-01	5.5E-02	1.9E-11
0.0E+00	1.3E-05	1.0E-03	0.0E+00	1.6E-01	5.5E-02	0.0E+00	1.5E+00	1.4E-06	1.0E-03	2.2E-09	1.6E-01	5.5E-02	1.9E-11
0.0E+00	1.3E-05	1.0E-03	0.0E+00	1.6E-01	5.5E-02	0.0E+00	1.5E+00	1.4E-06	1.0E-03	2.1E-09	1.6E-01	5.5E-02	1.8E-11
5.0E+01	1.3E-05	1.0E-03	6.6E-07	1.6E-01	5.5E-02	5.7E-09	1.4E+00	1.4E-06	1.0E-03	2.0E-09	1.6E-01	5.5E-02	1.7E-11
3.2E+01	1.3E-05	1.0E-03	4.3E-07	1.6E-01	5.5E-02	3.7E-09	1.4E+00	1.4E-06	1.0E-03	2.0E-09	1.6E-01	5.5E-02	1.7E-11

2.3E+01	1.3E-05	1.0E-03	3.1E-07	1.6E-01	5.5E-02	2.6E-09	1.3E+00	1.4E-06	1.0E-03	1.9E-09	1.6E-01	5.5E-02	1.6E-11
6.8E+01	1.3E-05	1.0E-03	9.1E-07	1.6E-01	5.5E-02	7.8E-09	1.3E+00	1.4E-06	1.0E-03	1.8E-09	1.6E-01	5.5E-02	1.6E-11
4.6E+01	1.3E-05	1.0E-03	6.2E-07	1.6E-01	5.5E-02	5.3E-09	1.2E+00	1.4E-06	1.0E-03	1.7E-09	1.6E-01	5.5E-02	1.5E-11
3.4E+01	1.3E-05	1.0E-03	4.6E-07	1.6E-01	5.5E-02	3.9E-09	1.2E+00	1.4E-06	1.0E-03	1.7E-09	1.6E-01	5.5E-02	1.4E-11
2.7E+01	1.3E-05	1.0E-03	3.6E-07	1.6E-01	5.5E-02	3.1E-09	1.1E+00	1.4E-06	1.0E-03	1.6E-09	1.6E-01	5.5E-02	1.4E-11
2.1E+01	1.3E-05	1.0E-03	2.9E-07	1.6E-01	5.5E-02	2.5E-09	1.1E+00	1.4E-06	1.0E-03	1.5E-09	1.6E-01	5.5E-02	1.3E-11
1.8E+01	1.3E-05	1.0E-03	2.3E-07	1.6E-01	5.5E-02	2.0E-09	1.0E+00	1.4E-06	1.0E-03	1.5E-09	1.6E-01	5.5E-02	1.3E-11
1.5E+01	1.3E-05	1.0E-03	1.9E-07	1.6E-01	5.5E-02	1.7E-09	9.9E-01	1.4E-06	1.0E-03	1.4E-09	1.6E-01	5.5E-02	1.2E-11
1.2E+01	1.3E-05	1.0E-03	1.6E-07	1.6E-01	5.5E-02	1.4E-09	9.5E-01	1.4E-06	1.0E-03	1.4E-09	1.6E-01	5.5E-02	1.2E-11
1.1E+01	1.3E-05	1.0E-03	1.4E-07	1.6E-01	5.5E-02	1.2E-09	9.1E-01	1.4E-06	1.0E-03	1.3E-09	1.6E-01	5.5E-02	1.1E-11
9.2E+00	1.3E-05	1.0E-03	1.2E-07	1.6E-01	5.5E-02	1.0E-09	8.7E-01	1.4E-06	1.0E-03	1.2E-09	1.6E-01	5.5E-02	1.1E-11
8.0E+00	1.3E-05	1.0E-03	1.1E-07	1.6E-01	5.5E-02	9.2E-10	8.3E-01	1.4E-06	1.0E-03	1.2E-09	1.6E-01	5.5E-02	1.0E-11
7.0E+00	1.3E-05	1.0E-03	9.4E-08	1.6E-01	5.5E-02	8.1E-10	7.9E-01	1.4E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-02	9.8E-12
6.3E+00	1.3E-05	1.0E-03	8.3E-08	1.6E-01	5.5E-02	7.2E-10	7.6E-01	1.4E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-02	9.4E-12
5.6E+00	1.3E-05	1.0E-03	7.4E-08	1.6E-01	5.5E-02	6.4E-10	7.3E-01	1.4E-06	1.0E-03	1.0E-09	1.6E-01	5.5E-02	9.0E-12
1.9E+01	1.3E-05	1.0E-03	2.5E-07	1.6E-01	5.5E-02	2.2E-09	1.7E+00	1.4E-06	1.0E-03	2.4E-09	1.6E-01	5.5E-02	2.1E-11
2.7E+01	1.3E-05	1.0E-03	3.6E-07	1.6E-01	5.5E-02	3.1E-09	1.6E+00	1.4E-06	1.0E-03	2.4E-09	1.6E-01	5.5E-02	2.0E-11
4.2E+01	1.3E-05	1.0E-03	5.6E-07	1.6E-01	5.5E-02	4.8E-09	1.6E+00	1.4E-06	1.0E-03	2.3E-09	1.6E-01	5.5E-02	2.0E-11
1.3E+01	1.3E-05	1.0E-03	1.8E-07	1.6E-01	5.5E-02	1.5E-09	1.6E+00	1.4E-06	1.0E-03	2.3E-09	1.6E-01	5.5E-02	1.9E-11
2.0E+01	1.3E-05	1.0E-03	2.6E-07	1.6E-01	5.5E-02	2.3E-09	1.5E+00	1.4E-06	1.0E-03	2.2E-09	1.6E-01	5.5E-02	1.9E-11
2.1E+01	1.3E-05	1.0E-03	2.7E-07	1.6E-01	5.5E-02	2.4E-09	1.0E+00	1.4E-06	1.0E-03	1.5E-09	1.6E-01	5.5E-02	1.3E-11
1.7E+01	1.3E-05	1.0E-03	2.2E-07	1.6E-01	5.5E-02	1.9E-09	1.0E+00	1.4E-06	1.0E-03	1.4E-09	1.6E-01	5.5E-02	1.2E-11
1.4E+01	1.3E-05	1.0E-03	1.9E-07	1.6E-01	5.5E-02	1.6E-09	9.5E-01	1.4E-06	1.0E-03	1.4E-09	1.6E-01	5.5E-02	1.2E-11
1.2E+01	1.3E-05	1.0E-03	1.6E-07	1.6E-01	5.5E-02	1.4E-09	9.2E-01	1.4E-06	1.0E-03	1.3E-09	1.6E-01	5.5E-02	1.1E-11
1.0E+01	1.3E-05	1.0E-03	1.3E-07	1.6E-01	5.5E-02	1.2E-09	8.8E-01	1.4E-06	1.0E-03	1.3E-09	1.6E-01	5.5E-02	1.1E-11
8.8E+00	1.3E-05	1.0E-03	1.2E-07	1.6E-01	5.5E-02	1.0E-09	8.4E-01	1.4E-06	1.0E-03	1.2E-09	1.6E-01	5.5E-02	1.0E-11
7.7E+00	1.3E-05	1.0E-03	1.0E-07	1.6E-01	5.5E-02	8.8E-10	8.1E-01	1.4E-06	1.0E-03	1.2E-09	1.6E-01	5.5E-02	9.9E-12
6.8E+00	1.3E-05	1.0E-03	9.0E-08	1.6E-01	5.5E-02	7.8E-10	7.7E-01	1.4E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-02	9.5E-12
6.0E+00	1.3E-05	1.0E-03	8.0E-08	1.6E-01	5.5E-02	6.9E-10	7.4E-01	1.4E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-02	9.1E-12
5.4E+00	1.3E-05	1.0E-03	7.2E-08	1.6E-01	5.5E-02	6.2E-10	7.1E-01	1.4E-06	1.0E-03	1.0E-09	1.6E-01	5.5E-02	8.8E-12
1.8E+01	1.3E-05	1.0E-03	2.4E-07	1.6E-01	5.5E-02	2.1E-09	1.6E+00	1.4E-06	1.0E-03	2.2E-09	1.6E-01	5.5E-02	1.9E-11
2.6E+01	1.3E-05	1.0E-03	3.4E-07	1.6E-01	5.5E-02	2.9E-09	1.5E+00	1.4E-06	1.0E-03	2.2E-09	1.6E-01	5.5E-02	1.9E-11
3.8E+01	1.3E-05	1.0E-03	5.0E-07	1.6E-01	5.5E-02	4.3E-09	1.5E+00	1.4E-06	1.0E-03	2.2E-09	1.6E-01	5.5E-02	1.9E-11
1.2E+01	1.3E-05	1.0E-03	1.7E-07	1.6E-01	5.5E-02	1.4E-09	1.5E+00	1.4E-06	1.0E-03	2.1E-09	1.6E-01	5.5E-02	1.8E-11
1.8E+01	1.3E-05	1.0E-03	2.4E-07	1.6E-01	5.5E-02	2.1E-09	1.5E+00	1.4E-06	1.0E-03	2.1E-09	1.6E-01	5.5E-02	1.8E-11
1.9E+01	1.3E-05	1.0E-03	2.5E-07	1.6E-01	5.5E-02	2.2E-09	1.0E+00	1.4E-06	1.0E-03	1.4E-09	1.6E-01	5.5E-02	1.2E-11
1.6E+01	1.3E-05	1.0E-03	2.1E-07	1.6E-01	5.5E-02	1.8E-09	9.6E-01	1.4E-06	1.0E-03	1.4E-09	1.6E-01	5.5E-02	1.2E-11
1.3E+01	1.3E-05	1.0E-03	1.8E-07	1.6E-01	5.5E-02	1.5E-09	9.2E-01	1.4E-06	1.0E-03	1.3E-09	1.6E-01	5.5E-02	1.1E-11
1.1E+01	1.3E-05	1.0E-03	1.5E-07	1.6E-01	5.5E-02	1.3E-09	8.8E-01	1.4E-06	1.0E-03	1.3E-09	1.6E-01	5.5E-02	1.1E-11
9.6E+00	1.3E-05	1.0E-03	1.3E-07	1.6E-01	5.5E-02	1.1E-09	8.5E-01	1.4E-06	1.0E-03	1.2E-09	1.6E-01	5.5E-02	1.0E-11
8.3E+00	1.3E-05	1.0E-03	1.1E-07	1.6E-01	5.5E-02	9.5E-10	8.1E-01	1.4E-06	1.0E-03	1.2E-09	1.6E-01	5.5E-02	1.0E-11
7.3E+00	1.3E-05	1.0E-03	9.7E-08	1.6E-01	5.5E-02	8.3E-10	7.8E-01	1.4E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-02	9.6E-12
6.4E+00	1.3E-05	1.0E-03	8.6E-08	1.6E-01	5.5E-02	7.4E-10	7.5E-01	1.4E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-02	9.2E-12
5.7E+00	1.3E-05	1.0E-03	7.6E-08	1.6E-01	5.5E-02	6.6E-10	7.2E-01	1.4E-06	1.0E-03	1.0E-09	1.6E-01	5.5E-02	8.9E-12
5.1E+00	1.3E-05	1.0E-03	6.8E-08	1.6E-01	5.5E-02	5.9E-10	6.9E-01	1.4E-06	1.0E-03	9.9E-10	1.6E-01	5.5E-02	8.5E-12
1.6E+01	1.3E-05	1.0E-03	2.2E-07	1.6E-01	5.5E-02	1.9E-09	1.5E+00	1.4E-06	1.0E-03	2.1E-09	1.6E-01	5.5E-02	1.8E-11

2.2E+01	1.3E-05	1.0E-03	2.9E-07	1.6E-01	5.5E-02	2.5E-09	1.5E+00	1.4E-06	1.0E-03	2.1E-09	1.6E-01	5.5E-02	1.8E-11
3.1E+01	1.3E-05	1.0E-03	4.1E-07	1.6E-01	5.5E-02	3.6E-09	1.4E+00	1.4E-06	1.0E-03	2.0E-09	1.6E-01	5.5E-02	1.8E-11
4.5E+01	1.3E-05	1.0E-03	6.0E-07	1.6E-01	5.5E-02	5.1E-09	1.4E+00	1.4E-06	1.0E-03	2.0E-09	1.6E-01	5.5E-02	1.7E-11
1.5E+01	1.3E-05	1.0E-03	2.0E-07	1.6E-01	5.5E-02	1.8E-09	1.4E+00	1.4E-06	1.0E-03	2.0E-09	1.6E-01	5.5E-02	1.7E-11
1.7E+01	1.3E-05	1.0E-03	2.3E-07	1.6E-01	5.5E-02	2.0E-09	9.6E-01	1.4E-06	1.0E-03	1.4E-09	1.6E-01	5.5E-02	1.2E-11
1.4E+01	1.3E-05	1.0E-03	1.9E-07	1.6E-01	5.5E-02	1.7E-09	9.2E-01	1.4E-06	1.0E-03	1.3E-09	1.6E-01	5.5E-02	1.1E-11
1.2E+01	1.3E-05	1.0E-03	1.6E-07	1.6E-01	5.5E-02	1.4E-09	8.9E-01	1.4E-06	1.0E-03	1.3E-09	1.6E-01	5.5E-02	1.1E-11
1.0E+01	1.3E-05	1.0E-03	1.4E-07	1.6E-01	5.5E-02	1.2E-09	8.5E-01	1.4E-06	1.0E-03	1.2E-09	1.6E-01	5.5E-02	1.1E-11
9.0E+00	1.3E-05	1.0E-03	1.2E-07	1.6E-01	5.5E-02	1.0E-09	8.2E-01	1.4E-06	1.0E-03	1.2E-09	1.6E-01	5.5E-02	1.0E-11
7.8E+00	1.3E-05	1.0E-03	1.0E-07	1.6E-01	5.5E-02	9.0E-10	7.9E-01	1.4E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-02	9.7E-12
6.9E+00	1.3E-05	1.0E-03	9.1E-08	1.6E-01	5.5E-02	7.9E-10	7.6E-01	1.4E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-02	9.4E-12
6.1E+00	1.3E-05	1.0E-03	8.1E-08	1.6E-01	5.5E-02	6.9E-10	7.3E-01	1.4E-06	1.0E-03	1.0E-09	1.6E-01	5.5E-02	9.0E-12
5.4E+00	1.3E-05	1.0E-03	7.2E-08	1.6E-01	5.5E-02	6.2E-10	7.0E-01	1.4E-06	1.0E-03	1.0E-09	1.6E-01	5.5E-02	8.6E-12
4.9E+00	1.3E-05	1.0E-03	6.5E-08	1.6E-01	5.5E-02	5.6E-10	6.7E-01	1.4E-06	1.0E-03	9.6E-10	1.6E-01	5.5E-02	8.3E-12
1.5E+01	1.3E-05	1.0E-03	1.9E-07	1.6E-01	5.5E-02	1.7E-09	1.4E+00	1.4E-06	1.0E-03	2.0E-09	1.6E-01	5.5E-02	1.7E-11
1.9E+01	1.3E-05	1.0E-03	2.5E-07	1.6E-01	5.5E-02	2.1E-09	1.4E+00	1.4E-06	1.0E-03	2.0E-09	1.6E-01	5.5E-02	1.7E-11
2.5E+01	1.3E-05	1.0E-03	3.3E-07	1.6E-01	5.5E-02	2.8E-09	1.4E+00	1.4E-06	1.0E-03	1.9E-09	1.6E-01	5.5E-02	1.7E-11
3.3E+01	1.3E-05	1.0E-03	4.4E-07	1.6E-01	5.5E-02	3.8E-09	1.3E+00	1.4E-06	1.0E-03	1.9E-09	1.6E-01	5.5E-02	1.6E-11
4.4E+01	1.3E-05	1.0E-03	5.8E-07	1.6E-01	5.5E-02	5.0E-09	1.3E+00	1.4E-06	1.0E-03	1.9E-09	1.6E-01	5.5E-02	1.6E-11
1.5E+01	1.3E-05	1.0E-03	2.0E-07	1.6E-01	5.5E-02	1.8E-09	9.2E-01	1.4E-06	1.0E-03	1.3E-09	1.6E-01	5.5E-02	1.1E-11
1.3E+01	1.3E-05	1.0E-03	1.7E-07	1.6E-01	5.5E-02	1.5E-09	8.9E-01	1.4E-06	1.0E-03	1.3E-09	1.6E-01	5.5E-02	1.1E-11
1.1E+01	1.3E-05	1.0E-03	1.5E-07	1.6E-01	5.5E-02	1.3E-09	8.6E-01	1.4E-06	1.0E-03	1.2E-09	1.6E-01	5.5E-02	1.1E-11
9.6E+00	1.3E-05	1.0E-03	1.3E-07	1.6E-01	5.5E-02	1.1E-09	8.3E-01	1.4E-06	1.0E-03	1.2E-09	1.6E-01	5.5E-02	1.0E-11
8.3E+00	1.3E-05	1.0E-03	1.1E-07	1.6E-01	5.5E-02	9.5E-10	8.0E-01	1.4E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-02	9.8E-12
7.3E+00	1.3E-05	1.0E-03	9.7E-08	1.6E-01	5.5E-02	8.4E-10	7.7E-01	1.4E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-02	9.4E-12
6.4E+00	1.3E-05	1.0E-03	8.6E-08	1.6E-01	5.5E-02	7.4E-10	7.4E-01	1.4E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-02	9.1E-12
5.7E+00	1.3E-05	1.0E-03	7.6E-08	1.6E-01	5.5E-02	6.5E-10	7.1E-01	1.4E-06	1.0E-03	1.0E-09	1.6E-01	5.5E-02	8.7E-12
5.1E+00	1.3E-05	1.0E-03	6.8E-08	1.6E-01	5.5E-02	5.8E-10	6.8E-01	1.4E-06	1.0E-03	9.8E-10	1.6E-01	5.5E-02	8.4E-12
4.6E+00	1.3E-05	1.0E-03	6.1E-08	1.6E-01	5.5E-02	5.3E-10	6.6E-01	1.4E-06	1.0E-03	9.4E-10	1.6E-01	5.5E-02	8.1E-12
1.3E+01	1.3E-05	1.0E-03	1.7E-07	1.6E-01	5.5E-02	1.4E-09	1.3E+00	1.4E-06	1.0E-03	1.9E-09	1.6E-01	5.5E-02	1.6E-11
1.6E+01	1.3E-05	1.0E-03	2.1E-07	1.6E-01	5.5E-02	1.8E-09	1.3E+00	1.4E-06	1.0E-03	1.9E-09	1.6E-01	5.5E-02	1.6E-11
2.0E+01	1.3E-05	1.0E-03	2.6E-07	1.6E-01	5.5E-02	2.2E-09	1.3E+00	1.4E-06	1.0E-03	1.8E-09	1.6E-01	5.5E-02	1.6E-11
2.4E+01	1.3E-05	1.0E-03	3.3E-07	1.6E-01	5.5E-02	2.8E-09	1.3E+00	1.4E-06	1.0E-03	1.8E-09	1.6E-01	5.5E-02	1.6E-11
3.0E+01	1.3E-05	1.0E-03	4.1E-07	1.6E-01	5.5E-02	3.5E-09	1.2E+00	1.4E-06	1.0E-03	1.8E-09	1.6E-01	5.5E-02	1.5E-11
1.3E+01	1.3E-05	1.0E-03	1.8E-07	1.6E-01	5.5E-02	1.5E-09	8.9E-01	1.4E-06	1.0E-03	1.3E-09	1.6E-01	5.5E-02	1.1E-11
1.2E+01	1.3E-05	1.0E-03	1.5E-07	1.6E-01	5.5E-02	1.3E-09	8.6E-01	1.4E-06	1.0E-03	1.2E-09	1.6E-01	5.5E-02	1.1E-11
1.0E+01	1.3E-05	1.0E-03	1.3E-07	1.6E-01	5.5E-02	1.1E-09	8.3E-01	1.4E-06	1.0E-03	1.2E-09	1.6E-01	5.5E-02	1.0E-11
8.7E+00	1.3E-05	1.0E-03	1.2E-07	1.6E-01	5.5E-02	1.0E-09	8.0E-01	1.4E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-02	9.8E-12
7.7E+00	1.3E-05	1.0E-03	1.0E-07	1.6E-01	5.5E-02	8.8E-10	7.7E-01	1.4E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-02	9.5E-12
6.8E+00	1.3E-05	1.0E-03	9.0E-08	1.6E-01	5.5E-02	7.7E-10	7.4E-01	1.4E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-02	9.2E-12
6.0E+00	1.3E-05	1.0E-03	8.0E-08	1.6E-01	5.5E-02	6.9E-10	7.2E-01	1.4E-06	1.0E-03	1.0E-09	1.6E-01	5.5E-02	8.8E-12
5.3E+00	1.3E-05	1.0E-03	7.1E-08	1.6E-01	5.5E-02	6.1E-10	6.9E-01	1.4E-06	1.0E-03	9.9E-10	1.6E-01	5.5E-02	8.5E-12
4.8E+00	1.3E-05	1.0E-03	6.4E-08	1.6E-01	5.5E-02	5.5E-10	6.6E-01	1.4E-06	1.0E-03	9.5E-10	1.6E-01	5.5E-02	8.2E-12
4.3E+00	1.3E-05	1.0E-03	5.8E-08	1.6E-01	5.5E-02	5.0E-10	6.4E-01	1.4E-06	1.0E-03	9.2E-10	1.6E-01	5.5E-02	7.9E-12
1.1E+01	1.3E-05	1.0E-03	1.4E-07	1.6E-01	5.5E-02	1.2E-09	1.2E+00	1.4E-06	1.0E-03	1.8E-09	1.6E-01	5.5E-02	1.5E-11
1.3E+01	1.3E-05	1.0E-03	1.7E-07	1.6E-01	5.5E-02	1.5E-09	1.2E+00	1.4E-06	1.0E-03	1.8E-09	1.6E-01	5.5E-02	1.5E-11

1.6E+01	1.3E-05	1.0E-03	2.1E-07	1.6E-01	5.5E-02	1.8E-09	1.2E+00	1.4E-06	1.0E-03	1.7E-09	1.6E-01	5.5E-02	1.5E-11
1.9E+01	1.3E-05	1.0E-03	2.5E-07	1.6E-01	5.5E-02	2.2E-09	1.2E+00	1.4E-06	1.0E-03	1.7E-09	1.6E-01	5.5E-02	1.5E-11
2.2E+01	1.3E-05	1.0E-03	3.0E-07	1.6E-01	5.5E-02	2.6E-09	1.2E+00	1.4E-06	1.0E-03	1.7E-09	1.6E-01	5.5E-02	1.4E-11
1.2E+01	1.3E-05	1.0E-03	1.6E-07	1.6E-01	5.5E-02	1.3E-09	8.5E-01	1.4E-06	1.0E-03	1.2E-09	1.6E-01	5.5E-02	1.1E-11
1.0E+01	1.3E-05	1.0E-03	1.4E-07	1.6E-01	5.5E-02	1.2E-09	8.3E-01	1.4E-06	1.0E-03	1.2E-09	1.6E-01	5.5E-02	1.0E-11
9.0E+00	1.3E-05	1.0E-03	1.2E-07	1.6E-01	5.5E-02	1.0E-09	8.0E-01	1.4E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-02	9.9E-12
7.9E+00	1.3E-05	1.0E-03	1.1E-07	1.6E-01	5.5E-02	9.1E-10	7.7E-01	1.4E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-02	9.5E-12
7.0E+00	1.3E-05	1.0E-03	9.4E-08	1.6E-01	5.5E-02	8.1E-10	7.5E-01	1.4E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-02	9.2E-12
6.2E+00	1.3E-05	1.0E-03	8.3E-08	1.6E-01	5.5E-02	7.2E-10	7.2E-01	1.4E-06	1.0E-03	1.0E-09	1.6E-01	5.5E-02	8.9E-12
5.6E+00	1.3E-05	1.0E-03	7.4E-08	1.6E-01	5.5E-02	6.4E-10	7.0E-01	1.4E-06	1.0E-03	1.0E-09	1.6E-01	5.5E-02	8.6E-12
5.0E+00	1.3E-05	1.0E-03	6.7E-08	1.6E-01	5.5E-02	5.8E-10	6.7E-01	1.4E-06	1.0E-03	9.6E-10	1.6E-01	5.5E-02	8.3E-12
4.5E+00	1.3E-05	1.0E-03	6.0E-08	1.6E-01	5.5E-02	5.2E-10	6.5E-01	1.4E-06	1.0E-03	9.3E-10	1.6E-01	5.5E-02	8.0E-12
4.1E+00	1.3E-05	1.0E-03	5.4E-08	1.6E-01	5.5E-02	4.7E-10	6.2E-01	1.4E-06	1.0E-03	8.9E-10	1.6E-01	5.5E-02	7.7E-12
9.1E+00	1.3E-05	1.0E-03	1.2E-07	1.6E-01	5.5E-02	1.0E-09	1.2E+00	1.4E-06	1.0E-03	1.7E-09	1.6E-01	5.5E-02	1.5E-11
1.1E+01	1.3E-05	1.0E-03	1.4E-07	1.6E-01	5.5E-02	1.2E-09	1.2E+00	1.4E-06	1.0E-03	1.7E-09	1.6E-01	5.5E-02	1.4E-11
1.3E+01	1.3E-05	1.0E-03	1.7E-07	1.6E-01	5.5E-02	1.4E-09	1.2E+00	1.4E-06	1.0E-03	1.6E-09	1.6E-01	5.5E-02	1.4E-11
1.5E+01	1.3E-05	1.0E-03	2.0E-07	1.6E-01	5.5E-02	1.7E-09	1.1E+00	1.4E-06	1.0E-03	1.6E-09	1.6E-01	5.5E-02	1.4E-11
1.7E+01	1.3E-05	1.0E-03	2.3E-07	1.6E-01	5.5E-02	2.0E-09	1.1E+00	1.4E-06	1.0E-03	1.6E-09	1.6E-01	5.5E-02	1.4E-11
1.0E+01	1.3E-05	1.0E-03	1.4E-07	1.6E-01	5.5E-02	1.2E-09	8.2E-01	1.4E-06	1.0E-03	1.2E-09	1.6E-01	5.5E-02	1.0E-11
9.1E+00	1.3E-05	1.0E-03	1.2E-07	1.6E-01	5.5E-02	1.0E-09	8.0E-01	1.4E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-02	9.8E-12
8.1E+00	1.3E-05	1.0E-03	1.1E-07	1.6E-01	5.5E-02	9.3E-10	7.7E-01	1.4E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-02	9.5E-12
7.2E+00	1.3E-05	1.0E-03	9.6E-08	1.6E-01	5.5E-02	8.3E-10	7.5E-01	1.4E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-02	9.2E-12
6.4E+00	1.3E-05	1.0E-03	8.6E-08	1.6E-01	5.5E-02	7.4E-10	7.2E-01	1.4E-06	1.0E-03	1.0E-09	1.6E-01	5.5E-02	8.9E-12
5.8E+00	1.3E-05	1.0E-03	7.7E-08	1.6E-01	5.5E-02	6.6E-10	7.0E-01	1.4E-06	1.0E-03	1.0E-09	1.6E-01	5.5E-02	8.6E-12
5.2E+00	1.3E-05	1.0E-03	6.9E-08	1.6E-01	5.5E-02	6.0E-10	6.8E-01	1.4E-06	1.0E-03	9.7E-10	1.6E-01	5.5E-02	8.3E-12
4.7E+00	1.3E-05	1.0E-03	6.2E-08	1.6E-01	5.5E-02	5.4E-10	6.5E-01	1.4E-06	1.0E-03	9.3E-10	1.6E-01	5.5E-02	8.0E-12
4.2E+00	1.3E-05	1.0E-03	5.7E-08	1.6E-01	5.5E-02	4.9E-10	6.3E-01	1.4E-06	1.0E-03	9.0E-10	1.6E-01	5.5E-02	7.8E-12
3.9E+00	1.3E-05	1.0E-03	5.1E-08	1.6E-01	5.5E-02	4.4E-10	6.1E-01	1.4E-06	1.0E-03	8.7E-10	1.6E-01	5.5E-02	7.5E-12
7.8E+00	1.3E-05	1.0E-03	1.0E-07	1.6E-01	5.5E-02	8.9E-10	1.1E+00	1.4E-06	1.0E-03	1.6E-09	1.6E-01	5.5E-02	1.4E-11
9.0E+00	1.3E-05	1.0E-03	1.2E-07	1.6E-01	5.5E-02	1.0E-09	1.1E+00	1.4E-06	1.0E-03	1.6E-09	1.6E-01	5.5E-02	1.4E-11
1.0E+01	1.3E-05	1.0E-03	1.4E-07	1.6E-01	5.5E-02	1.2E-09	1.1E+00	1.4E-06	1.0E-03	1.6E-09	1.6E-01	5.5E-02	1.4E-11
1.2E+01	1.3E-05	1.0E-03	1.6E-07	1.6E-01	5.5E-02	1.4E-09	1.1E+00	1.4E-06	1.0E-03	1.5E-09	1.6E-01	5.5E-02	1.3E-11
1.4E+01	1.3E-05	1.0E-03	1.8E-07	1.6E-01	5.5E-02	1.6E-09	1.1E+00	1.4E-06	1.0E-03	1.5E-09	1.6E-01	5.5E-02	1.3E-11
9.1E+00	1.3E-05	1.0E-03	1.2E-07	1.6E-01	5.5E-02	1.0E-09	7.9E-01	1.4E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-02	9.8E-12
8.1E+00	1.3E-05	1.0E-03	1.1E-07	1.6E-01	5.5E-02	9.3E-10	7.7E-01	1.4E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-02	9.5E-12
7.3E+00	1.3E-05	1.0E-03	9.7E-08	1.6E-01	5.5E-02	8.4E-10	7.5E-01	1.4E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-02	9.2E-12
6.6E+00	1.3E-05	1.0E-03	8.7E-08	1.6E-01	5.5E-02	7.5E-10	7.2E-01	1.4E-06	1.0E-03	1.0E-09	1.6E-01	5.5E-02	8.9E-12
5.9E+00	1.3E-05	1.0E-03	7.9E-08	1.6E-01	5.5E-02	6.8E-10	7.0E-01	1.4E-06	1.0E-03	1.0E-09	1.6E-01	5.5E-02	8.6E-12
5.3E+00	1.3E-05	1.0E-03	7.1E-08	1.6E-01	5.5E-02	6.1E-10	6.8E-01	1.4E-06	1.0E-03	9.7E-10	1.6E-01	5.5E-02	8.4E-12
4.8E+00	1.3E-05	1.0E-03	6.4E-08	1.6E-01	5.5E-02	5.5E-10	6.6E-01	1.4E-06	1.0E-03	9.4E-10	1.6E-01	5.5E-02	8.1E-12
4.4E+00	1.3E-05	1.0E-03	5.8E-08	1.6E-01	5.5E-02	5.0E-10	6.3E-01	1.4E-06	1.0E-03	9.1E-10	1.6E-01	5.5E-02	7.8E-12
4.0E+00	1.3E-05	1.0E-03	5.3E-08	1.6E-01	5.5E-02	4.6E-10	6.1E-01	1.4E-06	1.0E-03	8.8E-10	1.6E-01	5.5E-02	7.6E-12
3.6E+00	1.3E-05	1.0E-03	4.9E-08	1.6E-01	5.5E-02	4.2E-10	5.9E-01	1.4E-06	1.0E-03	8.5E-10	1.6E-01	5.5E-02	7.3E-12
6.7E+00	1.3E-05	1.0E-03	9.0E-08	1.6E-01	5.5E-02	7.7E-10	1.1E+00	1.4E-06	1.0E-03	1.5E-09	1.6E-01	5.5E-02	1.3E-11
7.7E+00	1.3E-05	1.0E-03	1.0E-07	1.6E-01	5.5E-02	8.8E-10	1.1E+00	1.4E-06	1.0E-03	1.5E-09	1.6E-01	5.5E-02	1.3E-11
8.8E+00	1.3E-05	1.0E-03	1.2E-07	1.6E-01	5.5E-02	1.0E-09	1.0E+00	1.4E-06	1.0E-03	1.5E-09	1.6E-01	5.5E-02	1.3E-11

1.0E+01	1.3E-05	1.0E-03	1.3E-07	1.6E-01	5.5E-02	1.1E-09	1.0E+00	1.4E-06	1.0E-03	1.5E-09	1.6E-01	5.5E-02	1.3E-11
1.1E+01	1.3E-05	1.0E-03	1.5E-07	1.6E-01	5.5E-02	1.3E-09	1.0E+00	1.4E-06	1.0E-03	1.4E-09	1.6E-01	5.5E-02	1.2E-11
8.0E+00	1.3E-05	1.0E-03	1.1E-07	1.6E-01	5.5E-02	9.2E-10	7.7E-01	1.4E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-02	9.4E-12
7.3E+00	1.3E-05	1.0E-03	9.7E-08	1.6E-01	5.5E-02	8.4E-10	7.4E-01	1.4E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-02	9.2E-12
6.6E+00	1.3E-05	1.0E-03	8.8E-08	1.6E-01	5.5E-02	7.6E-10	7.2E-01	1.4E-06	1.0E-03	1.0E-09	1.6E-01	5.5E-02	8.9E-12
6.0E+00	1.3E-05	1.0E-03	8.0E-08	1.6E-01	5.5E-02	6.9E-10	7.0E-01	1.4E-06	1.0E-03	1.0E-09	1.6E-01	5.5E-02	8.6E-12
5.4E+00	1.3E-05	1.0E-03	7.2E-08	1.6E-01	5.5E-02	6.2E-10	6.8E-01	1.4E-06	1.0E-03	9.7E-10	1.6E-01	5.5E-02	8.4E-12
4.9E+00	1.3E-05	1.0E-03	6.6E-08	1.6E-01	5.5E-02	5.7E-10	6.6E-01	1.4E-06	1.0E-03	9.4E-10	1.6E-01	5.5E-02	8.1E-12
4.5E+00	1.3E-05	1.0E-03	6.0E-08	1.6E-01	5.5E-02	5.2E-10	6.4E-01	1.4E-06	1.0E-03	9.1E-10	1.6E-01	5.5E-02	7.9E-12
4.1E+00	1.3E-05	1.0E-03	5.5E-08	1.6E-01	5.5E-02	4.7E-10	6.2E-01	1.4E-06	1.0E-03	8.8E-10	1.6E-01	5.5E-02	7.6E-12
3.8E+00	1.3E-05	1.0E-03	5.0E-08	1.6E-01	5.5E-02	4.3E-10	6.0E-01	1.4E-06	1.0E-03	8.6E-10	1.6E-01	5.5E-02	7.4E-12
3.4E+00	1.3E-05	1.0E-03	4.6E-08	1.6E-01	5.5E-02	3.9E-10	5.8E-01	1.4E-06	1.0E-03	8.3E-10	1.6E-01	5.5E-02	7.1E-12
5.9E+00	1.3E-05	1.0E-03	7.8E-08	1.6E-01	5.5E-02	6.7E-10	1.0E+00	1.4E-06	1.0E-03	1.5E-09	1.6E-01	5.5E-02	1.3E-11
6.6E+00	1.3E-05	1.0E-03	8.8E-08	1.6E-01	5.5E-02	7.6E-10	1.0E+00	1.4E-06	1.0E-03	1.4E-09	1.6E-01	5.5E-02	1.2E-11
7.4E+00	1.3E-05	1.0E-03	9.9E-08	1.6E-01	5.5E-02	8.5E-10	9.9E-01	1.4E-06	1.0E-03	1.4E-09	1.6E-01	5.5E-02	1.2E-11
8.3E+00	1.3E-05	1.0E-03	1.1E-07	1.6E-01	5.5E-02	9.5E-10	9.8E-01	1.4E-06	1.0E-03	1.4E-09	1.6E-01	5.5E-02	1.2E-11
9.2E+00	1.3E-05	1.0E-03	1.2E-07	1.6E-01	5.5E-02	1.1E-09	9.7E-01	1.4E-06	1.0E-03	1.4E-09	1.6E-01	5.5E-02	1.2E-11
7.1E+00	1.3E-05	1.0E-03	9.5E-08	1.6E-01	5.5E-02	8.2E-10	7.4E-01	1.4E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-02	9.1E-12
6.6E+00	1.3E-05	1.0E-03	8.7E-08	1.6E-01	5.5E-02	7.5E-10	7.2E-01	1.4E-06	1.0E-03	1.0E-09	1.6E-01	5.5E-02	8.9E-12
6.0E+00	1.3E-05	1.0E-03	8.0E-08	1.6E-01	5.5E-02	6.9E-10	7.0E-01	1.4E-06	1.0E-03	1.0E-09	1.6E-01	5.5E-02	8.6E-12
5.5E+00	1.3E-05	1.0E-03	7.3E-08	1.6E-01	5.5E-02	6.3E-10	6.8E-01	1.4E-06	1.0E-03	9.7E-10	1.6E-01	5.5E-02	8.4E-12
5.0E+00	1.3E-05	1.0E-03	6.7E-08	1.6E-01	5.5E-02	5.7E-10	6.6E-01	1.4E-06	1.0E-03	9.4E-10	1.6E-01	5.5E-02	8.1E-12
4.6E+00	1.3E-05	1.0E-03	6.1E-08	1.6E-01	5.5E-02	5.3E-10	6.4E-01	1.4E-06	1.0E-03	9.1E-10	1.6E-01	5.5E-02	7.9E-12
4.2E+00	1.3E-05	1.0E-03	5.6E-08	1.6E-01	5.5E-02	4.8E-10	6.2E-01	1.4E-06	1.0E-03	8.9E-10	1.6E-01	5.5E-02	7.6E-12
3.8E+00	1.3E-05	1.0E-03	5.1E-08	1.6E-01	5.5E-02	4.4E-10	6.0E-01	1.4E-06	1.0E-03	8.6E-10	1.6E-01	5.5E-02	7.4E-12
3.5E+00	1.3E-05	1.0E-03	4.7E-08	1.6E-01	5.5E-02	4.0E-10	5.8E-01	1.4E-06	1.0E-03	8.3E-10	1.6E-01	5.5E-02	7.2E-12
3.2E+00	1.3E-05	1.0E-03	4.3E-08	1.6E-01	5.5E-02	3.7E-10	5.6E-01	1.4E-06	1.0E-03	8.1E-10	1.6E-01	5.5E-02	6.9E-12
5.2E+00	1.3E-05	1.0E-03	6.9E-08	1.6E-01	5.5E-02	5.9E-10	9.7E-01	1.4E-06	1.0E-03	1.4E-09	1.6E-01	5.5E-02	1.2E-11
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6.4E+00	1.3E-05	1.0E-03	8.5E-08	1.6E-01	5.5E-02	7.3E-10	9.5E-01	1.4E-06	1.0E-03	1.4E-09	1.6E-01	5.5E-02	1.2E-11
7.1E+00	1.3E-05	1.0E-03	9.4E-08	1.6E-01	5.5E-02	8.1E-10	9.4E-01	1.4E-06	1.0E-03	1.3E-09	1.6E-01	5.5E-02	1.2E-11
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6.4E+00	1.3E-05	1.0E-03	8.5E-08	1.6E-01	5.5E-02	7.3E-10	7.1E-01	1.4E-06	1.0E-03	1.0E-09	1.6E-01	5.5E-02	8.8E-12
5.9E+00	1.3E-05	1.0E-03	7.9E-08	1.6E-01	5.5E-02	6.8E-10	6.9E-01	1.4E-06	1.0E-03	9.9E-10	1.6E-01	5.5E-02	8.6E-12
5.4E+00	1.3E-05	1.0E-03	7.2E-08	1.6E-01	5.5E-02	6.2E-10	6.7E-01	1.4E-06	1.0E-03	9.7E-10	1.6E-01	5.5E-02	8.3E-12
5.0E+00	1.3E-05	1.0E-03	6.6E-08	1.6E-01	5.5E-02	5.7E-10	6.6E-01	1.4E-06	1.0E-03	9.4E-10	1.6E-01	5.5E-02	8.1E-12
4.6E+00	1.3E-05	1.0E-03	6.1E-08	1.6E-01	5.5E-02	5.3E-10	6.4E-01	1.4E-06	1.0E-03	9.1E-10	1.6E-01	5.5E-02	7.8E-12
4.2E+00	1.3E-05	1.0E-03	5.6E-08	1.6E-01	5.5E-02	4.8E-10	6.2E-01	1.4E-06	1.0E-03	8.8E-10	1.6E-01	5.5E-02	7.6E-12
3.9E+00	1.3E-05	1.0E-03	5.2E-08	1.6E-01	5.5E-02	4.5E-10	6.0E-01	1.4E-06	1.0E-03	8.6E-10	1.6E-01	5.5E-02	7.4E-12
3.6E+00	1.3E-05	1.0E-03	4.8E-08	1.6E-01	5.5E-02	4.1E-10	5.8E-01	1.4E-06	1.0E-03	8.3E-10	1.6E-01	5.5E-02	7.2E-12
3.3E+00	1.3E-05	1.0E-03	4.4E-08	1.6E-01	5.5E-02	3.8E-10	5.7E-01	1.4E-06	1.0E-03	8.1E-10	1.6E-01	5.5E-02	7.0E-12
3.0E+00	1.3E-05	1.0E-03	4.1E-08	1.6E-01	5.5E-02	3.5E-10	5.5E-01	1.4E-06	1.0E-03	7.8E-10	1.6E-01	5.5E-02	6.7E-12
4.6E+00	1.3E-05	1.0E-03	6.1E-08	1.6E-01	5.5E-02	5.2E-10	9.2E-01	1.4E-06	1.0E-03	1.3E-09	1.6E-01	5.5E-02	1.1E-11
5.1E+00	1.3E-05	1.0E-03	6.7E-08	1.6E-01	5.5E-02	5.8E-10	9.2E-01	1.4E-06	1.0E-03	1.3E-09	1.6E-01	5.5E-02	1.1E-11
5.6E+00	1.3E-05	1.0E-03	7.5E-08	1.6E-01	5.5E-02	6.4E-10	9.0E-01	1.4E-06	1.0E-03	1.3E-09	1.6E-01	5.5E-02	1.1E-11
6.1E+00	1.3E-05	1.0E-03	8.2E-08	1.6E-01	5.5E-02	7.0E-10	8.9E-01	1.4E-06	1.0E-03	1.3E-09	1.6E-01	5.5E-02	1.1E-11

6.6E+00	1.3E-05	1.0E-03	8.8E-08	1.6E-01	5.5E-02	7.6E-10	8.8E-01	1.4E-06	1.0E-03	1.3E-09	1.6E-01	5.5E-02	1.1E-11
5.7E+00	1.3E-05	1.0E-03	7.6E-08	1.6E-01	5.5E-02	6.6E-10	6.9E-01	1.4E-06	1.0E-03	9.9E-10	1.6E-01	5.5E-02	8.5E-12
5.3E+00	1.3E-05	1.0E-03	7.1E-08	1.6E-01	5.5E-02	6.1E-10	6.7E-01	1.4E-06	1.0E-03	9.6E-10	1.6E-01	5.5E-02	8.3E-12
4.9E+00	1.3E-05	1.0E-03	6.6E-08	1.6E-01	5.5E-02	5.7E-10	6.5E-01	1.4E-06	1.0E-03	9.3E-10	1.6E-01	5.5E-02	8.0E-12
4.6E+00	1.3E-05	1.0E-03	6.1E-08	1.6E-01	5.5E-02	5.2E-10	6.3E-01	1.4E-06	1.0E-03	9.1E-10	1.6E-01	5.5E-02	7.8E-12
4.2E+00	1.3E-05	1.0E-03	5.6E-08	1.6E-01	5.5E-02	4.8E-10	6.1E-01	1.4E-06	1.0E-03	8.8E-10	1.6E-01	5.5E-02	7.6E-12
3.8E+00	1.3E-05	1.0E-03	5.1E-08	1.6E-01	5.5E-02	4.4E-10	6.0E-01	1.4E-06	1.0E-03	8.5E-10	1.6E-01	5.5E-02	7.3E-12
3.6E+00	1.3E-05	1.0E-03	4.8E-08	1.6E-01	5.5E-02	4.1E-10	5.8E-01	1.4E-06	1.0E-03	8.3E-10	1.6E-01	5.5E-02	7.1E-12
3.3E+00	1.3E-05	1.0E-03	4.4E-08	1.6E-01	5.5E-02	3.8E-10	5.6E-01	1.4E-06	1.0E-03	8.1E-10	1.6E-01	5.5E-02	6.9E-12
3.1E+00	1.3E-05	1.0E-03	4.1E-08	1.6E-01	5.5E-02	3.5E-10	5.5E-01	1.4E-06	1.0E-03	7.8E-10	1.6E-01	5.5E-02	6.7E-12
2.8E+00	1.3E-05	1.0E-03	3.8E-08	1.6E-01	5.5E-02	3.3E-10	5.3E-01	1.4E-06	1.0E-03	7.6E-10	1.6E-01	5.5E-02	6.5E-12
4.1E+00	1.3E-05	1.0E-03	5.4E-08	1.6E-01	5.5E-02	4.7E-10	8.8E-01	1.4E-06	1.0E-03	1.3E-09	1.6E-01	5.5E-02	1.1E-11
4.5E+00	1.3E-05	1.0E-03	6.0E-08	1.6E-01	5.5E-02	5.1E-10	8.7E-01	1.4E-06	1.0E-03	1.3E-09	1.6E-01	5.5E-02	1.1E-11
4.9E+00	1.3E-05	1.0E-03	6.5E-08	1.6E-01	5.5E-02	5.6E-10	8.6E-01	1.4E-06	1.0E-03	1.2E-09	1.6E-01	5.5E-02	1.1E-11
5.3E+00	1.3E-05	1.0E-03	7.1E-08	1.6E-01	5.5E-02	6.1E-10	8.5E-01	1.4E-06	1.0E-03	1.2E-09	1.6E-01	5.5E-02	1.1E-11
5.7E+00	1.3E-05	1.0E-03	7.6E-08	1.6E-01	5.5E-02	6.5E-10	8.4E-01	1.4E-06	1.0E-03	1.2E-09	1.6E-01	5.5E-02	1.0E-11
4.9E+00	1.3E-05	1.0E-03	6.5E-08	1.6E-01	5.5E-02	5.6E-10	6.5E-01	1.4E-06	1.0E-03	9.3E-10	1.6E-01	5.5E-02	8.0E-12
4.5E+00	1.3E-05	1.0E-03	6.0E-08	1.6E-01	5.5E-02	5.2E-10	6.3E-01	1.4E-06	1.0E-03	9.0E-10	1.6E-01	5.5E-02	7.8E-12
4.2E+00	1.3E-05	1.0E-03	5.6E-08	1.6E-01	5.5E-02	4.8E-10	6.1E-01	1.4E-06	1.0E-03	8.8E-10	1.6E-01	5.5E-02	7.6E-12
3.8E+00	1.3E-05	1.0E-03	5.0E-08	1.6E-01	5.5E-02	4.3E-10	5.9E-01	1.4E-06	1.0E-03	8.4E-10	1.6E-01	5.5E-02	7.3E-12
3.5E+00	1.3E-05	1.0E-03	4.6E-08	1.6E-01	5.5E-02	4.0E-10	5.7E-01	1.4E-06	1.0E-03	8.2E-10	1.6E-01	5.5E-02	7.1E-12
3.2E+00	1.3E-05	1.0E-03	4.3E-08	1.6E-01	5.5E-02	3.7E-10	5.6E-01	1.4E-06	1.0E-03	8.0E-10	1.6E-01	5.5E-02	6.9E-12
3.0E+00	1.3E-05	1.0E-03	4.0E-08	1.6E-01	5.5E-02	3.5E-10	5.4E-01	1.4E-06	1.0E-03	7.8E-10	1.6E-01	5.5E-02	6.7E-12
2.8E+00	1.3E-05	1.0E-03	3.7E-08	1.6E-01	5.5E-02	3.2E-10	5.3E-01	1.4E-06	1.0E-03	7.5E-10	1.6E-01	5.5E-02	6.5E-12
2.6E+00	1.3E-05	1.0E-03	3.5E-08	1.6E-01	5.5E-02	3.0E-10	5.1E-01	1.4E-06	1.0E-03	7.3E-10	1.6E-01	5.5E-02	6.3E-12
3.7E+00	1.3E-05	1.0E-03	4.9E-08	1.6E-01	5.5E-02	4.2E-10	8.4E-01	1.4E-06	1.0E-03	1.2E-09	1.6E-01	5.5E-02	1.0E-11
4.0E+00	1.3E-05	1.0E-03	5.3E-08	1.6E-01	5.5E-02	4.6E-10	8.4E-01	1.4E-06	1.0E-03	1.2E-09	1.6E-01	5.5E-02	1.0E-11
4.3E+00	1.3E-05	1.0E-03	5.8E-08	1.6E-01	5.5E-02	5.0E-10	8.3E-01	1.4E-06	1.0E-03	1.2E-09	1.6E-01	5.5E-02	1.0E-11
4.7E+00	1.3E-05	1.0E-03	6.2E-08	1.6E-01	5.5E-02	5.4E-10	8.2E-01	1.4E-06	1.0E-03	1.2E-09	1.6E-01	5.5E-02	1.0E-11
5.0E+00	1.3E-05	1.0E-03	6.6E-08	1.6E-01	5.5E-02	5.7E-10	8.1E-01	1.4E-06	1.0E-03	1.2E-09	1.6E-01	5.5E-02	1.0E-11
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3.9E+00	1.3E-05	1.0E-03	5.2E-08	1.6E-01	5.5E-02	4.5E-10	6.0E-01	1.4E-06	1.0E-03	8.5E-10	1.6E-01	5.5E-02	7.3E-12
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2.9E+00	1.3E-05	1.0E-03	3.8E-08	1.6E-01	5.5E-02	3.3E-10	5.3E-01	1.4E-06	1.0E-03	7.6E-10	1.6E-01	5.5E-02	6.5E-12
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3.6E+00	1.3E-05	1.0E-03	4.8E-08	1.6E-01	5.5E-02	4.1E-10	8.0E-01	1.4E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-02	9.9E-12
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4.4E+00	1.3E-05	1.0E-03	5.8E-08	1.6E-01	5.5E-02	5.0E-10	7.7E-01	1.4E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-02	9.5E-12
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3.0E+00	1.3E-05	1.0E-03	4.0E-08	1.6E-01	5.5E-02	3.4E-10	5.4E-01	1.4E-06	1.0E-03	7.7E-10	1.6E-01	5.5E-02	6.6E-12
2.8E+00	1.3E-05	1.0E-03	3.7E-08	1.6E-01	5.5E-02	3.2E-10	5.2E-01	1.4E-06	1.0E-03	7.5E-10	1.6E-01	5.5E-02	6.4E-12
2.6E+00	1.3E-05	1.0E-03	3.5E-08	1.6E-01	5.5E-02	3.0E-10	5.1E-01	1.4E-06	1.0E-03	7.2E-10	1.6E-01	5.5E-02	6.2E-12
2.4E+00	1.3E-05	1.0E-03	3.2E-08	1.6E-01	5.5E-02	2.7E-10	4.9E-01	1.4E-06	1.0E-03	7.0E-10	1.6E-01	5.5E-02	6.0E-12
3.0E+00	1.3E-05	1.0E-03	4.0E-08	1.6E-01	5.5E-02	3.5E-10	7.7E-01	1.4E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-02	9.5E-12
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3.5E+00	1.3E-05	1.0E-03	4.6E-08	1.6E-01	5.5E-02	4.0E-10	7.6E-01	1.4E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-02	9.4E-12
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2.8E+00	1.3E-05	1.0E-03	3.8E-08	1.6E-01	5.5E-02	3.2E-10	5.2E-01	1.4E-06	1.0E-03	7.5E-10	1.6E-01	5.5E-02	6.4E-12
2.7E+00	1.3E-05	1.0E-03	3.5E-08	1.6E-01	5.5E-02	3.0E-10	5.1E-01	1.4E-06	1.0E-03	7.3E-10	1.6E-01	5.5E-02	6.3E-12
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2.2E+00	1.3E-05	1.0E-03	2.9E-08	1.6E-01	5.5E-02	2.5E-10	4.7E-01	1.4E-06	1.0E-03	6.7E-10	1.6E-01	5.5E-02	5.8E-12
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2.8E+00	1.3E-05	1.0E-03	3.8E-08	1.6E-01	5.5E-02	3.3E-10	7.0E-01	1.4E-06	1.0E-03	1.0E-09	1.6E-01	5.5E-02	8.6E-12
3.0E+00	1.3E-05	1.0E-03	4.0E-08	1.6E-01	5.5E-02	3.4E-10	6.9E-01	1.4E-06	1.0E-03	9.9E-10	1.6E-01	5.5E-02	8.5E-12
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2.8E+00	1.3E-05	1.0E-03	3.7E-08	1.6E-01	5.5E-02	3.2E-10	5.2E-01	1.4E-06	1.0E-03	7.4E-10	1.6E-01	5.5E-02	6.4E-12
2.6E+00	1.3E-05	1.0E-03	3.5E-08	1.6E-01	5.5E-02	3.0E-10	5.1E-01	1.4E-06	1.0E-03	7.3E-10	1.6E-01	5.5E-02	6.3E-12
2.5E+00	1.3E-05	1.0E-03	3.3E-08	1.6E-01	5.5E-02	2.9E-10	5.0E-01	1.4E-06	1.0E-03	7.1E-10	1.6E-01	5.5E-02	6.1E-12
2.4E+00	1.3E-05	1.0E-03	3.2E-08	1.6E-01	5.5E-02	2.7E-10	4.8E-01	1.4E-06	1.0E-03	6.9E-10	1.6E-01	5.5E-02	6.0E-12
2.2E+00	1.3E-05	1.0E-03	3.0E-08	1.6E-01	5.5E-02	2.6E-10	4.7E-01	1.4E-06	1.0E-03	6.8E-10	1.6E-01	5.5E-02	5.8E-12
2.1E+00	1.3E-05	1.0E-03	2.8E-08	1.6E-01	5.5E-02	2.4E-10	4.6E-01	1.4E-06	1.0E-03	6.6E-10	1.6E-01	5.5E-02	5.7E-12
2.3E+00	1.3E-05	1.0E-03	3.1E-08	1.6E-01	5.5E-02	2.6E-10	6.8E-01	1.4E-06	1.0E-03	9.8E-10	1.6E-01	5.5E-02	8.4E-12
2.4E+00	1.3E-05	1.0E-03	3.3E-08	1.6E-01	5.5E-02	2.8E-10	6.8E-01	1.4E-06	1.0E-03	9.7E-10	1.6E-01	5.5E-02	8.3E-12
2.6E+00	1.3E-05	1.0E-03	3.4E-08	1.6E-01	5.5E-02	3.0E-10	6.7E-01	1.4E-06	1.0E-03	9.6E-10	1.6E-01	5.5E-02	8.3E-12
2.7E+00	1.3E-05	1.0E-03	3.6E-08	1.6E-01	5.5E-02	3.1E-10	6.7E-01	1.4E-06	1.0E-03	9.5E-10	1.6E-01	5.5E-02	8.2E-12
2.8E+00	1.3E-05	1.0E-03	3.8E-08	1.6E-01	5.5E-02	3.3E-10	6.6E-01	1.4E-06	1.0E-03	9.4E-10	1.6E-01	5.5E-02	8.1E-12
2.6E+00	1.3E-05	1.0E-03	3.5E-08	1.6E-01	5.5E-02	3.0E-10	5.0E-01	1.4E-06	1.0E-03	7.2E-10	1.6E-01	5.5E-02	6.2E-12
2.5E+00	1.3E-05	1.0E-03	3.3E-08	1.6E-01	5.5E-02	2.8E-10	4.9E-01	1.4E-06	1.0E-03	7.1E-10	1.6E-01	5.5E-02	6.1E-12
2.4E+00	1.3E-05	1.0E-03	3.1E-08	1.6E-01	5.5E-02	2.7E-10	4.8E-01	1.4E-06	1.0E-03	6.9E-10	1.6E-01	5.5E-02	5.9E-12
2.2E+00	1.3E-05	1.0E-03	3.0E-08	1.6E-01	5.5E-02	2.6E-10	4.7E-01	1.4E-06	1.0E-03	6.7E-10	1.6E-01	5.5E-02	5.8E-12

2.1E+00	1.3E-05	1.0E-03	2.8E-08	1.6E-01	5.5E-02	2.4E-10	4.6E-01	1.4E-06	1.0E-03	6.6E-10	1.6E-01	5.5E-02	5.7E-12
2.0E+00	1.3E-05	1.0E-03	2.7E-08	1.6E-01	5.5E-02	2.3E-10	4.5E-01	1.4E-06	1.0E-03	6.4E-10	1.6E-01	5.5E-02	5.5E-12
2.1E+00	1.3E-05	1.0E-03	2.8E-08	1.6E-01	5.5E-02	2.4E-10	6.5E-01	1.4E-06	1.0E-03	9.4E-10	1.6E-01	5.5E-02	8.1E-12
2.2E+00	1.3E-05	1.0E-03	3.0E-08	1.6E-01	5.5E-02	2.6E-10	6.5E-01	1.4E-06	1.0E-03	9.3E-10	1.6E-01	5.5E-02	8.0E-12
2.4E+00	1.3E-05	1.0E-03	3.1E-08	1.6E-01	5.5E-02	2.7E-10	6.5E-01	1.4E-06	1.0E-03	9.2E-10	1.6E-01	5.5E-02	8.0E-12
2.5E+00	1.3E-05	1.0E-03	3.3E-08	1.6E-01	5.5E-02	2.8E-10	6.4E-01	1.4E-06	1.0E-03	9.2E-10	1.6E-01	5.5E-02	7.9E-12
2.6E+00	1.3E-05	1.0E-03	3.4E-08	1.6E-01	5.5E-02	3.0E-10	6.3E-01	1.4E-06	1.0E-03	9.1E-10	1.6E-01	5.5E-02	7.8E-12
2.4E+00	1.3E-05	1.0E-03	3.2E-08	1.6E-01	5.5E-02	2.8E-10	4.9E-01	1.4E-06	1.0E-03	7.0E-10	1.6E-01	5.5E-02	6.0E-12
2.3E+00	1.3E-05	1.0E-03	3.1E-08	1.6E-01	5.5E-02	2.7E-10	4.8E-01	1.4E-06	1.0E-03	6.9E-10	1.6E-01	5.5E-02	5.9E-12
2.2E+00	1.3E-05	1.0E-03	3.0E-08	1.6E-01	5.5E-02	2.6E-10	4.7E-01	1.4E-06	1.0E-03	6.7E-10	1.6E-01	5.5E-02	5.8E-12
2.1E+00	1.3E-05	1.0E-03	2.8E-08	1.6E-01	5.5E-02	2.4E-10	4.6E-01	1.4E-06	1.0E-03	6.6E-10	1.6E-01	5.5E-02	5.7E-12
2.0E+00	1.3E-05	1.0E-03	2.7E-08	1.6E-01	5.5E-02	2.3E-10	4.5E-01	1.4E-06	1.0E-03	6.4E-10	1.6E-01	5.5E-02	5.5E-12
1.9E+00	1.3E-05	1.0E-03	2.6E-08	1.6E-01	5.5E-02	2.2E-10	4.4E-01	1.4E-06	1.0E-03	6.3E-10	1.6E-01	5.5E-02	5.4E-12
2.0E+00	1.3E-05	1.0E-03	2.6E-08	1.6E-01	5.5E-02	2.3E-10	6.3E-01	1.4E-06	1.0E-03	9.0E-10	1.6E-01	5.5E-02	7.8E-12
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2.2E+00	1.3E-05	1.0E-03	2.9E-08	1.6E-01	5.5E-02	2.5E-10	6.2E-01	1.4E-06	1.0E-03	8.9E-10	1.6E-01	5.5E-02	7.6E-12
2.3E+00	1.3E-05	1.0E-03	3.0E-08	1.6E-01	5.5E-02	2.6E-10	6.2E-01	1.4E-06	1.0E-03	8.8E-10	1.6E-01	5.5E-02	7.6E-12
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2.4E+00	1.3E-05	1.0E-03	3.1E-08	1.6E-01	5.5E-02	2.7E-10	5.7E-01	1.4E-06	1.0E-03	8.2E-10	1.6E-01	5.5E-02	7.0E-12
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2.0E+00	1.3E-05	1.0E-03	2.7E-08	1.6E-01	5.5E-02	2.3E-10	4.5E-01	1.4E-06	1.0E-03	6.5E-10	1.6E-01	5.5E-02	5.6E-12
2.0E+00	1.3E-05	1.0E-03	2.6E-08	1.6E-01	5.5E-02	2.3E-10	4.5E-01	1.4E-06	1.0E-03	6.4E-10	1.6E-01	5.5E-02	5.5E-12
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1.8E+00	1.3E-05	1.0E-03	2.4E-08	1.6E-01	5.5E-02	2.1E-10	4.3E-01	1.4E-06	1.0E-03	6.1E-10	1.6E-01	5.5E-02	5.3E-12
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1.7E+00	1.3E-05	1.0E-03	2.2E-08	1.6E-01	5.5E-02	1.9E-10	5.8E-01	1.4E-06	1.0E-03	8.3E-10	1.6E-01	5.5E-02	7.2E-12
1.8E+00	1.3E-05	1.0E-03	2.4E-08	1.6E-01	5.5E-02	2.0E-10	5.8E-01	1.4E-06	1.0E-03	8.3E-10	1.6E-01	5.5E-02	7.1E-12
1.8E+00	1.3E-05	1.0E-03	2.5E-08	1.6E-01	5.5E-02	2.1E-10	5.8E-01	1.4E-06	1.0E-03	8.2E-10	1.6E-01	5.5E-02	7.1E-12
1.9E+00	1.3E-05	1.0E-03	2.6E-08	1.6E-01	5.5E-02	2.2E-10	5.7E-01	1.4E-06	1.0E-03	8.2E-10	1.6E-01	5.5E-02	7.0E-12
2.0E+00	1.3E-05	1.0E-03	2.7E-08	1.6E-01	5.5E-02	2.3E-10	5.7E-01	1.4E-06	1.0E-03	8.1E-10	1.6E-01	5.5E-02	7.0E-12
2.1E+00	1.3E-05	1.0E-03	2.7E-08	1.6E-01	5.5E-02	2.4E-10	5.6E-01	1.4E-06	1.0E-03	8.0E-10	1.6E-01	5.5E-02	6.9E-12
2.1E+00	1.3E-05	1.0E-03	2.8E-08	1.6E-01	5.5E-02	2.4E-10	5.6E-01	1.4E-06	1.0E-03	8.0E-10	1.6E-01	5.5E-02	6.8E-12
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2.2E+00	1.3E-05	1.0E-03	3.0E-08	1.6E-01	5.5E-02	2.6E-10	4.9E-01	1.4E-06	1.0E-03	7.1E-10	1.6E-01	5.5E-02	6.1E-12
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2.2E+00	1.3E-05	1.0E-03	2.9E-08	1.6E-01	5.5E-02	2.5E-10	4.8E-01	1.4E-06	1.0E-03	6.8E-10	1.6E-01	5.5E-02	5.9E-12
2.1E+00	1.3E-05	1.0E-03	2.8E-08	1.6E-01	5.5E-02	2.4E-10	4.7E-01	1.4E-06	1.0E-03	6.7E-10	1.6E-01	5.5E-02	5.8E-12
2.0E+00	1.3E-05	1.0E-03	2.7E-08	1.6E-01	5.5E-02	2.3E-10	4.6E-01	1.4E-06	1.0E-03	6.6E-10	1.6E-01	5.5E-02	5.7E-12
2.0E+00	1.3E-05	1.0E-03	2.6E-08	1.6E-01	5.5E-02	2.3E-10	4.5E-01	1.4E-06	1.0E-03	6.5E-10	1.6E-01	5.5E-02	5.6E-12
1.9E+00	1.3E-05	1.0E-03	2.6E-08	1.6E-01	5.5E-02	2.2E-10	4.4E-01	1.4E-06	1.0E-03	6.3E-10	1.6E-01	5.5E-02	5.5E-12
1.9E+00	1.3E-05	1.0E-03	2.5E-08	1.6E-01	5.5E-02	2.1E-10	4.3E-01	1.4E-06	1.0E-03	6.2E-10	1.6E-01	5.5E-02	5.3E-12
1.8E+00	1.3E-05	1.0E-03	2.4E-08	1.6E-01	5.5E-02	2.1E-10	4.2E-01	1.4E-06	1.0E-03	6.1E-10	1.6E-01	5.5E-02	5.2E-12
1.7E+00	1.3E-05	1.0E-03	2.3E-08	1.6E-01	5.5E-02	2.0E-10	4.2E-01	1.4E-06	1.0E-03	6.0E-10	1.6E-01	5.5E-02	5.1E-12
1.7E+00	1.3E-05	1.0E-03	2.2E-08	1.6E-01	5.5E-02	1.9E-10	4.1E-01	1.4E-06	1.0E-03	5.8E-10	1.6E-01	5.5E-02	5.0E-12
1.6E+00	1.3E-05	1.0E-03	2.1E-08	1.6E-01	5.5E-02	1.8E-10	5.6E-01	1.4E-06	1.0E-03	8.0E-10	1.6E-01	5.5E-02	6.9E-12

1.6E+00	1.3E-05	1.0E-03	2.2E-08	1.6E-01	5.5E-02	1.9E-10	5.6E-01	1.4E-06	1.0E-03	8.0E-10	1.6E-01	5.5E-02	6.9E-12
1.7E+00	1.3E-05	1.0E-03	2.3E-08	1.6E-01	5.5E-02	2.0E-10	5.5E-01	1.4E-06	1.0E-03	7.9E-10	1.6E-01	5.5E-02	6.8E-12
1.8E+00	1.3E-05	1.0E-03	2.4E-08	1.6E-01	5.5E-02	2.0E-10	5.5E-01	1.4E-06	1.0E-03	7.9E-10	1.6E-01	5.5E-02	6.8E-12
1.8E+00	1.3E-05	1.0E-03	2.5E-08	1.6E-01	5.5E-02	2.1E-10	5.5E-01	1.4E-06	1.0E-03	7.8E-10	1.6E-01	5.5E-02	6.7E-12
1.9E+00	1.3E-05	1.0E-03	2.5E-08	1.6E-01	5.5E-02	2.2E-10	5.4E-01	1.4E-06	1.0E-03	7.7E-10	1.6E-01	5.5E-02	6.7E-12
2.0E+00	1.3E-05	1.0E-03	2.6E-08	1.6E-01	5.5E-02	2.2E-10	5.4E-01	1.4E-06	1.0E-03	7.7E-10	1.6E-01	5.5E-02	6.6E-12
2.0E+00	1.3E-05	1.0E-03	2.7E-08	1.6E-01	5.5E-02	2.3E-10	5.3E-01	1.4E-06	1.0E-03	7.6E-10	1.6E-01	5.5E-02	6.5E-12
2.0E+00	1.3E-05	1.0E-03	2.7E-08	1.6E-01	5.5E-02	2.3E-10	5.3E-01	1.4E-06	1.0E-03	7.5E-10	1.6E-01	5.5E-02	6.5E-12
2.1E+00	1.3E-05	1.0E-03	2.8E-08	1.6E-01	5.5E-02	2.4E-10	5.2E-01	1.4E-06	1.0E-03	7.4E-10	1.6E-01	5.5E-02	6.4E-12
2.1E+00	1.3E-05	1.0E-03	2.8E-08	1.6E-01	5.5E-02	2.4E-10	5.1E-01	1.4E-06	1.0E-03	7.3E-10	1.6E-01	5.5E-02	6.3E-12
2.1E+00	1.3E-05	1.0E-03	2.8E-08	1.6E-01	5.5E-02	2.4E-10	5.1E-01	1.4E-06	1.0E-03	7.2E-10	1.6E-01	5.5E-02	6.2E-12
2.1E+00	1.3E-05	1.0E-03	2.8E-08	1.6E-01	5.5E-02	2.4E-10	5.0E-01	1.4E-06	1.0E-03	7.1E-10	1.6E-01	5.5E-02	6.2E-12
2.1E+00	1.3E-05	1.0E-03	2.8E-08	1.6E-01	5.5E-02	2.4E-10	4.9E-01	1.4E-06	1.0E-03	7.0E-10	1.6E-01	5.5E-02	6.1E-12
2.1E+00	1.3E-05	1.0E-03	2.8E-08	1.6E-01	5.5E-02	2.4E-10	4.9E-01	1.4E-06	1.0E-03	6.9E-10	1.6E-01	5.5E-02	6.0E-12
2.1E+00	1.3E-05	1.0E-03	2.8E-08	1.6E-01	5.5E-02	2.4E-10	4.8E-01	1.4E-06	1.0E-03	6.8E-10	1.6E-01	5.5E-02	5.9E-12
2.0E+00	1.3E-05	1.0E-03	2.7E-08	1.6E-01	5.5E-02	2.3E-10	4.7E-01	1.4E-06	1.0E-03	6.7E-10	1.6E-01	5.5E-02	5.8E-12
2.0E+00	1.3E-05	1.0E-03	2.7E-08	1.6E-01	5.5E-02	2.3E-10	4.6E-01	1.4E-06	1.0E-03	6.6E-10	1.6E-01	5.5E-02	5.7E-12
2.0E+00	1.3E-05	1.0E-03	2.6E-08	1.6E-01	5.5E-02	2.3E-10	4.5E-01	1.4E-06	1.0E-03	6.5E-10	1.6E-01	5.5E-02	5.6E-12
1.9E+00	1.3E-05	1.0E-03	2.6E-08	1.6E-01	5.5E-02	2.2E-10	4.5E-01	1.4E-06	1.0E-03	6.4E-10	1.6E-01	5.5E-02	5.5E-12
1.9E+00	1.3E-05	1.0E-03	2.5E-08	1.6E-01	5.5E-02	2.1E-10	4.4E-01	1.4E-06	1.0E-03	6.3E-10	1.6E-01	5.5E-02	5.4E-12
1.8E+00	1.3E-05	1.0E-03	2.4E-08	1.6E-01	5.5E-02	2.1E-10	4.3E-01	1.4E-06	1.0E-03	6.2E-10	1.6E-01	5.5E-02	5.3E-12
1.8E+00	1.3E-05	1.0E-03	2.3E-08	1.6E-01	5.5E-02	2.0E-10	4.2E-01	1.4E-06	1.0E-03	6.0E-10	1.6E-01	5.5E-02	5.2E-12
1.7E+00	1.3E-05	1.0E-03	2.3E-08	1.6E-01	5.5E-02	1.9E-10	4.1E-01	1.4E-06	1.0E-03	5.9E-10	1.6E-01	5.5E-02	5.1E-12
1.6E+00	1.3E-05	1.0E-03	2.2E-08	1.6E-01	5.5E-02	1.9E-10	4.1E-01	1.4E-06	1.0E-03	5.8E-10	1.6E-01	5.5E-02	5.0E-12
1.6E+00	1.3E-05	1.0E-03	2.1E-08	1.6E-01	5.5E-02	1.8E-10	4.0E-01	1.4E-06	1.0E-03	5.7E-10	1.6E-01	5.5E-02	4.9E-12
1.5E+00	1.3E-05	1.0E-03	2.0E-08	1.6E-01	5.5E-02	1.7E-10	5.4E-01	1.4E-06	1.0E-03	7.7E-10	1.6E-01	5.5E-02	6.7E-12
1.5E+00	1.3E-05	1.0E-03	2.0E-08	1.6E-01	5.5E-02	1.8E-10	5.4E-01	1.4E-06	1.0E-03	7.7E-10	1.6E-01	5.5E-02	6.6E-12
1.6E+00	1.3E-05	1.0E-03	2.1E-08	1.6E-01	5.5E-02	1.8E-10	5.3E-01	1.4E-06	1.0E-03	7.6E-10	1.6E-01	5.5E-02	6.6E-12
1.6E+00	1.3E-05	1.0E-03	2.2E-08	1.6E-01	5.5E-02	1.9E-10	5.3E-01	1.4E-06	1.0E-03	7.6E-10	1.6E-01	5.5E-02	6.5E-12
1.7E+00	1.3E-05	1.0E-03	2.3E-08	1.6E-01	5.5E-02	2.0E-10	5.3E-01	1.4E-06	1.0E-03	7.5E-10	1.6E-01	5.5E-02	6.5E-12
1.8E+00	1.3E-05	1.0E-03	2.3E-08	1.6E-01	5.5E-02	2.0E-10	5.2E-01	1.4E-06	1.0E-03	7.5E-10	1.6E-01	5.5E-02	6.4E-12
1.8E+00	1.3E-05	1.0E-03	2.4E-08	1.6E-01	5.5E-02	2.1E-10	5.2E-01	1.4E-06	1.0E-03	7.4E-10	1.6E-01	5.5E-02	6.4E-12
1.8E+00	1.3E-05	1.0E-03	2.5E-08	1.6E-01	5.5E-02	2.1E-10	5.1E-01	1.4E-06	1.0E-03	7.3E-10	1.6E-01	5.5E-02	6.3E-12
1.9E+00	1.3E-05	1.0E-03	2.5E-08	1.6E-01	5.5E-02	2.2E-10	5.1E-01	1.4E-06	1.0E-03	7.3E-10	1.6E-01	5.5E-02	6.3E-12
1.9E+00	1.3E-05	1.0E-03	2.5E-08	1.6E-01	5.5E-02	2.2E-10	5.0E-01	1.4E-06	1.0E-03	7.2E-10	1.6E-01	5.5E-02	6.2E-12
1.9E+00	1.3E-05	1.0E-03	2.6E-08	1.6E-01	5.5E-02	2.2E-10	5.0E-01	1.4E-06	1.0E-03	7.1E-10	1.6E-01	5.5E-02	6.1E-12
1.9E+00	1.3E-05	1.0E-03	2.6E-08	1.6E-01	5.5E-02	2.2E-10	4.9E-01	1.4E-06	1.0E-03	7.0E-10	1.6E-01	5.5E-02	6.0E-12
2.0E+00	1.3E-05	1.0E-03	2.6E-08	1.6E-01	5.5E-02	2.2E-10	4.8E-01	1.4E-06	1.0E-03	6.9E-10	1.6E-01	5.5E-02	6.0E-12
2.0E+00	1.3E-05	1.0E-03	2.6E-08	1.6E-01	5.5E-02	2.2E-10	4.8E-01	1.4E-06	1.0E-03	6.8E-10	1.6E-01	5.5E-02	5.9E-12
1.9E+00	1.3E-05	1.0E-03	2.6E-08	1.6E-01	5.5E-02	2.2E-10	4.7E-01	1.4E-06	1.0E-03	6.7E-10	1.6E-01	5.5E-02	5.8E-12
1.9E+00	1.3E-05	1.0E-03	2.6E-08	1.6E-01	5.5E-02	2.2E-10	4.6E-01	1.4E-06	1.0E-03	6.6E-10	1.6E-01	5.5E-02	5.7E-12
1.9E+00	1.3E-05	1.0E-03	2.5E-08	1.6E-01	5.5E-02	2.2E-10	4.6E-01	1.4E-06	1.0E-03	6.5E-10	1.6E-01	5.5E-02	5.6E-12
1.9E+00	1.3E-05	1.0E-03	2.5E-08	1.6E-01	5.5E-02	2.2E-10	4.5E-01	1.4E-06	1.0E-03	6.4E-10	1.6E-01	5.5E-02	5.5E-12
1.8E+00	1.3E-05	1.0E-03	2.5E-08	1.6E-01	5.5E-02	2.1E-10	4.4E-01	1.4E-06	1.0E-03	6.3E-10	1.6E-01	5.5E-02	5.4E-12
1.8E+00	1.3E-05	1.0E-03	2.4E-08	1.6E-01	5.5E-02	2.1E-10	4.3E-01	1.4E-06	1.0E-03	6.2E-10	1.6E-01	5.5E-02	5.4E-12
1.8E+00	1.3E-05	1.0E-03	2.3E-08	1.6E-01	5.5E-02	2.0E-10	4.3E-01	1.4E-06	1.0E-03	6.1E-10	1.6E-01	5.5E-02	5.3E-12

1.7E+00	1.3E-05	1.0E-03	2.3E-08	1.6E-01	5.5E-02	2.0E-10	4.2E-01	1.4E-06	1.0E-03	6.0E-10	1.6E-01	5.5E-02	5.2E-12
1.7E+00	1.3E-05	1.0E-03	2.2E-08	1.6E-01	5.5E-02	1.9E-10	4.1E-01	1.4E-06	1.0E-03	5.9E-10	1.6E-01	5.5E-02	5.1E-12
1.6E+00	1.3E-05	1.0E-03	2.1E-08	1.6E-01	5.5E-02	1.8E-10	4.0E-01	1.4E-06	1.0E-03	5.8E-10	1.6E-01	5.5E-02	5.0E-12
1.6E+00	1.3E-05	1.0E-03	2.1E-08	1.6E-01	5.5E-02	1.8E-10	4.0E-01	1.4E-06	1.0E-03	5.7E-10	1.6E-01	5.5E-02	4.9E-12
1.5E+00	1.3E-05	1.0E-03	2.0E-08	1.6E-01	5.5E-02	1.7E-10	3.9E-01	1.4E-06	1.0E-03	5.6E-10	1.6E-01	5.5E-02	4.8E-12
1.4E+00	1.3E-05	1.0E-03	1.8E-08	1.6E-01	5.5E-02	1.6E-10	5.2E-01	1.4E-06	1.0E-03	7.5E-10	1.6E-01	5.5E-02	6.4E-12
1.4E+00	1.3E-05	1.0E-03	1.9E-08	1.6E-01	5.5E-02	1.6E-10	5.2E-01	1.4E-06	1.0E-03	7.4E-10	1.6E-01	5.5E-02	6.4E-12
1.5E+00	1.3E-05	1.0E-03	2.0E-08	1.6E-01	5.5E-02	1.7E-10	5.2E-01	1.4E-06	1.0E-03	7.4E-10	1.6E-01	5.5E-02	6.4E-12
1.5E+00	1.3E-05	1.0E-03	2.0E-08	1.6E-01	5.5E-02	1.8E-10	5.1E-01	1.4E-06	1.0E-03	7.3E-10	1.6E-01	5.5E-02	6.3E-12
1.6E+00	1.3E-05	1.0E-03	2.1E-08	1.6E-01	5.5E-02	1.8E-10	5.1E-01	1.4E-06	1.0E-03	7.3E-10	1.6E-01	5.5E-02	6.3E-12
1.6E+00	1.3E-05	1.0E-03	2.2E-08	1.6E-01	5.5E-02	1.9E-10	5.0E-01	1.4E-06	1.0E-03	7.2E-10	1.6E-01	5.5E-02	6.2E-12
1.7E+00	1.3E-05	1.0E-03	2.2E-08	1.6E-01	5.5E-02	1.9E-10	5.0E-01	1.4E-06	1.0E-03	7.2E-10	1.6E-01	5.5E-02	6.2E-12
1.7E+00	1.3E-05	1.0E-03	2.3E-08	1.6E-01	5.5E-02	2.0E-10	5.0E-01	1.4E-06	1.0E-03	7.1E-10	1.6E-01	5.5E-02	6.1E-12
1.7E+00	1.3E-05	1.0E-03	2.3E-08	1.6E-01	5.5E-02	2.0E-10	4.9E-01	1.4E-06	1.0E-03	7.0E-10	1.6E-01	5.5E-02	6.0E-12
1.8E+00	1.3E-05	1.0E-03	2.4E-08	1.6E-01	5.5E-02	2.0E-10	4.9E-01	1.4E-06	1.0E-03	7.0E-10	1.6E-01	5.5E-02	6.0E-12
1.8E+00	1.3E-05	1.0E-03	2.4E-08	1.6E-01	5.5E-02	2.1E-10	4.8E-01	1.4E-06	1.0E-03	6.9E-10	1.6E-01	5.5E-02	5.9E-12
1.8E+00	1.3E-05	1.0E-03	2.4E-08	1.6E-01	5.5E-02	2.1E-10	4.7E-01	1.4E-06	1.0E-03	6.8E-10	1.6E-01	5.5E-02	5.8E-12
1.8E+00	1.3E-05	1.0E-03	2.4E-08	1.6E-01	5.5E-02	2.1E-10	4.7E-01	1.4E-06	1.0E-03	6.7E-10	1.6E-01	5.5E-02	5.8E-12
1.8E+00	1.3E-05	1.0E-03	2.4E-08	1.6E-01	5.5E-02	2.1E-10	4.6E-01	1.4E-06	1.0E-03	6.6E-10	1.6E-01	5.5E-02	5.7E-12
1.8E+00	1.3E-05	1.0E-03	2.4E-08	1.6E-01	5.5E-02	2.1E-10	4.6E-01	1.4E-06	1.0E-03	6.5E-10	1.6E-01	5.5E-02	5.6E-12
1.8E+00	1.3E-05	1.0E-03	2.4E-08	1.6E-01	5.5E-02	2.1E-10	4.5E-01	1.4E-06	1.0E-03	6.4E-10	1.6E-01	5.5E-02	5.5E-12
1.8E+00	1.3E-05	1.0E-03	2.4E-08	1.6E-01	5.5E-02	2.0E-10	4.4E-01	1.4E-06	1.0E-03	6.3E-10	1.6E-01	5.5E-02	5.5E-12
1.8E+00	1.3E-05	1.0E-03	2.3E-08	1.6E-01	5.5E-02	2.0E-10	4.4E-01	1.4E-06	1.0E-03	6.2E-10	1.6E-01	5.5E-02	5.4E-12
1.7E+00	1.3E-05	1.0E-03	2.3E-08	1.6E-01	5.5E-02	2.0E-10	4.3E-01	1.4E-06	1.0E-03	6.1E-10	1.6E-01	5.5E-02	5.3E-12
1.7E+00	1.3E-05	1.0E-03	2.2E-08	1.6E-01	5.5E-02	1.9E-10	4.2E-01	1.4E-06	1.0E-03	6.0E-10	1.6E-01	5.5E-02	5.2E-12
1.6E+00	1.3E-05	1.0E-03	2.2E-08	1.6E-01	5.5E-02	1.9E-10	4.1E-01	1.4E-06	1.0E-03	5.9E-10	1.6E-01	5.5E-02	5.1E-12
1.6E+00	1.3E-05	1.0E-03	2.1E-08	1.6E-01	5.5E-02	1.8E-10	4.1E-01	1.4E-06	1.0E-03	5.8E-10	1.6E-01	5.5E-02	5.0E-12
1.6E+00	1.3E-05	1.0E-03	2.1E-08	1.6E-01	5.5E-02	1.8E-10	4.0E-01	1.4E-06	1.0E-03	5.7E-10	1.6E-01	5.5E-02	4.9E-12
1.5E+00	1.3E-05	1.0E-03	2.0E-08	1.6E-01	5.5E-02	1.7E-10	3.9E-01	1.4E-06	1.0E-03	5.6E-10	1.6E-01	5.5E-02	4.8E-12
1.5E+00	1.3E-05	1.0E-03	2.0E-08	1.6E-01	5.5E-02	1.7E-10	3.9E-01	1.4E-06	1.0E-03	5.5E-10	1.6E-01	5.5E-02	4.8E-12
1.4E+00	1.3E-05	1.0E-03	1.9E-08	1.6E-01	5.5E-02	1.6E-10	3.8E-01	1.4E-06	1.0E-03	5.4E-10	1.6E-01	5.5E-02	4.7E-12

Risk From New Building Grading - Mitigated Residential

Franklin School Project
Risk From New Building Grading - Mitigated Residential

	0.06	Max					Onsite		
Receptor #	**Total/ Million**	**Total**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
1	0.00	2.2E-10	2.0E-01	4.9E-04	1.0E-03	1.0E-07	1.6E-01	1.4E-02	2.2E-10
2	0.00	2.4E-10	2.2E-01	4.9E-04	1.0E-03	1.1E-07	1.6E-01	1.4E-02	2.4E-10
3	0.00	2.6E-10	2.4E-01	4.9E-04	1.0E-03	1.2E-07	1.6E-01	1.4E-02	2.6E-10
4	0.00	2.9E-10	2.6E-01	4.9E-04	1.0E-03	1.3E-07	1.6E-01	1.4E-02	2.9E-10
5	0.00	3.1E-10	2.9E-01	4.9E-04	1.0E-03	1.5E-07	1.6E-01	1.4E-02	3.1E-10
6	0.00	3.4E-10	3.1E-01	4.9E-04	1.0E-03	1.6E-07	1.6E-01	1.4E-02	3.4E-10
7	0.00	3.6E-10	3.3E-01	4.9E-04	1.0E-03	1.7E-07	1.6E-01	1.4E-02	3.6E-10
8	0.00	3.8E-10	3.5E-01	4.9E-04	1.0E-03	1.8E-07	1.6E-01	1.4E-02	3.8E-10
9	0.00	4.1E-10	3.7E-01	4.9E-04	1.0E-03	1.9E-07	1.6E-01	1.4E-02	4.1E-10
10	0.00	4.3E-10	3.9E-01	4.9E-04	1.0E-03	2.0E-07	1.6E-01	1.4E-02	4.3E-10
11	0.00	4.6E-10	4.2E-01	4.9E-04	1.0E-03	2.2E-07	1.6E-01	1.4E-02	4.6E-10
12	0.00	5.0E-10	4.5E-01	4.9E-04	1.0E-03	2.3E-07	1.6E-01	1.4E-02	5.0E-10
13	0.00	5.3E-10	4.8E-01	4.9E-04	1.0E-03	2.5E-07	1.6E-01	1.4E-02	5.3E-10
14	0.00	5.6E-10	5.0E-01	4.9E-04	1.0E-03	2.6E-07	1.6E-01	1.4E-02	5.6E-10
15	0.00	5.7E-10	5.2E-01	4.9E-04	1.0E-03	2.7E-07	1.6E-01	1.4E-02	5.7E-10
16	0.00	5.8E-10	5.3E-01	4.9E-04	1.0E-03	2.7E-07	1.6E-01	1.4E-02	5.8E-10
17	0.00	2.4E-10	2.2E-01	4.9E-04	1.0E-03	1.1E-07	1.6E-01	1.4E-02	2.4E-10
18	0.00	2.7E-10	2.5E-01	4.9E-04	1.0E-03	1.3E-07	1.6E-01	1.4E-02	2.7E-10
19	0.00	3.0E-10	2.8E-01	4.9E-04	1.0E-03	1.4E-07	1.6E-01	1.4E-02	3.0E-10
20	0.00	3.4E-10	3.1E-01	4.9E-04	1.0E-03	1.6E-07	1.6E-01	1.4E-02	3.4E-10
21	0.00	3.7E-10	3.4E-01	4.9E-04	1.0E-03	1.7E-07	1.6E-01	1.4E-02	3.7E-10
22	0.00	4.1E-10	3.7E-01	4.9E-04	1.0E-03	1.9E-07	1.6E-01	1.4E-02	4.1E-10
23	0.00	4.4E-10	4.0E-01	4.9E-04	1.0E-03	2.1E-07	1.6E-01	1.4E-02	4.4E-10
24	0.00	4.7E-10	4.3E-01	4.9E-04	1.0E-03	2.2E-07	1.6E-01	1.4E-02	4.7E-10
25	0.00	5.1E-10	4.6E-01	4.9E-04	1.0E-03	2.4E-07	1.6E-01	1.4E-02	5.1E-10
26	0.00	5.4E-10	4.9E-01	4.9E-04	1.0E-03	2.5E-07	1.6E-01	1.4E-02	5.4E-10
27	0.00	6.0E-10	5.4E-01	4.9E-04	1.0E-03	2.8E-07	1.6E-01	1.4E-02	6.0E-10
28	0.00	6.5E-10	5.9E-01	4.9E-04	1.0E-03	3.0E-07	1.6E-01	1.4E-02	6.5E-10
29	0.00	6.9E-10	6.2E-01	4.9E-04	1.0E-03	3.2E-07	1.6E-01	1.4E-02	6.9E-10
30	0.00	7.1E-10	6.5E-01	4.9E-04	1.0E-03	3.3E-07	1.6E-01	1.4E-02	7.1E-10
31	0.00	7.3E-10	6.6E-01	4.9E-04	1.0E-03	3.4E-07	1.6E-01	1.4E-02	7.3E-10
32	0.00	7.2E-10	6.5E-01	4.9E-04	1.0E-03	3.3E-07	1.6E-01	1.4E-02	7.2E-10
33	0.00	2.7E-10	2.5E-01	4.9E-04	1.0E-03	1.3E-07	1.6E-01	1.4E-02	2.7E-10
34	0.00	3.1E-10	2.8E-01	4.9E-04	1.0E-03	1.4E-07	1.6E-01	1.4E-02	3.1E-10
35	0.00	3.5E-10	3.2E-01	4.9E-04	1.0E-03	1.6E-07	1.6E-01	1.4E-02	3.5E-10
36	0.00	4.0E-10	3.6E-01	4.9E-04	1.0E-03	1.9E-07	1.6E-01	1.4E-02	4.0E-10
37	0.00	4.5E-10	4.1E-01	4.9E-04	1.0E-03	2.1E-07	1.6E-01	1.4E-02	4.5E-10
38	0.00	5.0E-10	4.6E-01	4.9E-04	1.0E-03	2.3E-07	1.6E-01	1.4E-02	5.0E-10
39	0.00	5.6E-10	5.1E-01	4.9E-04	1.0E-03	2.6E-07	1.6E-01	1.4E-02	5.6E-10

40	0.00	6.0E-10	5.5E-01	4.9E-04	1.0E-03	2.8E-07	1.6E-01	1.4E-02	6.0E-10
41	0.00	6.5E-10	5.9E-01	4.9E-04	1.0E-03	3.0E-07	1.6E-01	1.4E-02	6.5E-10
42	0.00	7.1E-10	6.5E-01	4.9E-04	1.0E-03	3.3E-07	1.6E-01	1.4E-02	7.1E-10
43	0.00	7.9E-10	7.2E-01	4.9E-04	1.0E-03	3.7E-07	1.6E-01	1.4E-02	7.9E-10
44	0.00	8.6E-10	7.8E-01	4.9E-04	1.0E-03	4.0E-07	1.6E-01	1.4E-02	8.6E-10
45	0.00	9.1E-10	8.3E-01	4.9E-04	1.0E-03	4.2E-07	1.6E-01	1.4E-02	9.1E-10
46	0.00	9.3E-10	8.5E-01	4.9E-04	1.0E-03	4.3E-07	1.6E-01	1.4E-02	9.3E-10
47	0.00	9.3E-10	8.4E-01	4.9E-04	1.0E-03	4.3E-07	1.6E-01	1.4E-02	9.3E-10
48	0.00	9.0E-10	8.1E-01	4.9E-04	1.0E-03	4.2E-07	1.6E-01	1.4E-02	9.0E-10
49	0.00	3.1E-10	2.8E-01	4.9E-04	1.0E-03	1.4E-07	1.6E-01	1.4E-02	3.1E-10
50	0.00	3.6E-10	3.2E-01	4.9E-04	1.0E-03	1.7E-07	1.6E-01	1.4E-02	3.6E-10
51	0.00	4.1E-10	3.8E-01	4.9E-04	1.0E-03	1.9E-07	1.6E-01	1.4E-02	4.1E-10
52	0.00	4.8E-10	4.4E-01	4.9E-04	1.0E-03	2.2E-07	1.6E-01	1.4E-02	4.8E-10
53	0.00	5.6E-10	5.0E-01	4.9E-04	1.0E-03	2.6E-07	1.6E-01	1.4E-02	5.6E-10
54	0.00	6.4E-10	5.8E-01	4.9E-04	1.0E-03	3.0E-07	1.6E-01	1.4E-02	6.4E-10
55	0.00	7.2E-10	6.5E-01	4.9E-04	1.0E-03	3.3E-07	1.6E-01	1.4E-02	7.2E-10
56	0.00	7.9E-10	7.2E-01	4.9E-04	1.0E-03	3.7E-07	1.6E-01	1.4E-02	7.9E-10
57	0.00	8.7E-10	7.9E-01	4.9E-04	1.0E-03	4.1E-07	1.6E-01	1.4E-02	8.7E-10
58	0.00	9.8E-10	8.9E-01	4.9E-04	1.0E-03	4.5E-07	1.6E-01	1.4E-02	9.8E-10
59	0.00	1.1E-09	1.0E+00	4.9E-04	1.0E-03	5.2E-07	1.6E-01	1.4E-02	1.1E-09
60	0.00	1.2E-09	1.1E+00	4.9E-04	1.0E-03	5.6E-07	1.6E-01	1.4E-02	1.2E-09
61	0.00	1.2E-09	1.1E+00	4.9E-04	1.0E-03	5.8E-07	1.6E-01	1.4E-02	1.2E-09
62	0.00	1.2E-09	1.1E+00	4.9E-04	1.0E-03	5.8E-07	1.6E-01	1.4E-02	1.2E-09
63	0.00	1.2E-09	1.1E+00	4.9E-04	1.0E-03	5.5E-07	1.6E-01	1.4E-02	1.2E-09
64	0.00	1.1E-09	1.0E+00	4.9E-04	1.0E-03	5.1E-07	1.6E-01	1.4E-02	1.1E-09
65	0.00	3.5E-10	3.1E-01	4.9E-04	1.0E-03	1.6E-07	1.6E-01	1.4E-02	3.5E-10
66	0.00	4.1E-10	3.7E-01	4.9E-04	1.0E-03	1.9E-07	1.6E-01	1.4E-02	4.1E-10
67	0.00	4.9E-10	4.4E-01	4.9E-04	1.0E-03	2.3E-07	1.6E-01	1.4E-02	4.9E-10
68	0.00	5.8E-10	5.3E-01	4.9E-04	1.0E-03	2.7E-07	1.6E-01	1.4E-02	5.8E-10
69	0.00	7.0E-10	6.3E-01	4.9E-04	1.0E-03	3.2E-07	1.6E-01	1.4E-02	7.0E-10
70	0.00	8.3E-10	7.5E-01	4.9E-04	1.0E-03	3.8E-07	1.6E-01	1.4E-02	8.3E-10
71	0.00	9.7E-10	8.8E-01	4.9E-04	1.0E-03	4.5E-07	1.6E-01	1.4E-02	9.7E-10
72	0.00	1.1E-09	1.0E+00	4.9E-04	1.0E-03	5.1E-07	1.6E-01	1.4E-02	1.1E-09
73	0.00	1.3E-09	1.1E+00	4.9E-04	1.0E-03	5.8E-07	1.6E-01	1.4E-02	1.3E-09
74	0.00	1.5E-09	1.3E+00	4.9E-04	1.0E-03	6.8E-07	1.6E-01	1.4E-02	1.5E-09
75	0.00	1.6E-09	1.5E+00	4.9E-04	1.0E-03	7.7E-07	1.6E-01	1.4E-02	1.6E-09
76	0.00	1.7E-09	1.6E+00	4.9E-04	1.0E-03	8.1E-07	1.6E-01	1.4E-02	1.7E-09
77	0.00	1.7E-09	1.6E+00	4.9E-04	1.0E-03	8.1E-07	1.6E-01	1.4E-02	1.7E-09
78	0.00	1.6E-09	1.5E+00	4.9E-04	1.0E-03	7.6E-07	1.6E-01	1.4E-02	1.6E-09
79	0.00	1.5E-09	1.4E+00	4.9E-04	1.0E-03	7.0E-07	1.6E-01	1.4E-02	1.5E-09
80	0.00	1.3E-09	1.2E+00	4.9E-04	1.0E-03	6.2E-07	1.6E-01	1.4E-02	1.3E-09
81	0.00	3.9E-10	3.5E-01	4.9E-04	1.0E-03	1.8E-07	1.6E-01	1.4E-02	3.9E-10
82	0.00	4.6E-10	4.2E-01	4.9E-04	1.0E-03	2.2E-07	1.6E-01	1.4E-02	4.6E-10
83	0.00	5.7E-10	5.2E-01	4.9E-04	1.0E-03	2.6E-07	1.6E-01	1.4E-02	5.7E-10
84	0.00	7.1E-10	6.4E-01	4.9E-04	1.0E-03	3.3E-07	1.6E-01	1.4E-02	7.1E-10
85	0.00	8.9E-10	8.1E-01	4.9E-04	1.0E-03	4.1E-07	1.6E-01	1.4E-02	8.9E-10

86	0.00	1.1E-09	1.0E+00	4.9E-04	1.0E-03	5.2E-07	1.6E-01	1.4E-02	1.1E-09
87	0.00	1.4E-09	1.3E+00	4.9E-04	1.0E-03	6.4E-07	1.6E-01	1.4E-02	1.4E-09
88	0.00	1.7E-09	1.5E+00	4.9E-04	1.0E-03	7.7E-07	1.6E-01	1.4E-02	1.7E-09
89	0.00	2.0E-09	1.8E+00	4.9E-04	1.0E-03	9.2E-07	1.6E-01	1.4E-02	2.0E-09
90	0.00	2.4E-09	2.2E+00	4.9E-04	1.0E-03	1.1E-06	1.6E-01	1.4E-02	2.4E-09
91	0.00	2.6E-09	2.4E+00	4.9E-04	1.0E-03	1.2E-06	1.6E-01	1.4E-02	2.6E-09
92	0.00	2.6E-09	2.4E+00	4.9E-04	1.0E-03	1.2E-06	1.6E-01	1.4E-02	2.6E-09
93	0.00	2.4E-09	2.2E+00	4.9E-04	1.0E-03	1.1E-06	1.6E-01	1.4E-02	2.4E-09
94	0.00	2.1E-09	1.9E+00	4.9E-04	1.0E-03	9.9E-07	1.6E-01	1.4E-02	2.1E-09
95	0.00	1.8E-09	1.7E+00	4.9E-04	1.0E-03	8.5E-07	1.6E-01	1.4E-02	1.8E-09
96	0.00	1.6E-09	1.4E+00	4.9E-04	1.0E-03	7.2E-07	1.6E-01	1.4E-02	1.6E-09
97	0.00	4.2E-10	3.8E-01	4.9E-04	1.0E-03	2.0E-07	1.6E-01	1.4E-02	4.2E-10
98	0.00	5.2E-10	4.7E-01	4.9E-04	1.0E-03	2.4E-07	1.6E-01	1.4E-02	5.2E-10
99	0.00	6.6E-10	6.0E-01	4.9E-04	1.0E-03	3.1E-07	1.6E-01	1.4E-02	6.6E-10
100	0.00	8.6E-10	7.8E-01	4.9E-04	1.0E-03	4.0E-07	1.6E-01	1.4E-02	8.6E-10
101	0.00	1.1E-09	1.0E+00	4.9E-04	1.0E-03	5.3E-07	1.6E-01	1.4E-02	1.1E-09
102	0.00	1.6E-09	1.4E+00	4.9E-04	1.0E-03	7.2E-07	1.6E-01	1.4E-02	1.6E-09
103	0.00	2.1E-09	1.9E+00	4.9E-04	1.0E-03	9.8E-07	1.6E-01	1.4E-02	2.1E-09
104	0.00	2.8E-09	2.6E+00	4.9E-04	1.0E-03	1.3E-06	1.6E-01	1.4E-02	2.8E-09
105	0.00	3.6E-09	3.3E+00	4.9E-04	1.0E-03	1.7E-06	1.6E-01	1.4E-02	3.6E-09
106	0.00	4.4E-09	4.0E+00	4.9E-04	1.0E-03	2.0E-06	1.6E-01	1.4E-02	4.4E-09
107	0.00	4.4E-09	4.0E+00	4.9E-04	1.0E-03	2.0E-06	1.6E-01	1.4E-02	4.4E-09
108	0.00	3.9E-09	3.6E+00	4.9E-04	1.0E-03	1.8E-06	1.6E-01	1.4E-02	3.9E-09
109	0.00	3.3E-09	3.0E+00	4.9E-04	1.0E-03	1.5E-06	1.6E-01	1.4E-02	3.3E-09
110	0.00	2.7E-09	2.4E+00	4.9E-04	1.0E-03	1.2E-06	1.6E-01	1.4E-02	2.7E-09
111	0.00	2.1E-09	1.9E+00	4.9E-04	1.0E-03	9.9E-07	1.6E-01	1.4E-02	2.1E-09
112	0.00	1.7E-09	1.6E+00	4.9E-04	1.0E-03	8.0E-07	1.6E-01	1.4E-02	1.7E-09
113	0.00	4.6E-10	4.2E-01	4.9E-04	1.0E-03	2.1E-07	1.6E-01	1.4E-02	4.6E-10
114	0.00	5.8E-10	5.3E-01	4.9E-04	1.0E-03	2.7E-07	1.6E-01	1.4E-02	5.8E-10
115	0.00	7.6E-10	6.9E-01	4.9E-04	1.0E-03	3.5E-07	1.6E-01	1.4E-02	7.6E-10
116	0.00	1.0E-09	9.4E-01	4.9E-04	1.0E-03	4.8E-07	1.6E-01	1.4E-02	1.0E-09
117	0.00	1.5E-09	1.3E+00	4.9E-04	1.0E-03	6.8E-07	1.6E-01	1.4E-02	1.5E-09
118	0.01	9.3E-09	8.4E+00	4.9E-04	1.0E-03	4.3E-06	1.6E-01	1.4E-02	9.3E-09
119	0.01	7.4E-09	6.7E+00	4.9E-04	1.0E-03	3.4E-06	1.6E-01	1.4E-02	7.4E-09
120	0.01	5.6E-09	5.1E+00	4.9E-04	1.0E-03	2.6E-06	1.6E-01	1.4E-02	5.6E-09
121	0.00	4.1E-09	3.8E+00	4.9E-04	1.0E-03	1.9E-06	1.6E-01	1.4E-02	4.1E-09
122	0.00	3.1E-09	2.8E+00	4.9E-04	1.0E-03	1.4E-06	1.6E-01	1.4E-02	3.1E-09
123	0.00	2.3E-09	2.1E+00	4.9E-04	1.0E-03	1.1E-06	1.6E-01	1.4E-02	2.3E-09
124	0.00	1.8E-09	1.6E+00	4.9E-04	1.0E-03	8.4E-07	1.6E-01	1.4E-02	1.8E-09
125	0.00	4.8E-10	4.4E-01	4.9E-04	1.0E-03	2.2E-07	1.6E-01	1.4E-02	4.8E-10
126	0.00	6.2E-10	5.6E-01	4.9E-04	1.0E-03	2.9E-07	1.6E-01	1.4E-02	6.2E-10
127	0.00	8.3E-10	7.6E-01	4.9E-04	1.0E-03	3.9E-07	1.6E-01	1.4E-02	8.3E-10
128	0.00	1.2E-09	1.1E+00	4.9E-04	1.0E-03	5.4E-07	1.6E-01	1.4E-02	1.2E-09
129	0.00	1.8E-09	1.6E+00	4.9E-04	1.0E-03	8.2E-07	1.6E-01	1.4E-02	1.8E-09
130	0.02	1.9E-08	1.7E+01	4.9E-04	1.0E-03	8.7E-06	1.6E-01	1.4E-02	1.9E-08
131	0.01	1.1E-08	1.0E+01	4.9E-04	1.0E-03	5.1E-06	1.6E-01	1.4E-02	1.1E-08

132	0.01	7.0E-09	6.3E+00	4.9E-04	1.0E-03	3.2E-06	1.6E-01	1.4E-02	7.0E-09
133	0.00	4.7E-09	4.2E+00	4.9E-04	1.0E-03	2.2E-06	1.6E-01	1.4E-02	4.7E-09
134	0.00	3.2E-09	2.9E+00	4.9E-04	1.0E-03	1.5E-06	1.6E-01	1.4E-02	3.2E-09
135	0.00	2.3E-09	2.1E+00	4.9E-04	1.0E-03	1.1E-06	1.6E-01	1.4E-02	2.3E-09
136	0.00	1.7E-09	1.6E+00	4.9E-04	1.0E-03	8.1E-07	1.6E-01	1.4E-02	1.7E-09
137	0.00	4.9E-10	4.5E-01	4.9E-04	1.0E-03	2.3E-07	1.6E-01	1.4E-02	4.9E-10
138	0.00	6.4E-10	5.9E-01	4.9E-04	1.0E-03	3.0E-07	1.6E-01	1.4E-02	6.4E-10
139	0.00	8.7E-10	7.9E-01	4.9E-04	1.0E-03	4.0E-07	1.6E-01	1.4E-02	8.7E-10
140	0.00	1.3E-09	1.1E+00	4.9E-04	1.0E-03	5.8E-07	1.6E-01	1.4E-02	1.3E-09
141	0.00	1.9E-09	1.8E+00	4.9E-04	1.0E-03	9.0E-07	1.6E-01	1.4E-02	1.9E-09
142	0.03	2.8E-08	2.5E+01	4.9E-04	1.0E-03	1.3E-05	1.6E-01	1.4E-02	2.8E-08
143	0.01	1.3E-08	1.2E+01	4.9E-04	1.0E-03	6.2E-06	1.6E-01	1.4E-02	1.3E-08
144	0.01	7.3E-09	6.7E+00	4.9E-04	1.0E-03	3.4E-06	1.6E-01	1.4E-02	7.3E-09
145	0.00	4.6E-09	4.2E+00	4.9E-04	1.0E-03	2.1E-06	1.6E-01	1.4E-02	4.6E-09
146	0.00	3.0E-09	2.8E+00	4.9E-04	1.0E-03	1.4E-06	1.6E-01	1.4E-02	3.0E-09
147	0.00	2.1E-09	1.9E+00	4.9E-04	1.0E-03	1.0E-06	1.6E-01	1.4E-02	2.1E-09
148	0.00	1.6E-09	1.4E+00	4.9E-04	1.0E-03	7.3E-07	1.6E-01	1.4E-02	1.6E-09
149	0.00	4.9E-10	4.5E-01	4.9E-04	1.0E-03	2.3E-07	1.6E-01	1.4E-02	4.9E-10
150	0.00	6.3E-10	5.7E-01	4.9E-04	1.0E-03	2.9E-07	1.6E-01	1.4E-02	6.3E-10
151	0.00	8.6E-10	7.8E-01	4.9E-04	1.0E-03	4.0E-07	1.6E-01	1.4E-02	8.6E-10
152	0.00	1.2E-09	1.1E+00	4.9E-04	1.0E-03	5.7E-07	1.6E-01	1.4E-02	1.2E-09
153	0.00	1.9E-09	1.7E+00	4.9E-04	1.0E-03	8.8E-07	1.6E-01	1.4E-02	1.9E-09
154	0.04	4.2E-08	3.8E+01	4.9E-04	1.0E-03	2.0E-05	1.6E-01	1.4E-02	4.2E-08
155	0.01	1.3E-08	1.1E+01	4.9E-04	1.0E-03	5.8E-06	1.6E-01	1.4E-02	1.3E-08
156	0.01	6.1E-09	5.6E+00	4.9E-04	1.0E-03	2.8E-06	1.6E-01	1.4E-02	6.1E-09
157	0.00	3.9E-09	3.6E+00	4.9E-04	1.0E-03	1.8E-06	1.6E-01	1.4E-02	3.9E-09
158	0.00	2.6E-09	2.4E+00	4.9E-04	1.0E-03	1.2E-06	1.6E-01	1.4E-02	2.6E-09
159	0.00	1.8E-09	1.7E+00	4.9E-04	1.0E-03	8.5E-07	1.6E-01	1.4E-02	1.8E-09
160	0.00	1.4E-09	1.2E+00	4.9E-04	1.0E-03	6.3E-07	1.6E-01	1.4E-02	1.4E-09
161	0.00	4.5E-10	4.0E-01	4.9E-04	1.0E-03	2.1E-07	1.6E-01	1.4E-02	4.5E-10
162	0.00	5.7E-10	5.2E-01	4.9E-04	1.0E-03	2.6E-07	1.6E-01	1.4E-02	5.7E-10
163	0.00	7.6E-10	6.9E-01	4.9E-04	1.0E-03	3.5E-07	1.6E-01	1.4E-02	7.6E-10
164	0.00	1.1E-09	1.0E+00	4.9E-04	1.0E-03	5.2E-07	1.6E-01	1.4E-02	1.1E-09
165	0.00	1.7E-09	1.6E+00	4.9E-04	1.0E-03	8.0E-07	1.6E-01	1.4E-02	1.7E-09
166	0.00	2.9E-09	2.7E+00	4.9E-04	1.0E-03	1.4E-06	1.6E-01	1.4E-02	2.9E-09
167	0.01	6.0E-09	5.5E+00	4.9E-04	1.0E-03	2.8E-06	1.6E-01	1.4E-02	6.0E-09
168	0.02	1.6E-08	1.5E+01	4.9E-04	1.0E-03	7.7E-06	1.6E-01	1.4E-02	1.6E-08
169	0.03	2.7E-08	2.5E+01	4.9E-04	1.0E-03	1.3E-05	1.6E-01	1.4E-02	2.7E-08
170	0.02	1.8E-08	1.6E+01	4.9E-04	1.0E-03	8.2E-06	1.6E-01	1.4E-02	1.8E-08
171	0.01	8.5E-09	7.8E+00	4.9E-04	1.0E-03	4.0E-06	1.6E-01	1.4E-02	8.5E-09
172	0.00	4.4E-09	4.0E+00	4.9E-04	1.0E-03	2.1E-06	1.6E-01	1.4E-02	4.4E-09
173	0.00	2.9E-09	2.6E+00	4.9E-04	1.0E-03	1.3E-06	1.6E-01	1.4E-02	2.9E-09
174	0.00	2.1E-09	1.9E+00	4.9E-04	1.0E-03	9.9E-07	1.6E-01	1.4E-02	2.1E-09
175	0.00	1.5E-09	1.4E+00	4.9E-04	1.0E-03	7.1E-07	1.6E-01	1.4E-02	1.5E-09
176	0.00	1.2E-09	1.1E+00	4.9E-04	1.0E-03	5.4E-07	1.6E-01	1.4E-02	1.2E-09
177	0.00	4.1E-10	3.8E-01	4.9E-04	1.0E-03	1.9E-07	1.6E-01	1.4E-02	4.1E-10

178	0.00	5.2E-10	4.8E-01	4.9E-04	1.0E-03	2.4E-07	1.6E-01	1.4E-02	5.2E-10
179	0.00	6.8E-10	6.1E-01	4.9E-04	1.0E-03	3.1E-07	1.6E-01	1.4E-02	6.8E-10
180	0.00	9.9E-10	9.0E-01	4.9E-04	1.0E-03	4.6E-07	1.6E-01	1.4E-02	9.9E-10
181	0.00	1.4E-09	1.3E+00	4.9E-04	1.0E-03	6.7E-07	1.6E-01	1.4E-02	1.4E-09
182	0.00	2.2E-09	2.0E+00	4.9E-04	1.0E-03	1.0E-06	1.6E-01	1.4E-02	2.2E-09
183	0.00	3.8E-09	3.4E+00	4.9E-04	1.0E-03	1.8E-06	1.6E-01	1.4E-02	3.8E-09
184	0.01	6.4E-09	5.8E+00	4.9E-04	1.0E-03	3.0E-06	1.6E-01	1.4E-02	6.4E-09
185	0.01	8.6E-09	7.8E+00	4.9E-04	1.0E-03	4.0E-06	1.6E-01	1.4E-02	8.6E-09
186	0.01	7.6E-09	6.9E+00	4.9E-04	1.0E-03	3.5E-06	1.6E-01	1.4E-02	7.6E-09
187	0.01	5.3E-09	4.8E+00	4.9E-04	1.0E-03	2.5E-06	1.6E-01	1.4E-02	5.3E-09
188	0.00	3.5E-09	3.2E+00	4.9E-04	1.0E-03	1.6E-06	1.6E-01	1.4E-02	3.5E-09
189	0.00	2.3E-09	2.0E+00	4.9E-04	1.0E-03	1.0E-06	1.6E-01	1.4E-02	2.3E-09
190	0.00	1.7E-09	1.6E+00	4.9E-04	1.0E-03	8.1E-07	1.6E-01	1.4E-02	1.7E-09
191	0.00	1.3E-09	1.2E+00	4.9E-04	1.0E-03	6.1E-07	1.6E-01	1.4E-02	1.3E-09
192	0.00	1.0E-09	9.2E-01	4.9E-04	1.0E-03	4.7E-07	1.6E-01	1.4E-02	1.0E-09
193	0.00	3.8E-10	3.5E-01	4.9E-04	1.0E-03	1.8E-07	1.6E-01	1.4E-02	3.8E-10
194	0.00	4.9E-10	4.5E-01	4.9E-04	1.0E-03	2.3E-07	1.6E-01	1.4E-02	4.9E-10
195	0.00	6.5E-10	5.9E-01	4.9E-04	1.0E-03	3.0E-07	1.6E-01	1.4E-02	6.5E-10
196	0.00	8.6E-10	7.8E-01	4.9E-04	1.0E-03	4.0E-07	1.6E-01	1.4E-02	8.6E-10
197	0.00	1.2E-09	1.1E+00	4.9E-04	1.0E-03	5.4E-07	1.6E-01	1.4E-02	1.2E-09
198	0.00	1.7E-09	1.5E+00	4.9E-04	1.0E-03	7.7E-07	1.6E-01	1.4E-02	1.7E-09
199	0.00	2.5E-09	2.2E+00	4.9E-04	1.0E-03	1.1E-06	1.6E-01	1.4E-02	2.5E-09
200	0.00	3.5E-09	3.2E+00	4.9E-04	1.0E-03	1.6E-06	1.6E-01	1.4E-02	3.5E-09
201	0.00	4.3E-09	3.9E+00	4.9E-04	1.0E-03	2.0E-06	1.6E-01	1.4E-02	4.3E-09
202	0.00	4.1E-09	3.7E+00	4.9E-04	1.0E-03	1.9E-06	1.6E-01	1.4E-02	4.1E-09
203	0.00	3.2E-09	2.9E+00	4.9E-04	1.0E-03	1.5E-06	1.6E-01	1.4E-02	3.2E-09
204	0.00	2.5E-09	2.3E+00	4.9E-04	1.0E-03	1.2E-06	1.6E-01	1.4E-02	2.5E-09
205	0.00	1.9E-09	1.7E+00	4.9E-04	1.0E-03	8.7E-07	1.6E-01	1.4E-02	1.9E-09
206	0.00	1.4E-09	1.2E+00	4.9E-04	1.0E-03	6.4E-07	1.6E-01	1.4E-02	1.4E-09
207	0.00	1.1E-09	1.0E+00	4.9E-04	1.0E-03	5.3E-07	1.6E-01	1.4E-02	1.1E-09
208	0.00	9.0E-10	8.2E-01	4.9E-04	1.0E-03	4.2E-07	1.6E-01	1.4E-02	9.0E-10
209	0.00	3.8E-10	3.4E-01	4.9E-04	1.0E-03	1.7E-07	1.6E-01	1.4E-02	3.8E-10
210	0.00	4.6E-10	4.2E-01	4.9E-04	1.0E-03	2.1E-07	1.6E-01	1.4E-02	4.6E-10
211	0.00	5.7E-10	5.2E-01	4.9E-04	1.0E-03	2.7E-07	1.6E-01	1.4E-02	5.7E-10
212	0.00	7.2E-10	6.5E-01	4.9E-04	1.0E-03	3.3E-07	1.6E-01	1.4E-02	7.2E-10
213	0.00	9.4E-10	8.5E-01	4.9E-04	1.0E-03	4.4E-07	1.6E-01	1.4E-02	9.4E-10
214	0.00	1.3E-09	1.2E+00	4.9E-04	1.0E-03	5.9E-07	1.6E-01	1.4E-02	1.3E-09
215	0.00	1.7E-09	1.6E+00	4.9E-04	1.0E-03	8.0E-07	1.6E-01	1.4E-02	1.7E-09
216	0.00	2.2E-09	2.0E+00	4.9E-04	1.0E-03	1.0E-06	1.6E-01	1.4E-02	2.2E-09
217	0.00	2.5E-09	2.3E+00	4.9E-04	1.0E-03	1.2E-06	1.6E-01	1.4E-02	2.5E-09
218	0.00	2.6E-09	2.3E+00	4.9E-04	1.0E-03	1.2E-06	1.6E-01	1.4E-02	2.6E-09
219	0.00	2.4E-09	2.1E+00	4.9E-04	1.0E-03	1.1E-06	1.6E-01	1.4E-02	2.4E-09
220	0.00	2.0E-09	1.8E+00	4.9E-04	1.0E-03	9.2E-07	1.6E-01	1.4E-02	2.0E-09
221	0.00	1.6E-09	1.4E+00	4.9E-04	1.0E-03	7.4E-07	1.6E-01	1.4E-02	1.6E-09
222	0.00	1.2E-09	1.1E+00	4.9E-04	1.0E-03	5.4E-07	1.6E-01	1.4E-02	1.2E-09
223	0.00	9.3E-10	8.4E-01	4.9E-04	1.0E-03	4.3E-07	1.6E-01	1.4E-02	9.3E-10

224	0.00	8.1E-10	7.4E-01	4.9E-04	1.0E-03	3.8E-07	1.6E-01	1.4E-02	8.1E-10
225	0.00	3.5E-10	3.1E-01	4.9E-04	1.0E-03	1.6E-07	1.6E-01	1.4E-02	3.5E-10
226	0.00	4.1E-10	3.7E-01	4.9E-04	1.0E-03	1.9E-07	1.6E-01	1.4E-02	4.1E-10
227	0.00	5.0E-10	4.5E-01	4.9E-04	1.0E-03	2.3E-07	1.6E-01	1.4E-02	5.0E-10
228	0.00	6.1E-10	5.6E-01	4.9E-04	1.0E-03	2.8E-07	1.6E-01	1.4E-02	6.1E-10
229	0.00	7.7E-10	7.0E-01	4.9E-04	1.0E-03	3.6E-07	1.6E-01	1.4E-02	7.7E-10
230	0.00	9.9E-10	9.0E-01	4.9E-04	1.0E-03	4.6E-07	1.6E-01	1.4E-02	9.9E-10
231	0.00	1.3E-09	1.1E+00	4.9E-04	1.0E-03	5.8E-07	1.6E-01	1.4E-02	1.3E-09
232	0.00	1.5E-09	1.4E+00	4.9E-04	1.0E-03	7.1E-07	1.6E-01	1.4E-02	1.5E-09
233	0.00	1.7E-09	1.6E+00	4.9E-04	1.0E-03	8.0E-07	1.6E-01	1.4E-02	1.7E-09
234	0.00	1.8E-09	1.6E+00	4.9E-04	1.0E-03	8.3E-07	1.6E-01	1.4E-02	1.8E-09
235	0.00	1.7E-09	1.5E+00	4.9E-04	1.0E-03	7.9E-07	1.6E-01	1.4E-02	1.7E-09
236	0.00	1.5E-09	1.4E+00	4.9E-04	1.0E-03	7.0E-07	1.6E-01	1.4E-02	1.5E-09
237	0.00	1.3E-09	1.2E+00	4.9E-04	1.0E-03	6.0E-07	1.6E-01	1.4E-02	1.3E-09
238	0.00	1.1E-09	9.7E-01	4.9E-04	1.0E-03	4.9E-07	1.6E-01	1.4E-02	1.1E-09
239	0.00	8.1E-10	7.4E-01	4.9E-04	1.0E-03	3.8E-07	1.6E-01	1.4E-02	8.1E-10
240	0.00	6.7E-10	6.1E-01	4.9E-04	1.0E-03	3.1E-07	1.6E-01	1.4E-02	6.7E-10
241	0.00	3.1E-10	2.8E-01	4.9E-04	1.0E-03	1.4E-07	1.6E-01	1.4E-02	3.1E-10
242	0.00	3.6E-10	3.3E-01	4.9E-04	1.0E-03	1.7E-07	1.6E-01	1.4E-02	3.6E-10
243	0.00	4.3E-10	3.9E-01	4.9E-04	1.0E-03	2.0E-07	1.6E-01	1.4E-02	4.3E-10
244	0.00	5.1E-10	4.7E-01	4.9E-04	1.0E-03	2.4E-07	1.6E-01	1.4E-02	5.1E-10
245	0.00	6.3E-10	5.7E-01	4.9E-04	1.0E-03	2.9E-07	1.6E-01	1.4E-02	6.3E-10
246	0.00	7.8E-10	7.0E-01	4.9E-04	1.0E-03	3.6E-07	1.6E-01	1.4E-02	7.8E-10
247	0.00	9.5E-10	8.6E-01	4.9E-04	1.0E-03	4.4E-07	1.6E-01	1.4E-02	9.5E-10
248	0.00	1.1E-09	1.0E+00	4.9E-04	1.0E-03	5.2E-07	1.6E-01	1.4E-02	1.1E-09
249	0.00	1.2E-09	1.1E+00	4.9E-04	1.0E-03	5.8E-07	1.6E-01	1.4E-02	1.2E-09
250	0.00	1.3E-09	1.2E+00	4.9E-04	1.0E-03	6.0E-07	1.6E-01	1.4E-02	1.3E-09
251	0.00	1.3E-09	1.1E+00	4.9E-04	1.0E-03	5.9E-07	1.6E-01	1.4E-02	1.3E-09
252	0.00	1.2E-09	1.1E+00	4.9E-04	1.0E-03	5.4E-07	1.6E-01	1.4E-02	1.2E-09
253	0.00	1.0E-09	9.5E-01	4.9E-04	1.0E-03	4.8E-07	1.6E-01	1.4E-02	1.0E-09
254	0.00	9.0E-10	8.2E-01	4.9E-04	1.0E-03	4.2E-07	1.6E-01	1.4E-02	9.0E-10
255	0.00	7.5E-10	6.9E-01	4.9E-04	1.0E-03	3.5E-07	1.6E-01	1.4E-02	7.5E-10
256	0.00	6.0E-10	5.4E-01	4.9E-04	1.0E-03	2.8E-07	1.6E-01	1.4E-02	6.0E-10
257	0.00	2.8E-10	2.5E-01	4.9E-04	1.0E-03	1.3E-07	1.6E-01	1.4E-02	2.8E-10
258	0.00	3.2E-10	2.9E-01	4.9E-04	1.0E-03	1.5E-07	1.6E-01	1.4E-02	3.2E-10
259	0.00	3.7E-10	3.4E-01	4.9E-04	1.0E-03	1.7E-07	1.6E-01	1.4E-02	3.7E-10
260	0.00	4.4E-10	4.0E-01	4.9E-04	1.0E-03	2.1E-07	1.6E-01	1.4E-02	4.4E-10
261	0.00	5.3E-10	4.8E-01	4.9E-04	1.0E-03	2.5E-07	1.6E-01	1.4E-02	5.3E-10
262	0.00	6.3E-10	5.7E-01	4.9E-04	1.0E-03	2.9E-07	1.6E-01	1.4E-02	6.3E-10
263	0.00	7.5E-10	6.8E-01	4.9E-04	1.0E-03	3.5E-07	1.6E-01	1.4E-02	7.5E-10
264	0.00	8.5E-10	7.8E-01	4.9E-04	1.0E-03	4.0E-07	1.6E-01	1.4E-02	8.5E-10
265	0.00	9.4E-10	8.5E-01	4.9E-04	1.0E-03	4.3E-07	1.6E-01	1.4E-02	9.4E-10
266	0.00	9.8E-10	8.9E-01	4.9E-04	1.0E-03	4.5E-07	1.6E-01	1.4E-02	9.8E-10
267	0.00	9.7E-10	8.8E-01	4.9E-04	1.0E-03	4.5E-07	1.6E-01	1.4E-02	9.7E-10
268	0.00	9.2E-10	8.4E-01	4.9E-04	1.0E-03	4.3E-07	1.6E-01	1.4E-02	9.2E-10
269	0.00	8.5E-10	7.7E-01	4.9E-04	1.0E-03	3.9E-07	1.6E-01	1.4E-02	8.5E-10

270	0.00	7.6E-10	6.9E-01	4.9E-04	1.0E-03	3.5E-07	1.6E-01	1.4E-02	7.6E-10
271	0.00	6.6E-10	6.0E-01	4.9E-04	1.0E-03	3.1E-07	1.6E-01	1.4E-02	6.6E-10
272	0.00	5.4E-10	4.9E-01	4.9E-04	1.0E-03	2.5E-07	1.6E-01	1.4E-02	5.4E-10
273	0.00	1.6E-09	1.4E+00	4.9E-04	1.0E-03	7.2E-07	1.6E-01	1.4E-02	1.6E-09
274	0.00	1.6E-09	1.5E+00	4.9E-04	1.0E-03	7.6E-07	1.6E-01	1.4E-02	1.6E-09
275	0.00	1.7E-09	1.6E+00	4.9E-04	1.0E-03	8.1E-07	1.6E-01	1.4E-02	1.7E-09
276	0.00	1.9E-09	1.7E+00	4.9E-04	1.0E-03	8.6E-07	1.6E-01	1.4E-02	1.9E-09
277	0.00	2.0E-09	1.8E+00	4.9E-04	1.0E-03	9.2E-07	1.6E-01	1.4E-02	2.0E-09
278	0.00	2.1E-09	1.9E+00	4.9E-04	1.0E-03	9.8E-07	1.6E-01	1.4E-02	2.1E-09
279	0.00	2.2E-09	2.0E+00	4.9E-04	1.0E-03	1.0E-06	1.6E-01	1.4E-02	2.2E-09
280	0.00	2.4E-09	2.1E+00	4.9E-04	1.0E-03	1.1E-06	1.6E-01	1.4E-02	2.4E-09
281	0.00	2.5E-09	2.3E+00	4.9E-04	1.0E-03	1.2E-06	1.6E-01	1.4E-02	2.5E-09
282	0.00	2.6E-09	2.4E+00	4.9E-04	1.0E-03	1.2E-06	1.6E-01	1.4E-02	2.6E-09
283	0.00	2.8E-09	2.6E+00	4.9E-04	1.0E-03	1.3E-06	1.6E-01	1.4E-02	2.8E-09
284	0.00	2.9E-09	2.7E+00	4.9E-04	1.0E-03	1.4E-06	1.6E-01	1.4E-02	2.9E-09
285	0.00	3.1E-09	2.8E+00	4.9E-04	1.0E-03	1.4E-06	1.6E-01	1.4E-02	3.1E-09
286	0.00	3.3E-09	3.0E+00	4.9E-04	1.0E-03	1.5E-06	1.6E-01	1.4E-02	3.3E-09
287	0.00	3.5E-09	3.1E+00	4.9E-04	1.0E-03	1.6E-06	1.6E-01	1.4E-02	3.5E-09
288	0.00	3.6E-09	3.3E+00	4.9E-04	1.0E-03	1.7E-06	1.6E-01	1.4E-02	3.6E-09
289	0.00	3.8E-09	3.5E+00	4.9E-04	1.0E-03	1.8E-06	1.6E-01	1.4E-02	3.8E-09
290	0.00	4.0E-09	3.7E+00	4.9E-04	1.0E-03	1.9E-06	1.6E-01	1.4E-02	4.0E-09
291	0.00	4.2E-09	3.8E+00	4.9E-04	1.0E-03	2.0E-06	1.6E-01	1.4E-02	4.2E-09
292	0.00	4.3E-09	3.9E+00	4.9E-04	1.0E-03	2.0E-06	1.6E-01	1.4E-02	4.3E-09
293	0.00	4.4E-09	4.0E+00	4.9E-04	1.0E-03	2.0E-06	1.6E-01	1.4E-02	4.4E-09
294	0.00	4.4E-09	4.0E+00	4.9E-04	1.0E-03	2.1E-06	1.6E-01	1.4E-02	4.4E-09
295	0.00	4.5E-09	4.1E+00	4.9E-04	1.0E-03	2.1E-06	1.6E-01	1.4E-02	4.5E-09
296	0.00	4.5E-09	4.0E+00	4.9E-04	1.0E-03	2.1E-06	1.6E-01	1.4E-02	4.5E-09
297	0.00	4.4E-09	4.0E+00	4.9E-04	1.0E-03	2.1E-06	1.6E-01	1.4E-02	4.4E-09
298	0.00	4.4E-09	4.0E+00	4.9E-04	1.0E-03	2.0E-06	1.6E-01	1.4E-02	4.4E-09
299	0.00	1.7E-09	1.5E+00	4.9E-04	1.0E-03	7.7E-07	1.6E-01	1.4E-02	1.7E-09
300	0.00	1.8E-09	1.6E+00	4.9E-04	1.0E-03	8.2E-07	1.6E-01	1.4E-02	1.8E-09
301	0.00	1.9E-09	1.7E+00	4.9E-04	1.0E-03	8.8E-07	1.6E-01	1.4E-02	1.9E-09
302	0.00	2.0E-09	1.8E+00	4.9E-04	1.0E-03	9.4E-07	1.6E-01	1.4E-02	2.0E-09
303	0.00	2.2E-09	2.0E+00	4.9E-04	1.0E-03	1.0E-06	1.6E-01	1.4E-02	2.2E-09
304	0.00	2.3E-09	2.1E+00	4.9E-04	1.0E-03	1.1E-06	1.6E-01	1.4E-02	2.3E-09
305	0.00	2.5E-09	2.2E+00	4.9E-04	1.0E-03	1.1E-06	1.6E-01	1.4E-02	2.5E-09
306	0.00	2.6E-09	2.4E+00	4.9E-04	1.0E-03	1.2E-06	1.6E-01	1.4E-02	2.6E-09
307	0.00	2.8E-09	2.5E+00	4.9E-04	1.0E-03	1.3E-06	1.6E-01	1.4E-02	2.8E-09
308	0.00	3.0E-09	2.7E+00	4.9E-04	1.0E-03	1.4E-06	1.6E-01	1.4E-02	3.0E-09
309	0.00	3.2E-09	2.9E+00	4.9E-04	1.0E-03	1.5E-06	1.6E-01	1.4E-02	3.2E-09
310	0.00	3.3E-09	3.0E+00	4.9E-04	1.0E-03	1.6E-06	1.6E-01	1.4E-02	3.3E-09
311	0.00	3.5E-09	3.2E+00	4.9E-04	1.0E-03	1.6E-06	1.6E-01	1.4E-02	3.5E-09
312	0.00	3.7E-09	3.4E+00	4.9E-04	1.0E-03	1.7E-06	1.6E-01	1.4E-02	3.7E-09
313	0.00	4.0E-09	3.6E+00	4.9E-04	1.0E-03	1.9E-06	1.6E-01	1.4E-02	4.0E-09
314	0.00	4.2E-09	3.8E+00	4.9E-04	1.0E-03	2.0E-06	1.6E-01	1.4E-02	4.2E-09
315	0.00	4.5E-09	4.0E+00	4.9E-04	1.0E-03	2.1E-06	1.6E-01	1.4E-02	4.5E-09

316	0.00	4.7E-09	4.3E+00	4.9E-04	1.0E-03	2.2E-06	1.6E-01	1.4E-02	4.7E-09
317	0.00	4.9E-09	4.4E+00	4.9E-04	1.0E-03	2.3E-06	1.6E-01	1.4E-02	4.9E-09
318	0.00	5.0E-09	4.5E+00	4.9E-04	1.0E-03	2.3E-06	1.6E-01	1.4E-02	5.0E-09
319	0.01	5.1E-09	4.6E+00	4.9E-04	1.0E-03	2.3E-06	1.6E-01	1.4E-02	5.1E-09
320	0.01	5.1E-09	4.6E+00	4.9E-04	1.0E-03	2.4E-06	1.6E-01	1.4E-02	5.1E-09
321	0.01	5.1E-09	4.6E+00	4.9E-04	1.0E-03	2.4E-06	1.6E-01	1.4E-02	5.1E-09
322	0.01	5.0E-09	4.6E+00	4.9E-04	1.0E-03	2.3E-06	1.6E-01	1.4E-02	5.0E-09
323	0.00	5.0E-09	4.5E+00	4.9E-04	1.0E-03	2.3E-06	1.6E-01	1.4E-02	5.0E-09
324	0.00	4.9E-09	4.4E+00	4.9E-04	1.0E-03	2.3E-06	1.6E-01	1.4E-02	4.9E-09
325	0.00	1.8E-09	1.6E+00	4.9E-04	1.0E-03	8.3E-07	1.6E-01	1.4E-02	1.8E-09
326	0.00	1.9E-09	1.7E+00	4.9E-04	1.0E-03	8.9E-07	1.6E-01	1.4E-02	1.9E-09
327	0.00	2.0E-09	1.9E+00	4.9E-04	1.0E-03	9.5E-07	1.6E-01	1.4E-02	2.0E-09
328	0.00	2.2E-09	2.0E+00	4.9E-04	1.0E-03	1.0E-06	1.6E-01	1.4E-02	2.2E-09
329	0.00	2.4E-09	2.2E+00	4.9E-04	1.0E-03	1.1E-06	1.6E-01	1.4E-02	2.4E-09
330	0.00	2.6E-09	2.3E+00	4.9E-04	1.0E-03	1.2E-06	1.6E-01	1.4E-02	2.6E-09
331	0.00	2.7E-09	2.5E+00	4.9E-04	1.0E-03	1.3E-06	1.6E-01	1.4E-02	2.7E-09
332	0.00	2.9E-09	2.7E+00	4.9E-04	1.0E-03	1.4E-06	1.6E-01	1.4E-02	2.9E-09
333	0.00	3.1E-09	2.9E+00	4.9E-04	1.0E-03	1.5E-06	1.6E-01	1.4E-02	3.1E-09
334	0.00	3.4E-09	3.1E+00	4.9E-04	1.0E-03	1.6E-06	1.6E-01	1.4E-02	3.4E-09
335	0.00	3.6E-09	3.3E+00	4.9E-04	1.0E-03	1.7E-06	1.6E-01	1.4E-02	3.6E-09
336	0.00	3.9E-09	3.5E+00	4.9E-04	1.0E-03	1.8E-06	1.6E-01	1.4E-02	3.9E-09
337	0.00	4.1E-09	3.7E+00	4.9E-04	1.0E-03	1.9E-06	1.6E-01	1.4E-02	4.1E-09
338	0.00	4.4E-09	4.0E+00	4.9E-04	1.0E-03	2.0E-06	1.6E-01	1.4E-02	4.4E-09
339	0.00	4.7E-09	4.3E+00	4.9E-04	1.0E-03	2.2E-06	1.6E-01	1.4E-02	4.7E-09
340	0.00	5.0E-09	4.5E+00	4.9E-04	1.0E-03	2.3E-06	1.6E-01	1.4E-02	5.0E-09
341	0.01	5.2E-09	4.8E+00	4.9E-04	1.0E-03	2.4E-06	1.6E-01	1.4E-02	5.2E-09
342	0.01	5.5E-09	5.0E+00	4.9E-04	1.0E-03	2.6E-06	1.6E-01	1.4E-02	5.5E-09
343	0.01	5.7E-09	5.2E+00	4.9E-04	1.0E-03	2.7E-06	1.6E-01	1.4E-02	5.7E-09
344	0.01	5.8E-09	5.3E+00	4.9E-04	1.0E-03	2.7E-06	1.6E-01	1.4E-02	5.8E-09
345	0.01	5.8E-09	5.3E+00	4.9E-04	1.0E-03	2.7E-06	1.6E-01	1.4E-02	5.8E-09
346	0.01	5.8E-09	5.3E+00	4.9E-04	1.0E-03	2.7E-06	1.6E-01	1.4E-02	5.8E-09
347	0.01	5.8E-09	5.2E+00	4.9E-04	1.0E-03	2.7E-06	1.6E-01	1.4E-02	5.8E-09
348	0.01	5.7E-09	5.2E+00	4.9E-04	1.0E-03	2.6E-06	1.6E-01	1.4E-02	5.7E-09
349	0.01	5.6E-09	5.0E+00	4.9E-04	1.0E-03	2.6E-06	1.6E-01	1.4E-02	5.6E-09
350	0.01	5.4E-09	4.9E+00	4.9E-04	1.0E-03	2.5E-06	1.6E-01	1.4E-02	5.4E-09
351	0.00	1.9E-09	1.7E+00	4.9E-04	1.0E-03	8.9E-07	1.6E-01	1.4E-02	1.9E-09
352	0.00	2.1E-09	1.9E+00	4.9E-04	1.0E-03	9.6E-07	1.6E-01	1.4E-02	2.1E-09
353	0.00	2.2E-09	2.0E+00	4.9E-04	1.0E-03	1.0E-06	1.6E-01	1.4E-02	2.2E-09
354	0.00	2.4E-09	2.2E+00	4.9E-04	1.0E-03	1.1E-06	1.6E-01	1.4E-02	2.4E-09
355	0.00	2.6E-09	2.4E+00	4.9E-04	1.0E-03	1.2E-06	1.6E-01	1.4E-02	2.6E-09
356	0.00	2.8E-09	2.6E+00	4.9E-04	1.0E-03	1.3E-06	1.6E-01	1.4E-02	2.8E-09
357	0.00	3.1E-09	2.8E+00	4.9E-04	1.0E-03	1.4E-06	1.6E-01	1.4E-02	3.1E-09
358	0.00	3.3E-09	3.0E+00	4.9E-04	1.0E-03	1.5E-06	1.6E-01	1.4E-02	3.3E-09
359	0.00	3.6E-09	3.3E+00	4.9E-04	1.0E-03	1.7E-06	1.6E-01	1.4E-02	3.6E-09
360	0.00	3.9E-09	3.5E+00	4.9E-04	1.0E-03	1.8E-06	1.6E-01	1.4E-02	3.9E-09
361	0.00	4.2E-09	3.8E+00	4.9E-04	1.0E-03	2.0E-06	1.6E-01	1.4E-02	4.2E-09

362	0.00	4.5E-09	4.1E+00	4.9E-04	1.0E-03	2.1E-06	1.6E-01	1.4E-02	4.5E-09
363	0.00	4.8E-09	4.4E+00	4.9E-04	1.0E-03	2.2E-06	1.6E-01	1.4E-02	4.8E-09
364	0.01	5.2E-09	4.7E+00	4.9E-04	1.0E-03	2.4E-06	1.6E-01	1.4E-02	5.2E-09
365	0.01	5.6E-09	5.1E+00	4.9E-04	1.0E-03	2.6E-06	1.6E-01	1.4E-02	5.6E-09
366	0.01	5.9E-09	5.4E+00	4.9E-04	1.0E-03	2.8E-06	1.6E-01	1.4E-02	5.9E-09
367	0.01	6.3E-09	5.7E+00	4.9E-04	1.0E-03	2.9E-06	1.6E-01	1.4E-02	6.3E-09
368	0.01	6.6E-09	6.0E+00	4.9E-04	1.0E-03	3.1E-06	1.6E-01	1.4E-02	6.6E-09
369	0.01	6.8E-09	6.1E+00	4.9E-04	1.0E-03	3.1E-06	1.6E-01	1.4E-02	6.8E-09
370	0.01	6.8E-09	6.2E+00	4.9E-04	1.0E-03	3.2E-06	1.6E-01	1.4E-02	6.8E-09
371	0.01	6.8E-09	6.2E+00	4.9E-04	1.0E-03	3.2E-06	1.6E-01	1.4E-02	6.8E-09
372	0.01	6.7E-09	6.1E+00	4.9E-04	1.0E-03	3.1E-06	1.6E-01	1.4E-02	6.7E-09
373	0.01	6.6E-09	6.0E+00	4.9E-04	1.0E-03	3.1E-06	1.6E-01	1.4E-02	6.6E-09
374	0.01	6.4E-09	5.8E+00	4.9E-04	1.0E-03	3.0E-06	1.6E-01	1.4E-02	6.4E-09
375	0.01	6.2E-09	5.7E+00	4.9E-04	1.0E-03	2.9E-06	1.6E-01	1.4E-02	6.2E-09
376	0.01	6.0E-09	5.5E+00	4.9E-04	1.0E-03	2.8E-06	1.6E-01	1.4E-02	6.0E-09
377	0.00	2.1E-09	1.9E+00	4.9E-04	1.0E-03	9.5E-07	1.6E-01	1.4E-02	2.1E-09
378	0.00	2.2E-09	2.0E+00	4.9E-04	1.0E-03	1.0E-06	1.6E-01	1.4E-02	2.2E-09
379	0.00	2.4E-09	2.2E+00	4.9E-04	1.0E-03	1.1E-06	1.6E-01	1.4E-02	2.4E-09
380	0.00	2.6E-09	2.4E+00	4.9E-04	1.0E-03	1.2E-06	1.6E-01	1.4E-02	2.6E-09
381	0.00	2.9E-09	2.6E+00	4.9E-04	1.0E-03	1.3E-06	1.6E-01	1.4E-02	2.9E-09
382	0.01	7.7E-09	7.0E+00	4.9E-04	1.0E-03	3.6E-06	1.6E-01	1.4E-02	7.7E-09
383	0.01	7.9E-09	7.2E+00	4.9E-04	1.0E-03	3.7E-06	1.6E-01	1.4E-02	7.9E-09
384	0.01	8.1E-09	7.3E+00	4.9E-04	1.0E-03	3.8E-06	1.6E-01	1.4E-02	8.1E-09
385	0.01	8.1E-09	7.3E+00	4.9E-04	1.0E-03	3.7E-06	1.6E-01	1.4E-02	8.1E-09
386	0.01	7.9E-09	7.2E+00	4.9E-04	1.0E-03	3.7E-06	1.6E-01	1.4E-02	7.9E-09
387	0.01	7.7E-09	7.0E+00	4.9E-04	1.0E-03	3.6E-06	1.6E-01	1.4E-02	7.7E-09
388	0.01	7.5E-09	6.8E+00	4.9E-04	1.0E-03	3.5E-06	1.6E-01	1.4E-02	7.5E-09
389	0.01	7.2E-09	6.6E+00	4.9E-04	1.0E-03	3.4E-06	1.6E-01	1.4E-02	7.2E-09
390	0.01	7.0E-09	6.3E+00	4.9E-04	1.0E-03	3.2E-06	1.6E-01	1.4E-02	7.0E-09
391	0.01	6.7E-09	6.1E+00	4.9E-04	1.0E-03	3.1E-06	1.6E-01	1.4E-02	6.7E-09
392	0.00	2.2E-09	2.0E+00	4.9E-04	1.0E-03	1.0E-06	1.6E-01	1.4E-02	2.2E-09
393	0.00	2.4E-09	2.2E+00	4.9E-04	1.0E-03	1.1E-06	1.6E-01	1.4E-02	2.4E-09
394	0.00	2.6E-09	2.4E+00	4.9E-04	1.0E-03	1.2E-06	1.6E-01	1.4E-02	2.6E-09
395	0.00	2.9E-09	2.6E+00	4.9E-04	1.0E-03	1.3E-06	1.6E-01	1.4E-02	2.9E-09
396	0.00	3.2E-09	2.9E+00	4.9E-04	1.0E-03	1.5E-06	1.6E-01	1.4E-02	3.2E-09
397	0.01	9.5E-09	8.6E+00	4.9E-04	1.0E-03	4.4E-06	1.6E-01	1.4E-02	9.5E-09
398	0.01	9.7E-09	8.8E+00	4.9E-04	1.0E-03	4.5E-06	1.6E-01	1.4E-02	9.7E-09
399	0.01	9.7E-09	8.8E+00	4.9E-04	1.0E-03	4.5E-06	1.6E-01	1.4E-02	9.7E-09
400	0.01	9.5E-09	8.7E+00	4.9E-04	1.0E-03	4.4E-06	1.6E-01	1.4E-02	9.5E-09
401	0.01	9.3E-09	8.4E+00	4.9E-04	1.0E-03	4.3E-06	1.6E-01	1.4E-02	9.3E-09
402	0.01	8.9E-09	8.1E+00	4.9E-04	1.0E-03	4.1E-06	1.6E-01	1.4E-02	8.9E-09
403	0.01	8.5E-09	7.7E+00	4.9E-04	1.0E-03	4.0E-06	1.6E-01	1.4E-02	8.5E-09
404	0.01	8.1E-09	7.4E+00	4.9E-04	1.0E-03	3.8E-06	1.6E-01	1.4E-02	8.1E-09
405	0.01	7.7E-09	7.0E+00	4.9E-04	1.0E-03	3.6E-06	1.6E-01	1.4E-02	7.7E-09
406	0.01	7.4E-09	6.7E+00	4.9E-04	1.0E-03	3.4E-06	1.6E-01	1.4E-02	7.4E-09
407	0.00	2.3E-09	2.1E+00	4.9E-04	1.0E-03	1.1E-06	1.6E-01	1.4E-02	2.3E-09

408	0.00	2.6E-09	2.3E+00	4.9E-04	1.0E-03	1.2E-06	1.6E-01	1.4E-02	2.6E-09
409	0.00	2.8E-09	2.6E+00	4.9E-04	1.0E-03	1.3E-06	1.6E-01	1.4E-02	2.8E-09
410	0.00	3.1E-09	2.8E+00	4.9E-04	1.0E-03	1.5E-06	1.6E-01	1.4E-02	3.1E-09
411	0.00	3.5E-09	3.2E+00	4.9E-04	1.0E-03	1.6E-06	1.6E-01	1.4E-02	3.5E-09
412	0.01	1.2E-08	1.1E+01	4.9E-04	1.0E-03	5.6E-06	1.6E-01	1.4E-02	1.2E-08
413	0.01	1.2E-08	1.1E+01	4.9E-04	1.0E-03	5.6E-06	1.6E-01	1.4E-02	1.2E-08
414	0.01	1.2E-08	1.1E+01	4.9E-04	1.0E-03	5.5E-06	1.6E-01	1.4E-02	1.2E-08
415	0.01	1.1E-08	1.0E+01	4.9E-04	1.0E-03	5.3E-06	1.6E-01	1.4E-02	1.1E-08
416	0.01	1.1E-08	9.8E+00	4.9E-04	1.0E-03	5.0E-06	1.6E-01	1.4E-02	1.1E-08
417	0.01	1.0E-08	9.3E+00	4.9E-04	1.0E-03	4.8E-06	1.6E-01	1.4E-02	1.0E-08
418	0.01	9.7E-09	8.8E+00	4.9E-04	1.0E-03	4.5E-06	1.6E-01	1.4E-02	9.7E-09
419	0.01	9.1E-09	8.3E+00	4.9E-04	1.0E-03	4.2E-06	1.6E-01	1.4E-02	9.1E-09
420	0.01	8.6E-09	7.8E+00	4.9E-04	1.0E-03	4.0E-06	1.6E-01	1.4E-02	8.6E-09
421	0.01	8.1E-09	7.3E+00	4.9E-04	1.0E-03	3.7E-06	1.6E-01	1.4E-02	8.1E-09
422	0.00	2.5E-09	2.3E+00	4.9E-04	1.0E-03	1.2E-06	1.6E-01	1.4E-02	2.5E-09
423	0.00	2.8E-09	2.5E+00	4.9E-04	1.0E-03	1.3E-06	1.6E-01	1.4E-02	2.8E-09
424	0.00	3.1E-09	2.8E+00	4.9E-04	1.0E-03	1.4E-06	1.6E-01	1.4E-02	3.1E-09
425	0.00	3.4E-09	3.1E+00	4.9E-04	1.0E-03	1.6E-06	1.6E-01	1.4E-02	3.4E-09
426	0.00	3.8E-09	3.5E+00	4.9E-04	1.0E-03	1.8E-06	1.6E-01	1.4E-02	3.8E-09
427	0.02	1.6E-08	1.4E+01	4.9E-04	1.0E-03	7.2E-06	1.6E-01	1.4E-02	1.6E-08
428	0.02	1.5E-08	1.4E+01	4.9E-04	1.0E-03	7.0E-06	1.6E-01	1.4E-02	1.5E-08
429	0.01	1.4E-08	1.3E+01	4.9E-04	1.0E-03	6.7E-06	1.6E-01	1.4E-02	1.4E-08
430	0.01	1.3E-08	1.2E+01	4.9E-04	1.0E-03	6.3E-06	1.6E-01	1.4E-02	1.3E-08
431	0.01	1.3E-08	1.1E+01	4.9E-04	1.0E-03	5.8E-06	1.6E-01	1.4E-02	1.3E-08
432	0.01	1.2E-08	1.1E+01	4.9E-04	1.0E-03	5.4E-06	1.6E-01	1.4E-02	1.2E-08
433	0.01	1.1E-08	9.9E+00	4.9E-04	1.0E-03	5.1E-06	1.6E-01	1.4E-02	1.1E-08
434	0.01	1.0E-08	9.2E+00	4.9E-04	1.0E-03	4.7E-06	1.6E-01	1.4E-02	1.0E-08
435	0.01	9.4E-09	8.6E+00	4.9E-04	1.0E-03	4.4E-06	1.6E-01	1.4E-02	9.4E-09
436	0.01	8.8E-09	8.0E+00	4.9E-04	1.0E-03	4.1E-06	1.6E-01	1.4E-02	8.8E-09
437	0.00	2.7E-09	2.4E+00	4.9E-04	1.0E-03	1.2E-06	1.6E-01	1.4E-02	2.7E-09
438	0.00	2.9E-09	2.7E+00	4.9E-04	1.0E-03	1.4E-06	1.6E-01	1.4E-02	2.9E-09
439	0.00	3.3E-09	3.0E+00	4.9E-04	1.0E-03	1.5E-06	1.6E-01	1.4E-02	3.3E-09
440	0.00	3.7E-09	3.3E+00	4.9E-04	1.0E-03	1.7E-06	1.6E-01	1.4E-02	3.7E-09
441	0.00	4.2E-09	3.8E+00	4.9E-04	1.0E-03	2.0E-06	1.6E-01	1.4E-02	4.2E-09
442	0.02	2.1E-08	1.9E+01	4.9E-04	1.0E-03	9.5E-06	1.6E-01	1.4E-02	2.1E-08
443	0.02	1.9E-08	1.7E+01	4.9E-04	1.0E-03	8.9E-06	1.6E-01	1.4E-02	1.9E-08
444	0.02	1.7E-08	1.6E+01	4.9E-04	1.0E-03	8.1E-06	1.6E-01	1.4E-02	1.7E-08
445	0.02	1.6E-08	1.4E+01	4.9E-04	1.0E-03	7.4E-06	1.6E-01	1.4E-02	1.6E-08
446	0.01	1.5E-08	1.3E+01	4.9E-04	1.0E-03	6.8E-06	1.6E-01	1.4E-02	1.5E-08
447	0.01	1.3E-08	1.2E+01	4.9E-04	1.0E-03	6.2E-06	1.6E-01	1.4E-02	1.3E-08
448	0.01	1.2E-08	1.1E+01	4.9E-04	1.0E-03	5.7E-06	1.6E-01	1.4E-02	1.2E-08
449	0.01	1.1E-08	1.0E+01	4.9E-04	1.0E-03	5.2E-06	1.6E-01	1.4E-02	1.1E-08
450	0.01	1.0E-08	9.4E+00	4.9E-04	1.0E-03	4.8E-06	1.6E-01	1.4E-02	1.0E-08
451	0.01	9.6E-09	8.7E+00	4.9E-04	1.0E-03	4.4E-06	1.6E-01	1.4E-02	9.6E-09
452	0.00	2.8E-09	2.5E+00	4.9E-04	1.0E-03	1.3E-06	1.6E-01	1.4E-02	2.8E-09
453	0.00	3.1E-09	2.8E+00	4.9E-04	1.0E-03	1.5E-06	1.6E-01	1.4E-02	3.1E-09

454	0.00	3.5E-09	3.2E+00	4.9E-04	1.0E-03	1.6E-06	1.6E-01	1.4E-02	3.5E-09
455	0.00	4.0E-09	3.6E+00	4.9E-04	1.0E-03	1.9E-06	1.6E-01	1.4E-02	4.0E-09
456	0.00	4.6E-09	4.2E+00	4.9E-04	1.0E-03	2.1E-06	1.6E-01	1.4E-02	4.6E-09
457	0.03	2.7E-08	2.5E+01	4.9E-04	1.0E-03	1.3E-05	1.6E-01	1.4E-02	2.7E-08
458	0.02	2.4E-08	2.2E+01	4.9E-04	1.0E-03	1.1E-05	1.6E-01	1.4E-02	2.4E-08
459	0.02	2.1E-08	1.9E+01	4.9E-04	1.0E-03	9.7E-06	1.6E-01	1.4E-02	2.1E-08
460	0.02	1.9E-08	1.7E+01	4.9E-04	1.0E-03	8.6E-06	1.6E-01	1.4E-02	1.9E-08
461	0.02	1.7E-08	1.5E+01	4.9E-04	1.0E-03	7.7E-06	1.6E-01	1.4E-02	1.7E-08
462	0.01	1.5E-08	1.4E+01	4.9E-04	1.0E-03	7.0E-06	1.6E-01	1.4E-02	1.5E-08
463	0.01	1.4E-08	1.2E+01	4.9E-04	1.0E-03	6.3E-06	1.6E-01	1.4E-02	1.4E-08
464	0.01	1.2E-08	1.1E+01	4.9E-04	1.0E-03	5.8E-06	1.6E-01	1.4E-02	1.2E-08
465	0.01	1.1E-08	1.0E+01	4.9E-04	1.0E-03	5.2E-06	1.6E-01	1.4E-02	1.1E-08
466	0.01	1.0E-08	9.4E+00	4.9E-04	1.0E-03	4.8E-06	1.6E-01	1.4E-02	1.0E-08
467	0.00	2.9E-09	2.7E+00	4.9E-04	1.0E-03	1.4E-06	1.6E-01	1.4E-02	2.9E-09
468	0.00	3.3E-09	3.0E+00	4.9E-04	1.0E-03	1.5E-06	1.6E-01	1.4E-02	3.3E-09
469	0.00	3.8E-09	3.4E+00	4.9E-04	1.0E-03	1.7E-06	1.6E-01	1.4E-02	3.8E-09
470	0.00	4.3E-09	3.9E+00	4.9E-04	1.0E-03	2.0E-06	1.6E-01	1.4E-02	4.3E-09
471	0.01	5.0E-09	4.6E+00	4.9E-04	1.0E-03	2.3E-06	1.6E-01	1.4E-02	5.0E-09
472	0.03	3.5E-08	3.1E+01	4.9E-04	1.0E-03	1.6E-05	1.6E-01	1.4E-02	3.5E-08
473	0.03	2.9E-08	2.6E+01	4.9E-04	1.0E-03	1.3E-05	1.6E-01	1.4E-02	2.9E-08
474	0.02	2.4E-08	2.2E+01	4.9E-04	1.0E-03	1.1E-05	1.6E-01	1.4E-02	2.4E-08
475	0.02	2.1E-08	1.9E+01	4.9E-04	1.0E-03	9.9E-06	1.6E-01	1.4E-02	2.1E-08
476	0.02	1.9E-08	1.7E+01	4.9E-04	1.0E-03	8.7E-06	1.6E-01	1.4E-02	1.9E-08
477	0.02	1.7E-08	1.5E+01	4.9E-04	1.0E-03	7.8E-06	1.6E-01	1.4E-02	1.7E-08
478	0.01	1.5E-08	1.4E+01	4.9E-04	1.0E-03	7.0E-06	1.6E-01	1.4E-02	1.5E-08
479	0.01	1.4E-08	1.2E+01	4.9E-04	1.0E-03	6.3E-06	1.6E-01	1.4E-02	1.4E-08
480	0.01	1.2E-08	1.1E+01	4.9E-04	1.0E-03	5.7E-06	1.6E-01	1.4E-02	1.2E-08
481	0.01	1.1E-08	1.0E+01	4.9E-04	1.0E-03	5.1E-06	1.6E-01	1.4E-02	1.1E-08
482	0.00	3.1E-09	2.8E+00	4.9E-04	1.0E-03	1.4E-06	1.6E-01	1.4E-02	3.1E-09
483	0.00	3.5E-09	3.2E+00	4.9E-04	1.0E-03	1.6E-06	1.6E-01	1.4E-02	3.5E-09
484	0.00	4.0E-09	3.6E+00	4.9E-04	1.0E-03	1.9E-06	1.6E-01	1.4E-02	4.0E-09
485	0.00	4.6E-09	4.2E+00	4.9E-04	1.0E-03	2.1E-06	1.6E-01	1.4E-02	4.6E-09
486	0.01	5.5E-09	5.0E+00	4.9E-04	1.0E-03	2.5E-06	1.6E-01	1.4E-02	5.5E-09
487	0.04	4.1E-08	3.8E+01	4.9E-04	1.0E-03	1.9E-05	1.6E-01	1.4E-02	4.1E-08
488	0.03	3.3E-08	3.0E+01	4.9E-04	1.0E-03	1.6E-05	1.6E-01	1.4E-02	3.3E-08
489	0.03	2.8E-08	2.5E+01	4.9E-04	1.0E-03	1.3E-05	1.6E-01	1.4E-02	2.8E-08
490	0.02	2.4E-08	2.2E+01	4.9E-04	1.0E-03	1.1E-05	1.6E-01	1.4E-02	2.4E-08
491	0.02	2.1E-08	1.9E+01	4.9E-04	1.0E-03	9.7E-06	1.6E-01	1.4E-02	2.1E-08
492	0.02	1.8E-08	1.7E+01	4.9E-04	1.0E-03	8.5E-06	1.6E-01	1.4E-02	1.8E-08
493	0.02	1.6E-08	1.5E+01	4.9E-04	1.0E-03	7.6E-06	1.6E-01	1.4E-02	1.6E-08
494	0.01	1.5E-08	1.3E+01	4.9E-04	1.0E-03	6.8E-06	1.6E-01	1.4E-02	1.5E-08
495	0.01	1.3E-08	1.2E+01	4.9E-04	1.0E-03	6.1E-06	1.6E-01	1.4E-02	1.3E-08
496	0.01	1.2E-08	1.1E+01	4.9E-04	1.0E-03	5.5E-06	1.6E-01	1.4E-02	1.2E-08
497	0.00	3.2E-09	2.9E+00	4.9E-04	1.0E-03	1.5E-06	1.6E-01	1.4E-02	3.2E-09
498	0.00	3.7E-09	3.3E+00	4.9E-04	1.0E-03	1.7E-06	1.6E-01	1.4E-02	3.7E-09
499	0.00	4.2E-09	3.8E+00	4.9E-04	1.0E-03	2.0E-06	1.6E-01	1.4E-02	4.2E-09

500	0.00	5.0E-09	4.5E+00	4.9E-04	1.0E-03	2.3E-06	1.6E-01	1.4E-02	5.0E-09
501	0.01	5.9E-09	5.4E+00	4.9E-04	1.0E-03	2.7E-06	1.6E-01	1.4E-02	5.9E-09
502	0.05	4.7E-08	4.2E+01	4.9E-04	1.0E-03	2.2E-05	1.6E-01	1.4E-02	4.7E-08
503	0.04	3.7E-08	3.4E+01	4.9E-04	1.0E-03	1.7E-05	1.6E-01	1.4E-02	3.7E-08
504	0.03	3.1E-08	2.8E+01	4.9E-04	1.0E-03	1.4E-05	1.6E-01	1.4E-02	3.1E-08
505	0.03	2.6E-08	2.4E+01	4.9E-04	1.0E-03	1.2E-05	1.6E-01	1.4E-02	2.6E-08
506	0.02	2.3E-08	2.1E+01	4.9E-04	1.0E-03	1.1E-05	1.6E-01	1.4E-02	2.3E-08
507	0.02	2.0E-08	1.8E+01	4.9E-04	1.0E-03	9.3E-06	1.6E-01	1.4E-02	2.0E-08
508	0.02	1.8E-08	1.6E+01	4.9E-04	1.0E-03	8.2E-06	1.6E-01	1.4E-02	1.8E-08
509	0.02	1.6E-08	1.4E+01	4.9E-04	1.0E-03	7.3E-06	1.6E-01	1.4E-02	1.6E-08
510	0.01	1.4E-08	1.3E+01	4.9E-04	1.0E-03	6.5E-06	1.6E-01	1.4E-02	1.4E-08
511	0.01	1.2E-08	1.1E+01	4.9E-04	1.0E-03	5.8E-06	1.6E-01	1.4E-02	1.2E-08
512	0.00	3.3E-09	3.0E+00	4.9E-04	1.0E-03	1.5E-06	1.6E-01	1.4E-02	3.3E-09
513	0.00	3.8E-09	3.5E+00	4.9E-04	1.0E-03	1.8E-06	1.6E-01	1.4E-02	3.8E-09
514	0.00	4.4E-09	4.0E+00	4.9E-04	1.0E-03	2.0E-06	1.6E-01	1.4E-02	4.4E-09
515	0.01	5.2E-09	4.7E+00	4.9E-04	1.0E-03	2.4E-06	1.6E-01	1.4E-02	5.2E-09
516	0.01	6.3E-09	5.7E+00	4.9E-04	1.0E-03	2.9E-06	1.6E-01	1.4E-02	6.3E-09
517	0.05	5.1E-08	4.6E+01	4.9E-04	1.0E-03	2.4E-05	1.6E-01	1.4E-02	5.1E-08
518	0.04	4.1E-08	3.7E+01	4.9E-04	1.0E-03	1.9E-05	1.6E-01	1.4E-02	4.1E-08
519	0.03	3.4E-08	3.1E+01	4.9E-04	1.0E-03	1.6E-05	1.6E-01	1.4E-02	3.4E-08
520	0.03	2.9E-08	2.6E+01	4.9E-04	1.0E-03	1.3E-05	1.6E-01	1.4E-02	2.9E-08
521	0.02	2.5E-08	2.3E+01	4.9E-04	1.0E-03	1.2E-05	1.6E-01	1.4E-02	2.5E-08
522	0.02	2.2E-08	2.0E+01	4.9E-04	1.0E-03	1.0E-05	1.6E-01	1.4E-02	2.2E-08
523	0.02	1.9E-08	1.7E+01	4.9E-04	1.0E-03	8.8E-06	1.6E-01	1.4E-02	1.9E-08
524	0.02	1.7E-08	1.5E+01	4.9E-04	1.0E-03	7.8E-06	1.6E-01	1.4E-02	1.7E-08
525	0.01	1.5E-08	1.3E+01	4.9E-04	1.0E-03	6.9E-06	1.6E-01	1.4E-02	1.5E-08
526	0.01	1.3E-08	1.2E+01	4.9E-04	1.0E-03	6.1E-06	1.6E-01	1.4E-02	1.3E-08
527	0.00	3.4E-09	3.1E+00	4.9E-04	1.0E-03	1.6E-06	1.6E-01	1.4E-02	3.4E-09
528	0.00	3.9E-09	3.6E+00	4.9E-04	1.0E-03	1.8E-06	1.6E-01	1.4E-02	3.9E-09
529	0.00	4.6E-09	4.2E+00	4.9E-04	1.0E-03	2.1E-06	1.6E-01	1.4E-02	4.6E-09
530	0.01	5.5E-09	5.0E+00	4.9E-04	1.0E-03	2.5E-06	1.6E-01	1.4E-02	5.5E-09
531	0.01	6.6E-09	6.0E+00	4.9E-04	1.0E-03	3.1E-06	1.6E-01	1.4E-02	6.6E-09
532	0.06	5.5E-08	5.0E+01	4.9E-04	1.0E-03	2.6E-05	1.6E-01	1.4E-02	5.5E-08
533	0.05	4.5E-08	4.1E+01	4.9E-04	1.0E-03	2.1E-05	1.6E-01	1.4E-02	4.5E-08
534	0.04	3.7E-08	3.4E+01	4.9E-04	1.0E-03	1.7E-05	1.6E-01	1.4E-02	3.7E-08
535	0.03	3.1E-08	2.8E+01	4.9E-04	1.0E-03	1.4E-05	1.6E-01	1.4E-02	3.1E-08
536	0.03	2.7E-08	2.4E+01	4.9E-04	1.0E-03	1.2E-05	1.6E-01	1.4E-02	2.7E-08
537	0.02	2.3E-08	2.1E+01	4.9E-04	1.0E-03	1.1E-05	1.6E-01	1.4E-02	2.3E-08
538	0.02	2.0E-08	1.8E+01	4.9E-04	1.0E-03	9.3E-06	1.6E-01	1.4E-02	2.0E-08
539	0.02	1.8E-08	1.6E+01	4.9E-04	1.0E-03	8.2E-06	1.6E-01	1.4E-02	1.8E-08
540	0.02	1.5E-08	1.4E+01	4.9E-04	1.0E-03	7.1E-06	1.6E-01	1.4E-02	1.5E-08
541	0.01	1.3E-08	1.2E+01	4.9E-04	1.0E-03	6.2E-06	1.6E-01	1.4E-02	1.3E-08
542	0.00	3.5E-09	3.2E+00	4.9E-04	1.0E-03	1.6E-06	1.6E-01	1.4E-02	3.5E-09
543	0.00	4.0E-09	3.7E+00	4.9E-04	1.0E-03	1.9E-06	1.6E-01	1.4E-02	4.0E-09
544	0.00	4.8E-09	4.3E+00	4.9E-04	1.0E-03	2.2E-06	1.6E-01	1.4E-02	4.8E-09
545	0.01	5.7E-09	5.1E+00	4.9E-04	1.0E-03	2.6E-06	1.6E-01	1.4E-02	5.7E-09

546	0.01	6.9E-09	6.3E+00	4.9E-04	1.0E-03	3.2E-06	1.6E-01	1.4E-02	6.9E-09
547	0.06	6.1E-08	5.6E+01	4.9E-04	1.0E-03	2.9E-05	1.6E-01	1.4E-02	6.1E-08
548	0.05	5.0E-08	4.5E+01	4.9E-04	1.0E-03	2.3E-05	1.6E-01	1.4E-02	5.0E-08
549	0.04	4.1E-08	3.7E+01	4.9E-04	1.0E-03	1.9E-05	1.6E-01	1.4E-02	4.1E-08
550	0.03	3.4E-08	3.1E+01	4.9E-04	1.0E-03	1.6E-05	1.6E-01	1.4E-02	3.4E-08
551	0.03	2.8E-08	2.5E+01	4.9E-04	1.0E-03	1.3E-05	1.6E-01	1.4E-02	2.8E-08
552	0.02	2.3E-08	2.1E+01	4.9E-04	1.0E-03	1.1E-05	1.6E-01	1.4E-02	2.3E-08
553	0.02	2.0E-08	1.9E+01	4.9E-04	1.0E-03	9.5E-06	1.6E-01	1.4E-02	2.0E-08
554	0.02	1.8E-08	1.6E+01	4.9E-04	1.0E-03	8.2E-06	1.6E-01	1.4E-02	1.8E-08
555	0.02	1.5E-08	1.4E+01	4.9E-04	1.0E-03	7.1E-06	1.6E-01	1.4E-02	1.5E-08
556	0.01	1.3E-08	1.2E+01	4.9E-04	1.0E-03	6.2E-06	1.6E-01	1.4E-02	1.3E-08
557	0.00	3.5E-09	3.2E+00	4.9E-04	1.0E-03	1.6E-06	1.6E-01	1.4E-02	3.5E-09
558	0.00	4.1E-09	3.7E+00	4.9E-04	1.0E-03	1.9E-06	1.6E-01	1.4E-02	4.1E-09
559	0.00	4.8E-09	4.4E+00	4.9E-04	1.0E-03	2.2E-06	1.6E-01	1.4E-02	4.8E-09
560	0.01	5.8E-09	5.3E+00	4.9E-04	1.0E-03	2.7E-06	1.6E-01	1.4E-02	5.8E-09
561	0.01	7.1E-09	6.4E+00	4.9E-04	1.0E-03	3.3E-06	1.6E-01	1.4E-02	7.1E-09
562	0.06	5.6E-08	5.1E+01	4.9E-04	1.0E-03	2.6E-05	1.6E-01	1.4E-02	5.6E-08
563	0.05	4.6E-08	4.1E+01	4.9E-04	1.0E-03	2.1E-05	1.6E-01	1.4E-02	4.6E-08
564	0.04	3.7E-08	3.3E+01	4.9E-04	1.0E-03	1.7E-05	1.6E-01	1.4E-02	3.7E-08
565	0.03	2.8E-08	2.5E+01	4.9E-04	1.0E-03	1.3E-05	1.6E-01	1.4E-02	2.8E-08
566	0.02	2.3E-08	2.1E+01	4.9E-04	1.0E-03	1.1E-05	1.6E-01	1.4E-02	2.3E-08
567	0.02	2.0E-08	1.8E+01	4.9E-04	1.0E-03	9.2E-06	1.6E-01	1.4E-02	2.0E-08
568	0.02	1.7E-08	1.5E+01	4.9E-04	1.0E-03	7.9E-06	1.6E-01	1.4E-02	1.7E-08
569	0.01	1.5E-08	1.3E+01	4.9E-04	1.0E-03	6.8E-06	1.6E-01	1.4E-02	1.5E-08
570	0.01	1.3E-08	1.2E+01	4.9E-04	1.0E-03	6.0E-06	1.6E-01	1.4E-02	1.3E-08
571	0.00	3.6E-09	3.3E+00	4.9E-04	1.0E-03	1.7E-06	1.6E-01	1.4E-02	3.6E-09
572	0.00	4.2E-09	3.8E+00	4.9E-04	1.0E-03	1.9E-06	1.6E-01	1.4E-02	4.2E-09
573	0.00	4.9E-09	4.4E+00	4.9E-04	1.0E-03	2.3E-06	1.6E-01	1.4E-02	4.9E-09
574	0.01	5.9E-09	5.4E+00	4.9E-04	1.0E-03	2.7E-06	1.6E-01	1.4E-02	5.9E-09
575	0.01	7.2E-09	6.5E+00	4.9E-04	1.0E-03	3.3E-06	1.6E-01	1.4E-02	7.2E-09
576	0.05	5.2E-08	4.7E+01	4.9E-04	1.0E-03	2.4E-05	1.6E-01	1.4E-02	5.2E-08
577	0.04	4.1E-08	3.8E+01	4.9E-04	1.0E-03	1.9E-05	1.6E-01	1.4E-02	4.1E-08
578	0.03	3.2E-08	2.9E+01	4.9E-04	1.0E-03	1.5E-05	1.6E-01	1.4E-02	3.2E-08
579	0.03	2.6E-08	2.4E+01	4.9E-04	1.0E-03	1.2E-05	1.6E-01	1.4E-02	2.6E-08
580	0.02	2.2E-08	2.0E+01	4.9E-04	1.0E-03	1.0E-05	1.6E-01	1.4E-02	2.2E-08
581	0.02	1.8E-08	1.6E+01	4.9E-04	1.0E-03	8.2E-06	1.6E-01	1.4E-02	1.8E-08
582	0.01	1.5E-08	1.3E+01	4.9E-04	1.0E-03	6.9E-06	1.6E-01	1.4E-02	1.5E-08
583	0.01	1.3E-08	1.1E+01	4.9E-04	1.0E-03	5.8E-06	1.6E-01	1.4E-02	1.3E-08
584	0.00	3.6E-09	3.3E+00	4.9E-04	1.0E-03	1.7E-06	1.6E-01	1.4E-02	3.6E-09
585	0.00	4.2E-09	3.8E+00	4.9E-04	1.0E-03	1.9E-06	1.6E-01	1.4E-02	4.2E-09
586	0.00	4.9E-09	4.5E+00	4.9E-04	1.0E-03	2.3E-06	1.6E-01	1.4E-02	4.9E-09
587	0.01	5.9E-09	5.4E+00	4.9E-04	1.0E-03	2.7E-06	1.6E-01	1.4E-02	5.9E-09
588	0.01	7.2E-09	6.5E+00	4.9E-04	1.0E-03	3.3E-06	1.6E-01	1.4E-02	7.2E-09
589	0.05	4.9E-08	4.4E+01	4.9E-04	1.0E-03	2.3E-05	1.6E-01	1.4E-02	4.9E-08
590	0.04	3.9E-08	3.5E+01	4.9E-04	1.0E-03	1.8E-05	1.6E-01	1.4E-02	3.9E-08
591	0.03	3.1E-08	2.8E+01	4.9E-04	1.0E-03	1.4E-05	1.6E-01	1.4E-02	3.1E-08

592	0.02	2.4E-08	2.2E+01	4.9E-04	1.0E-03	1.1E-05	1.6E-01	1.4E-02	2.4E-08
593	0.02	1.9E-08	1.8E+01	4.9E-04	1.0E-03	9.1E-06	1.6E-01	1.4E-02	1.9E-08
594	0.02	1.6E-08	1.4E+01	4.9E-04	1.0E-03	7.3E-06	1.6E-01	1.4E-02	1.6E-08
595	0.01	1.3E-08	1.2E+01	4.9E-04	1.0E-03	6.0E-06	1.6E-01	1.4E-02	1.3E-08
596	0.00	3.6E-09	3.2E+00	4.9E-04	1.0E-03	1.7E-06	1.6E-01	1.4E-02	3.6E-09
597	0.00	4.1E-09	3.8E+00	4.9E-04	1.0E-03	1.9E-06	1.6E-01	1.4E-02	4.1E-09
598	0.00	4.9E-09	4.4E+00	4.9E-04	1.0E-03	2.3E-06	1.6E-01	1.4E-02	4.9E-09
599	0.01	5.8E-09	5.3E+00	4.9E-04	1.0E-03	2.7E-06	1.6E-01	1.4E-02	5.8E-09
600	0.01	7.1E-09	6.4E+00	4.9E-04	1.0E-03	3.3E-06	1.6E-01	1.4E-02	7.1E-09
601	0.04	4.1E-08	3.8E+01	4.9E-04	1.0E-03	1.9E-05	1.6E-01	1.4E-02	4.1E-08
602	0.03	3.2E-08	2.9E+01	4.9E-04	1.0E-03	1.5E-05	1.6E-01	1.4E-02	3.2E-08
603	0.02	2.5E-08	2.2E+01	4.9E-04	1.0E-03	1.1E-05	1.6E-01	1.4E-02	2.5E-08
604	0.02	2.0E-08	1.8E+01	4.9E-04	1.0E-03	9.1E-06	1.6E-01	1.4E-02	2.0E-08
605	0.02	1.6E-08	1.5E+01	4.9E-04	1.0E-03	7.4E-06	1.6E-01	1.4E-02	1.6E-08
606	0.01	1.3E-08	1.2E+01	4.9E-04	1.0E-03	6.1E-06	1.6E-01	1.4E-02	1.3E-08
607	0.00	3.5E-09	3.2E+00	4.9E-04	1.0E-03	1.6E-06	1.6E-01	1.4E-02	3.5E-09
608	0.00	4.1E-09	3.7E+00	4.9E-04	1.0E-03	1.9E-06	1.6E-01	1.4E-02	4.1E-09
609	0.00	4.8E-09	4.3E+00	4.9E-04	1.0E-03	2.2E-06	1.6E-01	1.4E-02	4.8E-09
610	0.01	5.7E-09	5.2E+00	4.9E-04	1.0E-03	2.6E-06	1.6E-01	1.4E-02	5.7E-09
611	0.01	6.9E-09	6.2E+00	4.9E-04	1.0E-03	3.2E-06	1.6E-01	1.4E-02	6.9E-09
612	0.04	4.2E-08	3.8E+01	4.9E-04	1.0E-03	2.0E-05	1.6E-01	1.4E-02	4.2E-08
613	0.03	3.1E-08	2.8E+01	4.9E-04	1.0E-03	1.5E-05	1.6E-01	1.4E-02	3.1E-08
614	0.02	2.4E-08	2.2E+01	4.9E-04	1.0E-03	1.1E-05	1.6E-01	1.4E-02	2.4E-08
615	0.02	1.9E-08	1.7E+01	4.9E-04	1.0E-03	8.8E-06	1.6E-01	1.4E-02	1.9E-08
616	0.02	1.5E-08	1.4E+01	4.9E-04	1.0E-03	7.2E-06	1.6E-01	1.4E-02	1.5E-08
617	0.01	1.3E-08	1.1E+01	4.9E-04	1.0E-03	5.8E-06	1.6E-01	1.4E-02	1.3E-08
618	0.00	3.4E-09	3.1E+00	4.9E-04	1.0E-03	1.6E-06	1.6E-01	1.4E-02	3.4E-09
619	0.00	4.0E-09	3.6E+00	4.9E-04	1.0E-03	1.8E-06	1.6E-01	1.4E-02	4.0E-09
620	0.00	4.6E-09	4.2E+00	4.9E-04	1.0E-03	2.2E-06	1.6E-01	1.4E-02	4.6E-09
621	0.01	5.5E-09	5.0E+00	4.9E-04	1.0E-03	2.5E-06	1.6E-01	1.4E-02	5.5E-09
622	0.01	6.6E-09	6.0E+00	4.9E-04	1.0E-03	3.1E-06	1.6E-01	1.4E-02	6.6E-09
623	0.04	4.0E-08	3.6E+01	4.9E-04	1.0E-03	1.8E-05	1.6E-01	1.4E-02	4.0E-08
624	0.03	2.9E-08	2.6E+01	4.9E-04	1.0E-03	1.4E-05	1.6E-01	1.4E-02	2.9E-08
625	0.02	2.2E-08	2.0E+01	4.9E-04	1.0E-03	1.0E-05	1.6E-01	1.4E-02	2.2E-08
626	0.02	1.8E-08	1.6E+01	4.9E-04	1.0E-03	8.3E-06	1.6E-01	1.4E-02	1.8E-08
627	0.01	1.5E-08	1.3E+01	4.9E-04	1.0E-03	6.8E-06	1.6E-01	1.4E-02	1.5E-08
628	0.01	1.2E-08	1.1E+01	4.9E-04	1.0E-03	5.6E-06	1.6E-01	1.4E-02	1.2E-08
629	0.00	3.3E-09	3.0E+00	4.9E-04	1.0E-03	1.5E-06	1.6E-01	1.4E-02	3.3E-09
630	0.00	3.8E-09	3.5E+00	4.9E-04	1.0E-03	1.8E-06	1.6E-01	1.4E-02	3.8E-09
631	0.00	4.4E-09	4.0E+00	4.9E-04	1.0E-03	2.1E-06	1.6E-01	1.4E-02	4.4E-09
632	0.01	5.2E-09	4.7E+00	4.9E-04	1.0E-03	2.4E-06	1.6E-01	1.4E-02	5.2E-09
633	0.01	6.3E-09	5.7E+00	4.9E-04	1.0E-03	2.9E-06	1.6E-01	1.4E-02	6.3E-09
634	0.03	3.4E-08	3.1E+01	4.9E-04	1.0E-03	1.6E-05	1.6E-01	1.4E-02	3.4E-08
635	0.03	2.6E-08	2.3E+01	4.9E-04	1.0E-03	1.2E-05	1.6E-01	1.4E-02	2.6E-08
636	0.02	2.0E-08	1.8E+01	4.9E-04	1.0E-03	9.3E-06	1.6E-01	1.4E-02	2.0E-08
637	0.02	1.6E-08	1.5E+01	4.9E-04	1.0E-03	7.5E-06	1.6E-01	1.4E-02	1.6E-08

638	0.01	1.3E-08	1.2E+01	4.9E-04	1.0E-03	6.2E-06	1.6E-01	1.4E-02	1.3E-08
639	0.01	1.1E-08	1.0E+01	4.9E-04	1.0E-03	5.2E-06	1.6E-01	1.4E-02	1.1E-08
640	0.00	3.2E-09	2.9E+00	4.9E-04	1.0E-03	1.5E-06	1.6E-01	1.4E-02	3.2E-09
641	0.00	3.7E-09	3.3E+00	4.9E-04	1.0E-03	1.7E-06	1.6E-01	1.4E-02	3.7E-09
642	0.00	4.2E-09	3.9E+00	4.9E-04	1.0E-03	2.0E-06	1.6E-01	1.4E-02	4.2E-09
643	0.00	5.0E-09	4.5E+00	4.9E-04	1.0E-03	2.3E-06	1.6E-01	1.4E-02	5.0E-09
644	0.01	5.9E-09	5.4E+00	4.9E-04	1.0E-03	2.7E-06	1.6E-01	1.4E-02	5.9E-09
645	0.03	2.7E-08	2.5E+01	4.9E-04	1.0E-03	1.3E-05	1.6E-01	1.4E-02	2.7E-08
646	0.02	2.2E-08	2.0E+01	4.9E-04	1.0E-03	1.0E-05	1.6E-01	1.4E-02	2.2E-08
647	0.02	1.8E-08	1.6E+01	4.9E-04	1.0E-03	8.2E-06	1.6E-01	1.4E-02	1.8E-08
648	0.01	1.4E-08	1.3E+01	4.9E-04	1.0E-03	6.7E-06	1.6E-01	1.4E-02	1.4E-08
649	0.01	1.2E-08	1.1E+01	4.9E-04	1.0E-03	5.7E-06	1.6E-01	1.4E-02	1.2E-08
650	0.01	1.0E-08	9.4E+00	4.9E-04	1.0E-03	4.8E-06	1.6E-01	1.4E-02	1.0E-08
651	0.00	3.1E-09	2.8E+00	4.9E-04	1.0E-03	1.4E-06	1.6E-01	1.4E-02	3.1E-09
652	0.00	3.5E-09	3.2E+00	4.9E-04	1.0E-03	1.6E-06	1.6E-01	1.4E-02	3.5E-09
653	0.00	4.1E-09	3.7E+00	4.9E-04	1.0E-03	1.9E-06	1.6E-01	1.4E-02	4.1E-09
654	0.00	4.7E-09	4.3E+00	4.9E-04	1.0E-03	2.2E-06	1.6E-01	1.4E-02	4.7E-09
655	0.01	5.6E-09	5.1E+00	4.9E-04	1.0E-03	2.6E-06	1.6E-01	1.4E-02	5.6E-09
656	0.01	6.6E-09	6.0E+00	4.9E-04	1.0E-03	3.1E-06	1.6E-01	1.4E-02	6.6E-09
657	0.01	8.1E-09	7.3E+00	4.9E-04	1.0E-03	3.7E-06	1.6E-01	1.4E-02	8.1E-09
658	0.01	1.0E-08	9.1E+00	4.9E-04	1.0E-03	4.7E-06	1.6E-01	1.4E-02	1.0E-08
659	0.01	1.3E-08	1.2E+01	4.9E-04	1.0E-03	5.9E-06	1.6E-01	1.4E-02	1.3E-08
660	0.02	1.7E-08	1.5E+01	4.9E-04	1.0E-03	7.7E-06	1.6E-01	1.4E-02	1.7E-08
661	0.02	2.1E-08	1.9E+01	4.9E-04	1.0E-03	9.9E-06	1.6E-01	1.4E-02	2.1E-08
662	0.03	2.7E-08	2.4E+01	4.9E-04	1.0E-03	1.3E-05	1.6E-01	1.4E-02	2.7E-08
663	0.03	3.2E-08	2.9E+01	4.9E-04	1.0E-03	1.5E-05	1.6E-01	1.4E-02	3.2E-08
664	0.04	3.6E-08	3.2E+01	4.9E-04	1.0E-03	1.6E-05	1.6E-01	1.4E-02	3.6E-08
665	0.04	3.8E-08	3.4E+01	4.9E-04	1.0E-03	1.7E-05	1.6E-01	1.4E-02	3.8E-08
666	0.04	3.8E-08	3.5E+01	4.9E-04	1.0E-03	1.8E-05	1.6E-01	1.4E-02	3.8E-08
667	0.04	3.7E-08	3.4E+01	4.9E-04	1.0E-03	1.7E-05	1.6E-01	1.4E-02	3.7E-08
668	0.04	3.5E-08	3.2E+01	4.9E-04	1.0E-03	1.6E-05	1.6E-01	1.4E-02	3.5E-08
669	0.03	3.1E-08	2.9E+01	4.9E-04	1.0E-03	1.5E-05	1.6E-01	1.4E-02	3.1E-08
670	0.03	2.6E-08	2.4E+01	4.9E-04	1.0E-03	1.2E-05	1.6E-01	1.4E-02	2.6E-08
671	0.02	2.2E-08	2.0E+01	4.9E-04	1.0E-03	1.0E-05	1.6E-01	1.4E-02	2.2E-08
672	0.02	1.8E-08	1.6E+01	4.9E-04	1.0E-03	8.4E-06	1.6E-01	1.4E-02	1.8E-08
673	0.02	1.5E-08	1.4E+01	4.9E-04	1.0E-03	7.0E-06	1.6E-01	1.4E-02	1.5E-08
674	0.01	1.3E-08	1.2E+01	4.9E-04	1.0E-03	5.9E-06	1.6E-01	1.4E-02	1.3E-08
675	0.01	1.1E-08	9.9E+00	4.9E-04	1.0E-03	5.1E-06	1.6E-01	1.4E-02	1.1E-08
676	0.01	9.4E-09	8.6E+00	4.9E-04	1.0E-03	4.4E-06	1.6E-01	1.4E-02	9.4E-09
677	0.00	2.9E-09	2.7E+00	4.9E-04	1.0E-03	1.4E-06	1.6E-01	1.4E-02	2.9E-09
678	0.00	3.3E-09	3.0E+00	4.9E-04	1.0E-03	1.5E-06	1.6E-01	1.4E-02	3.3E-09
679	0.00	3.8E-09	3.5E+00	4.9E-04	1.0E-03	1.8E-06	1.6E-01	1.4E-02	3.8E-09
680	0.00	4.4E-09	4.0E+00	4.9E-04	1.0E-03	2.0E-06	1.6E-01	1.4E-02	4.4E-09
681	0.01	5.1E-09	4.7E+00	4.9E-04	1.0E-03	2.4E-06	1.6E-01	1.4E-02	5.1E-09
682	0.01	6.0E-09	5.5E+00	4.9E-04	1.0E-03	2.8E-06	1.6E-01	1.4E-02	6.0E-09
683	0.01	7.2E-09	6.5E+00	4.9E-04	1.0E-03	3.3E-06	1.6E-01	1.4E-02	7.2E-09

684	0.01	8.8E-09	8.0E+00	4.9E-04	1.0E-03	4.1E-06	1.6E-01	1.4E-02	8.8E-09
685	0.01	1.1E-08	9.8E+00	4.9E-04	1.0E-03	5.0E-06	1.6E-01	1.4E-02	1.1E-08
686	0.01	1.3E-08	1.2E+01	4.9E-04	1.0E-03	6.2E-06	1.6E-01	1.4E-02	1.3E-08
687	0.02	1.6E-08	1.5E+01	4.9E-04	1.0E-03	7.7E-06	1.6E-01	1.4E-02	1.6E-08
688	0.02	2.0E-08	1.8E+01	4.9E-04	1.0E-03	9.2E-06	1.6E-01	1.4E-02	2.0E-08
689	0.02	2.3E-08	2.1E+01	4.9E-04	1.0E-03	1.1E-05	1.6E-01	1.4E-02	2.3E-08
690	0.03	2.5E-08	2.3E+01	4.9E-04	1.0E-03	1.2E-05	1.6E-01	1.4E-02	2.5E-08
691	0.03	2.6E-08	2.4E+01	4.9E-04	1.0E-03	1.2E-05	1.6E-01	1.4E-02	2.6E-08
692	0.03	2.7E-08	2.5E+01	4.9E-04	1.0E-03	1.3E-05	1.6E-01	1.4E-02	2.7E-08
693	0.03	2.7E-08	2.4E+01	4.9E-04	1.0E-03	1.2E-05	1.6E-01	1.4E-02	2.7E-08
694	0.03	2.5E-08	2.3E+01	4.9E-04	1.0E-03	1.2E-05	1.6E-01	1.4E-02	2.5E-08
695	0.02	2.3E-08	2.1E+01	4.9E-04	1.0E-03	1.1E-05	1.6E-01	1.4E-02	2.3E-08
696	0.02	2.0E-08	1.9E+01	4.9E-04	1.0E-03	9.5E-06	1.6E-01	1.4E-02	2.0E-08
697	0.02	1.8E-08	1.6E+01	4.9E-04	1.0E-03	8.2E-06	1.6E-01	1.4E-02	1.8E-08
698	0.02	1.5E-08	1.4E+01	4.9E-04	1.0E-03	7.0E-06	1.6E-01	1.4E-02	1.5E-08
699	0.01	1.3E-08	1.2E+01	4.9E-04	1.0E-03	6.0E-06	1.6E-01	1.4E-02	1.3E-08
700	0.01	1.1E-08	1.0E+01	4.9E-04	1.0E-03	5.2E-06	1.6E-01	1.4E-02	1.1E-08
701	0.01	9.8E-09	8.9E+00	4.9E-04	1.0E-03	4.5E-06	1.6E-01	1.4E-02	9.8E-09
702	0.01	8.5E-09	7.8E+00	4.9E-04	1.0E-03	4.0E-06	1.6E-01	1.4E-02	8.5E-09
703	0.00	2.8E-09	2.5E+00	4.9E-04	1.0E-03	1.3E-06	1.6E-01	1.4E-02	2.8E-09
704	0.00	3.1E-09	2.9E+00	4.9E-04	1.0E-03	1.5E-06	1.6E-01	1.4E-02	3.1E-09
705	0.00	3.6E-09	3.2E+00	4.9E-04	1.0E-03	1.7E-06	1.6E-01	1.4E-02	3.6E-09
706	0.00	4.1E-09	3.7E+00	4.9E-04	1.0E-03	1.9E-06	1.6E-01	1.4E-02	4.1E-09
707	0.00	4.7E-09	4.3E+00	4.9E-04	1.0E-03	2.2E-06	1.6E-01	1.4E-02	4.7E-09
708	0.01	5.5E-09	5.0E+00	4.9E-04	1.0E-03	2.6E-06	1.6E-01	1.4E-02	5.5E-09
709	0.01	6.5E-09	5.9E+00	4.9E-04	1.0E-03	3.0E-06	1.6E-01	1.4E-02	6.5E-09
710	0.01	7.8E-09	7.1E+00	4.9E-04	1.0E-03	3.6E-06	1.6E-01	1.4E-02	7.8E-09
711	0.01	9.2E-09	8.4E+00	4.9E-04	1.0E-03	4.3E-06	1.6E-01	1.4E-02	9.2E-09
712	0.01	1.1E-08	1.0E+01	4.9E-04	1.0E-03	5.1E-06	1.6E-01	1.4E-02	1.1E-08
713	0.01	1.3E-08	1.2E+01	4.9E-04	1.0E-03	6.1E-06	1.6E-01	1.4E-02	1.3E-08
714	0.02	1.5E-08	1.4E+01	4.9E-04	1.0E-03	7.1E-06	1.6E-01	1.4E-02	1.5E-08
715	0.02	1.7E-08	1.6E+01	4.9E-04	1.0E-03	8.0E-06	1.6E-01	1.4E-02	1.7E-08
716	0.02	1.9E-08	1.7E+01	4.9E-04	1.0E-03	8.7E-06	1.6E-01	1.4E-02	1.9E-08
717	0.02	2.0E-08	1.8E+01	4.9E-04	1.0E-03	9.1E-06	1.6E-01	1.4E-02	2.0E-08
718	0.02	2.0E-08	1.8E+01	4.9E-04	1.0E-03	9.3E-06	1.6E-01	1.4E-02	2.0E-08
719	0.02	2.0E-08	1.8E+01	4.9E-04	1.0E-03	9.2E-06	1.6E-01	1.4E-02	2.0E-08
720	0.02	1.9E-08	1.7E+01	4.9E-04	1.0E-03	8.9E-06	1.6E-01	1.4E-02	1.9E-08
721	0.02	1.8E-08	1.6E+01	4.9E-04	1.0E-03	8.3E-06	1.6E-01	1.4E-02	1.8E-08
722	0.02	1.6E-08	1.5E+01	4.9E-04	1.0E-03	7.5E-06	1.6E-01	1.4E-02	1.6E-08
723	0.01	1.4E-08	1.3E+01	4.9E-04	1.0E-03	6.7E-06	1.6E-01	1.4E-02	1.4E-08
724	0.01	1.3E-08	1.2E+01	4.9E-04	1.0E-03	5.9E-06	1.6E-01	1.4E-02	1.3E-08
725	0.01	1.1E-08	1.0E+01	4.9E-04	1.0E-03	5.2E-06	1.6E-01	1.4E-02	1.1E-08
726	0.01	9.9E-09	9.0E+00	4.9E-04	1.0E-03	4.6E-06	1.6E-01	1.4E-02	9.9E-09
727	0.01	8.7E-09	7.9E+00	4.9E-04	1.0E-03	4.1E-06	1.6E-01	1.4E-02	8.7E-09
728	0.01	7.7E-09	7.0E+00	4.9E-04	1.0E-03	3.6E-06	1.6E-01	1.4E-02	7.7E-09
729	0.00	2.6E-09	2.4E+00	4.9E-04	1.0E-03	1.2E-06	1.6E-01	1.4E-02	2.6E-09

730	0.00	3.0E-09	2.7E+00	4.9E-04	1.0E-03	1.4E-06	1.6E-01	1.4E-02	3.0E-09
731	0.00	3.3E-09	3.0E+00	4.9E-04	1.0E-03	1.6E-06	1.6E-01	1.4E-02	3.3E-09
732	0.00	3.8E-09	3.5E+00	4.9E-04	1.0E-03	1.8E-06	1.6E-01	1.4E-02	3.8E-09
733	0.00	4.3E-09	3.9E+00	4.9E-04	1.0E-03	2.0E-06	1.6E-01	1.4E-02	4.3E-09
734	0.01	5.0E-09	4.6E+00	4.9E-04	1.0E-03	2.3E-06	1.6E-01	1.4E-02	5.0E-09
735	0.01	5.8E-09	5.3E+00	4.9E-04	1.0E-03	2.7E-06	1.6E-01	1.4E-02	5.8E-09
736	0.01	6.8E-09	6.2E+00	4.9E-04	1.0E-03	3.2E-06	1.6E-01	1.4E-02	6.8E-09
737	0.01	7.9E-09	7.2E+00	4.9E-04	1.0E-03	3.7E-06	1.6E-01	1.4E-02	7.9E-09
738	0.01	9.3E-09	8.4E+00	4.9E-04	1.0E-03	4.3E-06	1.6E-01	1.4E-02	9.3E-09
739	0.01	1.1E-08	9.6E+00	4.9E-04	1.0E-03	4.9E-06	1.6E-01	1.4E-02	1.1E-08
740	0.01	1.2E-08	1.1E+01	4.9E-04	1.0E-03	5.6E-06	1.6E-01	1.4E-02	1.2E-08
741	0.01	1.3E-08	1.2E+01	4.9E-04	1.0E-03	6.2E-06	1.6E-01	1.4E-02	1.3E-08
742	0.01	1.4E-08	1.3E+01	4.9E-04	1.0E-03	6.7E-06	1.6E-01	1.4E-02	1.4E-08
743	0.02	1.5E-08	1.4E+01	4.9E-04	1.0E-03	7.0E-06	1.6E-01	1.4E-02	1.5E-08
744	0.02	1.6E-08	1.4E+01	4.9E-04	1.0E-03	7.2E-06	1.6E-01	1.4E-02	1.6E-08
745	0.02	1.6E-08	1.4E+01	4.9E-04	1.0E-03	7.2E-06	1.6E-01	1.4E-02	1.6E-08
746	0.02	1.5E-08	1.4E+01	4.9E-04	1.0E-03	7.0E-06	1.6E-01	1.4E-02	1.5E-08
747	0.01	1.4E-08	1.3E+01	4.9E-04	1.0E-03	6.7E-06	1.6E-01	1.4E-02	1.4E-08
748	0.01	1.3E-08	1.2E+01	4.9E-04	1.0E-03	6.2E-06	1.6E-01	1.4E-02	1.3E-08
749	0.01	1.2E-08	1.1E+01	4.9E-04	1.0E-03	5.6E-06	1.6E-01	1.4E-02	1.2E-08
750	0.01	1.1E-08	9.9E+00	4.9E-04	1.0E-03	5.1E-06	1.6E-01	1.4E-02	1.1E-08
751	0.01	9.8E-09	8.9E+00	4.9E-04	1.0E-03	4.5E-06	1.6E-01	1.4E-02	9.8E-09
752	0.01	8.7E-09	7.9E+00	4.9E-04	1.0E-03	4.1E-06	1.6E-01	1.4E-02	8.7E-09
753	0.01	7.8E-09	7.1E+00	4.9E-04	1.0E-03	3.6E-06	1.6E-01	1.4E-02	7.8E-09
754	0.01	7.0E-09	6.4E+00	4.9E-04	1.0E-03	3.3E-06	1.6E-01	1.4E-02	7.0E-09
755	0.00	2.5E-09	2.3E+00	4.9E-04	1.0E-03	1.2E-06	1.6E-01	1.4E-02	2.5E-09
756	0.00	2.8E-09	2.5E+00	4.9E-04	1.0E-03	1.3E-06	1.6E-01	1.4E-02	2.8E-09
757	0.00	3.1E-09	2.8E+00	4.9E-04	1.0E-03	1.4E-06	1.6E-01	1.4E-02	3.1E-09
758	0.00	3.5E-09	3.2E+00	4.9E-04	1.0E-03	1.6E-06	1.6E-01	1.4E-02	3.5E-09
759	0.00	4.0E-09	3.6E+00	4.9E-04	1.0E-03	1.9E-06	1.6E-01	1.4E-02	4.0E-09
760	0.00	4.6E-09	4.1E+00	4.9E-04	1.0E-03	2.1E-06	1.6E-01	1.4E-02	4.6E-09
761	0.01	5.2E-09	4.7E+00	4.9E-04	1.0E-03	2.4E-06	1.6E-01	1.4E-02	5.2E-09
762	0.01	6.0E-09	5.5E+00	4.9E-04	1.0E-03	2.8E-06	1.6E-01	1.4E-02	6.0E-09
763	0.01	6.9E-09	6.2E+00	4.9E-04	1.0E-03	3.2E-06	1.6E-01	1.4E-02	6.9E-09
764	0.01	7.8E-09	7.1E+00	4.9E-04	1.0E-03	3.6E-06	1.6E-01	1.4E-02	7.8E-09
765	0.01	8.8E-09	8.0E+00	4.9E-04	1.0E-03	4.1E-06	1.6E-01	1.4E-02	8.8E-09
766	0.01	9.8E-09	8.9E+00	4.9E-04	1.0E-03	4.6E-06	1.6E-01	1.4E-02	9.8E-09
767	0.01	1.1E-08	9.8E+00	4.9E-04	1.0E-03	5.0E-06	1.6E-01	1.4E-02	1.1E-08
768	0.01	1.2E-08	1.0E+01	4.9E-04	1.0E-03	5.4E-06	1.6E-01	1.4E-02	1.2E-08
769	0.01	1.2E-08	1.1E+01	4.9E-04	1.0E-03	5.6E-06	1.6E-01	1.4E-02	1.2E-08
770	0.01	1.2E-08	1.1E+01	4.9E-04	1.0E-03	5.8E-06	1.6E-01	1.4E-02	1.2E-08
771	0.01	1.3E-08	1.1E+01	4.9E-04	1.0E-03	5.8E-06	1.6E-01	1.4E-02	1.3E-08
772	0.01	1.2E-08	1.1E+01	4.9E-04	1.0E-03	5.7E-06	1.6E-01	1.4E-02	1.2E-08
773	0.01	1.2E-08	1.1E+01	4.9E-04	1.0E-03	5.5E-06	1.6E-01	1.4E-02	1.2E-08
774	0.01	1.1E-08	1.0E+01	4.9E-04	1.0E-03	5.1E-06	1.6E-01	1.4E-02	1.1E-08
775	0.01	1.0E-08	9.3E+00	4.9E-04	1.0E-03	4.7E-06	1.6E-01	1.4E-02	1.0E-08

776	0.01	9.4E-09	8.5E+00	4.9E-04	1.0E-03	4.4E-06	1.6E-01	1.4E-02	9.4E-09
777	0.01	8.6E-09	7.8E+00	4.9E-04	1.0E-03	4.0E-06	1.6E-01	1.4E-02	8.6E-09
778	0.01	7.8E-09	7.1E+00	4.9E-04	1.0E-03	3.6E-06	1.6E-01	1.4E-02	7.8E-09
779	0.01	7.0E-09	6.4E+00	4.9E-04	1.0E-03	3.3E-06	1.6E-01	1.4E-02	7.0E-09
780	0.01	6.4E-09	5.8E+00	4.9E-04	1.0E-03	3.0E-06	1.6E-01	1.4E-02	6.4E-09
781	0.00	2.4E-09	2.1E+00	4.9E-04	1.0E-03	1.1E-06	1.6E-01	1.4E-02	2.4E-09
782	0.00	2.6E-09	2.4E+00	4.9E-04	1.0E-03	1.2E-06	1.6E-01	1.4E-02	2.6E-09
783	0.00	2.9E-09	2.6E+00	4.9E-04	1.0E-03	1.3E-06	1.6E-01	1.4E-02	2.9E-09
784	0.00	3.3E-09	3.0E+00	4.9E-04	1.0E-03	1.5E-06	1.6E-01	1.4E-02	3.3E-09
785	0.00	3.7E-09	3.3E+00	4.9E-04	1.0E-03	1.7E-06	1.6E-01	1.4E-02	3.7E-09
786	0.00	4.1E-09	3.8E+00	4.9E-04	1.0E-03	1.9E-06	1.6E-01	1.4E-02	4.1E-09
787	0.00	4.7E-09	4.3E+00	4.9E-04	1.0E-03	2.2E-06	1.6E-01	1.4E-02	4.7E-09
788	0.01	5.3E-09	4.8E+00	4.9E-04	1.0E-03	2.5E-06	1.6E-01	1.4E-02	5.3E-09
789	0.01	6.0E-09	5.4E+00	4.9E-04	1.0E-03	2.8E-06	1.6E-01	1.4E-02	6.0E-09
790	0.01	6.7E-09	6.1E+00	4.9E-04	1.0E-03	3.1E-06	1.6E-01	1.4E-02	6.7E-09
791	0.01	7.4E-09	6.8E+00	4.9E-04	1.0E-03	3.5E-06	1.6E-01	1.4E-02	7.4E-09
792	0.01	8.2E-09	7.5E+00	4.9E-04	1.0E-03	3.8E-06	1.6E-01	1.4E-02	8.2E-09
793	0.01	8.9E-09	8.1E+00	4.9E-04	1.0E-03	4.1E-06	1.6E-01	1.4E-02	8.9E-09
794	0.01	9.5E-09	8.6E+00	4.9E-04	1.0E-03	4.4E-06	1.6E-01	1.4E-02	9.5E-09
795	0.01	9.9E-09	9.0E+00	4.9E-04	1.0E-03	4.6E-06	1.6E-01	1.4E-02	9.9E-09
796	0.01	1.0E-08	9.3E+00	4.9E-04	1.0E-03	4.8E-06	1.6E-01	1.4E-02	1.0E-08
797	0.01	1.0E-08	9.4E+00	4.9E-04	1.0E-03	4.8E-06	1.6E-01	1.4E-02	1.0E-08
798	0.01	1.0E-08	9.3E+00	4.9E-04	1.0E-03	4.8E-06	1.6E-01	1.4E-02	1.0E-08
799	0.01	9.9E-09	9.0E+00	4.9E-04	1.0E-03	4.6E-06	1.6E-01	1.4E-02	9.9E-09
800	0.01	9.4E-09	8.5E+00	4.9E-04	1.0E-03	4.3E-06	1.6E-01	1.4E-02	9.4E-09
801	0.01	8.8E-09	8.0E+00	4.9E-04	1.0E-03	4.1E-06	1.6E-01	1.4E-02	8.8E-09
802	0.01	8.2E-09	7.4E+00	4.9E-04	1.0E-03	3.8E-06	1.6E-01	1.4E-02	8.2E-09
803	0.01	7.6E-09	6.9E+00	4.9E-04	1.0E-03	3.5E-06	1.6E-01	1.4E-02	7.6E-09
804	0.01	7.0E-09	6.3E+00	4.9E-04	1.0E-03	3.2E-06	1.6E-01	1.4E-02	7.0E-09
805	0.01	6.4E-09	5.8E+00	4.9E-04	1.0E-03	3.0E-06	1.6E-01	1.4E-02	6.4E-09
806	0.01	5.8E-09	5.3E+00	4.9E-04	1.0E-03	2.7E-06	1.6E-01	1.4E-02	5.8E-09

Risk From New Building Const - Mitigated Residential

Franklin School Project

Risk From New Building Const - Mitigated Residential

	5.31	Max					Onsite		
Receptor #	**Total/ Million**	**Total**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
1	0.01	1.4E-08	1.8E-01	8.6E-04	1.0E-03	1.6E-07	1.6E-01	5.5E-01	1.4E-08
2	0.02	1.6E-08	2.0E-01	8.6E-04	1.0E-03	1.8E-07	1.6E-01	5.5E-01	1.5E-08
3	0.02	1.7E-08	2.1E-01	8.6E-04	1.0E-03	1.9E-07	1.6E-01	5.5E-01	1.7E-08
4	0.02	1.9E-08	2.3E-01	8.6E-04	1.0E-03	2.1E-07	1.6E-01	5.5E-01	1.8E-08
5	0.02	2.0E-08	2.5E-01	8.6E-04	1.0E-03	2.3E-07	1.6E-01	5.5E-01	1.9E-08
6	0.02	2.1E-08	2.7E-01	8.6E-04	1.0E-03	2.4E-07	1.6E-01	5.5E-01	2.1E-08
7	0.02	2.3E-08	2.9E-01	8.6E-04	1.0E-03	2.6E-07	1.6E-01	5.5E-01	2.2E-08
8	0.02	2.4E-08	3.0E-01	8.6E-04	1.0E-03	2.7E-07	1.6E-01	5.5E-01	2.3E-08
9	0.03	2.5E-08	3.2E-01	8.6E-04	1.0E-03	2.9E-07	1.6E-01	5.5E-01	2.5E-08
10	0.03	2.7E-08	3.3E-01	8.6E-04	1.0E-03	3.0E-07	1.6E-01	5.5E-01	2.6E-08
11	0.03	2.8E-08	3.5E-01	8.6E-04	1.0E-03	3.2E-07	1.6E-01	5.5E-01	2.8E-08
12	0.03	3.0E-08	3.8E-01	8.6E-04	1.0E-03	3.4E-07	1.6E-01	5.5E-01	3.0E-08
13	0.03	3.2E-08	4.0E-01	8.6E-04	1.0E-03	3.6E-07	1.6E-01	5.5E-01	3.1E-08
14	0.03	3.4E-08	4.2E-01	8.6E-04	1.0E-03	3.8E-07	1.6E-01	5.5E-01	3.3E-08
15	0.03	3.5E-08	4.4E-01	8.6E-04	1.0E-03	4.0E-07	1.6E-01	5.5E-01	3.4E-08
16	0.04	3.6E-08	4.5E-01	8.6E-04	1.0E-03	4.1E-07	1.6E-01	5.5E-01	3.5E-08
17	0.02	1.6E-08	2.0E-01	8.6E-04	1.0E-03	1.8E-07	1.6E-01	5.5E-01	1.6E-08
18	0.02	1.8E-08	2.2E-01	8.6E-04	1.0E-03	2.0E-07	1.6E-01	5.5E-01	1.7E-08
19	0.02	2.0E-08	2.4E-01	8.6E-04	1.0E-03	2.2E-07	1.6E-01	5.5E-01	1.9E-08
20	0.02	2.2E-08	2.7E-01	8.6E-04	1.0E-03	2.4E-07	1.6E-01	5.5E-01	2.1E-08
21	0.02	2.4E-08	2.9E-01	8.6E-04	1.0E-03	2.6E-07	1.6E-01	5.5E-01	2.3E-08
22	0.03	2.6E-08	3.2E-01	8.6E-04	1.0E-03	2.9E-07	1.6E-01	5.5E-01	2.5E-08
23	0.03	2.8E-08	3.4E-01	8.6E-04	1.0E-03	3.1E-07	1.6E-01	5.5E-01	2.7E-08
24	0.03	2.9E-08	3.6E-01	8.6E-04	1.0E-03	3.3E-07	1.6E-01	5.5E-01	2.8E-08
25	0.03	3.1E-08	3.9E-01	8.6E-04	1.0E-03	3.5E-07	1.6E-01	5.5E-01	3.0E-08
26	0.03	3.3E-08	4.1E-01	8.6E-04	1.0E-03	3.7E-07	1.6E-01	5.5E-01	3.2E-08
27	0.04	3.6E-08	4.4E-01	8.6E-04	1.0E-03	4.0E-07	1.6E-01	5.5E-01	3.4E-08
28	0.04	3.8E-08	4.8E-01	8.6E-04	1.0E-03	4.3E-07	1.6E-01	5.5E-01	3.7E-08
29	0.04	4.1E-08	5.1E-01	8.6E-04	1.0E-03	4.6E-07	1.6E-01	5.5E-01	4.0E-08
30	0.04	4.2E-08	5.3E-01	8.6E-04	1.0E-03	4.8E-07	1.6E-01	5.5E-01	4.2E-08
31	0.04	4.4E-08	5.5E-01	8.6E-04	1.0E-03	5.0E-07	1.6E-01	5.5E-01	4.3E-08
32	0.04	4.4E-08	5.6E-01	8.6E-04	1.0E-03	5.1E-07	1.6E-01	5.5E-01	4.4E-08
33	0.02	1.8E-08	2.2E-01	8.6E-04	1.0E-03	2.0E-07	1.6E-01	5.5E-01	1.7E-08
34	0.02	2.0E-08	2.5E-01	8.6E-04	1.0E-03	2.3E-07	1.6E-01	5.5E-01	2.0E-08
35	0.02	2.3E-08	2.8E-01	8.6E-04	1.0E-03	2.5E-07	1.6E-01	5.5E-01	2.2E-08
36	0.03	2.5E-08	3.1E-01	8.6E-04	1.0E-03	2.8E-07	1.6E-01	5.5E-01	2.4E-08
37	0.03	2.8E-08	3.5E-01	8.6E-04	1.0E-03	3.2E-07	1.6E-01	5.5E-01	2.7E-08
38	0.03	3.1E-08	3.8E-01	8.6E-04	1.0E-03	3.5E-07	1.6E-01	5.5E-01	3.0E-08
39	0.03	3.4E-08	4.2E-01	8.6E-04	1.0E-03	3.8E-07	1.6E-01	5.5E-01	3.3E-08

40	0.04	3.7E-08	4.5E-01	8.6E-04	1.0E-03	4.1E-07	1.6E-01	5.5E-01	3.5E-08
41	0.04	3.9E-08	4.8E-01	8.6E-04	1.0E-03	4.4E-07	1.6E-01	5.5E-01	3.8E-08
42	0.04	4.2E-08	5.2E-01	8.6E-04	1.0E-03	4.7E-07	1.6E-01	5.5E-01	4.0E-08
43	0.05	4.6E-08	5.7E-01	8.6E-04	1.0E-03	5.2E-07	1.6E-01	5.5E-01	4.4E-08
44	0.05	5.0E-08	6.2E-01	8.6E-04	1.0E-03	5.6E-07	1.6E-01	5.5E-01	4.8E-08
45	0.05	5.3E-08	6.6E-01	8.6E-04	1.0E-03	6.0E-07	1.6E-01	5.5E-01	5.1E-08
46	0.05	5.5E-08	6.9E-01	8.6E-04	1.0E-03	6.2E-07	1.6E-01	5.5E-01	5.4E-08
47	0.06	5.6E-08	7.1E-01	8.6E-04	1.0E-03	6.4E-07	1.6E-01	5.5E-01	5.5E-08
48	0.06	5.5E-08	7.0E-01	8.6E-04	1.0E-03	6.3E-07	1.6E-01	5.5E-01	5.5E-08
49	0.02	2.0E-08	2.5E-01	8.6E-04	1.0E-03	2.3E-07	1.6E-01	5.5E-01	2.0E-08
50	0.02	2.3E-08	2.9E-01	8.6E-04	1.0E-03	2.6E-07	1.6E-01	5.5E-01	2.2E-08
51	0.03	2.6E-08	3.3E-01	8.6E-04	1.0E-03	2.9E-07	1.6E-01	5.5E-01	2.5E-08
52	0.03	3.0E-08	3.7E-01	8.6E-04	1.0E-03	3.4E-07	1.6E-01	5.5E-01	2.9E-08
53	0.03	3.4E-08	4.2E-01	8.6E-04	1.0E-03	3.8E-07	1.6E-01	5.5E-01	3.3E-08
54	0.04	3.8E-08	4.7E-01	8.6E-04	1.0E-03	4.3E-07	1.6E-01	5.5E-01	3.7E-08
55	0.04	4.3E-08	5.2E-01	8.6E-04	1.0E-03	4.7E-07	1.6E-01	5.5E-01	4.1E-08
56	0.05	4.7E-08	5.7E-01	8.6E-04	1.0E-03	5.1E-07	1.6E-01	5.5E-01	4.4E-08
57	0.05	5.1E-08	6.2E-01	8.6E-04	1.0E-03	5.6E-07	1.6E-01	5.5E-01	4.8E-08
58	0.06	5.5E-08	6.8E-01	8.6E-04	1.0E-03	6.1E-07	1.6E-01	5.5E-01	5.3E-08
59	0.06	6.2E-08	7.7E-01	8.6E-04	1.0E-03	6.9E-07	1.6E-01	5.5E-01	6.0E-08
60	0.07	6.7E-08	8.3E-01	8.6E-04	1.0E-03	7.5E-07	1.6E-01	5.5E-01	6.5E-08
61	0.07	7.0E-08	8.9E-01	8.6E-04	1.0E-03	8.0E-07	1.6E-01	5.5E-01	6.9E-08
62	0.07	7.2E-08	9.1E-01	8.6E-04	1.0E-03	8.3E-07	1.6E-01	5.5E-01	7.1E-08
63	0.07	7.2E-08	9.1E-01	8.6E-04	1.0E-03	8.2E-07	1.6E-01	5.5E-01	7.1E-08
64	0.07	6.9E-08	8.8E-01	8.6E-04	1.0E-03	8.0E-07	1.6E-01	5.5E-01	6.8E-08
65	0.02	2.3E-08	2.8E-01	8.6E-04	1.0E-03	2.5E-07	1.6E-01	5.5E-01	2.2E-08
66	0.03	2.6E-08	3.3E-01	8.6E-04	1.0E-03	3.0E-07	1.6E-01	5.5E-01	2.5E-08
67	0.03	3.1E-08	3.8E-01	8.6E-04	1.0E-03	3.4E-07	1.6E-01	5.5E-01	3.0E-08
68	0.04	3.6E-08	4.4E-01	8.6E-04	1.0E-03	4.0E-07	1.6E-01	5.5E-01	3.5E-08
69	0.04	4.2E-08	5.2E-01	8.6E-04	1.0E-03	4.7E-07	1.6E-01	5.5E-01	4.0E-08
70	0.05	4.9E-08	6.0E-01	8.6E-04	1.0E-03	5.4E-07	1.6E-01	5.5E-01	4.6E-08
71	0.06	5.6E-08	6.8E-01	8.6E-04	1.0E-03	6.1E-07	1.6E-01	5.5E-01	5.3E-08
72	0.06	6.3E-08	7.5E-01	8.6E-04	1.0E-03	6.8E-07	1.6E-01	5.5E-01	5.9E-08
73	0.07	6.9E-08	8.4E-01	8.6E-04	1.0E-03	7.6E-07	1.6E-01	5.5E-01	6.5E-08
74	0.08	7.8E-08	9.5E-01	8.6E-04	1.0E-03	8.6E-07	1.6E-01	5.5E-01	7.4E-08
75	0.09	8.7E-08	1.1E+00	8.6E-04	1.0E-03	9.7E-07	1.6E-01	5.5E-01	8.3E-08
76	0.09	9.3E-08	1.2E+00	8.6E-04	1.0E-03	1.1E-06	1.6E-01	5.5E-01	9.1E-08
77	0.10	9.7E-08	1.2E+00	8.6E-04	1.0E-03	1.1E-06	1.6E-01	5.5E-01	9.5E-08
78	0.10	9.7E-08	1.2E+00	8.6E-04	1.0E-03	1.1E-06	1.6E-01	5.5E-01	9.6E-08
79	0.09	9.3E-08	1.2E+00	8.6E-04	1.0E-03	1.1E-06	1.6E-01	5.5E-01	9.2E-08
80	0.09	8.6E-08	1.1E+00	8.6E-04	1.0E-03	9.9E-07	1.6E-01	5.5E-01	8.5E-08
81	0.03	2.5E-08	3.1E-01	8.6E-04	1.0E-03	2.8E-07	1.6E-01	5.5E-01	2.4E-08
82	0.03	3.0E-08	3.7E-01	8.6E-04	1.0E-03	3.4E-07	1.6E-01	5.5E-01	2.9E-08
83	0.04	3.6E-08	4.5E-01	8.6E-04	1.0E-03	4.0E-07	1.6E-01	5.5E-01	3.5E-08
84	0.04	4.3E-08	5.4E-01	8.6E-04	1.0E-03	4.8E-07	1.6E-01	5.5E-01	4.2E-08
85	0.05	5.3E-08	6.5E-01	8.6E-04	1.0E-03	5.8E-07	1.6E-01	5.5E-01	5.0E-08

86	0.06	6.5E-08	7.7E-01	8.6E-04	1.0E-03	7.0E-07	1.6E-01	5.5E-01	6.0E-08
87	0.08	7.9E-08	9.1E-01	8.6E-04	1.0E-03	8.2E-07	1.6E-01	5.5E-01	7.1E-08
88	0.09	9.2E-08	1.1E+00	8.6E-04	1.0E-03	9.5E-07	1.6E-01	5.5E-01	8.2E-08
89	0.10	1.0E-07	1.2E+00	8.6E-04	1.0E-03	1.1E-06	1.6E-01	5.5E-01	9.3E-08
90	0.12	1.2E-07	1.4E+00	8.6E-04	1.0E-03	1.3E-06	1.6E-01	5.5E-01	1.1E-07
91	0.13	1.3E-07	1.6E+00	8.6E-04	1.0E-03	1.4E-06	1.6E-01	5.5E-01	1.2E-07
92	0.14	1.4E-07	1.7E+00	8.6E-04	1.0E-03	1.6E-06	1.6E-01	5.5E-01	1.3E-07
93	0.14	1.4E-07	1.7E+00	8.6E-04	1.0E-03	1.6E-06	1.6E-01	5.5E-01	1.4E-07
94	0.13	1.3E-07	1.7E+00	8.6E-04	1.0E-03	1.5E-06	1.6E-01	5.5E-01	1.3E-07
95	0.12	1.2E-07	1.5E+00	8.6E-04	1.0E-03	1.4E-06	1.6E-01	5.5E-01	1.2E-07
96	0.10	1.0E-07	1.3E+00	8.6E-04	1.0E-03	1.2E-06	1.6E-01	5.5E-01	1.0E-07
97	0.03	2.8E-08	3.5E-01	8.6E-04	1.0E-03	3.1E-07	1.6E-01	5.5E-01	2.7E-08
98	0.03	3.4E-08	4.2E-01	8.6E-04	1.0E-03	3.8E-07	1.6E-01	5.5E-01	3.3E-08
99	0.04	4.2E-08	5.2E-01	8.6E-04	1.0E-03	4.7E-07	1.6E-01	5.5E-01	4.0E-08
100	0.05	5.2E-08	6.5E-01	8.6E-04	1.0E-03	5.9E-07	1.6E-01	5.5E-01	5.0E-08
101	0.07	6.7E-08	8.2E-01	8.6E-04	1.0E-03	7.4E-07	1.6E-01	5.5E-01	6.4E-08
102	0.09	9.0E-08	1.0E+00	8.6E-04	1.0E-03	9.3E-07	1.6E-01	5.5E-01	8.0E-08
103	0.14	1.4E-07	1.3E+00	8.6E-04	1.0E-03	1.2E-06	1.6E-01	5.5E-01	1.0E-07
104	0.16	1.6E-07	1.6E+00	8.6E-04	1.0E-03	1.4E-06	1.6E-01	5.5E-01	1.2E-07
105	0.16	1.6E-07	1.9E+00	8.6E-04	1.0E-03	1.7E-06	1.6E-01	5.5E-01	1.5E-07
106	0.19	1.9E-07	2.3E+00	8.6E-04	1.0E-03	2.1E-06	1.6E-01	5.5E-01	1.8E-07
107	0.20	2.0E-07	2.6E+00	8.6E-04	1.0E-03	2.3E-06	1.6E-01	5.5E-01	2.0E-07
108	0.21	2.1E-07	2.7E+00	8.6E-04	1.0E-03	2.4E-06	1.6E-01	5.5E-01	2.1E-07
109	0.20	2.0E-07	2.5E+00	8.6E-04	1.0E-03	2.3E-06	1.6E-01	5.5E-01	1.9E-07
110	0.17	1.7E-07	2.2E+00	8.6E-04	1.0E-03	2.0E-06	1.6E-01	5.5E-01	1.7E-07
111	0.15	1.5E-07	1.9E+00	8.6E-04	1.0E-03	1.7E-06	1.6E-01	5.5E-01	1.4E-07
112	0.12	1.2E-07	1.6E+00	8.6E-04	1.0E-03	1.4E-06	1.6E-01	5.5E-01	1.2E-07
113	0.03	3.0E-08	3.8E-01	8.6E-04	1.0E-03	3.4E-07	1.6E-01	5.5E-01	3.0E-08
114	0.04	3.8E-08	4.7E-01	8.6E-04	1.0E-03	4.3E-07	1.6E-01	5.5E-01	3.7E-08
115	0.05	4.8E-08	6.0E-01	8.6E-04	1.0E-03	5.4E-07	1.6E-01	5.5E-01	4.7E-08
116	0.06	6.3E-08	7.8E-01	8.6E-04	1.0E-03	7.1E-07	1.6E-01	5.5E-01	6.1E-08
117	0.09	8.5E-08	1.0E+00	8.6E-04	1.0E-03	9.4E-07	1.6E-01	5.5E-01	8.1E-08
118	0.34	3.4E-07	4.2E+00	8.6E-04	1.0E-03	3.8E-06	1.6E-01	5.5E-01	3.3E-07
119	0.36	3.6E-07	4.5E+00	8.6E-04	1.0E-03	4.1E-06	1.6E-01	5.5E-01	3.5E-07
120	0.33	3.3E-07	4.2E+00	8.6E-04	1.0E-03	3.8E-06	1.6E-01	5.5E-01	3.2E-07
121	0.27	2.7E-07	3.5E+00	8.6E-04	1.0E-03	3.1E-06	1.6E-01	5.5E-01	2.7E-07
122	0.21	2.1E-07	2.8E+00	8.6E-04	1.0E-03	2.5E-06	1.6E-01	5.5E-01	2.1E-07
123	0.17	1.7E-07	2.2E+00	8.6E-04	1.0E-03	1.9E-06	1.6E-01	5.5E-01	1.7E-07
124	0.13	1.3E-07	1.7E+00	8.6E-04	1.0E-03	1.5E-06	1.6E-01	5.5E-01	1.3E-07
125	0.03	3.2E-08	4.1E-01	8.6E-04	1.0E-03	3.7E-07	1.6E-01	5.5E-01	3.2E-08
126	0.04	4.1E-08	5.2E-01	8.6E-04	1.0E-03	4.7E-07	1.6E-01	5.5E-01	4.0E-08
127	0.05	5.4E-08	6.8E-01	8.6E-04	1.0E-03	6.1E-07	1.6E-01	5.5E-01	5.3E-08
128	0.07	7.3E-08	9.2E-01	8.6E-04	1.0E-03	8.3E-07	1.6E-01	5.5E-01	7.1E-08
129	0.10	1.0E-07	1.3E+00	8.6E-04	1.0E-03	1.2E-06	1.6E-01	5.5E-01	1.0E-07
130	0.73	7.3E-07	9.4E+00	8.6E-04	1.0E-03	8.5E-06	1.6E-01	5.5E-01	7.3E-07
131	0.65	6.5E-07	8.3E+00	8.6E-04	1.0E-03	7.5E-06	1.6E-01	5.5E-01	6.5E-07

132	0.48	4.8E-07	6.1E+00	8.6E-04	1.0E-03	5.5E-06	1.6E-01	5.5E-01	4.8E-07
133	0.34	3.4E-07	4.4E+00	8.6E-04	1.0E-03	4.0E-06	1.6E-01	5.5E-01	3.4E-07
134	0.25	2.5E-07	3.1E+00	8.6E-04	1.0E-03	2.8E-06	1.6E-01	5.5E-01	2.4E-07
135	0.18	1.8E-07	2.3E+00	8.6E-04	1.0E-03	2.1E-06	1.6E-01	5.5E-01	1.8E-07
136	0.14	1.4E-07	1.7E+00	8.6E-04	1.0E-03	1.6E-06	1.6E-01	5.5E-01	1.4E-07
137	0.03	3.4E-08	4.3E-01	8.6E-04	1.0E-03	3.9E-07	1.6E-01	5.5E-01	3.3E-08
138	0.04	4.3E-08	5.5E-01	8.6E-04	1.0E-03	5.0E-07	1.6E-01	5.5E-01	4.3E-08
139	0.06	5.8E-08	7.3E-01	8.6E-04	1.0E-03	6.6E-07	1.6E-01	5.5E-01	5.7E-08
140	0.08	8.1E-08	1.0E+00	8.6E-04	1.0E-03	9.3E-07	1.6E-01	5.5E-01	8.0E-08
141	0.12	1.2E-07	1.5E+00	8.6E-04	1.0E-03	1.4E-06	1.6E-01	5.5E-01	1.2E-07
142	1.81	1.8E-06	2.3E+01	8.6E-04	1.0E-03	2.1E-05	1.6E-01	5.5E-01	1.8E-06
143	1.05	1.0E-06	1.3E+01	8.6E-04	1.0E-03	1.2E-05	1.6E-01	5.5E-01	1.0E-06
144	0.60	6.0E-07	7.7E+00	8.6E-04	1.0E-03	6.9E-06	1.6E-01	5.5E-01	6.0E-07
145	0.38	3.8E-07	4.8E+00	8.6E-04	1.0E-03	4.4E-06	1.6E-01	5.5E-01	3.8E-07
146	0.25	2.5E-07	3.2E+00	8.6E-04	1.0E-03	2.9E-06	1.6E-01	5.5E-01	2.5E-07
147	0.17	1.7E-07	2.2E+00	8.6E-04	1.0E-03	2.0E-06	1.6E-01	5.5E-01	1.7E-07
148	0.13	1.3E-07	1.6E+00	8.6E-04	1.0E-03	1.5E-06	1.6E-01	5.5E-01	1.3E-07
149	0.03	3.4E-08	4.4E-01	8.6E-04	1.0E-03	3.9E-07	1.6E-01	5.5E-01	3.4E-08
150	0.04	4.4E-08	5.6E-01	8.6E-04	1.0E-03	5.1E-07	1.6E-01	5.5E-01	4.4E-08
151	0.06	5.9E-08	7.6E-01	8.6E-04	1.0E-03	6.8E-07	1.6E-01	5.5E-01	5.9E-08
152	0.08	8.5E-08	1.1E+00	8.6E-04	1.0E-03	9.7E-07	1.6E-01	5.5E-01	8.4E-08
153	0.13	1.3E-07	1.7E+00	8.6E-04	1.0E-03	1.5E-06	1.6E-01	5.5E-01	1.3E-07
154	4.35	4.4E-06	5.6E+01	8.6E-04	1.0E-03	5.1E-05	1.6E-01	5.5E-01	4.3E-06
155	1.19	1.2E-06	1.5E+01	8.6E-04	1.0E-03	1.4E-05	1.6E-01	5.5E-01	1.2E-06
156	0.55	5.5E-07	7.0E+00	8.6E-04	1.0E-03	6.3E-06	1.6E-01	5.5E-01	5.5E-07
157	0.34	3.4E-07	4.3E+00	8.6E-04	1.0E-03	3.9E-06	1.6E-01	5.5E-01	3.4E-07
158	0.22	2.2E-07	2.8E+00	8.6E-04	1.0E-03	2.5E-06	1.6E-01	5.5E-01	2.2E-07
159	0.15	1.5E-07	1.9E+00	8.6E-04	1.0E-03	1.8E-06	1.6E-01	5.5E-01	1.5E-07
160	0.11	1.1E-07	1.4E+00	8.6E-04	1.0E-03	1.3E-06	1.6E-01	5.5E-01	1.1E-07
161	0.03	3.1E-08	3.9E-01	8.6E-04	1.0E-03	3.5E-07	1.6E-01	5.5E-01	3.0E-08
162	0.04	4.0E-08	5.1E-01	8.6E-04	1.0E-03	4.6E-07	1.6E-01	5.5E-01	4.0E-08
163	0.05	5.4E-08	6.9E-01	8.6E-04	1.0E-03	6.3E-07	1.6E-01	5.5E-01	5.4E-08
164	0.08	8.1E-08	1.0E+00	8.6E-04	1.0E-03	9.3E-07	1.6E-01	5.5E-01	8.0E-08
165	0.13	1.3E-07	1.6E+00	8.6E-04	1.0E-03	1.5E-06	1.6E-01	5.5E-01	1.3E-07
166	0.22	2.2E-07	2.8E+00	8.6E-04	1.0E-03	2.6E-06	1.6E-01	5.5E-01	2.2E-07
167	0.49	4.9E-07	6.3E+00	8.6E-04	1.0E-03	5.7E-06	1.6E-01	5.5E-01	4.9E-07
168	1.70	1.7E-06	2.2E+01	8.6E-04	1.0E-03	2.0E-05	1.6E-01	5.5E-01	1.7E-06
169	3.51	3.5E-06	4.5E+01	8.6E-04	1.0E-03	4.1E-05	1.6E-01	5.5E-01	3.5E-06
170	1.95	2.0E-06	2.5E+01	8.6E-04	1.0E-03	2.3E-05	1.6E-01	5.5E-01	1.9E-06
171	0.83	8.3E-07	1.1E+01	8.6E-04	1.0E-03	9.6E-06	1.6E-01	5.5E-01	8.3E-07
172	0.40	4.0E-07	5.1E+00	8.6E-04	1.0E-03	4.6E-06	1.6E-01	5.5E-01	4.0E-07
173	0.25	2.5E-07	3.2E+00	8.6E-04	1.0E-03	2.9E-06	1.6E-01	5.5E-01	2.5E-07
174	0.18	1.8E-07	2.3E+00	8.6E-04	1.0E-03	2.1E-06	1.6E-01	5.5E-01	1.8E-07
175	0.13	1.3E-07	1.6E+00	8.6E-04	1.0E-03	1.5E-06	1.6E-01	5.5E-01	1.3E-07
176	0.09	9.4E-08	1.2E+00	8.6E-04	1.0E-03	1.1E-06	1.6E-01	5.5E-01	9.3E-08
177	0.03	2.9E-08	3.7E-01	8.6E-04	1.0E-03	3.3E-07	1.6E-01	5.5E-01	2.9E-08

178	0.04	3.7E-08	4.7E-01	8.6E-04	1.0E-03	4.3E-07	1.6E-01	5.5E-01	3.7E-08
179	0.05	4.8E-08	6.1E-01	8.6E-04	1.0E-03	5.5E-07	1.6E-01	5.5E-01	4.8E-08
180	0.07	7.4E-08	9.5E-01	8.6E-04	1.0E-03	8.6E-07	1.6E-01	5.5E-01	7.4E-08
181	0.11	1.1E-07	1.4E+00	8.6E-04	1.0E-03	1.3E-06	1.6E-01	5.5E-01	1.1E-07
182	0.18	1.8E-07	2.2E+00	8.6E-04	1.0E-03	2.0E-06	1.6E-01	5.5E-01	1.7E-07
183	0.32	3.2E-07	4.1E+00	8.6E-04	1.0E-03	3.7E-06	1.6E-01	5.5E-01	3.2E-07
184	0.61	6.1E-07	7.8E+00	8.6E-04	1.0E-03	7.1E-06	1.6E-01	5.5E-01	6.1E-07
185	0.90	9.0E-07	1.2E+01	8.6E-04	1.0E-03	1.0E-05	1.6E-01	5.5E-01	9.0E-07
186	0.78	7.8E-07	1.0E+01	8.6E-04	1.0E-03	9.0E-06	1.6E-01	5.5E-01	7.7E-07
187	0.50	5.0E-07	6.4E+00	8.6E-04	1.0E-03	5.8E-06	1.6E-01	5.5E-01	5.0E-07
188	0.31	3.1E-07	4.0E+00	8.6E-04	1.0E-03	3.6E-06	1.6E-01	5.5E-01	3.1E-07
189	0.19	1.9E-07	2.4E+00	8.6E-04	1.0E-03	2.2E-06	1.6E-01	5.5E-01	1.9E-07
190	0.14	1.4E-07	1.8E+00	8.6E-04	1.0E-03	1.7E-06	1.6E-01	5.5E-01	1.4E-07
191	0.11	1.1E-07	1.4E+00	8.6E-04	1.0E-03	1.2E-06	1.6E-01	5.5E-01	1.1E-07
192	0.08	8.0E-08	1.0E+00	8.6E-04	1.0E-03	9.3E-07	1.6E-01	5.5E-01	8.0E-08
193	0.03	2.9E-08	3.7E-01	8.6E-04	1.0E-03	3.3E-07	1.6E-01	5.5E-01	2.8E-08
194	0.04	3.7E-08	4.7E-01	8.6E-04	1.0E-03	4.2E-07	1.6E-01	5.5E-01	3.7E-08
195	0.05	4.9E-08	6.2E-01	8.6E-04	1.0E-03	5.6E-07	1.6E-01	5.5E-01	4.8E-08
196	0.06	6.5E-08	8.3E-01	8.6E-04	1.0E-03	7.5E-07	1.6E-01	5.5E-01	6.4E-08
197	0.09	9.0E-08	1.1E+00	8.6E-04	1.0E-03	1.0E-06	1.6E-01	5.5E-01	8.9E-08
198	0.13	1.3E-07	1.7E+00	8.6E-04	1.0E-03	1.5E-06	1.6E-01	5.5E-01	1.3E-07
199	0.21	2.1E-07	2.7E+00	8.6E-04	1.0E-03	2.4E-06	1.6E-01	5.5E-01	2.1E-07
200	0.31	3.1E-07	4.0E+00	8.6E-04	1.0E-03	3.6E-06	1.6E-01	5.5E-01	3.1E-07
201	0.40	4.0E-07	5.2E+00	8.6E-04	1.0E-03	4.7E-06	1.6E-01	5.5E-01	4.0E-07
202	0.39	3.9E-07	5.0E+00	8.6E-04	1.0E-03	4.5E-06	1.6E-01	5.5E-01	3.9E-07
203	0.29	2.9E-07	3.7E+00	8.6E-04	1.0E-03	3.4E-06	1.6E-01	5.5E-01	2.9E-07
204	0.22	2.2E-07	2.8E+00	8.6E-04	1.0E-03	2.5E-06	1.6E-01	5.5E-01	2.2E-07
205	0.16	1.6E-07	2.0E+00	8.6E-04	1.0E-03	1.8E-06	1.6E-01	5.5E-01	1.6E-07
206	0.11	1.1E-07	1.4E+00	8.6E-04	1.0E-03	1.3E-06	1.6E-01	5.5E-01	1.1E-07
207	0.09	9.1E-08	1.2E+00	8.6E-04	1.0E-03	1.1E-06	1.6E-01	5.5E-01	9.1E-08
208	0.07	7.1E-08	9.1E-01	8.6E-04	1.0E-03	8.2E-07	1.6E-01	5.5E-01	7.1E-08
209	0.03	2.8E-08	3.6E-01	8.6E-04	1.0E-03	3.2E-07	1.6E-01	5.5E-01	2.8E-08
210	0.03	3.4E-08	4.4E-01	8.6E-04	1.0E-03	4.0E-07	1.6E-01	5.5E-01	3.4E-08
211	0.04	4.3E-08	5.5E-01	8.6E-04	1.0E-03	4.9E-07	1.6E-01	5.5E-01	4.3E-08
212	0.05	5.5E-08	7.0E-01	8.6E-04	1.0E-03	6.3E-07	1.6E-01	5.5E-01	5.5E-08
213	0.07	7.3E-08	9.3E-01	8.6E-04	1.0E-03	8.4E-07	1.6E-01	5.5E-01	7.2E-08
214	0.10	1.0E-07	1.3E+00	8.6E-04	1.0E-03	1.2E-06	1.6E-01	5.5E-01	1.0E-07
215	0.14	1.4E-07	1.8E+00	8.6E-04	1.0E-03	1.7E-06	1.6E-01	5.5E-01	1.4E-07
216	0.19	1.9E-07	2.4E+00	8.6E-04	1.0E-03	2.2E-06	1.6E-01	5.5E-01	1.9E-07
217	0.23	2.3E-07	2.9E+00	8.6E-04	1.0E-03	2.6E-06	1.6E-01	5.5E-01	2.3E-07
218	0.23	2.3E-07	3.0E+00	8.6E-04	1.0E-03	2.7E-06	1.6E-01	5.5E-01	2.3E-07
219	0.21	2.1E-07	2.7E+00	8.6E-04	1.0E-03	2.4E-06	1.6E-01	5.5E-01	2.1E-07
220	0.17	1.7E-07	2.2E+00	8.6E-04	1.0E-03	2.0E-06	1.6E-01	5.5E-01	1.7E-07
221	0.13	1.3E-07	1.7E+00	8.6E-04	1.0E-03	1.5E-06	1.6E-01	5.5E-01	1.3E-07
222	0.09	9.4E-08	1.2E+00	8.6E-04	1.0E-03	1.1E-06	1.6E-01	5.5E-01	9.3E-08
223	0.07	7.3E-08	9.4E-01	8.6E-04	1.0E-03	8.5E-07	1.6E-01	5.5E-01	7.3E-08

224	0.06	6.3E-08	8.1E-01	8.6E-04	1.0E-03	7.3E-07	1.6E-01	5.5E-01	6.3E-08
225	0.03	2.6E-08	3.3E-01	8.6E-04	1.0E-03	3.0E-07	1.6E-01	5.5E-01	2.5E-08
226	0.03	3.1E-08	3.9E-01	8.6E-04	1.0E-03	3.5E-07	1.6E-01	5.5E-01	3.0E-08
227	0.04	3.7E-08	4.8E-01	8.6E-04	1.0E-03	4.3E-07	1.6E-01	5.5E-01	3.7E-08
228	0.05	4.7E-08	5.9E-01	8.6E-04	1.0E-03	5.4E-07	1.6E-01	5.5E-01	4.6E-08
229	0.06	6.0E-08	7.6E-01	8.6E-04	1.0E-03	6.9E-07	1.6E-01	5.5E-01	5.9E-08
230	0.08	7.8E-08	1.0E+00	8.6E-04	1.0E-03	9.0E-07	1.6E-01	5.5E-01	7.8E-08
231	0.10	1.0E-07	1.3E+00	8.6E-04	1.0E-03	1.2E-06	1.6E-01	5.5E-01	1.0E-07
232	0.13	1.3E-07	1.6E+00	8.6E-04	1.0E-03	1.5E-06	1.6E-01	5.5E-01	1.3E-07
233	0.15	1.5E-07	1.9E+00	8.6E-04	1.0E-03	1.7E-06	1.6E-01	5.5E-01	1.5E-07
234	0.15	1.5E-07	2.0E+00	8.6E-04	1.0E-03	1.8E-06	1.6E-01	5.5E-01	1.5E-07
235	0.15	1.5E-07	1.9E+00	8.6E-04	1.0E-03	1.7E-06	1.6E-01	5.5E-01	1.5E-07
236	0.13	1.3E-07	1.6E+00	8.6E-04	1.0E-03	1.5E-06	1.6E-01	5.5E-01	1.3E-07
237	0.11	1.1E-07	1.4E+00	8.6E-04	1.0E-03	1.2E-06	1.6E-01	5.5E-01	1.1E-07
238	0.09	8.6E-08	1.1E+00	8.6E-04	1.0E-03	1.0E-06	1.6E-01	5.5E-01	8.6E-08
239	0.06	6.4E-08	8.2E-01	8.6E-04	1.0E-03	7.4E-07	1.6E-01	5.5E-01	6.4E-08
240	0.05	5.2E-08	6.7E-01	8.6E-04	1.0E-03	6.1E-07	1.6E-01	5.5E-01	5.2E-08
241	0.02	2.3E-08	2.9E-01	8.6E-04	1.0E-03	2.6E-07	1.6E-01	5.5E-01	2.3E-08
242	0.03	2.7E-08	3.5E-01	8.6E-04	1.0E-03	3.1E-07	1.6E-01	5.5E-01	2.7E-08
243	0.03	3.2E-08	4.1E-01	8.6E-04	1.0E-03	3.7E-07	1.6E-01	5.5E-01	3.2E-08
244	0.04	3.9E-08	5.0E-01	8.6E-04	1.0E-03	4.5E-07	1.6E-01	5.5E-01	3.9E-08
245	0.05	4.9E-08	6.2E-01	8.6E-04	1.0E-03	5.6E-07	1.6E-01	5.5E-01	4.8E-08
246	0.06	6.1E-08	7.8E-01	8.6E-04	1.0E-03	7.0E-07	1.6E-01	5.5E-01	6.1E-08
247	0.08	7.6E-08	9.8E-01	8.6E-04	1.0E-03	8.8E-07	1.6E-01	5.5E-01	7.6E-08
248	0.09	9.2E-08	1.2E+00	8.6E-04	1.0E-03	1.1E-06	1.6E-01	5.5E-01	9.2E-08
249	0.10	1.0E-07	1.3E+00	8.6E-04	1.0E-03	1.2E-06	1.6E-01	5.5E-01	1.0E-07
250	0.11	1.1E-07	1.4E+00	8.6E-04	1.0E-03	1.3E-06	1.6E-01	5.5E-01	1.1E-07
251	0.11	1.1E-07	1.4E+00	8.6E-04	1.0E-03	1.2E-06	1.6E-01	5.5E-01	1.1E-07
252	0.10	9.8E-08	1.3E+00	8.6E-04	1.0E-03	1.1E-06	1.6E-01	5.5E-01	9.7E-08
253	0.09	8.6E-08	1.1E+00	8.6E-04	1.0E-03	9.9E-07	1.6E-01	5.5E-01	8.5E-08
254	0.07	7.3E-08	9.3E-01	8.6E-04	1.0E-03	8.4E-07	1.6E-01	5.5E-01	7.3E-08
255	0.06	6.0E-08	7.7E-01	8.6E-04	1.0E-03	6.9E-07	1.6E-01	5.5E-01	6.0E-08
256	0.05	4.7E-08	6.0E-01	8.6E-04	1.0E-03	5.4E-07	1.6E-01	5.5E-01	4.6E-08
257	0.02	2.1E-08	2.6E-01	8.6E-04	1.0E-03	2.4E-07	1.6E-01	5.5E-01	2.1E-08
258	0.02	2.4E-08	3.1E-01	8.6E-04	1.0E-03	2.8E-07	1.6E-01	5.5E-01	2.4E-08
259	0.03	2.8E-08	3.6E-01	8.6E-04	1.0E-03	3.2E-07	1.6E-01	5.5E-01	2.8E-08
260	0.03	3.4E-08	4.3E-01	8.6E-04	1.0E-03	3.9E-07	1.6E-01	5.5E-01	3.3E-08
261	0.04	4.1E-08	5.2E-01	8.6E-04	1.0E-03	4.7E-07	1.6E-01	5.5E-01	4.0E-08
262	0.05	4.9E-08	6.3E-01	8.6E-04	1.0E-03	5.7E-07	1.6E-01	5.5E-01	4.9E-08
263	0.06	5.9E-08	7.6E-01	8.6E-04	1.0E-03	6.8E-07	1.6E-01	5.5E-01	5.9E-08
264	0.07	6.9E-08	8.9E-01	8.6E-04	1.0E-03	8.0E-07	1.6E-01	5.5E-01	6.9E-08
265	0.08	7.7E-08	9.8E-01	8.6E-04	1.0E-03	8.9E-07	1.6E-01	5.5E-01	7.7E-08
266	0.08	8.1E-08	1.0E+00	8.6E-04	1.0E-03	9.3E-07	1.6E-01	5.5E-01	8.0E-08
267	0.08	8.0E-08	1.0E+00	8.6E-04	1.0E-03	9.3E-07	1.6E-01	5.5E-01	8.0E-08
268	0.08	7.6E-08	9.7E-01	8.6E-04	1.0E-03	8.8E-07	1.6E-01	5.5E-01	7.6E-08
269	0.07	6.9E-08	8.8E-01	8.6E-04	1.0E-03	8.0E-07	1.6E-01	5.5E-01	6.9E-08

270	0.06	6.1E-08	7.8E-01	8.6E-04	1.0E-03	7.1E-07	1.6E-01	5.5E-01	6.1E-08
271	0.05	5.2E-08	6.7E-01	8.6E-04	1.0E-03	6.1E-07	1.6E-01	5.5E-01	5.2E-08
272	0.04	4.2E-08	5.4E-01	8.6E-04	1.0E-03	4.8E-07	1.6E-01	5.5E-01	4.2E-08
273	0.09	9.0E-08	1.0E+00	8.6E-04	1.0E-03	9.3E-07	1.6E-01	5.5E-01	8.0E-08
274	0.10	9.6E-08	1.1E+00	8.6E-04	1.0E-03	9.7E-07	1.6E-01	5.5E-01	8.4E-08
275	0.10	1.0E-07	1.1E+00	8.6E-04	1.0E-03	1.0E-06	1.6E-01	5.5E-01	8.7E-08
276	0.11	1.1E-07	1.2E+00	8.6E-04	1.0E-03	1.1E-06	1.6E-01	5.5E-01	9.1E-08
277	0.13	1.3E-07	1.2E+00	8.6E-04	1.0E-03	1.1E-06	1.6E-01	5.5E-01	9.6E-08
278	0.14	1.4E-07	1.3E+00	8.6E-04	1.0E-03	1.2E-06	1.6E-01	5.5E-01	1.0E-07
279	0.15	1.5E-07	1.3E+00	8.6E-04	1.0E-03	1.2E-06	1.6E-01	5.5E-01	1.0E-07
280	0.15	1.5E-07	1.4E+00	8.6E-04	1.0E-03	1.3E-06	1.6E-01	5.5E-01	1.1E-07
281	0.16	1.6E-07	1.4E+00	8.6E-04	1.0E-03	1.3E-06	1.6E-01	5.5E-01	1.1E-07
282	0.16	1.6E-07	1.5E+00	8.6E-04	1.0E-03	1.4E-06	1.6E-01	5.5E-01	1.2E-07
283	0.16	1.6E-07	1.6E+00	8.6E-04	1.0E-03	1.4E-06	1.6E-01	5.5E-01	1.2E-07
284	0.16	1.6E-07	1.6E+00	8.6E-04	1.0E-03	1.5E-06	1.6E-01	5.5E-01	1.3E-07
285	0.16	1.6E-07	1.7E+00	8.6E-04	1.0E-03	1.5E-06	1.6E-01	5.5E-01	1.3E-07
286	0.16	1.6E-07	1.7E+00	8.6E-04	1.0E-03	1.6E-06	1.6E-01	5.5E-01	1.4E-07
287	0.16	1.6E-07	1.8E+00	8.6E-04	1.0E-03	1.6E-06	1.6E-01	5.5E-01	1.4E-07
288	0.16	1.6E-07	1.9E+00	8.6E-04	1.0E-03	1.7E-06	1.6E-01	5.5E-01	1.5E-07
289	0.17	1.7E-07	2.0E+00	8.6E-04	1.0E-03	1.8E-06	1.6E-01	5.5E-01	1.5E-07
290	0.17	1.7E-07	2.1E+00	8.6E-04	1.0E-03	1.9E-06	1.6E-01	5.5E-01	1.6E-07
291	0.18	1.8E-07	2.2E+00	8.6E-04	1.0E-03	2.0E-06	1.6E-01	5.5E-01	1.7E-07
292	0.18	1.8E-07	2.2E+00	8.6E-04	1.0E-03	2.0E-06	1.6E-01	5.5E-01	1.7E-07
293	0.19	1.9E-07	2.3E+00	8.6E-04	1.0E-03	2.1E-06	1.6E-01	5.5E-01	1.8E-07
294	0.19	1.9E-07	2.4E+00	8.6E-04	1.0E-03	2.1E-06	1.6E-01	5.5E-01	1.8E-07
295	0.19	1.9E-07	2.4E+00	8.6E-04	1.0E-03	2.2E-06	1.6E-01	5.5E-01	1.9E-07
296	0.20	2.0E-07	2.5E+00	8.6E-04	1.0E-03	2.2E-06	1.6E-01	5.5E-01	1.9E-07
297	0.20	2.0E-07	2.5E+00	8.6E-04	1.0E-03	2.3E-06	1.6E-01	5.5E-01	2.0E-07
298	0.20	2.0E-07	2.6E+00	8.6E-04	1.0E-03	2.3E-06	1.6E-01	5.5E-01	2.0E-07
299	0.10	9.7E-08	1.1E+00	8.6E-04	1.0E-03	9.9E-07	1.6E-01	5.5E-01	8.5E-08
300	0.10	1.0E-07	1.1E+00	8.6E-04	1.0E-03	1.0E-06	1.6E-01	5.5E-01	8.9E-08
301	0.11	1.1E-07	1.2E+00	8.6E-04	1.0E-03	1.1E-06	1.6E-01	5.5E-01	9.3E-08
302	0.13	1.3E-07	1.3E+00	8.6E-04	1.0E-03	1.1E-06	1.6E-01	5.5E-01	9.8E-08
303	0.11	1.1E-07	1.3E+00	8.6E-04	1.0E-03	1.2E-06	1.6E-01	5.5E-01	1.0E-07
304	0.12	1.2E-07	1.4E+00	8.6E-04	1.0E-03	1.3E-06	1.6E-01	5.5E-01	1.1E-07
305	0.13	1.3E-07	1.4E+00	8.6E-04	1.0E-03	1.3E-06	1.6E-01	5.5E-01	1.1E-07
306	0.15	1.5E-07	1.5E+00	8.6E-04	1.0E-03	1.4E-06	1.6E-01	5.5E-01	1.2E-07
307	0.15	1.5E-07	1.6E+00	8.6E-04	1.0E-03	1.4E-06	1.6E-01	5.5E-01	1.2E-07
308	0.15	1.5E-07	1.6E+00	8.6E-04	1.0E-03	1.5E-06	1.6E-01	5.5E-01	1.3E-07
309	0.15	1.5E-07	1.7E+00	8.6E-04	1.0E-03	1.5E-06	1.6E-01	5.5E-01	1.3E-07
310	0.19	1.9E-07	1.8E+00	8.6E-04	1.0E-03	1.6E-06	1.6E-01	5.5E-01	1.4E-07
311	0.18	1.8E-07	1.8E+00	8.6E-04	1.0E-03	1.7E-06	1.6E-01	5.5E-01	1.4E-07
312	0.18	1.8E-07	1.9E+00	8.6E-04	1.0E-03	1.7E-06	1.6E-01	5.5E-01	1.5E-07
313	0.18	1.8E-07	2.0E+00	8.6E-04	1.0E-03	1.8E-06	1.6E-01	5.5E-01	1.6E-07
314	0.18	1.8E-07	2.1E+00	8.6E-04	1.0E-03	1.9E-06	1.6E-01	5.5E-01	1.6E-07
315	0.18	1.8E-07	2.2E+00	8.6E-04	1.0E-03	2.0E-06	1.6E-01	5.5E-01	1.7E-07

316	0.19	1.9E-07	2.3E+00	8.6E-04	1.0E-03	2.1E-06	1.6E-01	5.5E-01	1.8E-07
317	0.20	2.0E-07	2.4E+00	8.6E-04	1.0E-03	2.2E-06	1.6E-01	5.5E-01	1.9E-07
318	0.20	2.0E-07	2.5E+00	8.6E-04	1.0E-03	2.2E-06	1.6E-01	5.5E-01	1.9E-07
319	0.21	2.1E-07	2.6E+00	8.6E-04	1.0E-03	2.3E-06	1.6E-01	5.5E-01	2.0E-07
320	0.21	2.1E-07	2.6E+00	8.6E-04	1.0E-03	2.4E-06	1.6E-01	5.5E-01	2.0E-07
321	0.22	2.2E-07	2.7E+00	8.6E-04	1.0E-03	2.4E-06	1.6E-01	5.5E-01	2.1E-07
322	0.22	2.2E-07	2.8E+00	8.6E-04	1.0E-03	2.5E-06	1.6E-01	5.5E-01	2.2E-07
323	0.22	2.2E-07	2.8E+00	8.6E-04	1.0E-03	2.5E-06	1.6E-01	5.5E-01	2.2E-07
324	0.23	2.3E-07	2.9E+00	8.6E-04	1.0E-03	2.6E-06	1.6E-01	5.5E-01	2.2E-07
325	0.10	1.0E-07	1.2E+00	8.6E-04	1.0E-03	1.1E-06	1.6E-01	5.5E-01	9.1E-08
326	0.11	1.1E-07	1.2E+00	8.6E-04	1.0E-03	1.1E-06	1.6E-01	5.5E-01	9.5E-08
327	0.13	1.3E-07	1.3E+00	8.6E-04	1.0E-03	1.2E-06	1.6E-01	5.5E-01	1.0E-07
328	0.14	1.4E-07	1.4E+00	8.6E-04	1.0E-03	1.2E-06	1.6E-01	5.5E-01	1.1E-07
329	0.12	1.2E-07	1.4E+00	8.6E-04	1.0E-03	1.3E-06	1.6E-01	5.5E-01	1.1E-07
330	0.14	1.4E-07	1.5E+00	8.6E-04	1.0E-03	1.4E-06	1.6E-01	5.5E-01	1.2E-07
331	0.15	1.5E-07	1.6E+00	8.6E-04	1.0E-03	1.4E-06	1.6E-01	5.5E-01	1.2E-07
332	0.13	1.3E-07	1.6E+00	8.6E-04	1.0E-03	1.5E-06	1.6E-01	5.5E-01	1.3E-07
333	0.14	1.4E-07	1.7E+00	8.6E-04	1.0E-03	1.5E-06	1.6E-01	5.5E-01	1.3E-07
334	0.17	1.7E-07	1.8E+00	8.6E-04	1.0E-03	1.6E-06	1.6E-01	5.5E-01	1.4E-07
335	0.17	1.7E-07	1.9E+00	8.6E-04	1.0E-03	1.7E-06	1.6E-01	5.5E-01	1.5E-07
336	0.17	1.7E-07	2.0E+00	8.6E-04	1.0E-03	1.8E-06	1.6E-01	5.5E-01	1.5E-07
337	0.20	2.0E-07	2.0E+00	8.6E-04	1.0E-03	1.8E-06	1.6E-01	5.5E-01	1.6E-07
338	0.20	2.0E-07	2.1E+00	8.6E-04	1.0E-03	1.9E-06	1.6E-01	5.5E-01	1.6E-07
339	0.20	2.0E-07	2.2E+00	8.6E-04	1.0E-03	2.0E-06	1.6E-01	5.5E-01	1.7E-07
340	0.20	2.0E-07	2.3E+00	8.6E-04	1.0E-03	2.1E-06	1.6E-01	5.5E-01	1.8E-07
341	0.20	2.0E-07	2.4E+00	8.6E-04	1.0E-03	2.2E-06	1.6E-01	5.5E-01	1.9E-07
342	0.21	2.1E-07	2.6E+00	8.6E-04	1.0E-03	2.3E-06	1.6E-01	5.5E-01	2.0E-07
343	0.22	2.2E-07	2.7E+00	8.6E-04	1.0E-03	2.4E-06	1.6E-01	5.5E-01	2.1E-07
344	0.23	2.3E-07	2.8E+00	8.6E-04	1.0E-03	2.5E-06	1.6E-01	5.5E-01	2.2E-07
345	0.23	2.3E-07	2.9E+00	8.6E-04	1.0E-03	2.6E-06	1.6E-01	5.5E-01	2.2E-07
346	0.24	2.4E-07	3.0E+00	8.6E-04	1.0E-03	2.7E-06	1.6E-01	5.5E-01	2.3E-07
347	0.24	2.4E-07	3.0E+00	8.6E-04	1.0E-03	2.7E-06	1.6E-01	5.5E-01	2.4E-07
348	0.25	2.5E-07	3.1E+00	8.6E-04	1.0E-03	2.8E-06	1.6E-01	5.5E-01	2.4E-07
349	0.25	2.5E-07	3.2E+00	8.6E-04	1.0E-03	2.9E-06	1.6E-01	5.5E-01	2.5E-07
350	0.25	2.5E-07	3.2E+00	8.6E-04	1.0E-03	2.9E-06	1.6E-01	5.5E-01	2.5E-07
351	0.11	1.1E-07	1.2E+00	8.6E-04	1.0E-03	1.1E-06	1.6E-01	5.5E-01	9.7E-08
352	0.12	1.2E-07	1.3E+00	8.6E-04	1.0E-03	1.2E-06	1.6E-01	5.5E-01	1.0E-07
353	0.14	1.4E-07	1.4E+00	8.6E-04	1.0E-03	1.3E-06	1.6E-01	5.5E-01	1.1E-07
354	0.12	1.2E-07	1.5E+00	8.6E-04	1.0E-03	1.3E-06	1.6E-01	5.5E-01	1.1E-07
355	0.13	1.3E-07	1.5E+00	8.6E-04	1.0E-03	1.4E-06	1.6E-01	5.5E-01	1.2E-07
356	0.15	1.5E-07	1.6E+00	8.6E-04	1.0E-03	1.5E-06	1.6E-01	5.5E-01	1.3E-07
357	0.13	1.3E-07	1.7E+00	8.6E-04	1.0E-03	1.5E-06	1.6E-01	5.5E-01	1.3E-07
358	0.14	1.4E-07	1.8E+00	8.6E-04	1.0E-03	1.6E-06	1.6E-01	5.5E-01	1.4E-07
359	0.15	1.5E-07	1.9E+00	8.6E-04	1.0E-03	1.7E-06	1.6E-01	5.5E-01	1.5E-07
360	0.19	1.9E-07	2.0E+00	8.6E-04	1.0E-03	1.8E-06	1.6E-01	5.5E-01	1.5E-07
361	0.18	1.8E-07	2.1E+00	8.6E-04	1.0E-03	1.9E-06	1.6E-01	5.5E-01	1.6E-07

362	0.18	1.8E-07	2.2E+00	8.6E-04	1.0E-03	2.0E-06	1.6E-01	5.5E-01	1.7E-07
363	0.22	2.2E-07	2.3E+00	8.6E-04	1.0E-03	2.0E-06	1.6E-01	5.5E-01	1.8E-07
364	0.22	2.2E-07	2.4E+00	8.6E-04	1.0E-03	2.1E-06	1.6E-01	5.5E-01	1.8E-07
365	0.22	2.2E-07	2.5E+00	8.6E-04	1.0E-03	2.3E-06	1.6E-01	5.5E-01	1.9E-07
366	0.22	2.2E-07	2.6E+00	8.6E-04	1.0E-03	2.4E-06	1.6E-01	5.5E-01	2.0E-07
367	0.23	2.3E-07	2.7E+00	8.6E-04	1.0E-03	2.5E-06	1.6E-01	5.5E-01	2.1E-07
368	0.24	2.4E-07	2.9E+00	8.6E-04	1.0E-03	2.6E-06	1.6E-01	5.5E-01	2.3E-07
369	0.25	2.5E-07	3.0E+00	8.6E-04	1.0E-03	2.7E-06	1.6E-01	5.5E-01	2.4E-07
370	0.25	2.5E-07	3.1E+00	8.6E-04	1.0E-03	2.8E-06	1.6E-01	5.5E-01	2.4E-07
371	0.26	2.6E-07	3.2E+00	8.6E-04	1.0E-03	2.9E-06	1.6E-01	5.5E-01	2.5E-07
372	0.27	2.7E-07	3.3E+00	8.6E-04	1.0E-03	3.0E-06	1.6E-01	5.5E-01	2.6E-07
373	0.27	2.7E-07	3.4E+00	8.6E-04	1.0E-03	3.1E-06	1.6E-01	5.5E-01	2.7E-07
374	0.28	2.8E-07	3.5E+00	8.6E-04	1.0E-03	3.2E-06	1.6E-01	5.5E-01	2.7E-07
375	0.28	2.8E-07	3.6E+00	8.6E-04	1.0E-03	3.2E-06	1.6E-01	5.5E-01	2.8E-07
376	0.28	2.8E-07	3.6E+00	8.6E-04	1.0E-03	3.2E-06	1.6E-01	5.5E-01	2.8E-07
377	0.12	1.2E-07	1.3E+00	8.6E-04	1.0E-03	1.2E-06	1.6E-01	5.5E-01	1.0E-07
378	0.13	1.3E-07	1.4E+00	8.6E-04	1.0E-03	1.3E-06	1.6E-01	5.5E-01	1.1E-07
379	0.14	1.4E-07	1.5E+00	8.6E-04	1.0E-03	1.3E-06	1.6E-01	5.5E-01	1.2E-07
380	0.13	1.3E-07	1.6E+00	8.6E-04	1.0E-03	1.4E-06	1.6E-01	5.5E-01	1.2E-07
381	0.14	1.4E-07	1.7E+00	8.6E-04	1.0E-03	1.5E-06	1.6E-01	5.5E-01	1.3E-07
382	0.26	2.6E-07	3.1E+00	8.6E-04	1.0E-03	2.8E-06	1.6E-01	5.5E-01	2.4E-07
383	0.27	2.7E-07	3.3E+00	8.6E-04	1.0E-03	3.0E-06	1.6E-01	5.5E-01	2.6E-07
384	0.28	2.8E-07	3.5E+00	8.6E-04	1.0E-03	3.1E-06	1.6E-01	5.5E-01	2.7E-07
385	0.29	2.9E-07	3.6E+00	8.6E-04	1.0E-03	3.2E-06	1.6E-01	5.5E-01	2.8E-07
386	0.29	2.9E-07	3.7E+00	8.6E-04	1.0E-03	3.3E-06	1.6E-01	5.5E-01	2.9E-07
387	0.30	3.0E-07	3.8E+00	8.6E-04	1.0E-03	3.4E-06	1.6E-01	5.5E-01	3.0E-07
388	0.31	3.1E-07	3.9E+00	8.6E-04	1.0E-03	3.5E-06	1.6E-01	5.5E-01	3.0E-07
389	0.31	3.1E-07	4.0E+00	8.6E-04	1.0E-03	3.6E-06	1.6E-01	5.5E-01	3.1E-07
390	0.32	3.2E-07	4.0E+00	8.6E-04	1.0E-03	3.6E-06	1.6E-01	5.5E-01	3.1E-07
391	0.32	3.2E-07	4.0E+00	8.6E-04	1.0E-03	3.6E-06	1.6E-01	5.5E-01	3.1E-07
392	0.12	1.2E-07	1.4E+00	8.6E-04	1.0E-03	1.3E-06	1.6E-01	5.5E-01	1.1E-07
393	0.13	1.3E-07	1.5E+00	8.6E-04	1.0E-03	1.4E-06	1.6E-01	5.5E-01	1.2E-07
394	0.15	1.5E-07	1.6E+00	8.6E-04	1.0E-03	1.4E-06	1.6E-01	5.5E-01	1.2E-07
395	0.14	1.4E-07	1.7E+00	8.6E-04	1.0E-03	1.5E-06	1.6E-01	5.5E-01	1.3E-07
396	0.15	1.5E-07	1.8E+00	8.6E-04	1.0E-03	1.6E-06	1.6E-01	5.5E-01	1.4E-07
397	0.29	2.9E-07	3.6E+00	8.6E-04	1.0E-03	3.2E-06	1.6E-01	5.5E-01	2.8E-07
398	0.30	3.0E-07	3.8E+00	8.6E-04	1.0E-03	3.4E-06	1.6E-01	5.5E-01	2.9E-07
399	0.32	3.2E-07	4.0E+00	8.6E-04	1.0E-03	3.6E-06	1.6E-01	5.5E-01	3.1E-07
400	0.33	3.3E-07	4.1E+00	8.6E-04	1.0E-03	3.7E-06	1.6E-01	5.5E-01	3.2E-07
401	0.34	3.4E-07	4.2E+00	8.6E-04	1.0E-03	3.8E-06	1.6E-01	5.5E-01	3.3E-07
402	0.34	3.4E-07	4.3E+00	8.6E-04	1.0E-03	3.9E-06	1.6E-01	5.5E-01	3.4E-07
403	0.35	3.5E-07	4.4E+00	8.6E-04	1.0E-03	4.0E-06	1.6E-01	5.5E-01	3.4E-07
404	0.35	3.5E-07	4.5E+00	8.6E-04	1.0E-03	4.1E-06	1.6E-01	5.5E-01	3.5E-07
405	0.36	3.6E-07	4.5E+00	8.6E-04	1.0E-03	4.1E-06	1.6E-01	5.5E-01	3.5E-07
406	0.36	3.6E-07	4.5E+00	8.6E-04	1.0E-03	4.1E-06	1.6E-01	5.5E-01	3.5E-07
407	0.13	1.3E-07	1.5E+00	8.6E-04	1.0E-03	1.4E-06	1.6E-01	5.5E-01	1.2E-07

408	0.14	1.4E-07	1.6E+00	8.6E-04	1.0E-03	1.5E-06	1.6E-01	5.5E-01	1.2E-07
409	0.15	1.5E-07	1.7E+00	8.6E-04	1.0E-03	1.5E-06	1.6E-01	5.5E-01	1.3E-07
410	0.17	1.7E-07	1.8E+00	8.6E-04	1.0E-03	1.7E-06	1.6E-01	5.5E-01	1.4E-07
411	0.16	1.6E-07	2.0E+00	8.6E-04	1.0E-03	1.8E-06	1.6E-01	5.5E-01	1.5E-07
412	0.33	3.3E-07	4.1E+00	8.6E-04	1.0E-03	3.7E-06	1.6E-01	5.5E-01	3.2E-07
413	0.35	3.5E-07	4.3E+00	8.6E-04	1.0E-03	3.9E-06	1.6E-01	5.5E-01	3.4E-07
414	0.36	3.6E-07	4.6E+00	8.6E-04	1.0E-03	4.1E-06	1.6E-01	5.5E-01	3.5E-07
415	0.38	3.8E-07	4.7E+00	8.6E-04	1.0E-03	4.3E-06	1.6E-01	5.5E-01	3.7E-07
416	0.39	3.9E-07	4.9E+00	8.6E-04	1.0E-03	4.4E-06	1.6E-01	5.5E-01	3.8E-07
417	0.39	3.9E-07	5.0E+00	8.6E-04	1.0E-03	4.5E-06	1.6E-01	5.5E-01	3.9E-07
418	0.40	4.0E-07	5.1E+00	8.6E-04	1.0E-03	4.6E-06	1.6E-01	5.5E-01	4.0E-07
419	0.40	4.0E-07	5.1E+00	8.6E-04	1.0E-03	4.6E-06	1.6E-01	5.5E-01	4.0E-07
420	0.40	4.0E-07	5.1E+00	8.6E-04	1.0E-03	4.6E-06	1.6E-01	5.5E-01	4.0E-07
421	0.40	4.0E-07	5.1E+00	8.6E-04	1.0E-03	4.6E-06	1.6E-01	5.5E-01	4.0E-07
422	0.14	1.4E-07	1.6E+00	8.6E-04	1.0E-03	1.5E-06	1.6E-01	5.5E-01	1.3E-07
423	0.15	1.5E-07	1.7E+00	8.6E-04	1.0E-03	1.6E-06	1.6E-01	5.5E-01	1.3E-07
424	0.16	1.6E-07	1.8E+00	8.6E-04	1.0E-03	1.7E-06	1.6E-01	5.5E-01	1.4E-07
425	0.18	1.8E-07	2.0E+00	8.6E-04	1.0E-03	1.8E-06	1.6E-01	5.5E-01	1.5E-07
426	0.20	2.0E-07	2.1E+00	8.6E-04	1.0E-03	1.9E-06	1.6E-01	5.5E-01	1.7E-07
427	0.38	3.8E-07	4.8E+00	8.6E-04	1.0E-03	4.3E-06	1.6E-01	5.5E-01	3.7E-07
428	0.40	4.0E-07	5.1E+00	8.6E-04	1.0E-03	4.6E-06	1.6E-01	5.5E-01	3.9E-07
429	0.42	4.2E-07	5.3E+00	8.6E-04	1.0E-03	4.8E-06	1.6E-01	5.5E-01	4.1E-07
430	0.44	4.4E-07	5.5E+00	8.6E-04	1.0E-03	5.0E-06	1.6E-01	5.5E-01	4.3E-07
431	0.45	4.5E-07	5.7E+00	8.6E-04	1.0E-03	5.1E-06	1.6E-01	5.5E-01	4.4E-07
432	0.46	4.6E-07	5.8E+00	8.6E-04	1.0E-03	5.2E-06	1.6E-01	5.5E-01	4.5E-07
433	0.46	4.6E-07	5.9E+00	8.6E-04	1.0E-03	5.3E-06	1.6E-01	5.5E-01	4.6E-07
434	0.46	4.6E-07	5.9E+00	8.6E-04	1.0E-03	5.3E-06	1.6E-01	5.5E-01	4.6E-07
435	0.46	4.6E-07	5.8E+00	8.6E-04	1.0E-03	5.3E-06	1.6E-01	5.5E-01	4.5E-07
436	0.45	4.5E-07	5.8E+00	8.6E-04	1.0E-03	5.2E-06	1.6E-01	5.5E-01	4.5E-07
437	0.14	1.4E-07	1.7E+00	8.6E-04	1.0E-03	1.6E-06	1.6E-01	5.5E-01	1.3E-07
438	0.15	1.5E-07	1.8E+00	8.6E-04	1.0E-03	1.7E-06	1.6E-01	5.5E-01	1.4E-07
439	0.17	1.7E-07	2.0E+00	8.6E-04	1.0E-03	1.8E-06	1.6E-01	5.5E-01	1.5E-07
440	0.18	1.8E-07	2.1E+00	8.6E-04	1.0E-03	1.9E-06	1.6E-01	5.5E-01	1.7E-07
441	0.20	2.0E-07	2.3E+00	8.6E-04	1.0E-03	2.1E-06	1.6E-01	5.5E-01	1.8E-07
442	0.45	4.5E-07	5.7E+00	8.6E-04	1.0E-03	5.2E-06	1.6E-01	5.5E-01	4.4E-07
443	0.47	4.7E-07	6.0E+00	8.6E-04	1.0E-03	5.4E-06	1.6E-01	5.5E-01	4.6E-07
444	0.49	4.9E-07	6.3E+00	8.6E-04	1.0E-03	5.7E-06	1.6E-01	5.5E-01	4.9E-07
445	0.51	5.1E-07	6.5E+00	8.6E-04	1.0E-03	5.9E-06	1.6E-01	5.5E-01	5.0E-07
446	0.52	5.2E-07	6.7E+00	8.6E-04	1.0E-03	6.0E-06	1.6E-01	5.5E-01	5.2E-07
447	0.53	5.3E-07	6.8E+00	8.6E-04	1.0E-03	6.1E-06	1.6E-01	5.5E-01	5.3E-07
448	0.53	5.3E-07	6.8E+00	8.6E-04	1.0E-03	6.1E-06	1.6E-01	5.5E-01	5.3E-07
449	0.53	5.3E-07	6.8E+00	8.6E-04	1.0E-03	6.1E-06	1.6E-01	5.5E-01	5.3E-07
450	0.52	5.2E-07	6.7E+00	8.6E-04	1.0E-03	6.0E-06	1.6E-01	5.5E-01	5.2E-07
451	0.51	5.1E-07	6.5E+00	8.6E-04	1.0E-03	5.9E-06	1.6E-01	5.5E-01	5.1E-07
452	0.15	1.5E-07	1.8E+00	8.6E-04	1.0E-03	1.7E-06	1.6E-01	5.5E-01	1.4E-07
453	0.16	1.6E-07	2.0E+00	8.6E-04	1.0E-03	1.8E-06	1.6E-01	5.5E-01	1.5E-07

454	0.18	1.8E-07	2.2E+00	8.6E-04	1.0E-03	1.9E-06	1.6E-01	5.5E-01	1.7E-07
455	0.19	1.9E-07	2.3E+00	8.6E-04	1.0E-03	2.1E-06	1.6E-01	5.5E-01	1.8E-07
456	0.21	2.1E-07	2.5E+00	8.6E-04	1.0E-03	2.3E-06	1.6E-01	5.5E-01	2.0E-07
457	0.54	5.4E-07	6.8E+00	8.6E-04	1.0E-03	6.2E-06	1.6E-01	5.5E-01	5.3E-07
458	0.56	5.6E-07	7.2E+00	8.6E-04	1.0E-03	6.5E-06	1.6E-01	5.5E-01	5.6E-07
459	0.59	5.9E-07	7.5E+00	8.6E-04	1.0E-03	6.7E-06	1.6E-01	5.5E-01	5.8E-07
460	0.60	6.0E-07	7.7E+00	8.6E-04	1.0E-03	7.0E-06	1.6E-01	5.5E-01	6.0E-07
461	0.62	6.2E-07	7.9E+00	8.6E-04	1.0E-03	7.1E-06	1.6E-01	5.5E-01	6.1E-07
462	0.62	6.2E-07	7.9E+00	8.6E-04	1.0E-03	7.2E-06	1.6E-01	5.5E-01	6.2E-07
463	0.62	6.2E-07	7.9E+00	8.6E-04	1.0E-03	7.2E-06	1.6E-01	5.5E-01	6.2E-07
464	0.61	6.1E-07	7.8E+00	8.6E-04	1.0E-03	7.1E-06	1.6E-01	5.5E-01	6.1E-07
465	0.60	6.0E-07	7.6E+00	8.6E-04	1.0E-03	6.9E-06	1.6E-01	5.5E-01	5.9E-07
466	0.58	5.8E-07	7.4E+00	8.6E-04	1.0E-03	6.7E-06	1.6E-01	5.5E-01	5.7E-07
467	0.16	1.6E-07	1.9E+00	8.6E-04	1.0E-03	1.8E-06	1.6E-01	5.5E-01	1.5E-07
468	0.17	1.7E-07	2.1E+00	8.6E-04	1.0E-03	1.9E-06	1.6E-01	5.5E-01	1.6E-07
469	0.19	1.9E-07	2.3E+00	8.6E-04	1.0E-03	2.1E-06	1.6E-01	5.5E-01	1.8E-07
470	0.21	2.1E-07	2.5E+00	8.6E-04	1.0E-03	2.3E-06	1.6E-01	5.5E-01	2.0E-07
471	0.23	2.3E-07	2.8E+00	8.6E-04	1.0E-03	2.5E-06	1.6E-01	5.5E-01	2.2E-07
472	0.65	6.5E-07	8.2E+00	8.6E-04	1.0E-03	7.4E-06	1.6E-01	5.5E-01	6.4E-07
473	0.68	6.8E-07	8.6E+00	8.6E-04	1.0E-03	7.8E-06	1.6E-01	5.5E-01	6.7E-07
474	0.70	7.0E-07	9.0E+00	8.6E-04	1.0E-03	8.1E-06	1.6E-01	5.5E-01	7.0E-07
475	0.72	7.2E-07	9.2E+00	8.6E-04	1.0E-03	8.3E-06	1.6E-01	5.5E-01	7.2E-07
476	0.73	7.3E-07	9.4E+00	8.6E-04	1.0E-03	8.5E-06	1.6E-01	5.5E-01	7.3E-07
477	0.73	7.3E-07	9.4E+00	8.6E-04	1.0E-03	8.5E-06	1.6E-01	5.5E-01	7.3E-07
478	0.72	7.2E-07	9.3E+00	8.6E-04	1.0E-03	8.4E-06	1.6E-01	5.5E-01	7.2E-07
479	0.71	7.1E-07	9.0E+00	8.6E-04	1.0E-03	8.2E-06	1.6E-01	5.5E-01	7.0E-07
480	0.68	6.8E-07	8.7E+00	8.6E-04	1.0E-03	7.9E-06	1.6E-01	5.5E-01	6.8E-07
481	0.65	6.5E-07	8.3E+00	8.6E-04	1.0E-03	7.5E-06	1.6E-01	5.5E-01	6.5E-07
482	0.17	1.7E-07	2.1E+00	8.6E-04	1.0E-03	1.9E-06	1.6E-01	5.5E-01	1.6E-07
483	0.18	1.8E-07	2.3E+00	8.6E-04	1.0E-03	2.0E-06	1.6E-01	5.5E-01	1.8E-07
484	0.20	2.0E-07	2.5E+00	8.6E-04	1.0E-03	2.3E-06	1.6E-01	5.5E-01	1.9E-07
485	0.22	2.2E-07	2.8E+00	8.6E-04	1.0E-03	2.5E-06	1.6E-01	5.5E-01	2.1E-07
486	0.25	2.5E-07	3.1E+00	8.6E-04	1.0E-03	2.8E-06	1.6E-01	5.5E-01	2.4E-07
487	0.79	7.9E-07	1.0E+01	8.6E-04	1.0E-03	9.1E-06	1.6E-01	5.5E-01	7.8E-07
488	0.83	8.3E-07	1.1E+01	8.6E-04	1.0E-03	9.6E-06	1.6E-01	5.5E-01	8.2E-07
489	0.86	8.6E-07	1.1E+01	8.6E-04	1.0E-03	9.9E-06	1.6E-01	5.5E-01	8.5E-07
490	0.87	8.7E-07	1.1E+01	8.6E-04	1.0E-03	1.0E-05	1.6E-01	5.5E-01	8.7E-07
491	0.88	8.8E-07	1.1E+01	8.6E-04	1.0E-03	1.0E-05	1.6E-01	5.5E-01	8.7E-07
492	0.87	8.7E-07	1.1E+01	8.6E-04	1.0E-03	1.0E-05	1.6E-01	5.5E-01	8.6E-07
493	0.85	8.5E-07	1.1E+01	8.6E-04	1.0E-03	9.8E-06	1.6E-01	5.5E-01	8.4E-07
494	0.82	8.2E-07	1.0E+01	8.6E-04	1.0E-03	9.4E-06	1.6E-01	5.5E-01	8.1E-07
495	0.78	7.8E-07	1.0E+01	8.6E-04	1.0E-03	9.0E-06	1.6E-01	5.5E-01	7.8E-07
496	0.73	7.3E-07	9.4E+00	8.6E-04	1.0E-03	8.5E-06	1.6E-01	5.5E-01	7.3E-07
497	0.18	1.8E-07	2.2E+00	8.6E-04	1.0E-03	2.0E-06	1.6E-01	5.5E-01	1.7E-07
498	0.19	1.9E-07	2.4E+00	8.6E-04	1.0E-03	2.2E-06	1.6E-01	5.5E-01	1.9E-07
499	0.22	2.2E-07	2.7E+00	8.6E-04	1.0E-03	2.4E-06	1.6E-01	5.5E-01	2.1E-07

500	0.24	2.4E-07	3.0E+00	8.6E-04	1.0E-03	2.7E-06	1.6E-01	5.5E-01	2.3E-07
501	0.27	2.7E-07	3.4E+00	8.6E-04	1.0E-03	3.1E-06	1.6E-01	5.5E-01	2.6E-07
502	0.98	9.8E-07	1.3E+01	8.6E-04	1.0E-03	1.1E-05	1.6E-01	5.5E-01	9.8E-07
503	1.03	1.0E-06	1.3E+01	8.6E-04	1.0E-03	1.2E-05	1.6E-01	5.5E-01	1.0E-06
504	1.06	1.1E-06	1.4E+01	8.6E-04	1.0E-03	1.2E-05	1.6E-01	5.5E-01	1.1E-06
505	1.07	1.1E-06	1.4E+01	8.6E-04	1.0E-03	1.2E-05	1.6E-01	5.5E-01	1.1E-06
506	1.06	1.1E-06	1.4E+01	8.6E-04	1.0E-03	1.2E-05	1.6E-01	5.5E-01	1.1E-06
507	1.03	1.0E-06	1.3E+01	8.6E-04	1.0E-03	1.2E-05	1.6E-01	5.5E-01	1.0E-06
508	0.99	9.9E-07	1.3E+01	8.6E-04	1.0E-03	1.1E-05	1.6E-01	5.5E-01	9.9E-07
509	0.94	9.4E-07	1.2E+01	8.6E-04	1.0E-03	1.1E-05	1.6E-01	5.5E-01	9.4E-07
510	0.88	8.8E-07	1.1E+01	8.6E-04	1.0E-03	1.0E-05	1.6E-01	5.5E-01	8.8E-07
511	0.82	8.2E-07	1.1E+01	8.6E-04	1.0E-03	9.5E-06	1.6E-01	5.5E-01	8.2E-07
512	0.19	1.9E-07	2.3E+00	8.6E-04	1.0E-03	2.1E-06	1.6E-01	5.5E-01	1.8E-07
513	0.21	2.1E-07	2.6E+00	8.6E-04	1.0E-03	2.3E-06	1.6E-01	5.5E-01	2.0E-07
514	0.23	2.3E-07	2.9E+00	8.6E-04	1.0E-03	2.6E-06	1.6E-01	5.5E-01	2.2E-07
515	0.26	2.6E-07	3.3E+00	8.6E-04	1.0E-03	2.9E-06	1.6E-01	5.5E-01	2.5E-07
516	0.30	3.0E-07	3.7E+00	8.6E-04	1.0E-03	3.4E-06	1.6E-01	5.5E-01	2.9E-07
517	1.26	1.3E-06	1.6E+01	8.6E-04	1.0E-03	1.5E-05	1.6E-01	5.5E-01	1.3E-06
518	1.31	1.3E-06	1.7E+01	8.6E-04	1.0E-03	1.5E-05	1.6E-01	5.5E-01	1.3E-06
519	1.33	1.3E-06	1.7E+01	8.6E-04	1.0E-03	1.5E-05	1.6E-01	5.5E-01	1.3E-06
520	1.32	1.3E-06	1.7E+01	8.6E-04	1.0E-03	1.5E-05	1.6E-01	5.5E-01	1.3E-06
521	1.29	1.3E-06	1.7E+01	8.6E-04	1.0E-03	1.5E-05	1.6E-01	5.5E-01	1.3E-06
522	1.23	1.2E-06	1.6E+01	8.6E-04	1.0E-03	1.4E-05	1.6E-01	5.5E-01	1.2E-06
523	1.16	1.2E-06	1.5E+01	8.6E-04	1.0E-03	1.3E-05	1.6E-01	5.5E-01	1.2E-06
524	1.08	1.1E-06	1.4E+01	8.6E-04	1.0E-03	1.3E-05	1.6E-01	5.5E-01	1.1E-06
525	1.00	1.0E-06	1.3E+01	8.6E-04	1.0E-03	1.2E-05	1.6E-01	5.5E-01	9.9E-07
526	0.91	9.1E-07	1.2E+01	8.6E-04	1.0E-03	1.1E-05	1.6E-01	5.5E-01	9.1E-07
527	0.19	1.9E-07	2.5E+00	8.6E-04	1.0E-03	2.2E-06	1.6E-01	5.5E-01	1.9E-07
528	0.22	2.2E-07	2.8E+00	8.6E-04	1.0E-03	2.5E-06	1.6E-01	5.5E-01	2.1E-07
529	0.25	2.5E-07	3.1E+00	8.6E-04	1.0E-03	2.8E-06	1.6E-01	5.5E-01	2.4E-07
530	0.28	2.8E-07	3.5E+00	8.6E-04	1.0E-03	3.2E-06	1.6E-01	5.5E-01	2.8E-07
531	0.32	3.2E-07	4.1E+00	8.6E-04	1.0E-03	3.7E-06	1.6E-01	5.5E-01	3.2E-07
532	1.64	1.6E-06	2.1E+01	8.6E-04	1.0E-03	1.9E-05	1.6E-01	5.5E-01	1.6E-06
533	1.69	1.7E-06	2.2E+01	8.6E-04	1.0E-03	2.0E-05	1.6E-01	5.5E-01	1.7E-06
534	1.68	1.7E-06	2.2E+01	8.6E-04	1.0E-03	1.9E-05	1.6E-01	5.5E-01	1.7E-06
535	1.63	1.6E-06	2.1E+01	8.6E-04	1.0E-03	1.9E-05	1.6E-01	5.5E-01	1.6E-06
536	1.55	1.5E-06	2.0E+01	8.6E-04	1.0E-03	1.8E-05	1.6E-01	5.5E-01	1.5E-06
537	1.45	1.4E-06	1.9E+01	8.6E-04	1.0E-03	1.7E-05	1.6E-01	5.5E-01	1.4E-06
538	1.34	1.3E-06	1.7E+01	8.6E-04	1.0E-03	1.6E-05	1.6E-01	5.5E-01	1.3E-06
539	1.23	1.2E-06	1.6E+01	8.6E-04	1.0E-03	1.4E-05	1.6E-01	5.5E-01	1.2E-06
540	1.11	1.1E-06	1.4E+01	8.6E-04	1.0E-03	1.3E-05	1.6E-01	5.5E-01	1.1E-06
541	0.99	9.9E-07	1.3E+01	8.6E-04	1.0E-03	1.1E-05	1.6E-01	5.5E-01	9.9E-07
542	0.20	2.0E-07	2.6E+00	8.6E-04	1.0E-03	2.3E-06	1.6E-01	5.5E-01	2.0E-07
543	0.23	2.3E-07	2.9E+00	8.6E-04	1.0E-03	2.6E-06	1.6E-01	5.5E-01	2.3E-07
544	0.26	2.6E-07	3.3E+00	8.6E-04	1.0E-03	3.0E-06	1.6E-01	5.5E-01	2.6E-07
545	0.30	3.0E-07	3.8E+00	8.6E-04	1.0E-03	3.5E-06	1.6E-01	5.5E-01	3.0E-07

546	0.35	3.5E-07	4.5E+00	8.6E-04	1.0E-03	4.0E-06	1.6E-01	5.5E-01	3.5E-07
547	2.20	2.2E-06	2.8E+01	8.6E-04	1.0E-03	2.5E-05	1.6E-01	5.5E-01	2.2E-06
548	2.21	2.2E-06	2.8E+01	8.6E-04	1.0E-03	2.6E-05	1.6E-01	5.5E-01	2.2E-06
549	2.15	2.1E-06	2.8E+01	8.6E-04	1.0E-03	2.5E-05	1.6E-01	5.5E-01	2.1E-06
550	2.02	2.0E-06	2.6E+01	8.6E-04	1.0E-03	2.3E-05	1.6E-01	5.5E-01	2.0E-06
551	1.81	1.8E-06	2.3E+01	8.6E-04	1.0E-03	2.1E-05	1.6E-01	5.5E-01	1.8E-06
552	1.64	1.6E-06	2.1E+01	8.6E-04	1.0E-03	1.9E-05	1.6E-01	5.5E-01	1.6E-06
553	1.48	1.5E-06	1.9E+01	8.6E-04	1.0E-03	1.7E-05	1.6E-01	5.5E-01	1.5E-06
554	1.33	1.3E-06	1.7E+01	8.6E-04	1.0E-03	1.5E-05	1.6E-01	5.5E-01	1.3E-06
555	1.19	1.2E-06	1.5E+01	8.6E-04	1.0E-03	1.4E-05	1.6E-01	5.5E-01	1.2E-06
556	1.05	1.0E-06	1.3E+01	8.6E-04	1.0E-03	1.2E-05	1.6E-01	5.5E-01	1.0E-06
557	0.21	2.1E-07	2.7E+00	8.6E-04	1.0E-03	2.4E-06	1.6E-01	5.5E-01	2.1E-07
558	0.24	2.4E-07	3.1E+00	8.6E-04	1.0E-03	2.8E-06	1.6E-01	5.5E-01	2.4E-07
559	0.28	2.8E-07	3.5E+00	8.6E-04	1.0E-03	3.2E-06	1.6E-01	5.5E-01	2.7E-07
560	0.32	3.2E-07	4.1E+00	8.6E-04	1.0E-03	3.7E-06	1.6E-01	5.5E-01	3.2E-07
561	0.38	3.8E-07	4.8E+00	8.6E-04	1.0E-03	4.4E-06	1.6E-01	5.5E-01	3.8E-07
562	3.00	3.0E-06	3.9E+01	8.6E-04	1.0E-03	3.5E-05	1.6E-01	5.5E-01	3.0E-06
563	2.83	2.8E-06	3.6E+01	8.6E-04	1.0E-03	3.3E-05	1.6E-01	5.5E-01	2.8E-06
564	2.51	2.5E-06	3.2E+01	8.6E-04	1.0E-03	2.9E-05	1.6E-01	5.5E-01	2.5E-06
565	2.04	2.0E-06	2.6E+01	8.6E-04	1.0E-03	2.4E-05	1.6E-01	5.5E-01	2.0E-06
566	1.78	1.8E-06	2.3E+01	8.6E-04	1.0E-03	2.1E-05	1.6E-01	5.5E-01	1.8E-06
567	1.56	1.6E-06	2.0E+01	8.6E-04	1.0E-03	1.8E-05	1.6E-01	5.5E-01	1.6E-06
568	1.37	1.4E-06	1.8E+01	8.6E-04	1.0E-03	1.6E-05	1.6E-01	5.5E-01	1.4E-06
569	1.20	1.2E-06	1.5E+01	8.6E-04	1.0E-03	1.4E-05	1.6E-01	5.5E-01	1.2E-06
570	1.07	1.1E-06	1.4E+01	8.6E-04	1.0E-03	1.2E-05	1.6E-01	5.5E-01	1.1E-06
571	0.22	2.2E-07	2.8E+00	8.6E-04	1.0E-03	2.5E-06	1.6E-01	5.5E-01	2.2E-07
572	0.25	2.5E-07	3.2E+00	8.6E-04	1.0E-03	2.9E-06	1.6E-01	5.5E-01	2.5E-07
573	0.29	2.9E-07	3.7E+00	8.6E-04	1.0E-03	3.4E-06	1.6E-01	5.5E-01	2.9E-07
574	0.35	3.5E-07	4.4E+00	8.6E-04	1.0E-03	4.0E-06	1.6E-01	5.5E-01	3.4E-07
575	0.41	4.1E-07	5.2E+00	8.6E-04	1.0E-03	4.7E-06	1.6E-01	5.5E-01	4.1E-07
576	3.80	3.8E-06	4.9E+01	8.6E-04	1.0E-03	4.4E-05	1.6E-01	5.5E-01	3.8E-06
577	3.23	3.2E-06	4.2E+01	8.6E-04	1.0E-03	3.8E-05	1.6E-01	5.5E-01	3.2E-06
578	2.61	2.6E-06	3.3E+01	8.6E-04	1.0E-03	3.0E-05	1.6E-01	5.5E-01	2.6E-06
579	2.19	2.2E-06	2.8E+01	8.6E-04	1.0E-03	2.5E-05	1.6E-01	5.5E-01	2.2E-06
580	1.83	1.8E-06	2.4E+01	8.6E-04	1.0E-03	2.1E-05	1.6E-01	5.5E-01	1.8E-06
581	1.52	1.5E-06	1.9E+01	8.6E-04	1.0E-03	1.8E-05	1.6E-01	5.5E-01	1.5E-06
582	1.28	1.3E-06	1.6E+01	8.6E-04	1.0E-03	1.5E-05	1.6E-01	5.5E-01	1.3E-06
583	1.08	1.1E-06	1.4E+01	8.6E-04	1.0E-03	1.3E-05	1.6E-01	5.5E-01	1.1E-06
584	0.23	2.3E-07	2.9E+00	8.6E-04	1.0E-03	2.6E-06	1.6E-01	5.5E-01	2.3E-07
585	0.26	2.6E-07	3.4E+00	8.6E-04	1.0E-03	3.0E-06	1.6E-01	5.5E-01	2.6E-07
586	0.31	3.1E-07	3.9E+00	8.6E-04	1.0E-03	3.5E-06	1.6E-01	5.5E-01	3.0E-07
587	0.36	3.6E-07	4.6E+00	8.6E-04	1.0E-03	4.2E-06	1.6E-01	5.5E-01	3.6E-07
588	0.43	4.3E-07	5.5E+00	8.6E-04	1.0E-03	5.0E-06	1.6E-01	5.5E-01	4.3E-07
589	4.26	4.3E-06	5.5E+01	8.6E-04	1.0E-03	4.9E-05	1.6E-01	5.5E-01	4.3E-06
590	3.45	3.5E-06	4.4E+01	8.6E-04	1.0E-03	4.0E-05	1.6E-01	5.5E-01	3.4E-06
591	2.77	2.8E-06	3.6E+01	8.6E-04	1.0E-03	3.2E-05	1.6E-01	5.5E-01	2.8E-06

592	2.18	2.2E-06	2.8E+01	8.6E-04	1.0E-03	2.5E-05	1.6E-01	5.5E-01	2.2E-06
593	1.76	1.8E-06	2.3E+01	8.6E-04	1.0E-03	2.0E-05	1.6E-01	5.5E-01	1.8E-06
594	1.43	1.4E-06	1.8E+01	8.6E-04	1.0E-03	1.7E-05	1.6E-01	5.5E-01	1.4E-06
595	1.16	1.2E-06	1.5E+01	8.6E-04	1.0E-03	1.3E-05	1.6E-01	5.5E-01	1.2E-06
596	0.23	2.3E-07	3.0E+00	8.6E-04	1.0E-03	2.7E-06	1.6E-01	5.5E-01	2.3E-07
597	0.27	2.7E-07	3.5E+00	8.6E-04	1.0E-03	3.1E-06	1.6E-01	5.5E-01	2.7E-07
598	0.32	3.2E-07	4.0E+00	8.6E-04	1.0E-03	3.6E-06	1.6E-01	5.5E-01	3.1E-07
599	0.38	3.8E-07	4.8E+00	8.6E-04	1.0E-03	4.3E-06	1.6E-01	5.5E-01	3.7E-07
600	0.45	4.5E-07	5.8E+00	8.6E-04	1.0E-03	5.2E-06	1.6E-01	5.5E-01	4.5E-07
601	4.00	4.0E-06	5.1E+01	8.6E-04	1.0E-03	4.6E-05	1.6E-01	5.5E-01	4.0E-06
602	3.05	3.0E-06	3.9E+01	8.6E-04	1.0E-03	3.5E-05	1.6E-01	5.5E-01	3.0E-06
603	2.34	2.3E-06	3.0E+01	8.6E-04	1.0E-03	2.7E-05	1.6E-01	5.5E-01	2.3E-06
604	1.86	1.9E-06	2.4E+01	8.6E-04	1.0E-03	2.2E-05	1.6E-01	5.5E-01	1.9E-06
605	1.50	1.5E-06	1.9E+01	8.6E-04	1.0E-03	1.7E-05	1.6E-01	5.5E-01	1.5E-06
606	1.21	1.2E-06	1.5E+01	8.6E-04	1.0E-03	1.4E-05	1.6E-01	5.5E-01	1.2E-06
607	0.24	2.4E-07	3.0E+00	8.6E-04	1.0E-03	2.7E-06	1.6E-01	5.5E-01	2.4E-07
608	0.28	2.8E-07	3.5E+00	8.6E-04	1.0E-03	3.2E-06	1.6E-01	5.5E-01	2.7E-07
609	0.32	3.2E-07	4.1E+00	8.6E-04	1.0E-03	3.7E-06	1.6E-01	5.5E-01	3.2E-07
610	0.38	3.8E-07	4.9E+00	8.6E-04	1.0E-03	4.4E-06	1.6E-01	5.5E-01	3.8E-07
611	0.47	4.7E-07	6.0E+00	8.6E-04	1.0E-03	5.4E-06	1.6E-01	5.5E-01	4.6E-07
612	4.35	4.4E-06	5.6E+01	8.6E-04	1.0E-03	5.1E-05	1.6E-01	5.5E-01	4.3E-06
613	3.18	3.2E-06	4.1E+01	8.6E-04	1.0E-03	3.7E-05	1.6E-01	5.5E-01	3.2E-06
614	2.39	2.4E-06	3.1E+01	8.6E-04	1.0E-03	2.8E-05	1.6E-01	5.5E-01	2.4E-06
615	1.87	1.9E-06	2.4E+01	8.6E-04	1.0E-03	2.2E-05	1.6E-01	5.5E-01	1.9E-06
616	1.49	1.5E-06	1.9E+01	8.6E-04	1.0E-03	1.7E-05	1.6E-01	5.5E-01	1.5E-06
617	1.19	1.2E-06	1.5E+01	8.6E-04	1.0E-03	1.4E-05	1.6E-01	5.5E-01	1.2E-06
618	0.24	2.4E-07	3.0E+00	8.6E-04	1.0E-03	2.7E-06	1.6E-01	5.5E-01	2.4E-07
619	0.28	2.8E-07	3.5E+00	8.6E-04	1.0E-03	3.2E-06	1.6E-01	5.5E-01	2.7E-07
620	0.32	3.2E-07	4.2E+00	8.6E-04	1.0E-03	3.7E-06	1.6E-01	5.5E-01	3.2E-07
621	0.39	3.9E-07	4.9E+00	8.6E-04	1.0E-03	4.4E-06	1.6E-01	5.5E-01	3.8E-07
622	0.47	4.7E-07	6.0E+00	8.6E-04	1.0E-03	5.4E-06	1.6E-01	5.5E-01	4.7E-07
623	4.31	4.3E-06	5.5E+01	8.6E-04	1.0E-03	5.0E-05	1.6E-01	5.5E-01	4.3E-06
624	3.08	3.1E-06	4.0E+01	8.6E-04	1.0E-03	3.6E-05	1.6E-01	5.5E-01	3.1E-06
625	2.30	2.3E-06	3.0E+01	8.6E-04	1.0E-03	2.7E-05	1.6E-01	5.5E-01	2.3E-06
626	1.79	1.8E-06	2.3E+01	8.6E-04	1.0E-03	2.1E-05	1.6E-01	5.5E-01	1.8E-06
627	1.44	1.4E-06	1.8E+01	8.6E-04	1.0E-03	1.7E-05	1.6E-01	5.5E-01	1.4E-06
628	1.16	1.2E-06	1.5E+01	8.6E-04	1.0E-03	1.3E-05	1.6E-01	5.5E-01	1.2E-06
629	0.24	2.4E-07	3.0E+00	8.6E-04	1.0E-03	2.7E-06	1.6E-01	5.5E-01	2.4E-07
630	0.27	2.7E-07	3.5E+00	8.6E-04	1.0E-03	3.2E-06	1.6E-01	5.5E-01	2.7E-07
631	0.32	3.2E-07	4.1E+00	8.6E-04	1.0E-03	3.7E-06	1.6E-01	5.5E-01	3.2E-07
632	0.38	3.8E-07	4.9E+00	8.6E-04	1.0E-03	4.4E-06	1.6E-01	5.5E-01	3.8E-07
633	0.46	4.6E-07	5.9E+00	8.6E-04	1.0E-03	5.3E-06	1.6E-01	5.5E-01	4.6E-07
634	3.80	3.8E-06	4.9E+01	8.6E-04	1.0E-03	4.4E-05	1.6E-01	5.5E-01	3.8E-06
635	2.77	2.8E-06	3.6E+01	8.6E-04	1.0E-03	3.2E-05	1.6E-01	5.5E-01	2.8E-06
636	2.10	2.1E-06	2.7E+01	8.6E-04	1.0E-03	2.4E-05	1.6E-01	5.5E-01	2.1E-06
637	1.65	1.7E-06	2.1E+01	8.6E-04	1.0E-03	1.9E-05	1.6E-01	5.5E-01	1.7E-06

638	1.34	1.3E-06	1.7E+01	8.6E-04	1.0E-03	1.5E-05	1.6E-01	5.5E-01	1.3E-06
639	1.10	1.1E-06	1.4E+01	8.6E-04	1.0E-03	1.3E-05	1.6E-01	5.5E-01	1.1E-06
640	0.23	2.3E-07	3.0E+00	8.6E-04	1.0E-03	2.7E-06	1.6E-01	5.5E-01	2.3E-07
641	0.27	2.7E-07	3.4E+00	8.6E-04	1.0E-03	3.1E-06	1.6E-01	5.5E-01	2.7E-07
642	0.32	3.2E-07	4.0E+00	8.6E-04	1.0E-03	3.6E-06	1.6E-01	5.5E-01	3.1E-07
643	0.37	3.7E-07	4.8E+00	8.6E-04	1.0E-03	4.3E-06	1.6E-01	5.5E-01	3.7E-07
644	0.45	4.5E-07	5.8E+00	8.6E-04	1.0E-03	5.2E-06	1.6E-01	5.5E-01	4.5E-07
645	3.09	3.1E-06	4.0E+01	8.6E-04	1.0E-03	3.6E-05	1.6E-01	5.5E-01	3.1E-06
646	2.36	2.4E-06	3.0E+01	8.6E-04	1.0E-03	2.7E-05	1.6E-01	5.5E-01	2.4E-06
647	1.85	1.9E-06	2.4E+01	8.6E-04	1.0E-03	2.1E-05	1.6E-01	5.5E-01	1.8E-06
648	1.49	1.5E-06	1.9E+01	8.6E-04	1.0E-03	1.7E-05	1.6E-01	5.5E-01	1.5E-06
649	1.22	1.2E-06	1.6E+01	8.6E-04	1.0E-03	1.4E-05	1.6E-01	5.5E-01	1.2E-06
650	1.01	1.0E-06	1.3E+01	8.6E-04	1.0E-03	1.2E-05	1.6E-01	5.5E-01	1.0E-06
651	0.23	2.3E-07	2.9E+00	8.6E-04	1.0E-03	2.6E-06	1.6E-01	5.5E-01	2.3E-07
652	0.26	2.6E-07	3.4E+00	8.6E-04	1.0E-03	3.0E-06	1.6E-01	5.5E-01	2.6E-07
653	0.31	3.1E-07	3.9E+00	8.6E-04	1.0E-03	3.6E-06	1.6E-01	5.5E-01	3.1E-07
654	0.36	3.6E-07	4.7E+00	8.6E-04	1.0E-03	4.2E-06	1.6E-01	5.5E-01	3.6E-07
655	0.44	4.4E-07	5.6E+00	8.6E-04	1.0E-03	5.0E-06	1.6E-01	5.5E-01	4.3E-07
656	0.53	5.3E-07	6.8E+00	8.6E-04	1.0E-03	6.1E-06	1.6E-01	5.5E-01	5.3E-07
657	0.66	6.6E-07	8.5E+00	8.6E-04	1.0E-03	7.7E-06	1.6E-01	5.5E-01	6.6E-07
658	0.86	8.6E-07	1.1E+01	8.6E-04	1.0E-03	9.9E-06	1.6E-01	5.5E-01	8.6E-07
659	1.14	1.1E-06	1.5E+01	8.6E-04	1.0E-03	1.3E-05	1.6E-01	5.5E-01	1.1E-06
660	1.58	1.6E-06	2.0E+01	8.6E-04	1.0E-03	1.8E-05	1.6E-01	5.5E-01	1.6E-06
661	2.20	2.2E-06	2.8E+01	8.6E-04	1.0E-03	2.6E-05	1.6E-01	5.5E-01	2.2E-06
662	3.02	3.0E-06	3.9E+01	8.6E-04	1.0E-03	3.5E-05	1.6E-01	5.5E-01	3.0E-06
663	3.91	3.9E-06	5.0E+01	8.6E-04	1.0E-03	4.5E-05	1.6E-01	5.5E-01	3.9E-06
664	4.70	4.7E-06	6.0E+01	8.6E-04	1.0E-03	5.5E-05	1.6E-01	5.5E-01	4.7E-06
665	5.17	5.2E-06	6.6E+01	8.6E-04	1.0E-03	6.0E-05	1.6E-01	5.5E-01	5.2E-06
666	5.31	5.3E-06	6.8E+01	8.6E-04	1.0E-03	6.2E-05	1.6E-01	5.5E-01	5.3E-06
667	5.12	5.1E-06	6.6E+01	8.6E-04	1.0E-03	5.9E-05	1.6E-01	5.5E-01	5.1E-06
668	4.64	4.6E-06	6.0E+01	8.6E-04	1.0E-03	5.4E-05	1.6E-01	5.5E-01	4.6E-06
669	3.89	3.9E-06	5.0E+01	8.6E-04	1.0E-03	4.5E-05	1.6E-01	5.5E-01	3.9E-06
670	3.10	3.1E-06	4.0E+01	8.6E-04	1.0E-03	3.6E-05	1.6E-01	5.5E-01	3.1E-06
671	2.45	2.4E-06	3.1E+01	8.6E-04	1.0E-03	2.8E-05	1.6E-01	5.5E-01	2.4E-06
672	1.96	2.0E-06	2.5E+01	8.6E-04	1.0E-03	2.3E-05	1.6E-01	5.5E-01	2.0E-06
673	1.59	1.6E-06	2.0E+01	8.6E-04	1.0E-03	1.8E-05	1.6E-01	5.5E-01	1.6E-06
674	1.31	1.3E-06	1.7E+01	8.6E-04	1.0E-03	1.5E-05	1.6E-01	5.5E-01	1.3E-06
675	1.09	1.1E-06	1.4E+01	8.6E-04	1.0E-03	1.3E-05	1.6E-01	5.5E-01	1.1E-06
676	0.92	9.2E-07	1.2E+01	8.6E-04	1.0E-03	1.1E-05	1.6E-01	5.5E-01	9.2E-07
677	0.22	2.2E-07	2.8E+00	8.6E-04	1.0E-03	2.6E-06	1.6E-01	5.5E-01	2.2E-07
678	0.25	2.5E-07	3.2E+00	8.6E-04	1.0E-03	2.9E-06	1.6E-01	5.5E-01	2.5E-07
679	0.29	2.9E-07	3.8E+00	8.6E-04	1.0E-03	3.4E-06	1.6E-01	5.5E-01	2.9E-07
680	0.34	3.4E-07	4.4E+00	8.6E-04	1.0E-03	4.0E-06	1.6E-01	5.5E-01	3.4E-07
681	0.41	4.1E-07	5.2E+00	8.6E-04	1.0E-03	4.7E-06	1.6E-01	5.5E-01	4.1E-07
682	0.49	4.9E-07	6.3E+00	8.6E-04	1.0E-03	5.7E-06	1.6E-01	5.5E-01	4.9E-07
683	0.61	6.1E-07	7.8E+00	8.6E-04	1.0E-03	7.0E-06	1.6E-01	5.5E-01	6.0E-07

684	0.77	7.7E-07	9.8E+00	8.6E-04	1.0E-03	8.9E-06	1.6E-01	5.5E-01	7.7E-07
685	0.99	9.9E-07	1.3E+01	8.6E-04	1.0E-03	1.1E-05	1.6E-01	5.5E-01	9.9E-07
686	1.29	1.3E-06	1.7E+01	8.6E-04	1.0E-03	1.5E-05	1.6E-01	5.5E-01	1.3E-06
687	1.70	1.7E-06	2.2E+01	8.6E-04	1.0E-03	2.0E-05	1.6E-01	5.5E-01	1.7E-06
688	2.19	2.2E-06	2.8E+01	8.6E-04	1.0E-03	2.5E-05	1.6E-01	5.5E-01	2.2E-06
689	2.69	2.7E-06	3.5E+01	8.6E-04	1.0E-03	3.1E-05	1.6E-01	5.5E-01	2.7E-06
690	3.12	3.1E-06	4.0E+01	8.6E-04	1.0E-03	3.6E-05	1.6E-01	5.5E-01	3.1E-06
691	3.40	3.4E-06	4.4E+01	8.6E-04	1.0E-03	3.9E-05	1.6E-01	5.5E-01	3.4E-06
692	3.51	3.5E-06	4.5E+01	8.6E-04	1.0E-03	4.1E-05	1.6E-01	5.5E-01	3.5E-06
693	3.42	3.4E-06	4.4E+01	8.6E-04	1.0E-03	4.0E-05	1.6E-01	5.5E-01	3.4E-06
694	3.17	3.2E-06	4.1E+01	8.6E-04	1.0E-03	3.7E-05	1.6E-01	5.5E-01	3.2E-06
695	2.78	2.8E-06	3.6E+01	8.6E-04	1.0E-03	3.2E-05	1.6E-01	5.5E-01	2.8E-06
696	2.35	2.4E-06	3.0E+01	8.6E-04	1.0E-03	2.7E-05	1.6E-01	5.5E-01	2.4E-06
697	1.95	2.0E-06	2.5E+01	8.6E-04	1.0E-03	2.3E-05	1.6E-01	5.5E-01	1.9E-06
698	1.63	1.6E-06	2.1E+01	8.6E-04	1.0E-03	1.9E-05	1.6E-01	5.5E-01	1.6E-06
699	1.36	1.4E-06	1.7E+01	8.6E-04	1.0E-03	1.6E-05	1.6E-01	5.5E-01	1.4E-06
700	1.14	1.1E-06	1.5E+01	8.6E-04	1.0E-03	1.3E-05	1.6E-01	5.5E-01	1.1E-06
701	0.97	9.7E-07	1.2E+01	8.6E-04	1.0E-03	1.1E-05	1.6E-01	5.5E-01	9.7E-07
702	0.83	8.3E-07	1.1E+01	8.6E-04	1.0E-03	9.6E-06	1.6E-01	5.5E-01	8.3E-07
703	0.21	2.1E-07	2.7E+00	8.6E-04	1.0E-03	2.5E-06	1.6E-01	5.5E-01	2.1E-07
704	0.24	2.4E-07	3.1E+00	8.6E-04	1.0E-03	2.8E-06	1.6E-01	5.5E-01	2.4E-07
705	0.28	2.8E-07	3.6E+00	8.6E-04	1.0E-03	3.2E-06	1.6E-01	5.5E-01	2.8E-07
706	0.32	3.2E-07	4.1E+00	8.6E-04	1.0E-03	3.7E-06	1.6E-01	5.5E-01	3.2E-07
707	0.38	3.8E-07	4.9E+00	8.6E-04	1.0E-03	4.4E-06	1.6E-01	5.5E-01	3.8E-07
708	0.46	4.6E-07	5.9E+00	8.6E-04	1.0E-03	5.3E-06	1.6E-01	5.5E-01	4.6E-07
709	0.55	5.5E-07	7.1E+00	8.6E-04	1.0E-03	6.4E-06	1.6E-01	5.5E-01	5.5E-07
710	0.69	6.9E-07	8.8E+00	8.6E-04	1.0E-03	8.0E-06	1.6E-01	5.5E-01	6.9E-07
711	0.85	8.5E-07	1.1E+01	8.6E-04	1.0E-03	9.9E-06	1.6E-01	5.5E-01	8.5E-07
712	1.07	1.1E-06	1.4E+01	8.6E-04	1.0E-03	1.2E-05	1.6E-01	5.5E-01	1.1E-06
713	1.33	1.3E-06	1.7E+01	8.6E-04	1.0E-03	1.5E-05	1.6E-01	5.5E-01	1.3E-06
714	1.65	1.6E-06	2.1E+01	8.6E-04	1.0E-03	1.9E-05	1.6E-01	5.5E-01	1.6E-06
715	1.95	1.9E-06	2.5E+01	8.6E-04	1.0E-03	2.3E-05	1.6E-01	5.5E-01	1.9E-06
716	2.20	2.2E-06	2.8E+01	8.6E-04	1.0E-03	2.6E-05	1.6E-01	5.5E-01	2.2E-06
717	2.38	2.4E-06	3.1E+01	8.6E-04	1.0E-03	2.8E-05	1.6E-01	5.5E-01	2.4E-06
718	2.46	2.5E-06	3.2E+01	8.6E-04	1.0E-03	2.9E-05	1.6E-01	5.5E-01	2.5E-06
719	2.43	2.4E-06	3.1E+01	8.6E-04	1.0E-03	2.8E-05	1.6E-01	5.5E-01	2.4E-06
720	2.30	2.3E-06	3.0E+01	8.6E-04	1.0E-03	2.7E-05	1.6E-01	5.5E-01	2.3E-06
721	2.09	2.1E-06	2.7E+01	8.6E-04	1.0E-03	2.4E-05	1.6E-01	5.5E-01	2.1E-06
722	1.83	1.8E-06	2.4E+01	8.6E-04	1.0E-03	2.1E-05	1.6E-01	5.5E-01	1.8E-06
723	1.58	1.6E-06	2.0E+01	8.6E-04	1.0E-03	1.8E-05	1.6E-01	5.5E-01	1.6E-06
724	1.36	1.4E-06	1.7E+01	8.6E-04	1.0E-03	1.6E-05	1.6E-01	5.5E-01	1.4E-06
725	1.16	1.2E-06	1.5E+01	8.6E-04	1.0E-03	1.4E-05	1.6E-01	5.5E-01	1.2E-06
726	1.00	1.0E-06	1.3E+01	8.6E-04	1.0E-03	1.2E-05	1.6E-01	5.5E-01	1.0E-06
727	0.86	8.6E-07	1.1E+01	8.6E-04	1.0E-03	1.0E-05	1.6E-01	5.5E-01	8.6E-07
728	0.75	7.5E-07	9.6E+00	8.6E-04	1.0E-03	8.7E-06	1.6E-01	5.5E-01	7.5E-07
729	0.20	2.0E-07	2.6E+00	8.6E-04	1.0E-03	2.4E-06	1.6E-01	5.5E-01	2.0E-07

730	0.23	2.3E-07	3.0E+00	8.6E-04	1.0E-03	2.7E-06	1.6E-01	5.5E-01	2.3E-07
731	0.26	2.6E-07	3.4E+00	8.6E-04	1.0E-03	3.1E-06	1.6E-01	5.5E-01	2.6E-07
732	0.31	3.1E-07	3.9E+00	8.6E-04	1.0E-03	3.5E-06	1.6E-01	5.5E-01	3.0E-07
733	0.36	3.6E-07	4.5E+00	8.6E-04	1.0E-03	4.1E-06	1.6E-01	5.5E-01	3.5E-07
734	0.42	4.2E-07	5.4E+00	8.6E-04	1.0E-03	4.9E-06	1.6E-01	5.5E-01	4.2E-07
735	0.50	5.0E-07	6.4E+00	8.6E-04	1.0E-03	5.8E-06	1.6E-01	5.5E-01	5.0E-07
736	0.61	6.1E-07	7.8E+00	8.6E-04	1.0E-03	7.1E-06	1.6E-01	5.5E-01	6.1E-07
737	0.73	7.3E-07	9.4E+00	8.6E-04	1.0E-03	8.5E-06	1.6E-01	5.5E-01	7.3E-07
738	0.89	8.9E-07	1.1E+01	8.6E-04	1.0E-03	1.0E-05	1.6E-01	5.5E-01	8.9E-07
739	1.07	1.1E-06	1.4E+01	8.6E-04	1.0E-03	1.2E-05	1.6E-01	5.5E-01	1.1E-06
740	1.27	1.3E-06	1.6E+01	8.6E-04	1.0E-03	1.5E-05	1.6E-01	5.5E-01	1.3E-06
741	1.47	1.5E-06	1.9E+01	8.6E-04	1.0E-03	1.7E-05	1.6E-01	5.5E-01	1.5E-06
742	1.63	1.6E-06	2.1E+01	8.6E-04	1.0E-03	1.9E-05	1.6E-01	5.5E-01	1.6E-06
743	1.75	1.7E-06	2.2E+01	8.6E-04	1.0E-03	2.0E-05	1.6E-01	5.5E-01	1.7E-06
744	1.81	1.8E-06	2.3E+01	8.6E-04	1.0E-03	2.1E-05	1.6E-01	5.5E-01	1.8E-06
745	1.81	1.8E-06	2.3E+01	8.6E-04	1.0E-03	2.1E-05	1.6E-01	5.5E-01	1.8E-06
746	1.75	1.7E-06	2.2E+01	8.6E-04	1.0E-03	2.0E-05	1.6E-01	5.5E-01	1.7E-06
747	1.62	1.6E-06	2.1E+01	8.6E-04	1.0E-03	1.9E-05	1.6E-01	5.5E-01	1.6E-06
748	1.46	1.5E-06	1.9E+01	8.6E-04	1.0E-03	1.7E-05	1.6E-01	5.5E-01	1.5E-06
749	1.30	1.3E-06	1.7E+01	8.6E-04	1.0E-03	1.5E-05	1.6E-01	5.5E-01	1.3E-06
750	1.14	1.1E-06	1.5E+01	8.6E-04	1.0E-03	1.3E-05	1.6E-01	5.5E-01	1.1E-06
751	1.00	1.0E-06	1.3E+01	8.6E-04	1.0E-03	1.2E-05	1.6E-01	5.5E-01	1.0E-06
752	0.87	8.7E-07	1.1E+01	8.6E-04	1.0E-03	1.0E-05	1.6E-01	5.5E-01	8.7E-07
753	0.77	7.7E-07	9.8E+00	8.6E-04	1.0E-03	8.9E-06	1.6E-01	5.5E-01	7.6E-07
754	0.67	6.7E-07	8.7E+00	8.6E-04	1.0E-03	7.8E-06	1.6E-01	5.5E-01	6.7E-07
755	0.19	1.9E-07	2.5E+00	8.6E-04	1.0E-03	2.2E-06	1.6E-01	5.5E-01	1.9E-07
756	0.22	2.2E-07	2.8E+00	8.6E-04	1.0E-03	2.5E-06	1.6E-01	5.5E-01	2.2E-07
757	0.25	2.5E-07	3.2E+00	8.6E-04	1.0E-03	2.9E-06	1.6E-01	5.5E-01	2.5E-07
758	0.28	2.8E-07	3.6E+00	8.6E-04	1.0E-03	3.3E-06	1.6E-01	5.5E-01	2.8E-07
759	0.33	3.3E-07	4.2E+00	8.6E-04	1.0E-03	3.8E-06	1.6E-01	5.5E-01	3.3E-07
760	0.38	3.8E-07	4.9E+00	8.6E-04	1.0E-03	4.4E-06	1.6E-01	5.5E-01	3.8E-07
761	0.45	4.5E-07	5.8E+00	8.6E-04	1.0E-03	5.2E-06	1.6E-01	5.5E-01	4.5E-07
762	0.54	5.4E-07	6.9E+00	8.6E-04	1.0E-03	6.2E-06	1.6E-01	5.5E-01	5.4E-07
763	0.63	6.3E-07	8.1E+00	8.6E-04	1.0E-03	7.3E-06	1.6E-01	5.5E-01	6.3E-07
764	0.75	7.5E-07	9.6E+00	8.6E-04	1.0E-03	8.7E-06	1.6E-01	5.5E-01	7.5E-07
765	0.87	8.7E-07	1.1E+01	8.6E-04	1.0E-03	1.0E-05	1.6E-01	5.5E-01	8.7E-07
766	1.01	1.0E-06	1.3E+01	8.6E-04	1.0E-03	1.2E-05	1.6E-01	5.5E-01	1.0E-06
767	1.15	1.1E-06	1.5E+01	8.6E-04	1.0E-03	1.3E-05	1.6E-01	5.5E-01	1.1E-06
768	1.26	1.3E-06	1.6E+01	8.6E-04	1.0E-03	1.5E-05	1.6E-01	5.5E-01	1.3E-06
769	1.34	1.3E-06	1.7E+01	8.6E-04	1.0E-03	1.6E-05	1.6E-01	5.5E-01	1.3E-06
770	1.40	1.4E-06	1.8E+01	8.6E-04	1.0E-03	1.6E-05	1.6E-01	5.5E-01	1.4E-06
771	1.41	1.4E-06	1.8E+01	8.6E-04	1.0E-03	1.6E-05	1.6E-01	5.5E-01	1.4E-06
772	1.38	1.4E-06	1.8E+01	8.6E-04	1.0E-03	1.6E-05	1.6E-01	5.5E-01	1.4E-06
773	1.31	1.3E-06	1.7E+01	8.6E-04	1.0E-03	1.5E-05	1.6E-01	5.5E-01	1.3E-06
774	1.19	1.2E-06	1.5E+01	8.6E-04	1.0E-03	1.4E-05	1.6E-01	5.5E-01	1.2E-06
775	1.08	1.1E-06	1.4E+01	8.6E-04	1.0E-03	1.3E-05	1.6E-01	5.5E-01	1.1E-06

776	0.97	9.7E-07	1.2E+01	8.6E-04	1.0E-03	1.1E-05	1.6E-01	5.5E-01	9.7E-07
777	0.87	8.7E-07	1.1E+01	8.6E-04	1.0E-03	1.0E-05	1.6E-01	5.5E-01	8.6E-07
778	0.77	7.7E-07	9.9E+00	8.6E-04	1.0E-03	8.9E-06	1.6E-01	5.5E-01	7.7E-07
779	0.68	6.8E-07	8.8E+00	8.6E-04	1.0E-03	7.9E-06	1.6E-01	5.5E-01	6.8E-07
780	0.61	6.1E-07	7.8E+00	8.6E-04	1.0E-03	7.1E-06	1.6E-01	5.5E-01	6.1E-07
781	0.19	1.9E-07	2.4E+00	8.6E-04	1.0E-03	2.1E-06	1.6E-01	5.5E-01	1.8E-07
782	0.21	2.1E-07	2.6E+00	8.6E-04	1.0E-03	2.4E-06	1.6E-01	5.5E-01	2.1E-07
783	0.23	2.3E-07	3.0E+00	8.6E-04	1.0E-03	2.7E-06	1.6E-01	5.5E-01	2.3E-07
784	0.27	2.7E-07	3.4E+00	8.6E-04	1.0E-03	3.1E-06	1.6E-01	5.5E-01	2.6E-07
785	0.30	3.0E-07	3.9E+00	8.6E-04	1.0E-03	3.5E-06	1.6E-01	5.5E-01	3.0E-07
786	0.35	3.5E-07	4.5E+00	8.6E-04	1.0E-03	4.1E-06	1.6E-01	5.5E-01	3.5E-07
787	0.41	4.1E-07	5.2E+00	8.6E-04	1.0E-03	4.7E-06	1.6E-01	5.5E-01	4.1E-07
788	0.48	4.8E-07	6.1E+00	8.6E-04	1.0E-03	5.5E-06	1.6E-01	5.5E-01	4.7E-07
789	0.55	5.5E-07	7.0E+00	8.6E-04	1.0E-03	6.4E-06	1.6E-01	5.5E-01	5.5E-07
790	0.63	6.3E-07	8.1E+00	8.6E-04	1.0E-03	7.3E-06	1.6E-01	5.5E-01	6.3E-07
791	0.73	7.3E-07	9.3E+00	8.6E-04	1.0E-03	8.4E-06	1.6E-01	5.5E-01	7.2E-07
792	0.82	8.2E-07	1.1E+01	8.6E-04	1.0E-03	9.6E-06	1.6E-01	5.5E-01	8.2E-07
793	0.92	9.2E-07	1.2E+01	8.6E-04	1.0E-03	1.1E-05	1.6E-01	5.5E-01	9.2E-07
794	1.00	1.0E-06	1.3E+01	8.6E-04	1.0E-03	1.2E-05	1.6E-01	5.5E-01	1.0E-06
795	1.06	1.1E-06	1.4E+01	8.6E-04	1.0E-03	1.2E-05	1.6E-01	5.5E-01	1.1E-06
796	1.11	1.1E-06	1.4E+01	8.6E-04	1.0E-03	1.3E-05	1.6E-01	5.5E-01	1.1E-06
797	1.13	1.1E-06	1.5E+01	8.6E-04	1.0E-03	1.3E-05	1.6E-01	5.5E-01	1.1E-06
798	1.11	1.1E-06	1.4E+01	8.6E-04	1.0E-03	1.3E-05	1.6E-01	5.5E-01	1.1E-06
799	1.07	1.1E-06	1.4E+01	8.6E-04	1.0E-03	1.2E-05	1.6E-01	5.5E-01	1.1E-06
800	0.99	9.9E-07	1.3E+01	8.6E-04	1.0E-03	1.1E-05	1.6E-01	5.5E-01	9.9E-07
801	0.91	9.1E-07	1.2E+01	8.6E-04	1.0E-03	1.1E-05	1.6E-01	5.5E-01	9.1E-07
802	0.83	8.3E-07	1.1E+01	8.6E-04	1.0E-03	9.7E-06	1.6E-01	5.5E-01	8.3E-07
803	0.76	7.6E-07	9.7E+00	8.6E-04	1.0E-03	8.8E-06	1.6E-01	5.5E-01	7.6E-07
804	0.68	6.8E-07	8.8E+00	8.6E-04	1.0E-03	7.9E-06	1.6E-01	5.5E-01	6.8E-07
805	0.61	6.1E-07	7.9E+00	8.6E-04	1.0E-03	7.1E-06	1.6E-01	5.5E-01	6.1E-07
806	0.55	5.5E-07	7.1E+00	8.6E-04	1.0E-03	6.4E-06	1.6E-01	5.5E-01	5.5E-07

Franklin School Project

Risk From New Building Const - Mitigated Residential

Haul Route 1A							Haul Route 2A						
Conc	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
3.2E-01	8.0E-07	1.0E-03	2.7E-10	1.6E-01	5.5E-01	2.3E-11	3.4E-01	2.5E-06	1.0E-03	8.9E-10	1.6E-01	5.5E-01	7.6E-11
3.6E-01	8.0E-07	1.0E-03	3.0E-10	1.6E-01	5.5E-01	2.6E-11	3.9E-01	2.5E-06	1.0E-03	1.0E-09	1.6E-01	5.5E-01	8.8E-11
4.1E-01	8.0E-07	1.0E-03	3.4E-10	1.6E-01	5.5E-01	3.0E-11	4.5E-01	2.5E-06	1.0E-03	1.2E-09	1.6E-01	5.5E-01	1.0E-10
4.6E-01	8.0E-07	1.0E-03	3.8E-10	1.6E-01	5.5E-01	3.3E-11	5.2E-01	2.5E-06	1.0E-03	1.4E-09	1.6E-01	5.5E-01	1.2E-10
5.1E-01	8.0E-07	1.0E-03	4.2E-10	1.6E-01	5.5E-01	3.6E-11	5.8E-01	2.5E-06	1.0E-03	1.5E-09	1.6E-01	5.5E-01	1.3E-10
5.5E-01	8.0E-07	1.0E-03	4.6E-10	1.6E-01	5.5E-01	4.0E-11	6.5E-01	2.5E-06	1.0E-03	1.7E-09	1.6E-01	5.5E-01	1.5E-10
6.0E-01	8.0E-07	1.0E-03	4.9E-10	1.6E-01	5.5E-01	4.3E-11	7.1E-01	2.5E-06	1.0E-03	1.9E-09	1.6E-01	5.5E-01	1.6E-10
6.4E-01	8.0E-07	1.0E-03	5.3E-10	1.6E-01	5.5E-01	4.6E-11	7.7E-01	2.5E-06	1.0E-03	2.0E-09	1.6E-01	5.5E-01	1.7E-10
6.9E-01	8.0E-07	1.0E-03	5.8E-10	1.6E-01	5.5E-01	5.0E-11	8.4E-01	2.5E-06	1.0E-03	2.2E-09	1.6E-01	5.5E-01	1.9E-10
7.5E-01	8.0E-07	1.0E-03	6.3E-10	1.6E-01	5.5E-01	5.4E-11	9.2E-01	2.5E-06	1.0E-03	2.4E-09	1.6E-01	5.5E-01	2.1E-10
8.0E-01	8.0E-07	1.0E-03	6.7E-10	1.6E-01	5.5E-01	5.8E-11	9.9E-01	2.5E-06	1.0E-03	2.6E-09	1.6E-01	5.5E-01	2.2E-10
8.4E-01	8.0E-07	1.0E-03	7.0E-10	1.6E-01	5.5E-01	6.0E-11	1.0E+00	2.5E-06	1.0E-03	2.7E-09	1.6E-01	5.5E-01	2.3E-10
8.5E-01	8.0E-07	1.0E-03	7.1E-10	1.6E-01	5.5E-01	6.1E-11	1.0E+00	2.5E-06	1.0E-03	2.7E-09	1.6E-01	5.5E-01	2.4E-10
8.3E-01	8.0E-07	1.0E-03	6.9E-10	1.6E-01	5.5E-01	6.0E-11	1.0E+00	2.5E-06	1.0E-03	2.7E-09	1.6E-01	5.5E-01	2.3E-10
7.9E-01	8.0E-07	1.0E-03	6.6E-10	1.6E-01	5.5E-01	5.7E-11	9.5E-01	2.5E-06	1.0E-03	2.5E-09	1.6E-01	5.5E-01	2.2E-10
7.4E-01	8.0E-07	1.0E-03	6.2E-10	1.6E-01	5.5E-01	5.3E-11	8.8E-01	2.5E-06	1.0E-03	2.3E-09	1.6E-01	5.5E-01	2.0E-10
3.8E-01	8.0E-07	1.0E-03	3.1E-10	1.6E-01	5.5E-01	2.7E-11	3.9E-01	2.5E-06	1.0E-03	1.0E-09	1.6E-01	5.5E-01	8.9E-11
4.4E-01	8.0E-07	1.0E-03	3.6E-10	1.6E-01	5.5E-01	3.1E-11	4.7E-01	2.5E-06	1.0E-03	1.2E-09	1.6E-01	5.5E-01	1.1E-10
5.1E-01	8.0E-07	1.0E-03	4.2E-10	1.6E-01	5.5E-01	3.6E-11	5.5E-01	2.5E-06	1.0E-03	1.5E-09	1.6E-01	5.5E-01	1.3E-10
5.8E-01	8.0E-07	1.0E-03	4.8E-10	1.6E-01	5.5E-01	4.2E-11	6.5E-01	2.5E-06	1.0E-03	1.7E-09	1.6E-01	5.5E-01	1.5E-10
6.6E-01	8.0E-07	1.0E-03	5.5E-10	1.6E-01	5.5E-01	4.7E-11	7.6E-01	2.5E-06	1.0E-03	2.0E-09	1.6E-01	5.5E-01	1.7E-10
7.3E-01	8.0E-07	1.0E-03	6.1E-10	1.6E-01	5.5E-01	5.2E-11	8.7E-01	2.5E-06	1.0E-03	2.3E-09	1.6E-01	5.5E-01	2.0E-10
8.0E-01	8.0E-07	1.0E-03	6.6E-10	1.6E-01	5.5E-01	5.7E-11	9.7E-01	2.5E-06	1.0E-03	2.6E-09	1.6E-01	5.5E-01	2.2E-10
8.7E-01	8.0E-07	1.0E-03	7.3E-10	1.6E-01	5.5E-01	6.3E-11	1.1E+00	2.5E-06	1.0E-03	2.8E-09	1.6E-01	5.5E-01	2.4E-10
9.6E-01	8.0E-07	1.0E-03	8.0E-10	1.6E-01	5.5E-01	6.9E-11	1.2E+00	2.5E-06	1.0E-03	3.2E-09	1.6E-01	5.5E-01	2.7E-10
1.1E+00	8.0E-07	1.0E-03	8.7E-10	1.6E-01	5.5E-01	7.5E-11	1.3E+00	2.5E-06	1.0E-03	3.5E-09	1.6E-01	5.5E-01	3.0E-10
1.1E+00	8.0E-07	1.0E-03	9.2E-10	1.6E-01	5.5E-01	8.0E-11	1.4E+00	2.5E-06	1.0E-03	3.7E-09	1.6E-01	5.5E-01	3.2E-10
1.1E+00	8.0E-07	1.0E-03	9.4E-10	1.6E-01	5.5E-01	8.1E-11	1.4E+00	2.5E-06	1.0E-03	3.8E-09	1.6E-01	5.5E-01	3.2E-10
1.1E+00	8.0E-07	1.0E-03	9.2E-10	1.6E-01	5.5E-01	7.9E-11	1.4E+00	2.5E-06	1.0E-03	3.6E-09	1.6E-01	5.5E-01	3.1E-10
1.0E+00	8.0E-07	1.0E-03	8.7E-10	1.6E-01	5.5E-01	7.5E-11	1.3E+00	2.5E-06	1.0E-03	3.4E-09	1.6E-01	5.5E-01	2.9E-10
9.6E-01	8.0E-07	1.0E-03	8.0E-10	1.6E-01	5.5E-01	6.9E-11	1.2E+00	2.5E-06	1.0E-03	3.0E-09	1.6E-01	5.5E-01	2.6E-10
8.7E-01	8.0E-07	1.0E-03	7.2E-10	1.6E-01	5.5E-01	6.2E-11	1.0E+00	2.5E-06	1.0E-03	2.7E-09	1.6E-01	5.5E-01	2.3E-10
4.4E-01	8.0E-07	1.0E-03	3.7E-10	1.6E-01	5.5E-01	3.2E-11	4.5E-01	2.5E-06	1.0E-03	1.2E-09	1.6E-01	5.5E-01	1.0E-10
5.3E-01	8.0E-07	1.0E-03	4.4E-10	1.6E-01	5.5E-01	3.8E-11	5.6E-01	2.5E-06	1.0E-03	1.5E-09	1.6E-01	5.5E-01	1.3E-10
6.3E-01	8.0E-07	1.0E-03	5.3E-10	1.6E-01	5.5E-01	4.5E-11	6.9E-01	2.5E-06	1.0E-03	1.8E-09	1.6E-01	5.5E-01	1.6E-10
7.6E-01	8.0E-07	1.0E-03	6.3E-10	1.6E-01	5.5E-01	5.4E-11	8.5E-01	2.5E-06	1.0E-03	2.2E-09	1.6E-01	5.5E-01	1.9E-10
8.9E-01	8.0E-07	1.0E-03	7.4E-10	1.6E-01	5.5E-01	6.3E-11	1.0E+00	2.5E-06	1.0E-03	2.7E-09	1.6E-01	5.5E-01	2.4E-10
1.0E+00	8.0E-07	1.0E-03	8.4E-10	1.6E-01	5.5E-01	7.2E-11	1.2E+00	2.5E-06	1.0E-03	3.3E-09	1.6E-01	5.5E-01	2.8E-10
1.1E+00	8.0E-07	1.0E-03	9.4E-10	1.6E-01	5.5E-01	8.1E-11	1.4E+00	2.5E-06	1.0E-03	3.8E-09	1.6E-01	5.5E-01	3.2E-10

1.3E+00	8.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-01	9.1E-11	1.6E+00	2.5E-06	1.0E-03	4.3E-09	1.6E-01	5.5E-01	3.7E-10
1.4E+00	8.0E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-01	1.0E-10	1.9E+00	2.5E-06	1.0E-03	4.9E-09	1.6E-01	5.5E-01	4.2E-10
1.5E+00	8.0E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-01	1.1E-10	2.1E+00	2.5E-06	1.0E-03	5.4E-09	1.6E-01	5.5E-01	4.6E-10
1.6E+00	8.0E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-01	1.1E-10	2.1E+00	2.5E-06	1.0E-03	5.5E-09	1.6E-01	5.5E-01	4.7E-10
1.5E+00	8.0E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-01	1.1E-10	2.0E+00	2.5E-06	1.0E-03	5.2E-09	1.6E-01	5.5E-01	4.5E-10
1.4E+00	8.0E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-01	1.0E-10	1.8E+00	2.5E-06	1.0E-03	4.7E-09	1.6E-01	5.5E-01	4.1E-10
1.3E+00	8.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-01	9.2E-11	1.6E+00	2.5E-06	1.0E-03	4.1E-09	1.6E-01	5.5E-01	3.6E-10
1.1E+00	8.0E-07	1.0E-03	9.4E-10	1.6E-01	5.5E-01	8.1E-11	1.3E+00	2.5E-06	1.0E-03	3.5E-09	1.6E-01	5.5E-01	3.0E-10
9.8E-01	8.0E-07	1.0E-03	8.2E-10	1.6E-01	5.5E-01	7.0E-11	1.1E+00	2.5E-06	1.0E-03	3.0E-09	1.6E-01	5.5E-01	2.6E-10
5.2E-01	8.0E-07	1.0E-03	4.3E-10	1.6E-01	5.5E-01	3.7E-11	5.2E-01	2.5E-06	1.0E-03	1.4E-09	1.6E-01	5.5E-01	1.2E-10
6.4E-01	8.0E-07	1.0E-03	5.3E-10	1.6E-01	5.5E-01	4.6E-11	6.6E-01	2.5E-06	1.0E-03	1.7E-09	1.6E-01	5.5E-01	1.5E-10
8.1E-01	8.0E-07	1.0E-03	6.7E-10	1.6E-01	5.5E-01	5.8E-11	8.6E-01	2.5E-06	1.0E-03	2.3E-09	1.6E-01	5.5E-01	1.9E-10
1.0E+00	8.0E-07	1.0E-03	8.4E-10	1.6E-01	5.5E-01	7.3E-11	1.1E+00	2.5E-06	1.0E-03	3.0E-09	1.6E-01	5.5E-01	2.6E-10
1.3E+00	8.0E-07	1.0E-03	1.0E-09	1.6E-01	5.5E-01	9.0E-11	1.5E+00	2.5E-06	1.0E-03	3.9E-09	1.6E-01	5.5E-01	3.4E-10
1.5E+00	8.0E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-01	1.1E-10	1.9E+00	2.5E-06	1.0E-03	5.0E-09	1.6E-01	5.5E-01	4.3E-10
1.7E+00	8.0E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-01	1.2E-10	2.3E+00	2.5E-06	1.0E-03	6.1E-09	1.6E-01	5.5E-01	5.3E-10
2.0E+00	8.0E-07	1.0E-03	1.7E-09	1.6E-01	5.5E-01	1.4E-10	2.8E+00	2.5E-06	1.0E-03	7.3E-09	1.6E-01	5.5E-01	6.3E-10
2.3E+00	8.0E-07	1.0E-03	1.9E-09	1.6E-01	5.5E-01	1.6E-10	3.2E+00	2.5E-06	1.0E-03	8.4E-09	1.6E-01	5.5E-01	7.3E-10
2.4E+00	8.0E-07	1.0E-03	2.0E-09	1.6E-01	5.5E-01	1.7E-10	3.4E+00	2.5E-06	1.0E-03	8.8E-09	1.6E-01	5.5E-01	7.6E-10
2.3E+00	8.0E-07	1.0E-03	1.9E-09	1.6E-01	5.5E-01	1.6E-10	3.1E+00	2.5E-06	1.0E-03	8.2E-09	1.6E-01	5.5E-01	7.1E-10
2.1E+00	8.0E-07	1.0E-03	1.7E-09	1.6E-01	5.5E-01	1.5E-10	2.7E+00	2.5E-06	1.0E-03	7.1E-09	1.6E-01	5.5E-01	6.1E-10
1.8E+00	8.0E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-01	1.3E-10	2.3E+00	2.5E-06	1.0E-03	5.9E-09	1.6E-01	5.5E-01	5.1E-10
1.5E+00	8.0E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-01	1.1E-10	1.8E+00	2.5E-06	1.0E-03	4.8E-09	1.6E-01	5.5E-01	4.2E-10
1.3E+00	8.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-01	9.1E-11	1.5E+00	2.5E-06	1.0E-03	3.9E-09	1.6E-01	5.5E-01	3.4E-10
1.1E+00	8.0E-07	1.0E-03	8.9E-10	1.6E-01	5.5E-01	7.6E-11	1.2E+00	2.5E-06	1.0E-03	3.2E-09	1.6E-01	5.5E-01	2.7E-10
6.0E-01	8.0E-07	1.0E-03	5.0E-10	1.6E-01	5.5E-01	4.3E-11	5.9E-01	2.5E-06	1.0E-03	1.5E-09	1.6E-01	5.5E-01	1.3E-10
7.8E-01	8.0E-07	1.0E-03	6.5E-10	1.6E-01	5.5E-01	5.6E-11	7.8E-01	2.5E-06	1.0E-03	2.0E-09	1.6E-01	5.5E-01	1.8E-10
1.0E+00	8.0E-07	1.0E-03	8.6E-10	1.6E-01	5.5E-01	7.4E-11	1.1E+00	2.5E-06	1.0E-03	2.8E-09	1.6E-01	5.5E-01	2.4E-10
1.4E+00	8.0E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-01	1.0E-10	1.5E+00	2.5E-06	1.0E-03	4.0E-09	1.6E-01	5.5E-01	3.4E-10
1.9E+00	8.0E-07	1.0E-03	1.6E-09	1.6E-01	5.5E-01	1.4E-10	2.2E+00	2.5E-06	1.0E-03	5.9E-09	1.6E-01	5.5E-01	5.1E-10
2.5E+00	8.0E-07	1.0E-03	2.1E-09	1.6E-01	5.5E-01	1.8E-10	3.3E+00	2.5E-06	1.0E-03	8.6E-09	1.6E-01	5.5E-01	7.4E-10
3.0E+00	8.0E-07	1.0E-03	2.5E-09	1.6E-01	5.5E-01	2.2E-10	4.5E+00	2.5E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-01	1.0E-09
3.6E+00	8.0E-07	1.0E-03	3.0E-09	1.6E-01	5.5E-01	2.6E-10	5.6E+00	2.5E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-01	1.3E-09
3.9E+00	8.0E-07	1.0E-03	3.3E-09	1.6E-01	5.5E-01	2.8E-10	6.2E+00	2.5E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-01	1.4E-09
3.7E+00	8.0E-07	1.0E-03	3.1E-09	1.6E-01	5.5E-01	2.7E-10	5.6E+00	2.5E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-01	1.3E-09
3.2E+00	8.0E-07	1.0E-03	2.7E-09	1.6E-01	5.5E-01	2.3E-10	4.5E+00	2.5E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-01	1.0E-09
2.6E+00	8.0E-07	1.0E-03	2.2E-09	1.6E-01	5.5E-01	1.9E-10	3.4E+00	2.5E-06	1.0E-03	9.1E-09	1.6E-01	5.5E-01	7.8E-10
2.1E+00	8.0E-07	1.0E-03	1.8E-09	1.6E-01	5.5E-01	1.5E-10	2.6E+00	2.5E-06	1.0E-03	6.9E-09	1.6E-01	5.5E-01	5.9E-10
1.7E+00	8.0E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-01	1.2E-10	2.0E+00	2.5E-06	1.0E-03	5.2E-09	1.6E-01	5.5E-01	4.5E-10
1.4E+00	8.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-01	9.7E-11	1.5E+00	2.5E-06	1.0E-03	4.1E-09	1.6E-01	5.5E-01	3.5E-10
1.1E+00	8.0E-07	1.0E-03	9.2E-10	1.6E-01	5.5E-01	7.9E-11	1.2E+00	2.5E-06	1.0E-03	3.2E-09	1.6E-01	5.5E-01	2.8E-10
6.8E-01	8.0E-07	1.0E-03	5.7E-10	1.6E-01	5.5E-01	4.9E-11	6.5E-01	2.5E-06	1.0E-03	1.7E-09	1.6E-01	5.5E-01	1.5E-10
9.3E-01	8.0E-07	1.0E-03	7.7E-10	1.6E-01	5.5E-01	6.6E-11	8.8E-01	2.5E-06	1.0E-03	2.3E-09	1.6E-01	5.5E-01	2.0E-10
1.3E+00	8.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-01	9.5E-11	1.3E+00	2.5E-06	1.0E-03	3.4E-09	1.6E-01	5.5E-01	2.9E-10
2.0E+00	8.0E-07	1.0E-03	1.6E-09	1.6E-01	5.5E-01	1.4E-10	2.0E+00	2.5E-06	1.0E-03	5.3E-09	1.6E-01	5.5E-01	4.6E-10
3.1E+00	8.0E-07	1.0E-03	2.6E-09	1.6E-01	5.5E-01	2.2E-10	3.5E+00	2.5E-06	1.0E-03	9.1E-09	1.6E-01	5.5E-01	7.8E-10

4.8E+00	8.0E-07	1.0E-03	4.0E-09	1.6E-01	5.5E-01	3.4E-10	6.5E+00	2.5E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-01	1.5E-09
6.6E+00	8.0E-07	1.0E-03	5.5E-09	1.6E-01	5.5E-01	4.8E-10	1.1E+01	2.5E-06	1.0E-03	3.0E-08	1.6E-01	5.5E-01	2.5E-09
7.9E+00	8.0E-07	1.0E-03	6.6E-09	1.6E-01	5.5E-01	5.7E-10	1.5E+01	2.5E-06	1.0E-03	3.9E-08	1.6E-01	5.5E-01	3.4E-09
7.2E+00	8.0E-07	1.0E-03	6.0E-09	1.6E-01	5.5E-01	5.2E-10	1.3E+01	2.5E-06	1.0E-03	3.4E-08	1.6E-01	5.5E-01	2.9E-09
5.6E+00	8.0E-07	1.0E-03	4.7E-09	1.6E-01	5.5E-01	4.0E-10	8.7E+00	2.5E-06	1.0E-03	2.3E-08	1.6E-01	5.5E-01	2.0E-09
4.2E+00	8.0E-07	1.0E-03	3.5E-09	1.6E-01	5.5E-01	3.0E-10	5.7E+00	2.5E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-01	1.3E-09
3.1E+00	8.0E-07	1.0E-03	2.6E-09	1.6E-01	5.5E-01	2.2E-10	3.9E+00	2.5E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-01	8.8E-10
2.3E+00	8.0E-07	1.0E-03	1.9E-09	1.6E-01	5.5E-01	1.7E-10	2.7E+00	2.5E-06	1.0E-03	7.2E-09	1.6E-01	5.5E-01	6.2E-10
1.8E+00	8.0E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-01	1.3E-10	2.0E+00	2.5E-06	1.0E-03	5.2E-09	1.6E-01	5.5E-01	4.5E-10
1.4E+00	8.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-01	9.8E-11	1.5E+00	2.5E-06	1.0E-03	3.9E-09	1.6E-01	5.5E-01	3.4E-10
1.1E+00	8.0E-07	1.0E-03	9.0E-10	1.6E-01	5.5E-01	7.7E-11	1.2E+00	2.5E-06	1.0E-03	3.0E-09	1.6E-01	5.5E-01	2.6E-10
7.5E-01	8.0E-07	1.0E-03	6.2E-10	1.6E-01	5.5E-01	5.4E-11	6.8E-01	2.5E-06	1.0E-03	1.8E-09	1.6E-01	5.5E-01	1.5E-10
1.1E+00	8.0E-07	1.0E-03	8.8E-10	1.6E-01	5.5E-01	7.5E-11	9.5E-01	2.5E-06	1.0E-03	2.5E-09	1.6E-01	5.5E-01	2.1E-10
1.6E+00	8.0E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-01	1.2E-10	1.4E+00	2.5E-06	1.0E-03	3.8E-09	1.6E-01	5.5E-01	3.3E-10
2.7E+00	8.0E-07	1.0E-03	2.2E-09	1.6E-01	5.5E-01	1.9E-10	2.5E+00	2.5E-06	1.0E-03	6.5E-09	1.6E-01	5.5E-01	5.6E-10
5.2E+00	8.0E-07	1.0E-03	4.3E-09	1.6E-01	5.5E-01	3.7E-10	5.0E+00	2.5E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-01	1.1E-09
1.2E+01	8.0E-07	1.0E-03	9.7E-09	1.6E-01	5.5E-01	8.4E-10	1.4E+01	2.5E-06	1.0E-03	3.7E-08	1.6E-01	5.5E-01	3.2E-09
2.3E+01	8.0E-07	1.0E-03	2.0E-08	1.6E-01	5.5E-01	1.7E-09	5.4E+01	2.5E-06	1.0E-03	1.4E-07	1.6E-01	5.5E-01	1.2E-08
2.0E+01	8.0E-07	1.0E-03	1.7E-08	1.6E-01	5.5E-01	1.4E-09	6.1E+01	2.5E-06	1.0E-03	1.6E-07	1.6E-01	5.5E-01	1.4E-08
1.2E+01	8.0E-07	1.0E-03	1.0E-08	1.6E-01	5.5E-01	8.7E-10	2.4E+01	2.5E-06	1.0E-03	6.3E-08	1.6E-01	5.5E-01	5.4E-09
7.4E+00	8.0E-07	1.0E-03	6.1E-09	1.6E-01	5.5E-01	5.3E-10	1.1E+01	2.5E-06	1.0E-03	2.9E-08	1.6E-01	5.5E-01	2.5E-09
4.7E+00	8.0E-07	1.0E-03	3.9E-09	1.6E-01	5.5E-01	3.4E-10	6.0E+00	2.5E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-01	1.4E-09
3.2E+00	8.0E-07	1.0E-03	2.7E-09	1.6E-01	5.5E-01	2.3E-10	3.8E+00	2.5E-06	1.0E-03	9.9E-09	1.6E-01	5.5E-01	8.5E-10
2.3E+00	8.0E-07	1.0E-03	1.9E-09	1.6E-01	5.5E-01	1.6E-10	2.5E+00	2.5E-06	1.0E-03	6.6E-09	1.6E-01	5.5E-01	5.7E-10
1.7E+00	8.0E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-01	1.2E-10	1.8E+00	2.5E-06	1.0E-03	4.7E-09	1.6E-01	5.5E-01	4.1E-10
1.3E+00	8.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-01	9.2E-11	1.3E+00	2.5E-06	1.0E-03	3.5E-09	1.6E-01	5.5E-01	3.0E-10
1.0E+00	8.0E-07	1.0E-03	8.4E-10	1.6E-01	5.5E-01	7.2E-11	1.0E+00	2.5E-06	1.0E-03	2.7E-09	1.6E-01	5.5E-01	2.3E-10
7.9E-01	8.0E-07	1.0E-03	6.5E-10	1.6E-01	5.5E-01	5.6E-11	6.9E-01	2.5E-06	1.0E-03	1.8E-09	1.6E-01	5.5E-01	1.5E-10
1.1E+00	8.0E-07	1.0E-03	9.5E-10	1.6E-01	5.5E-01	8.2E-11	9.7E-01	2.5E-06	1.0E-03	2.5E-09	1.6E-01	5.5E-01	2.2E-10
1.8E+00	8.0E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-01	1.3E-10	1.5E+00	2.5E-06	1.0E-03	3.9E-09	1.6E-01	5.5E-01	3.4E-10
3.3E+00	8.0E-07	1.0E-03	2.7E-09	1.6E-01	5.5E-01	2.4E-10	2.6E+00	2.5E-06	1.0E-03	6.7E-09	1.6E-01	5.5E-01	5.8E-10
7.6E+00	8.0E-07	1.0E-03	6.3E-09	1.6E-01	5.5E-01	5.4E-10	5.5E+00	2.5E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-01	1.2E-09
7.7E+00	8.0E-07	1.0E-03	6.4E-09	1.6E-01	5.5E-01	5.5E-10	9.6E+00	2.5E-06	1.0E-03	2.5E-08	1.6E-01	5.5E-01	2.2E-09
4.5E+00	8.0E-07	1.0E-03	3.8E-09	1.6E-01	5.5E-01	3.2E-10	5.1E+00	2.5E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-01	1.2E-09
3.0E+00	8.0E-07	1.0E-03	2.5E-09	1.6E-01	5.5E-01	2.1E-10	3.2E+00	2.5E-06	1.0E-03	8.3E-09	1.6E-01	5.5E-01	7.2E-10
2.1E+00	8.0E-07	1.0E-03	1.7E-09	1.6E-01	5.5E-01	1.5E-10	2.1E+00	2.5E-06	1.0E-03	5.6E-09	1.6E-01	5.5E-01	4.9E-10
1.5E+00	8.0E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-01	1.1E-10	1.5E+00	2.5E-06	1.0E-03	4.1E-09	1.6E-01	5.5E-01	3.5E-10
1.1E+00	8.0E-07	1.0E-03	9.5E-10	1.6E-01	5.5E-01	8.2E-11	1.2E+00	2.5E-06	1.0E-03	3.1E-09	1.6E-01	5.5E-01	2.6E-10
9.0E-01	8.0E-07	1.0E-03	7.5E-10	1.6E-01	5.5E-01	6.4E-11	9.0E-01	2.5E-06	1.0E-03	2.4E-09	1.6E-01	5.5E-01	2.0E-10
7.8E-01	8.0E-07	1.0E-03	6.5E-10	1.6E-01	5.5E-01	5.6E-11	6.6E-01	2.5E-06	1.0E-03	1.7E-09	1.6E-01	5.5E-01	1.5E-10
1.1E+00	8.0E-07	1.0E-03	9.4E-10	1.6E-01	5.5E-01	8.1E-11	9.1E-01	2.5E-06	1.0E-03	2.4E-09	1.6E-01	5.5E-01	2.1E-10
1.8E+00	8.0E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-01	1.3E-10	1.4E+00	2.5E-06	1.0E-03	3.6E-09	1.6E-01	5.5E-01	3.1E-10
3.3E+00	8.0E-07	1.0E-03	2.7E-09	1.6E-01	5.5E-01	2.3E-10	2.2E+00	2.5E-06	1.0E-03	5.8E-09	1.6E-01	5.5E-01	5.0E-10
7.4E+00	8.0E-07	1.0E-03	6.2E-09	1.6E-01	5.5E-01	5.3E-10	4.1E+00	2.5E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.2E-10
6.3E+00	8.0E-07	1.0E-03	5.3E-09	1.6E-01	5.5E-01	4.5E-10	6.4E+00	2.5E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-01	1.5E-09
3.7E+00	8.0E-07	1.0E-03	3.1E-09	1.6E-01	5.5E-01	2.7E-10	3.9E+00	2.5E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-01	8.7E-10

2.4E+00	8.0E-07	1.0E-03	2.0E-09	1.6E-01	5.5E-01	1.7E-10	2.5E+00	2.5E-06	1.0E-03	6.5E-09	1.6E-01	5.5E-01	5.6E-10
1.7E+00	8.0E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-01	1.2E-10	1.8E+00	2.5E-06	1.0E-03	4.6E-09	1.6E-01	5.5E-01	4.0E-10
1.3E+00	8.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-01	9.2E-11	1.3E+00	2.5E-06	1.0E-03	3.4E-09	1.6E-01	5.5E-01	2.9E-10
9.9E-01	8.0E-07	1.0E-03	8.2E-10	1.6E-01	5.5E-01	7.1E-11	9.9E-01	2.5E-06	1.0E-03	2.6E-09	1.6E-01	5.5E-01	2.2E-10
7.8E-01	8.0E-07	1.0E-03	6.5E-10	1.6E-01	5.5E-01	5.6E-11	7.8E-01	2.5E-06	1.0E-03	2.1E-09	1.6E-01	5.5E-01	1.8E-10
7.4E-01	8.0E-07	1.0E-03	6.2E-10	1.6E-01	5.5E-01	5.3E-11	6.1E-01	2.5E-06	1.0E-03	1.6E-09	1.6E-01	5.5E-01	1.4E-10
1.0E+00	8.0E-07	1.0E-03	8.7E-10	1.6E-01	5.5E-01	7.5E-11	8.2E-01	2.5E-06	1.0E-03	2.1E-09	1.6E-01	5.5E-01	1.8E-10
1.6E+00	8.0E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-01	1.1E-10	1.1E+00	2.5E-06	1.0E-03	3.0E-09	1.6E-01	5.5E-01	2.6E-10
2.7E+00	8.0E-07	1.0E-03	2.2E-09	1.6E-01	5.5E-01	1.9E-10	1.7E+00	2.5E-06	1.0E-03	4.5E-09	1.6E-01	5.5E-01	3.9E-10
5.0E+00	8.0E-07	1.0E-03	4.1E-09	1.6E-01	5.5E-01	3.5E-10	2.7E+00	2.5E-06	1.0E-03	7.1E-09	1.6E-01	5.5E-01	6.1E-10
4.5E+00	8.0E-07	1.0E-03	3.7E-09	1.6E-01	5.5E-01	3.2E-10	4.2E+00	2.5E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.4E-10
2.9E+00	8.0E-07	1.0E-03	2.4E-09	1.6E-01	5.5E-01	2.0E-10	2.8E+00	2.5E-06	1.0E-03	7.5E-09	1.6E-01	5.5E-01	6.4E-10
2.0E+00	8.0E-07	1.0E-03	1.6E-09	1.6E-01	5.5E-01	1.4E-10	2.0E+00	2.5E-06	1.0E-03	5.2E-09	1.6E-01	5.5E-01	4.5E-10
1.5E+00	8.0E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-01	1.0E-10	1.5E+00	2.5E-06	1.0E-03	3.9E-09	1.6E-01	5.5E-01	3.4E-10
1.1E+00	8.0E-07	1.0E-03	9.1E-10	1.6E-01	5.5E-01	7.9E-11	1.1E+00	2.5E-06	1.0E-03	2.9E-09	1.6E-01	5.5E-01	2.5E-10
8.6E-01	8.0E-07	1.0E-03	7.1E-10	1.6E-01	5.5E-01	6.1E-11	8.7E-01	2.5E-06	1.0E-03	2.3E-09	1.6E-01	5.5E-01	2.0E-10
6.9E-01	8.0E-07	1.0E-03	5.7E-10	1.6E-01	5.5E-01	4.9E-11	6.9E-01	2.5E-06	1.0E-03	1.8E-09	1.6E-01	5.5E-01	1.6E-10
6.7E-01	8.0E-07	1.0E-03	5.6E-10	1.6E-01	5.5E-01	4.8E-11	5.4E-01	2.5E-06	1.0E-03	1.4E-09	1.6E-01	5.5E-01	1.2E-10
9.0E-01	8.0E-07	1.0E-03	7.5E-10	1.6E-01	5.5E-01	6.5E-11	7.0E-01	2.5E-06	1.0E-03	1.8E-09	1.6E-01	5.5E-01	1.6E-10
1.3E+00	8.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-01	9.3E-11	9.4E-01	2.5E-06	1.0E-03	2.5E-09	1.6E-01	5.5E-01	2.1E-10
2.0E+00	8.0E-07	1.0E-03	1.6E-09	1.6E-01	5.5E-01	1.4E-10	1.3E+00	2.5E-06	1.0E-03	3.4E-09	1.6E-01	5.5E-01	2.9E-10
3.1E+00	8.0E-07	1.0E-03	2.6E-09	1.6E-01	5.5E-01	2.2E-10	1.9E+00	2.5E-06	1.0E-03	4.9E-09	1.6E-01	5.5E-01	4.2E-10
3.3E+00	8.0E-07	1.0E-03	2.8E-09	1.6E-01	5.5E-01	2.4E-10	3.0E+00	2.5E-06	1.0E-03	7.8E-09	1.6E-01	5.5E-01	6.7E-10
2.3E+00	8.0E-07	1.0E-03	1.9E-09	1.6E-01	5.5E-01	1.6E-10	2.2E+00	2.5E-06	1.0E-03	5.8E-09	1.6E-01	5.5E-01	5.0E-10
1.6E+00	8.0E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-01	1.2E-10	1.6E+00	2.5E-06	1.0E-03	4.3E-09	1.6E-01	5.5E-01	3.7E-10
1.2E+00	8.0E-07	1.0E-03	1.0E-09	1.6E-01	5.5E-01	8.9E-11	1.3E+00	2.5E-06	1.0E-03	3.3E-09	1.6E-01	5.5E-01	2.9E-10
9.6E-01	8.0E-07	1.0E-03	8.0E-10	1.6E-01	5.5E-01	6.9E-11	9.8E-01	2.5E-06	1.0E-03	2.6E-09	1.6E-01	5.5E-01	2.2E-10
7.6E-01	8.0E-07	1.0E-03	6.3E-10	1.6E-01	5.5E-01	5.4E-11	7.8E-01	2.5E-06	1.0E-03	2.0E-09	1.6E-01	5.5E-01	1.8E-10
6.1E-01	8.0E-07	1.0E-03	5.1E-10	1.6E-01	5.5E-01	4.4E-11	6.3E-01	2.5E-06	1.0E-03	1.6E-09	1.6E-01	5.5E-01	1.4E-10
5.9E-01	8.0E-07	1.0E-03	4.9E-10	1.6E-01	5.5E-01	4.2E-11	4.7E-01	2.5E-06	1.0E-03	1.2E-09	1.6E-01	5.5E-01	1.1E-10
7.6E-01	8.0E-07	1.0E-03	6.3E-10	1.6E-01	5.5E-01	5.4E-11	5.9E-01	2.5E-06	1.0E-03	1.6E-09	1.6E-01	5.5E-01	1.3E-10
1.0E+00	8.0E-07	1.0E-03	8.5E-10	1.6E-01	5.5E-01	7.3E-11	7.6E-01	2.5E-06	1.0E-03	2.0E-09	1.6E-01	5.5E-01	1.7E-10
1.4E+00	8.0E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-01	1.0E-10	1.0E+00	2.5E-06	1.0E-03	2.6E-09	1.6E-01	5.5E-01	2.3E-10
2.1E+00	8.0E-07	1.0E-03	1.7E-09	1.6E-01	5.5E-01	1.5E-10	1.4E+00	2.5E-06	1.0E-03	3.6E-09	1.6E-01	5.5E-01	3.1E-10
2.9E+00	8.0E-07	1.0E-03	2.4E-09	1.6E-01	5.5E-01	2.1E-10	1.8E+00	2.5E-06	1.0E-03	4.8E-09	1.6E-01	5.5E-01	4.1E-10
3.6E+00	8.0E-07	1.0E-03	3.0E-09	1.6E-01	5.5E-01	2.6E-10	2.2E+00	2.5E-06	1.0E-03	5.9E-09	1.6E-01	5.5E-01	5.1E-10
3.6E+00	8.0E-07	1.0E-03	3.0E-09	1.6E-01	5.5E-01	2.6E-10	2.5E+00	2.5E-06	1.0E-03	6.5E-09	1.6E-01	5.5E-01	5.6E-10
3.1E+00	8.0E-07	1.0E-03	2.6E-09	1.6E-01	5.5E-01	2.3E-10	2.4E+00	2.5E-06	1.0E-03	6.3E-09	1.6E-01	5.5E-01	5.5E-10
2.5E+00	8.0E-07	1.0E-03	2.1E-09	1.6E-01	5.5E-01	1.8E-10	2.1E+00	2.5E-06	1.0E-03	5.6E-09	1.6E-01	5.5E-01	4.8E-10
1.9E+00	8.0E-07	1.0E-03	1.6E-09	1.6E-01	5.5E-01	1.3E-10	1.7E+00	2.5E-06	1.0E-03	4.6E-09	1.6E-01	5.5E-01	3.9E-10
1.3E+00	8.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-01	9.6E-11	1.3E+00	2.5E-06	1.0E-03	3.5E-09	1.6E-01	5.5E-01	3.0E-10
1.0E+00	8.0E-07	1.0E-03	8.6E-10	1.6E-01	5.5E-01	7.4E-11	1.1E+00	2.5E-06	1.0E-03	2.8E-09	1.6E-01	5.5E-01	2.4E-10
8.5E-01	8.0E-07	1.0E-03	7.1E-10	1.6E-01	5.5E-01	6.1E-11	8.7E-01	2.5E-06	1.0E-03	2.3E-09	1.6E-01	5.5E-01	2.0E-10
6.8E-01	8.0E-07	1.0E-03	5.7E-10	1.6E-01	5.5E-01	4.9E-11	7.0E-01	2.5E-06	1.0E-03	1.8E-09	1.6E-01	5.5E-01	1.6E-10
5.6E-01	8.0E-07	1.0E-03	4.6E-10	1.6E-01	5.5E-01	4.0E-11	5.7E-01	2.5E-06	1.0E-03	1.5E-09	1.6E-01	5.5E-01	1.3E-10
5.1E-01	8.0E-07	1.0E-03	4.2E-10	1.6E-01	5.5E-01	3.6E-11	4.1E-01	2.5E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-01	9.4E-11

6.4E-01	8.0E-07	1.0E-03	5.3E-10	1.6E-01	5.5E-01	4.6E-11	5.0E-01	2.5E-06	1.0E-03	1.3E-09	1.6E-01	5.5E-01	1.1E-10
8.2E-01	8.0E-07	1.0E-03	6.8E-10	1.6E-01	5.5E-01	5.9E-11	6.2E-01	2.5E-06	1.0E-03	1.6E-09	1.6E-01	5.5E-01	1.4E-10
1.1E+00	8.0E-07	1.0E-03	9.1E-10	1.6E-01	5.5E-01	7.8E-11	8.0E-01	2.5E-06	1.0E-03	2.1E-09	1.6E-01	5.5E-01	1.8E-10
1.5E+00	8.0E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-01	1.1E-10	1.0E+00	2.5E-06	1.0E-03	2.7E-09	1.6E-01	5.5E-01	2.3E-10
1.9E+00	8.0E-07	1.0E-03	1.6E-09	1.6E-01	5.5E-01	1.3E-10	1.3E+00	2.5E-06	1.0E-03	3.4E-09	1.6E-01	5.5E-01	2.9E-10
2.2E+00	8.0E-07	1.0E-03	1.8E-09	1.6E-01	5.5E-01	1.6E-10	1.5E+00	2.5E-06	1.0E-03	4.0E-09	1.6E-01	5.5E-01	3.4E-10
2.3E+00	8.0E-07	1.0E-03	1.9E-09	1.6E-01	5.5E-01	1.7E-10	1.7E+00	2.5E-06	1.0E-03	4.4E-09	1.6E-01	5.5E-01	3.8E-10
2.2E+00	8.0E-07	1.0E-03	1.8E-09	1.6E-01	5.5E-01	1.5E-10	1.7E+00	2.5E-06	1.0E-03	4.4E-09	1.6E-01	5.5E-01	3.8E-10
1.8E+00	8.0E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-01	1.3E-10	1.6E+00	2.5E-06	1.0E-03	4.1E-09	1.6E-01	5.5E-01	3.5E-10
1.5E+00	8.0E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-01	1.1E-10	1.4E+00	2.5E-06	1.0E-03	3.6E-09	1.6E-01	5.5E-01	3.1E-10
1.2E+00	8.0E-07	1.0E-03	9.9E-10	1.6E-01	5.5E-01	8.5E-11	1.1E+00	2.5E-06	1.0E-03	3.0E-09	1.6E-01	5.5E-01	2.6E-10
9.0E-01	8.0E-07	1.0E-03	7.5E-10	1.6E-01	5.5E-01	6.5E-11	9.0E-01	2.5E-06	1.0E-03	2.4E-09	1.6E-01	5.5E-01	2.0E-10
7.6E-01	8.0E-07	1.0E-03	6.3E-10	1.6E-01	5.5E-01	5.4E-11	7.7E-01	2.5E-06	1.0E-03	2.0E-09	1.6E-01	5.5E-01	1.7E-10
6.3E-01	8.0E-07	1.0E-03	5.2E-10	1.6E-01	5.5E-01	4.5E-11	6.4E-01	2.5E-06	1.0E-03	1.7E-09	1.6E-01	5.5E-01	1.4E-10
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5.4E-01	8.0E-07	1.0E-03	4.5E-10	1.6E-01	5.5E-01	3.9E-11	4.3E-01	2.5E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-01	9.8E-11
6.7E-01	8.0E-07	1.0E-03	5.6E-10	1.6E-01	5.5E-01	4.8E-11	5.3E-01	2.5E-06	1.0E-03	1.4E-09	1.6E-01	5.5E-01	1.2E-10
8.6E-01	8.0E-07	1.0E-03	7.1E-10	1.6E-01	5.5E-01	6.2E-11	6.5E-01	2.5E-06	1.0E-03	1.7E-09	1.6E-01	5.5E-01	1.5E-10
1.1E+00	8.0E-07	1.0E-03	9.0E-10	1.6E-01	5.5E-01	7.7E-11	8.0E-01	2.5E-06	1.0E-03	2.1E-09	1.6E-01	5.5E-01	1.8E-10
1.3E+00	8.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-01	9.4E-11	9.6E-01	2.5E-06	1.0E-03	2.5E-09	1.6E-01	5.5E-01	2.2E-10
1.5E+00	8.0E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-01	1.1E-10	1.1E+00	2.5E-06	1.0E-03	2.9E-09	1.6E-01	5.5E-01	2.5E-10
1.6E+00	8.0E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-01	1.1E-10	1.2E+00	2.5E-06	1.0E-03	3.1E-09	1.6E-01	5.5E-01	2.7E-10
1.5E+00	8.0E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-01	1.1E-10	1.2E+00	2.5E-06	1.0E-03	3.2E-09	1.6E-01	5.5E-01	2.8E-10
1.4E+00	8.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-01	9.8E-11	1.2E+00	2.5E-06	1.0E-03	3.0E-09	1.6E-01	5.5E-01	2.6E-10
1.1E+00	8.0E-07	1.0E-03	9.5E-10	1.6E-01	5.5E-01	8.2E-11	1.0E+00	2.5E-06	1.0E-03	2.7E-09	1.6E-01	5.5E-01	2.3E-10
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9.7E-01	8.0E-07	1.0E-03	8.1E-10	1.6E-01	5.5E-01	7.0E-11	7.4E-01	2.5E-06	1.0E-03	1.9E-09	1.6E-01	5.5E-01	1.7E-10
1.1E+00	8.0E-07	1.0E-03	9.1E-10	1.6E-01	5.5E-01	7.8E-11	8.4E-01	2.5E-06	1.0E-03	2.2E-09	1.6E-01	5.5E-01	1.9E-10
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6.2E-01	8.0E-07	1.0E-03	5.2E-10	1.6E-01	5.5E-01	4.5E-11	5.8E-01	2.5E-06	1.0E-03	1.5E-09	1.6E-01	5.5E-01	1.3E-10
5.4E-01	8.0E-07	1.0E-03	4.5E-10	1.6E-01	5.5E-01	3.9E-11	5.2E-01	2.5E-06	1.0E-03	1.4E-09	1.6E-01	5.5E-01	1.2E-10
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3.4E-01	8.0E-07	1.0E-03	2.8E-10	1.6E-01	5.5E-01	2.4E-11	2.9E-01	2.5E-06	1.0E-03	7.5E-10	1.6E-01	5.5E-01	6.5E-11
4.0E-01	8.0E-07	1.0E-03	3.3E-10	1.6E-01	5.5E-01	2.8E-11	3.3E-01	2.5E-06	1.0E-03	8.6E-10	1.6E-01	5.5E-01	7.4E-11
4.6E-01	8.0E-07	1.0E-03	3.8E-10	1.6E-01	5.5E-01	3.3E-11	3.8E-01	2.5E-06	1.0E-03	9.9E-10	1.6E-01	5.5E-01	8.5E-11
5.3E-01	8.0E-07	1.0E-03	4.4E-10	1.6E-01	5.5E-01	3.8E-11	4.3E-01	2.5E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-01	9.8E-11
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6.8E-01	8.0E-07	1.0E-03	5.7E-10	1.6E-01	5.5E-01	4.9E-11	5.6E-01	2.5E-06	1.0E-03	1.5E-09	1.6E-01	5.5E-01	1.3E-10
6.9E-01	8.0E-07	1.0E-03	5.7E-10	1.6E-01	5.5E-01	4.9E-11	5.8E-01	2.5E-06	1.0E-03	1.5E-09	1.6E-01	5.5E-01	1.3E-10
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6.4E-01	8.0E-07	1.0E-03	5.3E-10	1.6E-01	5.5E-01	4.6E-11	5.6E-01	2.5E-06	1.0E-03	1.5E-09	1.6E-01	5.5E-01	1.3E-10
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4.8E-01	8.0E-07	1.0E-03	4.0E-10	1.6E-01	5.5E-01	3.4E-11	4.5E-01	2.5E-06	1.0E-03	1.2E-09	1.6E-01	5.5E-01	1.0E-10
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2.6E-01	8.0E-07	1.0E-03	2.2E-10	1.6E-01	5.5E-01	1.9E-11	2.2E-01	2.5E-06	1.0E-03	5.9E-10	1.6E-01	5.5E-01	5.0E-11
3.0E-01	8.0E-07	1.0E-03	2.5E-10	1.6E-01	5.5E-01	2.1E-11	2.5E-01	2.5E-06	1.0E-03	6.6E-10	1.6E-01	5.5E-01	5.7E-11
3.4E-01	8.0E-07	1.0E-03	2.8E-10	1.6E-01	5.5E-01	2.4E-11	2.9E-01	2.5E-06	1.0E-03	7.5E-10	1.6E-01	5.5E-01	6.5E-11
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4.4E-01	8.0E-07	1.0E-03	3.7E-10	1.6E-01	5.5E-01	3.2E-11	3.7E-01	2.5E-06	1.0E-03	9.6E-10	1.6E-01	5.5E-01	8.3E-11
4.9E-01	8.0E-07	1.0E-03	4.1E-10	1.6E-01	5.5E-01	3.5E-11	4.0E-01	2.5E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-01	9.1E-11
5.3E-01	8.0E-07	1.0E-03	4.4E-10	1.6E-01	5.5E-01	3.8E-11	4.4E-01	2.5E-06	1.0E-03	1.2E-09	1.6E-01	5.5E-01	9.9E-11
5.5E-01	8.0E-07	1.0E-03	4.6E-10	1.6E-01	5.5E-01	3.9E-11	4.6E-01	2.5E-06	1.0E-03	1.2E-09	1.6E-01	5.5E-01	1.0E-10
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5.0E-01	8.0E-07	1.0E-03	4.2E-10	1.6E-01	5.5E-01	3.6E-11	4.5E-01	2.5E-06	1.0E-03	1.2E-09	1.6E-01	5.5E-01	1.0E-10
4.6E-01	8.0E-07	1.0E-03	3.8E-10	1.6E-01	5.5E-01	3.3E-11	4.3E-01	2.5E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-01	9.6E-11

4.2E-01	8.0E-07	1.0E-03	3.5E-10	1.6E-01	5.5E-01	3.0E-11	4.0E-01	2.5E-06	1.0E-03	1.0E-09	1.6E-01	5.5E-01	9.0E-11
3.8E-01	8.0E-07	1.0E-03	3.1E-10	1.6E-01	5.5E-01	2.7E-11	3.6E-01	2.5E-06	1.0E-03	9.5E-10	1.6E-01	5.5E-01	8.2E-11
3.2E-01	8.0E-07	1.0E-03	2.7E-10	1.6E-01	5.5E-01	2.3E-11	3.1E-01	2.5E-06	1.0E-03	8.2E-10	1.6E-01	5.5E-01	7.0E-11
1.2E+01	8.0E-07	1.0E-03	9.7E-09	1.6E-01	5.5E-01	8.4E-10	1.4E+01	2.5E-06	1.0E-03	3.7E-08	1.6E-01	5.5E-01	3.2E-09
1.4E+01	8.0E-07	1.0E-03	1.2E-08	1.6E-01	5.5E-01	9.9E-10	1.8E+01	2.5E-06	1.0E-03	4.8E-08	1.6E-01	5.5E-01	4.1E-09
1.6E+01	8.0E-07	1.0E-03	1.4E-08	1.6E-01	5.5E-01	1.2E-09	2.4E+01	2.5E-06	1.0E-03	6.3E-08	1.6E-01	5.5E-01	5.4E-09
1.9E+01	8.0E-07	1.0E-03	1.6E-08	1.6E-01	5.5E-01	1.4E-09	3.2E+01	2.5E-06	1.0E-03	8.4E-08	1.6E-01	5.5E-01	7.2E-09
2.1E+01	8.0E-07	1.0E-03	1.8E-08	1.6E-01	5.5E-01	1.5E-09	4.2E+01	2.5E-06	1.0E-03	1.1E-07	1.6E-01	5.5E-01	9.6E-09
2.3E+01	8.0E-07	1.0E-03	2.0E-08	1.6E-01	5.5E-01	1.7E-09	5.4E+01	2.5E-06	1.0E-03	1.4E-07	1.6E-01	5.5E-01	1.2E-08
2.5E+01	8.0E-07	1.0E-03	2.0E-08	1.6E-01	5.5E-01	1.8E-09	6.3E+01	2.5E-06	1.0E-03	1.7E-07	1.6E-01	5.5E-01	1.4E-08
2.4E+01	8.0E-07	1.0E-03	2.0E-08	1.6E-01	5.5E-01	1.8E-09	6.8E+01	2.5E-06	1.0E-03	1.8E-07	1.6E-01	5.5E-01	1.5E-08
2.3E+01	8.0E-07	1.0E-03	1.9E-08	1.6E-01	5.5E-01	1.7E-09	7.0E+01	2.5E-06	1.0E-03	1.8E-07	1.6E-01	5.5E-01	1.6E-08
2.2E+01	8.0E-07	1.0E-03	1.8E-08	1.6E-01	5.5E-01	1.6E-09	6.8E+01	2.5E-06	1.0E-03	1.8E-07	1.6E-01	5.5E-01	1.5E-08
2.0E+01	8.0E-07	1.0E-03	1.7E-08	1.6E-01	5.5E-01	1.4E-09	6.1E+01	2.5E-06	1.0E-03	1.6E-07	1.6E-01	5.5E-01	1.4E-08
1.8E+01	8.0E-07	1.0E-03	1.5E-08	1.6E-01	5.5E-01	1.3E-09	5.1E+01	2.5E-06	1.0E-03	1.3E-07	1.6E-01	5.5E-01	1.2E-08
1.7E+01	8.0E-07	1.0E-03	1.4E-08	1.6E-01	5.5E-01	1.2E-09	4.2E+01	2.5E-06	1.0E-03	1.1E-07	1.6E-01	5.5E-01	9.6E-09
1.5E+01	8.0E-07	1.0E-03	1.2E-08	1.6E-01	5.5E-01	1.1E-09	3.5E+01	2.5E-06	1.0E-03	9.1E-08	1.6E-01	5.5E-01	7.8E-09
1.3E+01	8.0E-07	1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.7E-10	2.9E+01	2.5E-06	1.0E-03	7.5E-08	1.6E-01	5.5E-01	6.5E-09
1.2E+01	8.0E-07	1.0E-03	1.0E-08	1.6E-01	5.5E-01	8.7E-10	2.4E+01	2.5E-06	1.0E-03	6.3E-08	1.6E-01	5.5E-01	5.4E-09
1.1E+01	8.0E-07	1.0E-03	9.1E-09	1.6E-01	5.5E-01	7.9E-10	2.0E+01	2.5E-06	1.0E-03	5.3E-08	1.6E-01	5.5E-01	4.5E-09
9.9E+00	8.0E-07	1.0E-03	8.3E-09	1.6E-01	5.5E-01	7.1E-10	1.7E+01	2.5E-06	1.0E-03	4.5E-08	1.6E-01	5.5E-01	3.9E-09
9.0E+00	8.0E-07	1.0E-03	7.5E-09	1.6E-01	5.5E-01	6.4E-10	1.5E+01	2.5E-06	1.0E-03	3.8E-08	1.6E-01	5.5E-01	3.3E-09
8.1E+00	8.0E-07	1.0E-03	6.8E-09	1.6E-01	5.5E-01	5.8E-10	1.3E+01	2.5E-06	1.0E-03	3.3E-08	1.6E-01	5.5E-01	2.8E-09
7.4E+00	8.0E-07	1.0E-03	6.1E-09	1.6E-01	5.5E-01	5.3E-10	1.1E+01	2.5E-06	1.0E-03	2.9E-08	1.6E-01	5.5E-01	2.5E-09
6.7E+00	8.0E-07	1.0E-03	5.6E-09	1.6E-01	5.5E-01	4.8E-10	9.6E+00	2.5E-06	1.0E-03	2.5E-08	1.6E-01	5.5E-01	2.2E-09
6.1E+00	8.0E-07	1.0E-03	5.1E-09	1.6E-01	5.5E-01	4.4E-10	8.5E+00	2.5E-06	1.0E-03	2.2E-08	1.6E-01	5.5E-01	1.9E-09
5.6E+00	8.0E-07	1.0E-03	4.7E-09	1.6E-01	5.5E-01	4.0E-10	7.5E+00	2.5E-06	1.0E-03	2.0E-08	1.6E-01	5.5E-01	1.7E-09
5.1E+00	8.0E-07	1.0E-03	4.3E-09	1.6E-01	5.5E-01	3.7E-10	6.7E+00	2.5E-06	1.0E-03	1.8E-08	1.6E-01	5.5E-01	1.5E-09
4.7E+00	8.0E-07	1.0E-03	3.9E-09	1.6E-01	5.5E-01	3.4E-10	6.0E+00	2.5E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-01	1.4E-09
1.4E+01	8.0E-07	1.0E-03	1.2E-08	1.6E-01	5.5E-01	1.0E-09	1.6E+01	2.5E-06	1.0E-03	4.3E-08	1.6E-01	5.5E-01	3.7E-09
1.8E+01	8.0E-07	1.0E-03	1.5E-08	1.6E-01	5.5E-01	1.3E-09	2.2E+01	2.5E-06	1.0E-03	5.7E-08	1.6E-01	5.5E-01	4.9E-09
2.2E+01	8.0E-07	1.0E-03	1.8E-08	1.6E-01	5.5E-01	1.5E-09	3.0E+01	2.5E-06	1.0E-03	7.9E-08	1.6E-01	5.5E-01	6.8E-09
2.6E+01	8.0E-07	1.0E-03	2.2E-08	1.6E-01	5.5E-01	1.9E-09	4.3E+01	2.5E-06	1.0E-03	1.1E-07	1.6E-01	5.5E-01	9.7E-09
3.1E+01	8.0E-07	1.0E-03	2.6E-08	1.6E-01	5.5E-01	2.2E-09	1.5E+01	2.5E-06	1.0E-03	4.0E-08	1.6E-01	5.5E-01	3.5E-09
3.4E+01	8.0E-07	1.0E-03	2.8E-08	1.6E-01	5.5E-01	2.4E-09	2.2E+01	2.5E-06	1.0E-03	5.7E-08	1.6E-01	5.5E-01	4.9E-09
3.5E+01	8.0E-07	1.0E-03	2.9E-08	1.6E-01	5.5E-01	2.5E-09	3.2E+01	2.5E-06	1.0E-03	8.3E-08	1.6E-01	5.5E-01	7.2E-09
3.3E+01	8.0E-07	1.0E-03	2.8E-08	1.6E-01	5.5E-01	2.4E-09	4.6E+01	2.5E-06	1.0E-03	1.2E-07	1.6E-01	5.5E-01	1.0E-08
3.0E+01	8.0E-07	1.0E-03	2.5E-08	1.6E-01	5.5E-01	2.2E-09	4.7E+01	2.5E-06	1.0E-03	1.2E-07	1.6E-01	5.5E-01	1.1E-08
2.7E+01	8.0E-07	1.0E-03	2.3E-08	1.6E-01	5.5E-01	1.9E-09	3.5E+01	2.5E-06	1.0E-03	9.2E-08	1.6E-01	5.5E-01	7.9E-09
2.4E+01	8.0E-07	1.0E-03	2.0E-08	1.6E-01	5.5E-01	1.7E-09	2.6E+01	2.5E-06	1.0E-03	6.9E-08	1.6E-01	5.5E-01	6.0E-09
2.1E+01	8.0E-07	1.0E-03	1.8E-08	1.6E-01	5.5E-01	1.5E-09	6.8E+01	2.5E-06	1.0E-03	1.8E-07	1.6E-01	5.5E-01	1.5E-08
1.9E+01	8.0E-07	1.0E-03	1.6E-08	1.6E-01	5.5E-01	1.3E-09	5.2E+01	2.5E-06	1.0E-03	1.4E-07	1.6E-01	5.5E-01	1.2E-08
1.7E+01	8.0E-07	1.0E-03	1.4E-08	1.6E-01	5.5E-01	1.2E-09	4.0E+01	2.5E-06	1.0E-03	1.1E-07	1.6E-01	5.5E-01	9.0E-09
1.5E+01	8.0E-07	1.0E-03	1.2E-08	1.6E-01	5.5E-01	1.1E-09	3.2E+01	2.5E-06	1.0E-03	8.3E-08	1.6E-01	5.5E-01	7.1E-09
1.3E+01	8.0E-07	1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.4E-10	2.6E+01	2.5E-06	1.0E-03	6.7E-08	1.6E-01	5.5E-01	5.8E-09
1.2E+01	8.0E-07	1.0E-03	9.8E-09	1.6E-01	5.5E-01	8.4E-10	2.1E+01	2.5E-06	1.0E-03	5.5E-08	1.6E-01	5.5E-01	4.8E-09

1.0E+01	8.0E-07	1.0E-03	8.7E-09	1.6E-01	5.5E-01	7.5E-10	1.8E+01	2.5E-06	1.0E-03	4.6E-08	1.6E-01	5.5E-01	4.0E-09
9.4E+00	8.0E-07	1.0E-03	7.8E-09	1.6E-01	5.5E-01	6.7E-10	1.5E+01	2.5E-06	1.0E-03	3.9E-08	1.6E-01	5.5E-01	3.4E-09
8.4E+00	8.0E-07	1.0E-03	7.0E-09	1.6E-01	5.5E-01	6.0E-10	1.3E+01	2.5E-06	1.0E-03	3.3E-08	1.6E-01	5.5E-01	2.9E-09
7.6E+00	8.0E-07	1.0E-03	6.3E-09	1.6E-01	5.5E-01	5.4E-10	1.1E+01	2.5E-06	1.0E-03	2.9E-08	1.6E-01	5.5E-01	2.5E-09
6.9E+00	8.0E-07	1.0E-03	5.7E-09	1.6E-01	5.5E-01	4.9E-10	9.6E+00	2.5E-06	1.0E-03	2.5E-08	1.6E-01	5.5E-01	2.2E-09
6.2E+00	8.0E-07	1.0E-03	5.2E-09	1.6E-01	5.5E-01	4.5E-10	8.4E+00	2.5E-06	1.0E-03	2.2E-08	1.6E-01	5.5E-01	1.9E-09
5.7E+00	8.0E-07	1.0E-03	4.7E-09	1.6E-01	5.5E-01	4.1E-10	7.4E+00	2.5E-06	1.0E-03	2.0E-08	1.6E-01	5.5E-01	1.7E-09
5.2E+00	8.0E-07	1.0E-03	4.3E-09	1.6E-01	5.5E-01	3.7E-10	6.6E+00	2.5E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-01	1.5E-09
4.8E+00	8.0E-07	1.0E-03	4.0E-09	1.6E-01	5.5E-01	3.4E-10	5.9E+00	2.5E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-01	1.3E-09
1.8E+01	8.0E-07	1.0E-03	1.5E-08	1.6E-01	5.5E-01	1.3E-09	1.8E+01	2.5E-06	1.0E-03	4.7E-08	1.6E-01	5.5E-01	4.1E-09
2.3E+01	8.0E-07	1.0E-03	1.9E-08	1.6E-01	5.5E-01	1.6E-09	2.5E+01	2.5E-06	1.0E-03	6.5E-08	1.6E-01	5.5E-01	5.6E-09
2.9E+01	8.0E-07	1.0E-03	2.4E-08	1.6E-01	5.5E-01	2.1E-09	3.7E+01	2.5E-06	1.0E-03	9.6E-08	1.6E-01	5.5E-01	8.3E-09
3.8E+01	8.0E-07	1.0E-03	3.2E-08	1.6E-01	5.5E-01	2.7E-09	5.7E+01	2.5E-06	1.0E-03	1.5E-07	1.6E-01	5.5E-01	1.3E-08
4.8E+01	8.0E-07	1.0E-03	4.0E-08	1.6E-01	5.5E-01	3.4E-09	1.8E+01	2.5E-06	1.0E-03	4.7E-08	1.6E-01	5.5E-01	4.1E-09
5.4E+01	8.0E-07	1.0E-03	4.5E-08	1.6E-01	5.5E-01	3.9E-09	2.7E+01	2.5E-06	1.0E-03	7.1E-08	1.6E-01	5.5E-01	6.1E-09
5.3E+01	8.0E-07	1.0E-03	4.4E-08	1.6E-01	5.5E-01	3.8E-09	4.4E+01	2.5E-06	1.0E-03	1.1E-07	1.6E-01	5.5E-01	9.8E-09
4.7E+01	8.0E-07	1.0E-03	3.9E-08	1.6E-01	5.5E-01	3.4E-09	0.0E+00	2.5E-06	1.0E-03	0.0E+00	1.6E-01	5.5E-01	0.0E+00
4.0E+01	8.0E-07	1.0E-03	3.3E-08	1.6E-01	5.5E-01	2.9E-09	0.0E+00	2.5E-06	1.0E-03	0.0E+00	1.6E-01	5.5E-01	0.0E+00
3.4E+01	8.0E-07	1.0E-03	2.8E-08	1.6E-01	5.5E-01	2.4E-09	4.3E+01	2.5E-06	1.0E-03	1.1E-07	1.6E-01	5.5E-01	9.8E-09
2.9E+01	8.0E-07	1.0E-03	2.4E-08	1.6E-01	5.5E-01	2.0E-09	3.0E+01	2.5E-06	1.0E-03	7.9E-08	1.6E-01	5.5E-01	6.8E-09
2.4E+01	8.0E-07	1.0E-03	2.0E-08	1.6E-01	5.5E-01	1.8E-09	2.2E+01	2.5E-06	1.0E-03	5.9E-08	1.6E-01	5.5E-01	5.1E-09
2.1E+01	8.0E-07	1.0E-03	1.8E-08	1.6E-01	5.5E-01	1.5E-09	6.1E+01	2.5E-06	1.0E-03	1.6E-07	1.6E-01	5.5E-01	1.4E-08
1.8E+01	8.0E-07	1.0E-03	1.5E-08	1.6E-01	5.5E-01	1.3E-09	4.4E+01	2.5E-06	1.0E-03	1.2E-07	1.6E-01	5.5E-01	1.0E-08
1.6E+01	8.0E-07	1.0E-03	1.3E-08	1.6E-01	5.5E-01	1.1E-09	3.4E+01	2.5E-06	1.0E-03	8.9E-08	1.6E-01	5.5E-01	7.6E-09
1.4E+01	8.0E-07	1.0E-03	1.2E-08	1.6E-01	5.5E-01	1.0E-09	2.7E+01	2.5E-06	1.0E-03	7.0E-08	1.6E-01	5.5E-01	6.0E-09
1.2E+01	8.0E-07	1.0E-03	1.0E-08	1.6E-01	5.5E-01	8.9E-10	2.2E+01	2.5E-06	1.0E-03	5.7E-08	1.6E-01	5.5E-01	4.9E-09
1.1E+01	8.0E-07	1.0E-03	9.1E-09	1.6E-01	5.5E-01	7.8E-10	1.8E+01	2.5E-06	1.0E-03	4.7E-08	1.6E-01	5.5E-01	4.0E-09
9.7E+00	8.0E-07	1.0E-03	8.1E-09	1.6E-01	5.5E-01	7.0E-10	1.5E+01	2.5E-06	1.0E-03	3.9E-08	1.6E-01	5.5E-01	3.4E-09
8.7E+00	8.0E-07	1.0E-03	7.2E-09	1.6E-01	5.5E-01	6.2E-10	1.3E+01	2.5E-06	1.0E-03	3.3E-08	1.6E-01	5.5E-01	2.9E-09
7.8E+00	8.0E-07	1.0E-03	6.4E-09	1.6E-01	5.5E-01	5.6E-10	1.1E+01	2.5E-06	1.0E-03	2.8E-08	1.6E-01	5.5E-01	2.5E-09
7.0E+00	8.0E-07	1.0E-03	5.8E-09	1.6E-01	5.5E-01	5.0E-10	9.4E+00	2.5E-06	1.0E-03	2.5E-08	1.6E-01	5.5E-01	2.1E-09
6.3E+00	8.0E-07	1.0E-03	5.2E-09	1.6E-01	5.5E-01	4.5E-10	8.2E+00	2.5E-06	1.0E-03	2.2E-08	1.6E-01	5.5E-01	1.9E-09
5.7E+00	8.0E-07	1.0E-03	4.8E-09	1.6E-01	5.5E-01	4.1E-10	7.3E+00	2.5E-06	1.0E-03	1.9E-08	1.6E-01	5.5E-01	1.6E-09
5.2E+00	8.0E-07	1.0E-03	4.3E-09	1.6E-01	5.5E-01	3.7E-10	6.5E+00	2.5E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-01	1.5E-09
4.8E+00	8.0E-07	1.0E-03	4.0E-09	1.6E-01	5.5E-01	3.4E-10	5.8E+00	2.5E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-01	1.3E-09
2.1E+01	8.0E-07	1.0E-03	1.8E-08	1.6E-01	5.5E-01	1.5E-09	1.9E+01	2.5E-06	1.0E-03	5.0E-08	1.6E-01	5.5E-01	4.3E-09
2.9E+01	8.0E-07	1.0E-03	2.4E-08	1.6E-01	5.5E-01	2.1E-09	2.7E+01	2.5E-06	1.0E-03	7.1E-08	1.6E-01	5.5E-01	6.1E-09
4.0E+01	8.0E-07	1.0E-03	3.3E-08	1.6E-01	5.5E-01	2.9E-09	4.1E+01	2.5E-06	1.0E-03	1.1E-07	1.6E-01	5.5E-01	9.3E-09
5.7E+01	8.0E-07	1.0E-03	4.8E-08	1.6E-01	5.5E-01	4.1E-09	1.3E+01	2.5E-06	1.0E-03	3.4E-08	1.6E-01	5.5E-01	3.0E-09
2.2E+01	8.0E-07	1.0E-03	1.9E-08	1.6E-01	5.5E-01	1.6E-09	2.0E+01	2.5E-06	1.0E-03	5.2E-08	1.6E-01	5.5E-01	4.5E-09
2.5E+01	8.0E-07	1.0E-03	2.1E-08	1.6E-01	5.5E-01	1.8E-09	3.1E+01	2.5E-06	1.0E-03	8.2E-08	1.6E-01	5.5E-01	7.0E-09
2.6E+01	8.0E-07	1.0E-03	2.1E-08	1.6E-01	5.5E-01	1.8E-09	0.0E+00	2.5E-06	1.0E-03	0.0E+00	1.6E-01	5.5E-01	0.0E+00
6.8E+01	8.0E-07	1.0E-03	5.7E-08	1.6E-01	5.5E-01	4.9E-09	0.0E+00	2.5E-06	1.0E-03	0.0E+00	1.6E-01	5.5E-01	0.0E+00
5.2E+01	8.0E-07	1.0E-03	4.3E-08	1.6E-01	5.5E-01	3.7E-09	0.0E+00	2.5E-06	1.0E-03	0.0E+00	1.6E-01	5.5E-01	0.0E+00
4.1E+01	8.0E-07	1.0E-03	3.4E-08	1.6E-01	5.5E-01	2.9E-09	5.0E+01	2.5E-06	1.0E-03	1.3E-07	1.6E-01	5.5E-01	1.1E-08
3.3E+01	8.0E-07	1.0E-03	2.8E-08	1.6E-01	5.5E-01	2.4E-09	3.2E+01	2.5E-06	1.0E-03	8.4E-08	1.6E-01	5.5E-01	7.3E-09

2.8E+01	8.0E-07	1.0E-03	2.3E-08	1.6E-01	5.5E-01	2.0E-09	2.3E+01	2.5E-06	1.0E-03	6.1E-08	1.6E-01	5.5E-01	5.2E-09
2.3E+01	8.0E-07	1.0E-03	1.9E-08	1.6E-01	5.5E-01	1.7E-09	6.8E+01	2.5E-06	1.0E-03	1.8E-07	1.6E-01	5.5E-01	1.5E-08
2.0E+01	8.0E-07	1.0E-03	1.6E-08	1.6E-01	5.5E-01	1.4E-09	4.6E+01	2.5E-06	1.0E-03	1.2E-07	1.6E-01	5.5E-01	1.1E-08
1.7E+01	8.0E-07	1.0E-03	1.4E-08	1.6E-01	5.5E-01	1.2E-09	3.4E+01	2.5E-06	1.0E-03	9.0E-08	1.6E-01	5.5E-01	7.8E-09
1.5E+01	8.0E-07	1.0E-03	1.2E-08	1.6E-01	5.5E-01	1.1E-09	2.7E+01	2.5E-06	1.0E-03	7.0E-08	1.6E-01	5.5E-01	6.0E-09
1.3E+01	8.0E-07	1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.2E-10	2.1E+01	2.5E-06	1.0E-03	5.6E-08	1.6E-01	5.5E-01	4.9E-09
1.1E+01	8.0E-07	1.0E-03	9.4E-09	1.6E-01	5.5E-01	8.1E-10	1.8E+01	2.5E-06	1.0E-03	4.6E-08	1.6E-01	5.5E-01	4.0E-09
9.9E+00	8.0E-07	1.0E-03	8.3E-09	1.6E-01	5.5E-01	7.1E-10	1.5E+01	2.5E-06	1.0E-03	3.8E-08	1.6E-01	5.5E-01	3.3E-09
8.8E+00	8.0E-07	1.0E-03	7.3E-09	1.6E-01	5.5E-01	6.3E-10	1.2E+01	2.5E-06	1.0E-03	3.2E-08	1.6E-01	5.5E-01	2.8E-09
7.8E+00	8.0E-07	1.0E-03	6.5E-09	1.6E-01	5.5E-01	5.6E-10	1.1E+01	2.5E-06	1.0E-03	2.8E-08	1.6E-01	5.5E-01	2.4E-09
7.0E+00	8.0E-07	1.0E-03	5.8E-09	1.6E-01	5.5E-01	5.0E-10	9.2E+00	2.5E-06	1.0E-03	2.4E-08	1.6E-01	5.5E-01	2.1E-09
6.3E+00	8.0E-07	1.0E-03	5.2E-09	1.6E-01	5.5E-01	4.5E-10	8.0E+00	2.5E-06	1.0E-03	2.1E-08	1.6E-01	5.5E-01	1.8E-09
5.7E+00	8.0E-07	1.0E-03	4.7E-09	1.6E-01	5.5E-01	4.1E-10	7.0E+00	2.5E-06	1.0E-03	1.9E-08	1.6E-01	5.5E-01	1.6E-09
5.2E+00	8.0E-07	1.0E-03	4.3E-09	1.6E-01	5.5E-01	3.7E-10	6.3E+00	2.5E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-01	1.4E-09
4.7E+00	8.0E-07	1.0E-03	3.9E-09	1.6E-01	5.5E-01	3.4E-10	5.6E+00	2.5E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-01	1.3E-09
2.5E+01	8.0E-07	1.0E-03	2.1E-08	1.6E-01	5.5E-01	1.8E-09	1.9E+01	2.5E-06	1.0E-03	5.0E-08	1.6E-01	5.5E-01	4.3E-09
3.6E+01	8.0E-07	1.0E-03	3.0E-08	1.6E-01	5.5E-01	2.5E-09	2.7E+01	2.5E-06	1.0E-03	7.2E-08	1.6E-01	5.5E-01	6.2E-09
5.3E+01	8.0E-07	1.0E-03	4.4E-08	1.6E-01	5.5E-01	3.8E-09	4.2E+01	2.5E-06	1.0E-03	1.1E-07	1.6E-01	5.5E-01	9.4E-09
2.8E+01	8.0E-07	1.0E-03	2.3E-08	1.6E-01	5.5E-01	2.0E-09	1.3E+01	2.5E-06	1.0E-03	3.5E-08	1.6E-01	5.5E-01	3.0E-09
3.4E+01	8.0E-07	1.0E-03	2.8E-08	1.6E-01	5.5E-01	2.4E-09	2.0E+01	2.5E-06	1.0E-03	5.2E-08	1.6E-01	5.5E-01	4.5E-09
1.3E+01	8.0E-07	1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.4E-10	2.1E+01	2.5E-06	1.0E-03	5.4E-08	1.6E-01	5.5E-01	4.7E-09
1.1E+01	8.0E-07	1.0E-03	9.5E-09	1.6E-01	5.5E-01	8.2E-10	1.7E+01	2.5E-06	1.0E-03	4.4E-08	1.6E-01	5.5E-01	3.8E-09
1.0E+01	8.0E-07	1.0E-03	8.3E-09	1.6E-01	5.5E-01	7.2E-10	1.4E+01	2.5E-06	1.0E-03	3.7E-08	1.6E-01	5.5E-01	3.2E-09
8.8E+00	8.0E-07	1.0E-03	7.3E-09	1.6E-01	5.5E-01	6.3E-10	1.2E+01	2.5E-06	1.0E-03	3.1E-08	1.6E-01	5.5E-01	2.7E-09
7.8E+00	8.0E-07	1.0E-03	6.5E-09	1.6E-01	5.5E-01	5.6E-10	1.0E+01	2.5E-06	1.0E-03	2.7E-08	1.6E-01	5.5E-01	2.3E-09
7.0E+00	8.0E-07	1.0E-03	5.8E-09	1.6E-01	5.5E-01	5.0E-10	8.8E+00	2.5E-06	1.0E-03	2.3E-08	1.6E-01	5.5E-01	2.0E-09
6.3E+00	8.0E-07	1.0E-03	5.2E-09	1.6E-01	5.5E-01	4.5E-10	7.7E+00	2.5E-06	1.0E-03	2.0E-08	1.6E-01	5.5E-01	1.7E-09
5.6E+00	8.0E-07	1.0E-03	4.7E-09	1.6E-01	5.5E-01	4.0E-10	6.8E+00	2.5E-06	1.0E-03	1.8E-08	1.6E-01	5.5E-01	1.5E-09
5.1E+00	8.0E-07	1.0E-03	4.2E-09	1.6E-01	5.5E-01	3.7E-10	6.0E+00	2.5E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-01	1.4E-09
4.6E+00	8.0E-07	1.0E-03	3.9E-09	1.6E-01	5.5E-01	3.3E-10	5.4E+00	2.5E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-01	1.2E-09
2.9E+01	8.0E-07	1.0E-03	2.4E-08	1.6E-01	5.5E-01	2.0E-09	1.8E+01	2.5E-06	1.0E-03	4.8E-08	1.6E-01	5.5E-01	4.1E-09
4.2E+01	8.0E-07	1.0E-03	3.5E-08	1.6E-01	5.5E-01	3.0E-09	2.6E+01	2.5E-06	1.0E-03	6.7E-08	1.6E-01	5.5E-01	5.8E-09
6.4E+01	8.0E-07	1.0E-03	5.4E-08	1.6E-01	5.5E-01	4.6E-09	3.8E+01	2.5E-06	1.0E-03	9.9E-08	1.6E-01	5.5E-01	8.5E-09
4.2E+01	8.0E-07	1.0E-03	3.5E-08	1.6E-01	5.5E-01	3.0E-09	1.2E+01	2.5E-06	1.0E-03	3.3E-08	1.6E-01	5.5E-01	2.8E-09
5.7E+01	8.0E-07	1.0E-03	4.7E-08	1.6E-01	5.5E-01	4.1E-09	1.8E+01	2.5E-06	1.0E-03	4.8E-08	1.6E-01	5.5E-01	4.2E-09
1.3E+01	8.0E-07	1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.5E-10	1.9E+01	2.5E-06	1.0E-03	5.0E-08	1.6E-01	5.5E-01	4.3E-09
1.1E+01	8.0E-07	1.0E-03	9.5E-09	1.6E-01	5.5E-01	8.2E-10	1.6E+01	2.5E-06	1.0E-03	4.1E-08	1.6E-01	5.5E-01	3.6E-09
1.0E+01	8.0E-07	1.0E-03	8.3E-09	1.6E-01	5.5E-01	7.1E-10	1.3E+01	2.5E-06	1.0E-03	3.5E-08	1.6E-01	5.5E-01	3.0E-09
8.8E+00	8.0E-07	1.0E-03	7.3E-09	1.6E-01	5.5E-01	6.3E-10	1.1E+01	2.5E-06	1.0E-03	2.9E-08	1.6E-01	5.5E-01	2.5E-09
7.7E+00	8.0E-07	1.0E-03	6.4E-09	1.6E-01	5.5E-01	5.5E-10	9.6E+00	2.5E-06	1.0E-03	2.5E-08	1.6E-01	5.5E-01	2.2E-09
6.9E+00	8.0E-07	1.0E-03	5.7E-09	1.6E-01	5.5E-01	4.9E-10	8.3E+00	2.5E-06	1.0E-03	2.2E-08	1.6E-01	5.5E-01	1.9E-09
6.1E+00	8.0E-07	1.0E-03	5.1E-09	1.6E-01	5.5E-01	4.4E-10	7.3E+00	2.5E-06	1.0E-03	1.9E-08	1.6E-01	5.5E-01	1.6E-09
5.5E+00	8.0E-07	1.0E-03	4.6E-09	1.6E-01	5.5E-01	4.0E-10	6.4E+00	2.5E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-01	1.5E-09
5.0E+00	8.0E-07	1.0E-03	4.2E-09	1.6E-01	5.5E-01	3.6E-10	5.7E+00	2.5E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-01	1.3E-09
4.5E+00	8.0E-07	1.0E-03	3.8E-09	1.6E-01	5.5E-01	3.2E-10	5.1E+00	2.5E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-01	1.2E-09
3.1E+01	8.0E-07	1.0E-03	2.6E-08	1.6E-01	5.5E-01	2.2E-09	1.6E+01	2.5E-06	1.0E-03	4.3E-08	1.6E-01	5.5E-01	3.7E-09

4.5E+01	8.0E-07	1.0E-03	3.8E-08	1.6E-01	5.5E-01	3.3E-09	2.2E+01	2.5E-06	1.0E-03	5.8E-08	1.6E-01	5.5E-01	5.0E-09
7.1E+01	8.0E-07	1.0E-03	5.9E-08	1.6E-01	5.5E-01	5.1E-09	3.1E+01	2.5E-06	1.0E-03	8.1E-08	1.6E-01	5.5E-01	7.0E-09
1.7E+01	8.0E-07	1.0E-03	1.4E-08	1.6E-01	5.5E-01	1.2E-09	4.5E+01	2.5E-06	1.0E-03	1.2E-07	1.6E-01	5.5E-01	1.0E-08
2.0E+01	8.0E-07	1.0E-03	1.7E-08	1.6E-01	5.5E-01	1.4E-09	1.5E+01	2.5E-06	1.0E-03	4.0E-08	1.6E-01	5.5E-01	3.5E-09
1.3E+01	8.0E-07	1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.4E-10	1.7E+01	2.5E-06	1.0E-03	4.5E-08	1.6E-01	5.5E-01	3.9E-09
1.1E+01	8.0E-07	1.0E-03	9.4E-09	1.6E-01	5.5E-01	8.1E-10	1.4E+01	2.5E-06	1.0E-03	3.8E-08	1.6E-01	5.5E-01	3.3E-09
9.8E+00	8.0E-07	1.0E-03	8.2E-09	1.6E-01	5.5E-01	7.0E-10	1.2E+01	2.5E-06	1.0E-03	3.2E-08	1.6E-01	5.5E-01	2.7E-09
8.6E+00	8.0E-07	1.0E-03	7.1E-09	1.6E-01	5.5E-01	6.1E-10	1.0E+01	2.5E-06	1.0E-03	2.7E-08	1.6E-01	5.5E-01	2.3E-09
7.6E+00	8.0E-07	1.0E-03	6.3E-09	1.6E-01	5.5E-01	5.4E-10	9.0E+00	2.5E-06	1.0E-03	2.4E-08	1.6E-01	5.5E-01	2.0E-09
6.7E+00	8.0E-07	1.0E-03	5.6E-09	1.6E-01	5.5E-01	4.8E-10	7.8E+00	2.5E-06	1.0E-03	2.1E-08	1.6E-01	5.5E-01	1.8E-09
6.0E+00	8.0E-07	1.0E-03	5.0E-09	1.6E-01	5.5E-01	4.3E-10	6.9E+00	2.5E-06	1.0E-03	1.8E-08	1.6E-01	5.5E-01	1.6E-09
5.4E+00	8.0E-07	1.0E-03	4.5E-09	1.6E-01	5.5E-01	3.8E-10	6.1E+00	2.5E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-01	1.4E-09
4.9E+00	8.0E-07	1.0E-03	4.0E-09	1.6E-01	5.5E-01	3.5E-10	5.4E+00	2.5E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-01	1.2E-09
4.4E+00	8.0E-07	1.0E-03	3.7E-09	1.6E-01	5.5E-01	3.2E-10	4.9E+00	2.5E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-01	1.1E-09
3.2E+01	8.0E-07	1.0E-03	2.7E-08	1.6E-01	5.5E-01	2.3E-09	1.5E+01	2.5E-06	1.0E-03	3.8E-08	1.6E-01	5.5E-01	3.3E-09
4.7E+01	8.0E-07	1.0E-03	3.9E-08	1.6E-01	5.5E-01	3.4E-09	1.9E+01	2.5E-06	1.0E-03	4.9E-08	1.6E-01	5.5E-01	4.2E-09
7.5E+01	8.0E-07	1.0E-03	6.2E-08	1.6E-01	5.5E-01	5.3E-09	2.5E+01	2.5E-06	1.0E-03	6.5E-08	1.6E-01	5.5E-01	5.6E-09
6.2E+01	8.0E-07	1.0E-03	5.2E-08	1.6E-01	5.5E-01	4.5E-09	3.3E+01	2.5E-06	1.0E-03	8.6E-08	1.6E-01	5.5E-01	7.4E-09
3.4E+01	8.0E-07	1.0E-03	2.8E-08	1.6E-01	5.5E-01	2.4E-09	4.4E+01	2.5E-06	1.0E-03	1.1E-07	1.6E-01	5.5E-01	9.9E-09
1.3E+01	8.0E-07	1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.1E-10	1.5E+01	2.5E-06	1.0E-03	4.0E-08	1.6E-01	5.5E-01	3.5E-09
1.1E+01	8.0E-07	1.0E-03	9.1E-09	1.6E-01	5.5E-01	7.9E-10	1.3E+01	2.5E-06	1.0E-03	3.4E-08	1.6E-01	5.5E-01	2.9E-09
9.5E+00	8.0E-07	1.0E-03	7.9E-09	1.6E-01	5.5E-01	6.8E-10	1.1E+01	2.5E-06	1.0E-03	2.9E-08	1.6E-01	5.5E-01	2.5E-09
8.3E+00	8.0E-07	1.0E-03	6.9E-09	1.6E-01	5.5E-01	6.0E-10	9.6E+00	2.5E-06	1.0E-03	2.5E-08	1.6E-01	5.5E-01	2.2E-09
7.3E+00	8.0E-07	1.0E-03	6.1E-09	1.6E-01	5.5E-01	5.3E-10	8.3E+00	2.5E-06	1.0E-03	2.2E-08	1.6E-01	5.5E-01	1.9E-09
6.5E+00	8.0E-07	1.0E-03	5.4E-09	1.6E-01	5.5E-01	4.7E-10	7.3E+00	2.5E-06	1.0E-03	1.9E-08	1.6E-01	5.5E-01	1.6E-09
5.8E+00	8.0E-07	1.0E-03	4.8E-09	1.6E-01	5.5E-01	4.2E-10	6.4E+00	2.5E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-01	1.5E-09
5.2E+00	8.0E-07	1.0E-03	4.3E-09	1.6E-01	5.5E-01	3.7E-10	5.7E+00	2.5E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-01	1.3E-09
4.7E+00	8.0E-07	1.0E-03	3.9E-09	1.6E-01	5.5E-01	3.4E-10	5.1E+00	2.5E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-01	1.2E-09
4.3E+00	8.0E-07	1.0E-03	3.5E-09	1.6E-01	5.5E-01	3.0E-10	4.6E+00	2.5E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-01	1.0E-09
3.2E+01	8.0E-07	1.0E-03	2.7E-08	1.6E-01	5.5E-01	2.3E-09	1.3E+01	2.5E-06	1.0E-03	3.3E-08	1.6E-01	5.5E-01	2.8E-09
4.7E+01	8.0E-07	1.0E-03	3.9E-08	1.6E-01	5.5E-01	3.4E-09	1.6E+01	2.5E-06	1.0E-03	4.1E-08	1.6E-01	5.5E-01	3.5E-09
7.4E+01	8.0E-07	1.0E-03	6.1E-08	1.6E-01	5.5E-01	5.3E-09	2.0E+01	2.5E-06	1.0E-03	5.1E-08	1.6E-01	5.5E-01	4.4E-09
6.2E+01	8.0E-07	1.0E-03	5.2E-08	1.6E-01	5.5E-01	4.5E-09	2.4E+01	2.5E-06	1.0E-03	6.4E-08	1.6E-01	5.5E-01	5.5E-09
3.0E+01	8.0E-07	1.0E-03	2.5E-08	1.6E-01	5.5E-01	2.1E-09	3.0E+01	2.5E-06	1.0E-03	8.0E-08	1.6E-01	5.5E-01	6.9E-09
1.2E+01	8.0E-07	1.0E-03	1.0E-08	1.6E-01	5.5E-01	8.8E-10	1.3E+01	2.5E-06	1.0E-03	3.5E-08	1.6E-01	5.5E-01	3.0E-09
1.1E+01	8.0E-07	1.0E-03	8.8E-09	1.6E-01	5.5E-01	7.6E-10	1.2E+01	2.5E-06	1.0E-03	3.0E-08	1.6E-01	5.5E-01	2.6E-09
9.1E+00	8.0E-07	1.0E-03	7.6E-09	1.6E-01	5.5E-01	6.5E-10	1.0E+01	2.5E-06	1.0E-03	2.6E-08	1.6E-01	5.5E-01	2.3E-09
8.0E+00	8.0E-07	1.0E-03	6.7E-09	1.6E-01	5.5E-01	5.7E-10	8.7E+00	2.5E-06	1.0E-03	2.3E-08	1.6E-01	5.5E-01	2.0E-09
7.0E+00	8.0E-07	1.0E-03	5.9E-09	1.6E-01	5.5E-01	5.0E-10	7.7E+00	2.5E-06	1.0E-03	2.0E-08	1.6E-01	5.5E-01	1.7E-09
6.2E+00	8.0E-07	1.0E-03	5.2E-09	1.6E-01	5.5E-01	4.5E-10	6.8E+00	2.5E-06	1.0E-03	1.8E-08	1.6E-01	5.5E-01	1.5E-09
5.6E+00	8.0E-07	1.0E-03	4.6E-09	1.6E-01	5.5E-01	4.0E-10	6.0E+00	2.5E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-01	1.4E-09
5.0E+00	8.0E-07	1.0E-03	4.2E-09	1.6E-01	5.5E-01	3.6E-10	5.3E+00	2.5E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-01	1.2E-09
4.5E+00	8.0E-07	1.0E-03	3.7E-09	1.6E-01	5.5E-01	3.2E-10	4.8E+00	2.5E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-01	1.1E-09
4.1E+00	8.0E-07	1.0E-03	3.4E-09	1.6E-01	5.5E-01	2.9E-10	4.3E+00	2.5E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.8E-10
3.0E+01	8.0E-07	1.0E-03	2.5E-08	1.6E-01	5.5E-01	2.2E-09	1.1E+01	2.5E-06	1.0E-03	2.8E-08	1.6E-01	5.5E-01	2.4E-09
4.5E+01	8.0E-07	1.0E-03	3.7E-08	1.6E-01	5.5E-01	3.2E-09	1.3E+01	2.5E-06	1.0E-03	3.4E-08	1.6E-01	5.5E-01	2.9E-09

7.0E+01	8.0E-07	1.0E-03	5.8E-08	1.6E-01	5.5E-01	5.0E-09	1.6E+01	2.5E-06	1.0E-03	4.1E-08	1.6E-01	5.5E-01	3.6E-09
1.5E+01	8.0E-07	1.0E-03	1.2E-08	1.6E-01	5.5E-01	1.1E-09	1.9E+01	2.5E-06	1.0E-03	4.9E-08	1.6E-01	5.5E-01	4.3E-09
1.8E+01	8.0E-07	1.0E-03	1.5E-08	1.6E-01	5.5E-01	1.3E-09	2.2E+01	2.5E-06	1.0E-03	5.9E-08	1.6E-01	5.5E-01	5.1E-09
1.2E+01	8.0E-07	1.0E-03	9.6E-09	1.6E-01	5.5E-01	8.3E-10	1.2E+01	2.5E-06	1.0E-03	3.1E-08	1.6E-01	5.5E-01	2.7E-09
1.0E+01	8.0E-07	1.0E-03	8.3E-09	1.6E-01	5.5E-01	7.1E-10	1.0E+01	2.5E-06	1.0E-03	2.7E-08	1.6E-01	5.5E-01	2.3E-09
8.7E+00	8.0E-07	1.0E-03	7.2E-09	1.6E-01	5.5E-01	6.2E-10	9.0E+00	2.5E-06	1.0E-03	2.4E-08	1.6E-01	5.5E-01	2.0E-09
7.6E+00	8.0E-07	1.0E-03	6.3E-09	1.6E-01	5.5E-01	5.4E-10	7.9E+00	2.5E-06	1.0E-03	2.1E-08	1.6E-01	5.5E-01	1.8E-09
6.7E+00	8.0E-07	1.0E-03	5.6E-09	1.6E-01	5.5E-01	4.8E-10	7.0E+00	2.5E-06	1.0E-03	1.8E-08	1.6E-01	5.5E-01	1.6E-09
6.0E+00	8.0E-07	1.0E-03	5.0E-09	1.6E-01	5.5E-01	4.3E-10	6.2E+00	2.5E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-01	1.4E-09
5.3E+00	8.0E-07	1.0E-03	4.4E-09	1.6E-01	5.5E-01	3.8E-10	5.6E+00	2.5E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-01	1.3E-09
4.8E+00	8.0E-07	1.0E-03	4.0E-09	1.6E-01	5.5E-01	3.4E-10	5.0E+00	2.5E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-01	1.1E-09
4.3E+00	8.0E-07	1.0E-03	3.6E-09	1.6E-01	5.5E-01	3.1E-10	4.5E+00	2.5E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-01	1.0E-09
3.9E+00	8.0E-07	1.0E-03	3.3E-09	1.6E-01	5.5E-01	2.8E-10	4.1E+00	2.5E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.2E-10
2.8E+01	8.0E-07	1.0E-03	2.3E-08	1.6E-01	5.5E-01	2.0E-09	9.1E+00	2.5E-06	1.0E-03	2.4E-08	1.6E-01	5.5E-01	2.1E-09
4.0E+01	8.0E-07	1.0E-03	3.3E-08	1.6E-01	5.5E-01	2.8E-09	1.1E+01	2.5E-06	1.0E-03	2.8E-08	1.6E-01	5.5E-01	2.4E-09
6.1E+01	8.0E-07	1.0E-03	5.1E-08	1.6E-01	5.5E-01	4.4E-09	1.3E+01	2.5E-06	1.0E-03	3.3E-08	1.6E-01	5.5E-01	2.8E-09
3.9E+01	8.0E-07	1.0E-03	3.2E-08	1.6E-01	5.5E-01	2.8E-09	1.5E+01	2.5E-06	1.0E-03	3.9E-08	1.6E-01	5.5E-01	3.4E-09
5.0E+01	8.0E-07	1.0E-03	4.2E-08	1.6E-01	5.5E-01	3.6E-09	1.7E+01	2.5E-06	1.0E-03	4.5E-08	1.6E-01	5.5E-01	3.9E-09
1.1E+01	8.0E-07	1.0E-03	9.0E-09	1.6E-01	5.5E-01	7.7E-10	1.0E+01	2.5E-06	1.0E-03	2.7E-08	1.6E-01	5.5E-01	2.3E-09
9.3E+00	8.0E-07	1.0E-03	7.8E-09	1.6E-01	5.5E-01	6.7E-10	9.1E+00	2.5E-06	1.0E-03	2.4E-08	1.6E-01	5.5E-01	2.1E-09
8.2E+00	8.0E-07	1.0E-03	6.8E-09	1.6E-01	5.5E-01	5.8E-10	8.1E+00	2.5E-06	1.0E-03	2.1E-08	1.6E-01	5.5E-01	1.8E-09
7.2E+00	8.0E-07	1.0E-03	6.0E-09	1.6E-01	5.5E-01	5.1E-10	7.2E+00	2.5E-06	1.0E-03	1.9E-08	1.6E-01	5.5E-01	1.6E-09
6.3E+00	8.0E-07	1.0E-03	5.3E-09	1.6E-01	5.5E-01	4.5E-10	6.4E+00	2.5E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-01	1.5E-09
5.7E+00	8.0E-07	1.0E-03	4.7E-09	1.6E-01	5.5E-01	4.1E-10	5.8E+00	2.5E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-01	1.3E-09
5.1E+00	8.0E-07	1.0E-03	4.2E-09	1.6E-01	5.5E-01	3.6E-10	5.2E+00	2.5E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-01	1.2E-09
4.6E+00	8.0E-07	1.0E-03	3.8E-09	1.6E-01	5.5E-01	3.3E-10	4.7E+00	2.5E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-01	1.1E-09
4.1E+00	8.0E-07	1.0E-03	3.4E-09	1.6E-01	5.5E-01	3.0E-10	4.2E+00	2.5E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.6E-10
3.7E+00	8.0E-07	1.0E-03	3.1E-09	1.6E-01	5.5E-01	2.7E-10	3.9E+00	2.5E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-01	8.7E-10
2.4E+01	8.0E-07	1.0E-03	2.0E-08	1.6E-01	5.5E-01	1.7E-09	7.8E+00	2.5E-06	1.0E-03	2.0E-08	1.6E-01	5.5E-01	1.8E-09
3.4E+01	8.0E-07	1.0E-03	2.8E-08	1.6E-01	5.5E-01	2.4E-09	9.0E+00	2.5E-06	1.0E-03	2.4E-08	1.6E-01	5.5E-01	2.0E-09
5.0E+01	8.0E-07	1.0E-03	4.1E-08	1.6E-01	5.5E-01	3.5E-09	1.0E+01	2.5E-06	1.0E-03	2.7E-08	1.6E-01	5.5E-01	2.3E-09
2.6E+01	8.0E-07	1.0E-03	2.1E-08	1.6E-01	5.5E-01	1.8E-09	1.2E+01	2.5E-06	1.0E-03	3.2E-08	1.6E-01	5.5E-01	2.7E-09
3.1E+01	8.0E-07	1.0E-03	2.6E-08	1.6E-01	5.5E-01	2.2E-09	1.4E+01	2.5E-06	1.0E-03	3.6E-08	1.6E-01	5.5E-01	3.1E-09
9.9E+00	8.0E-07	1.0E-03	8.3E-09	1.6E-01	5.5E-01	7.1E-10	9.1E+00	2.5E-06	1.0E-03	2.4E-08	1.6E-01	5.5E-01	2.0E-09
8.7E+00	8.0E-07	1.0E-03	7.2E-09	1.6E-01	5.5E-01	6.2E-10	8.1E+00	2.5E-06	1.0E-03	2.1E-08	1.6E-01	5.5E-01	1.8E-09
7.6E+00	8.0E-07	1.0E-03	6.3E-09	1.6E-01	5.5E-01	5.4E-10	7.3E+00	2.5E-06	1.0E-03	1.9E-08	1.6E-01	5.5E-01	1.7E-09
6.7E+00	8.0E-07	1.0E-03	5.6E-09	1.6E-01	5.5E-01	4.8E-10	6.6E+00	2.5E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-01	1.5E-09
6.0E+00	8.0E-07	1.0E-03	5.0E-09	1.6E-01	5.5E-01	4.3E-10	5.9E+00	2.5E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-01	1.3E-09
5.3E+00	8.0E-07	1.0E-03	4.4E-09	1.6E-01	5.5E-01	3.8E-10	5.3E+00	2.5E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-01	1.2E-09
4.8E+00	8.0E-07	1.0E-03	4.0E-09	1.6E-01	5.5E-01	3.4E-10	4.8E+00	2.5E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-01	1.1E-09
4.3E+00	8.0E-07	1.0E-03	3.6E-09	1.6E-01	5.5E-01	3.1E-10	4.4E+00	2.5E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-01	9.9E-10
3.9E+00	8.0E-07	1.0E-03	3.3E-09	1.6E-01	5.5E-01	2.8E-10	4.0E+00	2.5E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-01	9.0E-10
3.6E+00	8.0E-07	1.0E-03	3.0E-09	1.6E-01	5.5E-01	2.6E-10	3.6E+00	2.5E-06	1.0E-03	9.6E-09	1.6E-01	5.5E-01	8.2E-10
2.0E+01	8.0E-07	1.0E-03	1.7E-08	1.6E-01	5.5E-01	1.5E-09	6.7E+00	2.5E-06	1.0E-03	1.8E-08	1.6E-01	5.5E-01	1.5E-09
2.7E+01	8.0E-07	1.0E-03	2.3E-08	1.6E-01	5.5E-01	2.0E-09	7.7E+00	2.5E-06	1.0E-03	2.0E-08	1.6E-01	5.5E-01	1.7E-09
3.8E+01	8.0E-07	1.0E-03	3.1E-08	1.6E-01	5.5E-01	2.7E-09	8.8E+00	2.5E-06	1.0E-03	2.3E-08	1.6E-01	5.5E-01	2.0E-09

5.3E+01	8.0E-07	1.0E-03	4.4E-08	1.6E-01	5.5E-01	3.8E-09	1.0E+01	2.5E-06	1.0E-03	2.6E-08	1.6E-01	5.5E-01	2.3E-09
2.0E+01	8.0E-07	1.0E-03	1.7E-08	1.6E-01	5.5E-01	1.5E-09	1.1E+01	2.5E-06	1.0E-03	2.9E-08	1.6E-01	5.5E-01	2.5E-09
9.1E+00	8.0E-07	1.0E-03	7.6E-09	1.6E-01	5.5E-01	6.5E-10	8.0E+00	2.5E-06	1.0E-03	2.1E-08	1.6E-01	5.5E-01	1.8E-09
8.0E+00	8.0E-07	1.0E-03	6.7E-09	1.6E-01	5.5E-01	5.7E-10	7.3E+00	2.5E-06	1.0E-03	1.9E-08	1.6E-01	5.5E-01	1.6E-09
7.1E+00	8.0E-07	1.0E-03	5.9E-09	1.6E-01	5.5E-01	5.1E-10	6.6E+00	2.5E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-01	1.5E-09
6.3E+00	8.0E-07	1.0E-03	5.2E-09	1.6E-01	5.5E-01	4.5E-10	6.0E+00	2.5E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-01	1.4E-09
5.6E+00	8.0E-07	1.0E-03	4.7E-09	1.6E-01	5.5E-01	4.0E-10	5.4E+00	2.5E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-01	1.2E-09
5.0E+00	8.0E-07	1.0E-03	4.2E-09	1.6E-01	5.5E-01	3.6E-10	4.9E+00	2.5E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-01	1.1E-09
4.5E+00	8.0E-07	1.0E-03	3.8E-09	1.6E-01	5.5E-01	3.2E-10	4.5E+00	2.5E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-01	1.0E-09
4.1E+00	8.0E-07	1.0E-03	3.4E-09	1.6E-01	5.5E-01	2.9E-10	4.1E+00	2.5E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.3E-10
3.7E+00	8.0E-07	1.0E-03	3.1E-09	1.6E-01	5.5E-01	2.7E-10	3.8E+00	2.5E-06	1.0E-03	9.9E-09	1.6E-01	5.5E-01	8.5E-10
3.4E+00	8.0E-07	1.0E-03	2.8E-09	1.6E-01	5.5E-01	2.4E-10	3.4E+00	2.5E-06	1.0E-03	9.0E-09	1.6E-01	5.5E-01	7.8E-10
1.7E+01	8.0E-07	1.0E-03	1.4E-08	1.6E-01	5.5E-01	1.2E-09	5.9E+00	2.5E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-01	1.3E-09
2.2E+01	8.0E-07	1.0E-03	1.8E-08	1.6E-01	5.5E-01	1.5E-09	6.6E+00	2.5E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-01	1.5E-09
2.8E+01	8.0E-07	1.0E-03	2.3E-08	1.6E-01	5.5E-01	2.0E-09	7.4E+00	2.5E-06	1.0E-03	1.9E-08	1.6E-01	5.5E-01	1.7E-09
3.6E+01	8.0E-07	1.0E-03	3.0E-08	1.6E-01	5.5E-01	2.5E-09	8.3E+00	2.5E-06	1.0E-03	2.2E-08	1.6E-01	5.5E-01	1.9E-09
4.3E+01	8.0E-07	1.0E-03	3.5E-08	1.6E-01	5.5E-01	3.0E-09	9.2E+00	2.5E-06	1.0E-03	2.4E-08	1.6E-01	5.5E-01	2.1E-09
8.3E+00	8.0E-07	1.0E-03	6.9E-09	1.6E-01	5.5E-01	6.0E-10	7.1E+00	2.5E-06	1.0E-03	1.9E-08	1.6E-01	5.5E-01	1.6E-09
7.4E+00	8.0E-07	1.0E-03	6.1E-09	1.6E-01	5.5E-01	5.3E-10	6.6E+00	2.5E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-01	1.5E-09
6.5E+00	8.0E-07	1.0E-03	5.4E-09	1.6E-01	5.5E-01	4.7E-10	6.0E+00	2.5E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-01	1.4E-09
5.8E+00	8.0E-07	1.0E-03	4.9E-09	1.6E-01	5.5E-01	4.2E-10	5.5E+00	2.5E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-01	1.2E-09
5.2E+00	8.0E-07	1.0E-03	4.4E-09	1.6E-01	5.5E-01	3.7E-10	5.0E+00	2.5E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-01	1.1E-09
4.7E+00	8.0E-07	1.0E-03	3.9E-09	1.6E-01	5.5E-01	3.4E-10	4.6E+00	2.5E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-01	1.0E-09
4.3E+00	8.0E-07	1.0E-03	3.6E-09	1.6E-01	5.5E-01	3.1E-10	4.2E+00	2.5E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.5E-10
3.9E+00	8.0E-07	1.0E-03	3.2E-09	1.6E-01	5.5E-01	2.8E-10	3.8E+00	2.5E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-01	8.7E-10
3.5E+00	8.0E-07	1.0E-03	2.9E-09	1.6E-01	5.5E-01	2.5E-10	3.5E+00	2.5E-06	1.0E-03	9.3E-09	1.6E-01	5.5E-01	8.0E-10
3.2E+00	8.0E-07	1.0E-03	2.7E-09	1.6E-01	5.5E-01	2.3E-10	3.2E+00	2.5E-06	1.0E-03	8.5E-09	1.6E-01	5.5E-01	7.3E-10
1.4E+01	8.0E-07	1.0E-03	1.2E-08	1.6E-01	5.5E-01	1.0E-09	5.2E+00	2.5E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-01	1.2E-09
1.7E+01	8.0E-07	1.0E-03	1.4E-08	1.6E-01	5.5E-01	1.2E-09	5.8E+00	2.5E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-01	1.3E-09
2.1E+01	8.0E-07	1.0E-03	1.7E-08	1.6E-01	5.5E-01	1.5E-09	6.4E+00	2.5E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-01	1.4E-09
2.5E+01	8.0E-07	1.0E-03	2.1E-08	1.6E-01	5.5E-01	1.8E-09	7.1E+00	2.5E-06	1.0E-03	1.9E-08	1.6E-01	5.5E-01	1.6E-09
2.8E+01	8.0E-07	1.0E-03	2.3E-08	1.6E-01	5.5E-01	2.0E-09	7.8E+00	2.5E-06	1.0E-03	2.0E-08	1.6E-01	5.5E-01	1.8E-09
7.6E+00	8.0E-07	1.0E-03	6.3E-09	1.6E-01	5.5E-01	5.4E-10	6.4E+00	2.5E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-01	1.4E-09
6.8E+00	8.0E-07	1.0E-03	5.6E-09	1.6E-01	5.5E-01	4.8E-10	5.9E+00	2.5E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-01	1.3E-09
6.0E+00	8.0E-07	1.0E-03	5.0E-09	1.6E-01	5.5E-01	4.3E-10	5.4E+00	2.5E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-01	1.2E-09
5.4E+00	8.0E-07	1.0E-03	4.5E-09	1.6E-01	5.5E-01	3.9E-10	5.0E+00	2.5E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-01	1.1E-09
4.9E+00	8.0E-07	1.0E-03	4.0E-09	1.6E-01	5.5E-01	3.5E-10	4.6E+00	2.5E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-01	1.0E-09
4.4E+00	8.0E-07	1.0E-03	3.7E-09	1.6E-01	5.5E-01	3.1E-10	4.2E+00	2.5E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.5E-10
4.0E+00	8.0E-07	1.0E-03	3.3E-09	1.6E-01	5.5E-01	2.9E-10	3.9E+00	2.5E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-01	8.8E-10
3.7E+00	8.0E-07	1.0E-03	3.0E-09	1.6E-01	5.5E-01	2.6E-10	3.6E+00	2.5E-06	1.0E-03	9.4E-09	1.6E-01	5.5E-01	8.1E-10
3.3E+00	8.0E-07	1.0E-03	2.8E-09	1.6E-01	5.5E-01	2.4E-10	3.3E+00	2.5E-06	1.0E-03	8.7E-09	1.6E-01	5.5E-01	7.5E-10
3.0E+00	8.0E-07	1.0E-03	2.5E-09	1.6E-01	5.5E-01	2.2E-10	3.0E+00	2.5E-06	1.0E-03	8.0E-09	1.6E-01	5.5E-01	6.9E-10
1.2E+01	8.0E-07	1.0E-03	9.6E-09	1.6E-01	5.5E-01	8.3E-10	4.6E+00	2.5E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-01	1.0E-09
1.4E+01	8.0E-07	1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.8E-10	5.1E+00	2.5E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-01	1.1E-09
1.6E+01	8.0E-07	1.0E-03	1.3E-08	1.6E-01	5.5E-01	1.2E-09	5.6E+00	2.5E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-01	1.3E-09
1.8E+01	8.0E-07	1.0E-03	1.5E-08	1.6E-01	5.5E-01	1.3E-09	6.1E+00	2.5E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-01	1.4E-09

2.0E+01	8.0E-07	1.0E-03	1.7E-08	1.6E-01	5.5E-01	1.4E-09	6.6E+00	2.5E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-01	1.5E-09
6.9E+00	8.0E-07	1.0E-03	5.7E-09	1.6E-01	5.5E-01	4.9E-10	5.7E+00	2.5E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-01	1.3E-09
6.2E+00	8.0E-07	1.0E-03	5.1E-09	1.6E-01	5.5E-01	4.4E-10	5.3E+00	2.5E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-01	1.2E-09
5.5E+00	8.0E-07	1.0E-03	4.6E-09	1.6E-01	5.5E-01	4.0E-10	4.9E+00	2.5E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-01	1.1E-09
5.0E+00	8.0E-07	1.0E-03	4.2E-09	1.6E-01	5.5E-01	3.6E-10	4.6E+00	2.5E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-01	1.0E-09
4.5E+00	8.0E-07	1.0E-03	3.7E-09	1.6E-01	5.5E-01	3.2E-10	4.2E+00	2.5E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.4E-10
4.0E+00	8.0E-07	1.0E-03	3.4E-09	1.6E-01	5.5E-01	2.9E-10	3.8E+00	2.5E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-01	8.7E-10
3.7E+00	8.0E-07	1.0E-03	3.1E-09	1.6E-01	5.5E-01	2.6E-10	3.6E+00	2.5E-06	1.0E-03	9.4E-09	1.6E-01	5.5E-01	8.1E-10
3.4E+00	8.0E-07	1.0E-03	2.8E-09	1.6E-01	5.5E-01	2.4E-10	3.3E+00	2.5E-06	1.0E-03	8.7E-09	1.6E-01	5.5E-01	7.5E-10
3.1E+00	8.0E-07	1.0E-03	2.6E-09	1.6E-01	5.5E-01	2.2E-10	3.1E+00	2.5E-06	1.0E-03	8.1E-09	1.6E-01	5.5E-01	6.9E-10
2.9E+00	8.0E-07	1.0E-03	2.4E-09	1.6E-01	5.5E-01	2.0E-10	2.8E+00	2.5E-06	1.0E-03	7.5E-09	1.6E-01	5.5E-01	6.4E-10
9.6E+00	8.0E-07	1.0E-03	8.0E-09	1.6E-01	5.5E-01	6.9E-10	4.1E+00	2.5E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.2E-10
1.1E+01	8.0E-07	1.0E-03	9.3E-09	1.6E-01	5.5E-01	8.0E-10	4.5E+00	2.5E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-01	1.0E-09
1.3E+01	8.0E-07	1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.1E-10	4.9E+00	2.5E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-01	1.1E-09
1.4E+01	8.0E-07	1.0E-03	1.2E-08	1.6E-01	5.5E-01	1.0E-09	5.3E+00	2.5E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-01	1.2E-09
1.5E+01	8.0E-07	1.0E-03	1.3E-08	1.6E-01	5.5E-01	1.1E-09	5.7E+00	2.5E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-01	1.3E-09
5.7E+00	8.0E-07	1.0E-03	4.7E-09	1.6E-01	5.5E-01	4.1E-10	4.9E+00	2.5E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-01	1.1E-09
5.1E+00	8.0E-07	1.0E-03	4.3E-09	1.6E-01	5.5E-01	3.7E-10	4.5E+00	2.5E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-01	1.0E-09
4.6E+00	8.0E-07	1.0E-03	3.8E-09	1.6E-01	5.5E-01	3.3E-10	4.2E+00	2.5E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.5E-10
4.1E+00	8.0E-07	1.0E-03	3.4E-09	1.6E-01	5.5E-01	2.9E-10	3.8E+00	2.5E-06	1.0E-03	9.9E-09	1.6E-01	5.5E-01	8.5E-10
3.7E+00	8.0E-07	1.0E-03	3.1E-09	1.6E-01	5.5E-01	2.6E-10	3.5E+00	2.5E-06	1.0E-03	9.1E-09	1.6E-01	5.5E-01	7.9E-10
3.4E+00	8.0E-07	1.0E-03	2.8E-09	1.6E-01	5.5E-01	2.4E-10	3.2E+00	2.5E-06	1.0E-03	8.5E-09	1.6E-01	5.5E-01	7.3E-10
3.1E+00	8.0E-07	1.0E-03	2.6E-09	1.6E-01	5.5E-01	2.2E-10	3.0E+00	2.5E-06	1.0E-03	7.9E-09	1.6E-01	5.5E-01	6.8E-10
2.9E+00	8.0E-07	1.0E-03	2.4E-09	1.6E-01	5.5E-01	2.0E-10	2.8E+00	2.5E-06	1.0E-03	7.4E-09	1.6E-01	5.5E-01	6.3E-10
2.7E+00	8.0E-07	1.0E-03	2.2E-09	1.6E-01	5.5E-01	1.9E-10	2.6E+00	2.5E-06	1.0E-03	6.9E-09	1.6E-01	5.5E-01	6.0E-10
8.2E+00	8.0E-07	1.0E-03	6.8E-09	1.6E-01	5.5E-01	5.8E-10	3.7E+00	2.5E-06	1.0E-03	9.7E-09	1.6E-01	5.5E-01	8.3E-10
9.3E+00	8.0E-07	1.0E-03	7.7E-09	1.6E-01	5.5E-01	6.6E-10	4.0E+00	2.5E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.1E-10
1.0E+01	8.0E-07	1.0E-03	8.6E-09	1.6E-01	5.5E-01	7.4E-10	4.3E+00	2.5E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.8E-10
1.1E+01	8.0E-07	1.0E-03	9.3E-09	1.6E-01	5.5E-01	8.0E-10	4.7E+00	2.5E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-01	1.1E-09
1.2E+01	8.0E-07	1.0E-03	9.9E-09	1.6E-01	5.5E-01	8.5E-10	5.0E+00	2.5E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-01	1.1E-09
4.8E+00	8.0E-07	1.0E-03	4.0E-09	1.6E-01	5.5E-01	3.4E-10	4.2E+00	2.5E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.4E-10
4.3E+00	8.0E-07	1.0E-03	3.6E-09	1.6E-01	5.5E-01	3.1E-10	3.9E+00	2.5E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-01	8.8E-10
3.9E+00	8.0E-07	1.0E-03	3.2E-09	1.6E-01	5.5E-01	2.8E-10	3.6E+00	2.5E-06	1.0E-03	9.4E-09	1.6E-01	5.5E-01	8.1E-10
3.6E+00	8.0E-07	1.0E-03	3.0E-09	1.6E-01	5.5E-01	2.6E-10	3.3E+00	2.5E-06	1.0E-03	8.8E-09	1.6E-01	5.5E-01	7.6E-10
3.3E+00	8.0E-07	1.0E-03	2.7E-09	1.6E-01	5.5E-01	2.3E-10	3.1E+00	2.5E-06	1.0E-03	8.2E-09	1.6E-01	5.5E-01	7.0E-10
3.0E+00	8.0E-07	1.0E-03	2.5E-09	1.6E-01	5.5E-01	2.1E-10	2.9E+00	2.5E-06	1.0E-03	7.5E-09	1.6E-01	5.5E-01	6.5E-10
2.7E+00	8.0E-07	1.0E-03	2.3E-09	1.6E-01	5.5E-01	2.0E-10	2.7E+00	2.5E-06	1.0E-03	7.0E-09	1.6E-01	5.5E-01	6.0E-10
2.5E+00	8.0E-07	1.0E-03	2.1E-09	1.6E-01	5.5E-01	1.8E-10	2.5E+00	2.5E-06	1.0E-03	6.5E-09	1.6E-01	5.5E-01	5.6E-10
7.0E+00	8.0E-07	1.0E-03	5.8E-09	1.6E-01	5.5E-01	5.0E-10	3.3E+00	2.5E-06	1.0E-03	8.7E-09	1.6E-01	5.5E-01	7.5E-10
7.8E+00	8.0E-07	1.0E-03	6.5E-09	1.6E-01	5.5E-01	5.6E-10	3.6E+00	2.5E-06	1.0E-03	9.5E-09	1.6E-01	5.5E-01	8.1E-10
8.5E+00	8.0E-07	1.0E-03	7.1E-09	1.6E-01	5.5E-01	6.1E-10	3.9E+00	2.5E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-01	8.8E-10
9.1E+00	8.0E-07	1.0E-03	7.6E-09	1.6E-01	5.5E-01	6.6E-10	4.1E+00	2.5E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.4E-10
9.7E+00	8.0E-07	1.0E-03	8.0E-09	1.6E-01	5.5E-01	6.9E-10	4.4E+00	2.5E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-01	9.9E-10
4.1E+00	8.0E-07	1.0E-03	3.4E-09	1.6E-01	5.5E-01	2.9E-10	3.6E+00	2.5E-06	1.0E-03	9.5E-09	1.6E-01	5.5E-01	8.2E-10
3.8E+00	8.0E-07	1.0E-03	3.1E-09	1.6E-01	5.5E-01	2.7E-10	3.4E+00	2.5E-06	1.0E-03	9.0E-09	1.6E-01	5.5E-01	7.7E-10
3.5E+00	8.0E-07	1.0E-03	2.9E-09	1.6E-01	5.5E-01	2.5E-10	3.2E+00	2.5E-06	1.0E-03	8.5E-09	1.6E-01	5.5E-01	7.3E-10

3.2E+00	8.0E-07	1.0E-03	2.6E-09	1.6E-01	5.5E-01	2.3E-10	3.0E+00	2.5E-06	1.0E-03	7.9E-09	1.6E-01	5.5E-01	6.8E-10
2.9E+00	8.0E-07	1.0E-03	2.4E-09	1.6E-01	5.5E-01	2.1E-10	2.8E+00	2.5E-06	1.0E-03	7.4E-09	1.6E-01	5.5E-01	6.3E-10
2.7E+00	8.0E-07	1.0E-03	2.2E-09	1.6E-01	5.5E-01	1.9E-10	2.6E+00	2.5E-06	1.0E-03	6.8E-09	1.6E-01	5.5E-01	5.9E-10
2.4E+00	8.0E-07	1.0E-03	2.0E-09	1.6E-01	5.5E-01	1.7E-10	2.4E+00	2.5E-06	1.0E-03	6.3E-09	1.6E-01	5.5E-01	5.4E-10
6.0E+00	8.0E-07	1.0E-03	5.0E-09	1.6E-01	5.5E-01	4.3E-10	3.0E+00	2.5E-06	1.0E-03	7.9E-09	1.6E-01	5.5E-01	6.8E-10
6.6E+00	8.0E-07	1.0E-03	5.5E-09	1.6E-01	5.5E-01	4.7E-10	3.3E+00	2.5E-06	1.0E-03	8.5E-09	1.6E-01	5.5E-01	7.4E-10
7.1E+00	8.0E-07	1.0E-03	5.9E-09	1.6E-01	5.5E-01	5.1E-10	3.5E+00	2.5E-06	1.0E-03	9.1E-09	1.6E-01	5.5E-01	7.9E-10
7.6E+00	8.0E-07	1.0E-03	6.3E-09	1.6E-01	5.5E-01	5.5E-10	3.7E+00	2.5E-06	1.0E-03	9.7E-09	1.6E-01	5.5E-01	8.4E-10
8.0E+00	8.0E-07	1.0E-03	6.7E-09	1.6E-01	5.5E-01	5.7E-10	3.9E+00	2.5E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-01	8.8E-10
3.5E+00	8.0E-07	1.0E-03	3.0E-09	1.6E-01	5.5E-01	2.5E-10	3.2E+00	2.5E-06	1.0E-03	8.4E-09	1.6E-01	5.5E-01	7.2E-10
3.3E+00	8.0E-07	1.0E-03	2.7E-09	1.6E-01	5.5E-01	2.4E-10	3.0E+00	2.5E-06	1.0E-03	7.9E-09	1.6E-01	5.5E-01	6.8E-10
3.0E+00	8.0E-07	1.0E-03	2.5E-09	1.6E-01	5.5E-01	2.2E-10	2.8E+00	2.5E-06	1.0E-03	7.4E-09	1.6E-01	5.5E-01	6.4E-10
2.8E+00	8.0E-07	1.0E-03	2.3E-09	1.6E-01	5.5E-01	2.0E-10	2.7E+00	2.5E-06	1.0E-03	7.0E-09	1.6E-01	5.5E-01	6.0E-10
2.6E+00	8.0E-07	1.0E-03	2.1E-09	1.6E-01	5.5E-01	1.8E-10	2.5E+00	2.5E-06	1.0E-03	6.5E-09	1.6E-01	5.5E-01	5.6E-10
2.4E+00	8.0E-07	1.0E-03	2.0E-09	1.6E-01	5.5E-01	1.7E-10	2.3E+00	2.5E-06	1.0E-03	6.1E-09	1.6E-01	5.5E-01	5.2E-10
5.2E+00	8.0E-07	1.0E-03	4.3E-09	1.6E-01	5.5E-01	3.7E-10	2.7E+00	2.5E-06	1.0E-03	7.2E-09	1.6E-01	5.5E-01	6.2E-10
5.7E+00	8.0E-07	1.0E-03	4.7E-09	1.6E-01	5.5E-01	4.1E-10	2.9E+00	2.5E-06	1.0E-03	7.7E-09	1.6E-01	5.5E-01	6.7E-10
6.1E+00	8.0E-07	1.0E-03	5.1E-09	1.6E-01	5.5E-01	4.4E-10	3.1E+00	2.5E-06	1.0E-03	8.2E-09	1.6E-01	5.5E-01	7.1E-10
6.5E+00	8.0E-07	1.0E-03	5.4E-09	1.6E-01	5.5E-01	4.6E-10	3.3E+00	2.5E-06	1.0E-03	8.7E-09	1.6E-01	5.5E-01	7.5E-10
6.8E+00	8.0E-07	1.0E-03	5.6E-09	1.6E-01	5.5E-01	4.8E-10	3.5E+00	2.5E-06	1.0E-03	9.2E-09	1.6E-01	5.5E-01	7.9E-10
3.3E+00	8.0E-07	1.0E-03	2.8E-09	1.6E-01	5.5E-01	2.4E-10	3.0E+00	2.5E-06	1.0E-03	7.8E-09	1.6E-01	5.5E-01	6.7E-10
3.1E+00	8.0E-07	1.0E-03	2.6E-09	1.6E-01	5.5E-01	2.2E-10	2.8E+00	2.5E-06	1.0E-03	7.4E-09	1.6E-01	5.5E-01	6.4E-10
2.9E+00	8.0E-07	1.0E-03	2.4E-09	1.6E-01	5.5E-01	2.1E-10	2.7E+00	2.5E-06	1.0E-03	7.0E-09	1.6E-01	5.5E-01	6.0E-10
2.7E+00	8.0E-07	1.0E-03	2.2E-09	1.6E-01	5.5E-01	1.9E-10	2.5E+00	2.5E-06	1.0E-03	6.6E-09	1.6E-01	5.5E-01	5.7E-10
2.5E+00	8.0E-07	1.0E-03	2.1E-09	1.6E-01	5.5E-01	1.8E-10	2.4E+00	2.5E-06	1.0E-03	6.2E-09	1.6E-01	5.5E-01	5.3E-10
2.3E+00	8.0E-07	1.0E-03	1.9E-09	1.6E-01	5.5E-01	1.6E-10	2.2E+00	2.5E-06	1.0E-03	5.8E-09	1.6E-01	5.5E-01	5.0E-10
4.6E+00	8.0E-07	1.0E-03	3.8E-09	1.6E-01	5.5E-01	3.3E-10	2.5E+00	2.5E-06	1.0E-03	6.6E-09	1.6E-01	5.5E-01	5.7E-10
4.9E+00	8.0E-07	1.0E-03	4.1E-09	1.6E-01	5.5E-01	3.5E-10	2.7E+00	2.5E-06	1.0E-03	7.0E-09	1.6E-01	5.5E-01	6.1E-10
5.3E+00	8.0E-07	1.0E-03	4.4E-09	1.6E-01	5.5E-01	3.8E-10	2.8E+00	2.5E-06	1.0E-03	7.5E-09	1.6E-01	5.5E-01	6.4E-10
5.6E+00	8.0E-07	1.0E-03	4.6E-09	1.6E-01	5.5E-01	4.0E-10	3.0E+00	2.5E-06	1.0E-03	7.9E-09	1.6E-01	5.5E-01	6.8E-10
5.8E+00	8.0E-07	1.0E-03	4.8E-09	1.6E-01	5.5E-01	4.2E-10	3.1E+00	2.5E-06	1.0E-03	8.2E-09	1.6E-01	5.5E-01	7.1E-10
3.1E+00	8.0E-07	1.0E-03	2.6E-09	1.6E-01	5.5E-01	2.3E-10	2.8E+00	2.5E-06	1.0E-03	7.3E-09	1.6E-01	5.5E-01	6.3E-10
2.9E+00	8.0E-07	1.0E-03	2.4E-09	1.6E-01	5.5E-01	2.1E-10	2.6E+00	2.5E-06	1.0E-03	6.9E-09	1.6E-01	5.5E-01	6.0E-10
2.7E+00	8.0E-07	1.0E-03	2.3E-09	1.6E-01	5.5E-01	2.0E-10	2.5E+00	2.5E-06	1.0E-03	6.6E-09	1.6E-01	5.5E-01	5.7E-10
2.5E+00	8.0E-07	1.0E-03	2.1E-09	1.6E-01	5.5E-01	1.8E-10	2.4E+00	2.5E-06	1.0E-03	6.2E-09	1.6E-01	5.5E-01	5.4E-10
2.4E+00	8.0E-07	1.0E-03	2.0E-09	1.6E-01	5.5E-01	1.7E-10	2.2E+00	2.5E-06	1.0E-03	5.9E-09	1.6E-01	5.5E-01	5.1E-10
2.2E+00	8.0E-07	1.0E-03	1.8E-09	1.6E-01	5.5E-01	1.6E-10	2.1E+00	2.5E-06	1.0E-03	5.5E-09	1.6E-01	5.5E-01	4.8E-10
4.1E+00	8.0E-07	1.0E-03	3.4E-09	1.6E-01	5.5E-01	2.9E-10	2.3E+00	2.5E-06	1.0E-03	6.1E-09	1.6E-01	5.5E-01	5.2E-10
4.3E+00	8.0E-07	1.0E-03	3.6E-09	1.6E-01	5.5E-01	3.1E-10	2.4E+00	2.5E-06	1.0E-03	6.4E-09	1.6E-01	5.5E-01	5.5E-10
4.6E+00	8.0E-07	1.0E-03	3.8E-09	1.6E-01	5.5E-01	3.3E-10	2.6E+00	2.5E-06	1.0E-03	6.8E-09	1.6E-01	5.5E-01	5.8E-10
4.8E+00	8.0E-07	1.0E-03	4.0E-09	1.6E-01	5.5E-01	3.5E-10	2.7E+00	2.5E-06	1.0E-03	7.1E-09	1.6E-01	5.5E-01	6.1E-10
5.0E+00	8.0E-07	1.0E-03	4.2E-09	1.6E-01	5.5E-01	3.6E-10	2.8E+00	2.5E-06	1.0E-03	7.5E-09	1.6E-01	5.5E-01	6.4E-10
3.0E+00	8.0E-07	1.0E-03	2.5E-09	1.6E-01	5.5E-01	2.1E-10	2.6E+00	2.5E-06	1.0E-03	6.8E-09	1.6E-01	5.5E-01	5.9E-10
2.8E+00	8.0E-07	1.0E-03	2.3E-09	1.6E-01	5.5E-01	2.0E-10	2.5E+00	2.5E-06	1.0E-03	6.5E-09	1.6E-01	5.5E-01	5.6E-10
2.6E+00	8.0E-07	1.0E-03	2.2E-09	1.6E-01	5.5E-01	1.9E-10	2.4E+00	2.5E-06	1.0E-03	6.2E-09	1.6E-01	5.5E-01	5.3E-10
2.4E+00	8.0E-07	1.0E-03	2.0E-09	1.6E-01	5.5E-01	1.7E-10	2.2E+00	2.5E-06	1.0E-03	5.9E-09	1.6E-01	5.5E-01	5.1E-10

2.3E+00	8.0E-07	1.0E-03	1.9E-09	1.6E-01	5.5E-01	1.6E-10	2.1E+00	2.5E-06	1.0E-03	5.6E-09	1.6E-01	5.5E-01	4.8E-10
2.1E+00	8.0E-07	1.0E-03	1.8E-09	1.6E-01	5.5E-01	1.5E-10	2.0E+00	2.5E-06	1.0E-03	5.3E-09	1.6E-01	5.5E-01	4.6E-10
3.6E+00	8.0E-07	1.0E-03	3.0E-09	1.6E-01	5.5E-01	2.6E-10	2.1E+00	2.5E-06	1.0E-03	5.6E-09	1.6E-01	5.5E-01	4.8E-10
3.8E+00	8.0E-07	1.0E-03	3.2E-09	1.6E-01	5.5E-01	2.8E-10	2.2E+00	2.5E-06	1.0E-03	5.9E-09	1.6E-01	5.5E-01	5.1E-10
4.1E+00	8.0E-07	1.0E-03	3.4E-09	1.6E-01	5.5E-01	2.9E-10	2.4E+00	2.5E-06	1.0E-03	6.2E-09	1.6E-01	5.5E-01	5.3E-10
4.3E+00	8.0E-07	1.0E-03	3.5E-09	1.6E-01	5.5E-01	3.0E-10	2.5E+00	2.5E-06	1.0E-03	6.5E-09	1.6E-01	5.5E-01	5.6E-10
4.4E+00	8.0E-07	1.0E-03	3.7E-09	1.6E-01	5.5E-01	3.2E-10	2.6E+00	2.5E-06	1.0E-03	6.8E-09	1.6E-01	5.5E-01	5.8E-10
2.8E+00	8.0E-07	1.0E-03	2.3E-09	1.6E-01	5.5E-01	2.0E-10	2.4E+00	2.5E-06	1.0E-03	6.4E-09	1.6E-01	5.5E-01	5.5E-10
2.6E+00	8.0E-07	1.0E-03	2.2E-09	1.6E-01	5.5E-01	1.9E-10	2.3E+00	2.5E-06	1.0E-03	6.1E-09	1.6E-01	5.5E-01	5.3E-10
2.5E+00	8.0E-07	1.0E-03	2.0E-09	1.6E-01	5.5E-01	1.8E-10	2.2E+00	2.5E-06	1.0E-03	5.8E-09	1.6E-01	5.5E-01	5.0E-10
2.3E+00	8.0E-07	1.0E-03	1.9E-09	1.6E-01	5.5E-01	1.7E-10	2.1E+00	2.5E-06	1.0E-03	5.6E-09	1.6E-01	5.5E-01	4.8E-10
2.2E+00	8.0E-07	1.0E-03	1.8E-09	1.6E-01	5.5E-01	1.6E-10	2.0E+00	2.5E-06	1.0E-03	5.3E-09	1.6E-01	5.5E-01	4.6E-10
2.0E+00	8.0E-07	1.0E-03	1.7E-09	1.6E-01	5.5E-01	1.5E-10	1.9E+00	2.5E-06	1.0E-03	5.1E-09	1.6E-01	5.5E-01	4.3E-10
3.2E+00	8.0E-07	1.0E-03	2.7E-09	1.6E-01	5.5E-01	2.3E-10	2.0E+00	2.5E-06	1.0E-03	5.2E-09	1.6E-01	5.5E-01	4.4E-10
3.4E+00	8.0E-07	1.0E-03	2.9E-09	1.6E-01	5.5E-01	2.5E-10	2.1E+00	2.5E-06	1.0E-03	5.4E-09	1.6E-01	5.5E-01	4.7E-10
3.6E+00	8.0E-07	1.0E-03	3.0E-09	1.6E-01	5.5E-01	2.6E-10	2.2E+00	2.5E-06	1.0E-03	5.7E-09	1.6E-01	5.5E-01	4.9E-10
3.8E+00	8.0E-07	1.0E-03	3.1E-09	1.6E-01	5.5E-01	2.7E-10	2.3E+00	2.5E-06	1.0E-03	5.9E-09	1.6E-01	5.5E-01	5.1E-10
3.9E+00	8.0E-07	1.0E-03	3.3E-09	1.6E-01	5.5E-01	2.8E-10	2.4E+00	2.5E-06	1.0E-03	6.2E-09	1.6E-01	5.5E-01	5.3E-10
4.0E+00	8.0E-07	1.0E-03	3.3E-09	1.6E-01	5.5E-01	2.9E-10	2.4E+00	2.5E-06	1.0E-03	6.4E-09	1.6E-01	5.5E-01	5.5E-10
4.1E+00	8.0E-07	1.0E-03	3.4E-09	1.6E-01	5.5E-01	2.9E-10	2.5E+00	2.5E-06	1.0E-03	6.6E-09	1.6E-01	5.5E-01	5.7E-10
4.1E+00	8.0E-07	1.0E-03	3.4E-09	1.6E-01	5.5E-01	3.0E-10	2.6E+00	2.5E-06	1.0E-03	6.8E-09	1.6E-01	5.5E-01	5.8E-10
4.1E+00	8.0E-07	1.0E-03	3.4E-09	1.6E-01	5.5E-01	3.0E-10	2.6E+00	2.5E-06	1.0E-03	6.9E-09	1.6E-01	5.5E-01	6.0E-10
4.1E+00	8.0E-07	1.0E-03	3.4E-09	1.6E-01	5.5E-01	2.9E-10	2.7E+00	2.5E-06	1.0E-03	7.0E-09	1.6E-01	5.5E-01	6.0E-10
4.0E+00	8.0E-07	1.0E-03	3.4E-09	1.6E-01	5.5E-01	2.9E-10	2.7E+00	2.5E-06	1.0E-03	7.1E-09	1.6E-01	5.5E-01	6.1E-10
3.9E+00	8.0E-07	1.0E-03	3.3E-09	1.6E-01	5.5E-01	2.8E-10	2.7E+00	2.5E-06	1.0E-03	7.1E-09	1.6E-01	5.5E-01	6.1E-10
3.8E+00	8.0E-07	1.0E-03	3.2E-09	1.6E-01	5.5E-01	2.7E-10	2.7E+00	2.5E-06	1.0E-03	7.1E-09	1.6E-01	5.5E-01	6.1E-10
3.7E+00	8.0E-07	1.0E-03	3.1E-09	1.6E-01	5.5E-01	2.7E-10	2.7E+00	2.5E-06	1.0E-03	7.1E-09	1.6E-01	5.5E-01	6.1E-10
3.6E+00	8.0E-07	1.0E-03	3.0E-09	1.6E-01	5.5E-01	2.6E-10	2.7E+00	2.5E-06	1.0E-03	7.0E-09	1.6E-01	5.5E-01	6.0E-10
3.4E+00	8.0E-07	1.0E-03	2.8E-09	1.6E-01	5.5E-01	2.4E-10	2.6E+00	2.5E-06	1.0E-03	6.9E-09	1.6E-01	5.5E-01	5.9E-10
3.3E+00	8.0E-07	1.0E-03	2.7E-09	1.6E-01	5.5E-01	2.3E-10	2.6E+00	2.5E-06	1.0E-03	6.7E-09	1.6E-01	5.5E-01	5.8E-10
3.1E+00	8.0E-07	1.0E-03	2.6E-09	1.6E-01	5.5E-01	2.2E-10	2.5E+00	2.5E-06	1.0E-03	6.6E-09	1.6E-01	5.5E-01	5.6E-10
2.9E+00	8.0E-07	1.0E-03	2.4E-09	1.6E-01	5.5E-01	2.1E-10	2.4E+00	2.5E-06	1.0E-03	6.4E-09	1.6E-01	5.5E-01	5.5E-10
2.8E+00	8.0E-07	1.0E-03	2.3E-09	1.6E-01	5.5E-01	2.0E-10	2.3E+00	2.5E-06	1.0E-03	6.2E-09	1.6E-01	5.5E-01	5.3E-10
2.6E+00	8.0E-07	1.0E-03	2.2E-09	1.6E-01	5.5E-01	1.9E-10	2.3E+00	2.5E-06	1.0E-03	6.0E-09	1.6E-01	5.5E-01	5.1E-10
2.5E+00	8.0E-07	1.0E-03	2.1E-09	1.6E-01	5.5E-01	1.8E-10	2.2E+00	2.5E-06	1.0E-03	5.7E-09	1.6E-01	5.5E-01	4.9E-10
2.3E+00	8.0E-07	1.0E-03	1.9E-09	1.6E-01	5.5E-01	1.7E-10	2.1E+00	2.5E-06	1.0E-03	5.5E-09	1.6E-01	5.5E-01	4.7E-10
2.2E+00	8.0E-07	1.0E-03	1.8E-09	1.6E-01	5.5E-01	1.6E-10	2.0E+00	2.5E-06	1.0E-03	5.3E-09	1.6E-01	5.5E-01	4.5E-10
2.1E+00	8.0E-07	1.0E-03	1.7E-09	1.6E-01	5.5E-01	1.5E-10	1.9E+00	2.5E-06	1.0E-03	5.0E-09	1.6E-01	5.5E-01	4.3E-10
1.9E+00	8.0E-07	1.0E-03	1.6E-09	1.6E-01	5.5E-01	1.4E-10	1.8E+00	2.5E-06	1.0E-03	4.8E-09	1.6E-01	5.5E-01	4.1E-10
2.9E+00	8.0E-07	1.0E-03	2.4E-09	1.6E-01	5.5E-01	2.1E-10	1.8E+00	2.5E-06	1.0E-03	4.8E-09	1.6E-01	5.5E-01	4.1E-10
3.1E+00	8.0E-07	1.0E-03	2.6E-09	1.6E-01	5.5E-01	2.2E-10	1.9E+00	2.5E-06	1.0E-03	5.0E-09	1.6E-01	5.5E-01	4.3E-10
3.2E+00	8.0E-07	1.0E-03	2.7E-09	1.6E-01	5.5E-01	2.3E-10	2.0E+00	2.5E-06	1.0E-03	5.2E-09	1.6E-01	5.5E-01	4.5E-10
3.4E+00	8.0E-07	1.0E-03	2.8E-09	1.6E-01	5.5E-01	2.4E-10	2.1E+00	2.5E-06	1.0E-03	5.5E-09	1.6E-01	5.5E-01	4.7E-10
3.5E+00	8.0E-07	1.0E-03	2.9E-09	1.6E-01	5.5E-01	2.5E-10	2.2E+00	2.5E-06	1.0E-03	5.7E-09	1.6E-01	5.5E-01	4.9E-10
3.6E+00	8.0E-07	1.0E-03	3.0E-09	1.6E-01	5.5E-01	2.6E-10	2.2E+00	2.5E-06	1.0E-03	5.9E-09	1.6E-01	5.5E-01	5.1E-10
3.7E+00	8.0E-07	1.0E-03	3.0E-09	1.6E-01	5.5E-01	2.6E-10	2.3E+00	2.5E-06	1.0E-03	6.1E-09	1.6E-01	5.5E-01	5.2E-10

3.7E+00	8.0E-07	1.0E-03	3.1E-09	1.6E-01	5.5E-01	2.6E-10	2.4E+00	2.5E-06	1.0E-03	6.2E-09	1.6E-01	5.5E-01	5.3E-10
3.7E+00	8.0E-07	1.0E-03	3.1E-09	1.6E-01	5.5E-01	2.7E-10	2.4E+00	2.5E-06	1.0E-03	6.3E-09	1.6E-01	5.5E-01	5.5E-10
3.7E+00	8.0E-07	1.0E-03	3.1E-09	1.6E-01	5.5E-01	2.6E-10	2.4E+00	2.5E-06	1.0E-03	6.4E-09	1.6E-01	5.5E-01	5.5E-10
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3.6E+00	8.0E-07	1.0E-03	3.0E-09	1.6E-01	5.5E-01	2.6E-10	2.5E+00	2.5E-06	1.0E-03	6.5E-09	1.6E-01	5.5E-01	5.6E-10
3.5E+00	8.0E-07	1.0E-03	2.9E-09	1.6E-01	5.5E-01	2.5E-10	2.5E+00	2.5E-06	1.0E-03	6.5E-09	1.6E-01	5.5E-01	5.6E-10
3.4E+00	8.0E-07	1.0E-03	2.8E-09	1.6E-01	5.5E-01	2.4E-10	2.5E+00	2.5E-06	1.0E-03	6.5E-09	1.6E-01	5.5E-01	5.6E-10
3.3E+00	8.0E-07	1.0E-03	2.7E-09	1.6E-01	5.5E-01	2.3E-10	2.4E+00	2.5E-06	1.0E-03	6.4E-09	1.6E-01	5.5E-01	5.5E-10
3.1E+00	8.0E-07	1.0E-03	2.6E-09	1.6E-01	5.5E-01	2.3E-10	2.4E+00	2.5E-06	1.0E-03	6.3E-09	1.6E-01	5.5E-01	5.5E-10
3.0E+00	8.0E-07	1.0E-03	2.5E-09	1.6E-01	5.5E-01	2.2E-10	2.4E+00	2.5E-06	1.0E-03	6.2E-09	1.6E-01	5.5E-01	5.4E-10
2.9E+00	8.0E-07	1.0E-03	2.4E-09	1.6E-01	5.5E-01	2.1E-10	2.3E+00	2.5E-06	1.0E-03	6.1E-09	1.6E-01	5.5E-01	5.2E-10
2.7E+00	8.0E-07	1.0E-03	2.3E-09	1.6E-01	5.5E-01	2.0E-10	2.3E+00	2.5E-06	1.0E-03	5.9E-09	1.6E-01	5.5E-01	5.1E-10
2.6E+00	8.0E-07	1.0E-03	2.2E-09	1.6E-01	5.5E-01	1.9E-10	2.2E+00	2.5E-06	1.0E-03	5.8E-09	1.6E-01	5.5E-01	5.0E-10
2.5E+00	8.0E-07	1.0E-03	2.1E-09	1.6E-01	5.5E-01	1.8E-10	2.1E+00	2.5E-06	1.0E-03	5.6E-09	1.6E-01	5.5E-01	4.8E-10
2.3E+00	8.0E-07	1.0E-03	1.9E-09	1.6E-01	5.5E-01	1.7E-10	2.0E+00	2.5E-06	1.0E-03	5.4E-09	1.6E-01	5.5E-01	4.6E-10
2.2E+00	8.0E-07	1.0E-03	1.8E-09	1.6E-01	5.5E-01	1.6E-10	2.0E+00	2.5E-06	1.0E-03	5.2E-09	1.6E-01	5.5E-01	4.5E-10
2.1E+00	8.0E-07	1.0E-03	1.7E-09	1.6E-01	5.5E-01	1.5E-10	1.9E+00	2.5E-06	1.0E-03	5.0E-09	1.6E-01	5.5E-01	4.3E-10
2.0E+00	8.0E-07	1.0E-03	1.6E-09	1.6E-01	5.5E-01	1.4E-10	1.8E+00	2.5E-06	1.0E-03	4.8E-09	1.6E-01	5.5E-01	4.1E-10
1.9E+00	8.0E-07	1.0E-03	1.6E-09	1.6E-01	5.5E-01	1.3E-10	1.7E+00	2.5E-06	1.0E-03	4.6E-09	1.6E-01	5.5E-01	3.9E-10
2.7E+00	8.0E-07	1.0E-03	2.2E-09	1.6E-01	5.5E-01	1.9E-10	1.7E+00	2.5E-06	1.0E-03	4.4E-09	1.6E-01	5.5E-01	3.8E-10
2.8E+00	8.0E-07	1.0E-03	2.3E-09	1.6E-01	5.5E-01	2.0E-10	1.8E+00	2.5E-06	1.0E-03	4.6E-09	1.6E-01	5.5E-01	4.0E-10
2.9E+00	8.0E-07	1.0E-03	2.4E-09	1.6E-01	5.5E-01	2.1E-10	1.8E+00	2.5E-06	1.0E-03	4.8E-09	1.6E-01	5.5E-01	4.2E-10
3.0E+00	8.0E-07	1.0E-03	2.5E-09	1.6E-01	5.5E-01	2.2E-10	1.9E+00	2.5E-06	1.0E-03	5.0E-09	1.6E-01	5.5E-01	4.3E-10
3.1E+00	8.0E-07	1.0E-03	2.6E-09	1.6E-01	5.5E-01	2.2E-10	2.0E+00	2.5E-06	1.0E-03	5.2E-09	1.6E-01	5.5E-01	4.5E-10
3.2E+00	8.0E-07	1.0E-03	2.7E-09	1.6E-01	5.5E-01	2.3E-10	2.1E+00	2.5E-06	1.0E-03	5.4E-09	1.6E-01	5.5E-01	4.7E-10
3.3E+00	8.0E-07	1.0E-03	2.7E-09	1.6E-01	5.5E-01	2.4E-10	2.1E+00	2.5E-06	1.0E-03	5.6E-09	1.6E-01	5.5E-01	4.8E-10
3.3E+00	8.0E-07	1.0E-03	2.8E-09	1.6E-01	5.5E-01	2.4E-10	2.2E+00	2.5E-06	1.0E-03	5.7E-09	1.6E-01	5.5E-01	4.9E-10
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3.3E+00	8.0E-07	1.0E-03	2.7E-09	1.6E-01	5.5E-01	2.3E-10	2.3E+00	2.5E-06	1.0E-03	6.0E-09	1.6E-01	5.5E-01	5.2E-10
3.2E+00	8.0E-07	1.0E-03	2.6E-09	1.6E-01	5.5E-01	2.3E-10	2.3E+00	2.5E-06	1.0E-03	6.0E-09	1.6E-01	5.5E-01	5.2E-10
3.1E+00	8.0E-07	1.0E-03	2.6E-09	1.6E-01	5.5E-01	2.2E-10	2.3E+00	2.5E-06	1.0E-03	6.0E-09	1.6E-01	5.5E-01	5.1E-10
3.0E+00	8.0E-07	1.0E-03	2.5E-09	1.6E-01	5.5E-01	2.2E-10	2.3E+00	2.5E-06	1.0E-03	5.9E-09	1.6E-01	5.5E-01	5.1E-10
2.9E+00	8.0E-07	1.0E-03	2.4E-09	1.6E-01	5.5E-01	2.1E-10	2.2E+00	2.5E-06	1.0E-03	5.9E-09	1.6E-01	5.5E-01	5.1E-10
2.8E+00	8.0E-07	1.0E-03	2.3E-09	1.6E-01	5.5E-01	2.0E-10	2.2E+00	2.5E-06	1.0E-03	5.8E-09	1.6E-01	5.5E-01	5.0E-10
2.7E+00	8.0E-07	1.0E-03	2.2E-09	1.6E-01	5.5E-01	1.9E-10	2.2E+00	2.5E-06	1.0E-03	5.7E-09	1.6E-01	5.5E-01	4.9E-10
2.6E+00	8.0E-07	1.0E-03	2.1E-09	1.6E-01	5.5E-01	1.8E-10	2.1E+00	2.5E-06	1.0E-03	5.5E-09	1.6E-01	5.5E-01	4.8E-10
2.4E+00	8.0E-07	1.0E-03	2.0E-09	1.6E-01	5.5E-01	1.7E-10	2.0E+00	2.5E-06	1.0E-03	5.4E-09	1.6E-01	5.5E-01	4.6E-10
2.3E+00	8.0E-07	1.0E-03	1.9E-09	1.6E-01	5.5E-01	1.7E-10	2.0E+00	2.5E-06	1.0E-03	5.2E-09	1.6E-01	5.5E-01	4.5E-10
2.2E+00	8.0E-07	1.0E-03	1.8E-09	1.6E-01	5.5E-01	1.6E-10	1.9E+00	2.5E-06	1.0E-03	5.1E-09	1.6E-01	5.5E-01	4.4E-10
2.1E+00	8.0E-07	1.0E-03	1.7E-09	1.6E-01	5.5E-01	1.5E-10	1.9E+00	2.5E-06	1.0E-03	4.9E-09	1.6E-01	5.5E-01	4.2E-10
2.0E+00	8.0E-07	1.0E-03	1.7E-09	1.6E-01	5.5E-01	1.4E-10	1.8E+00	2.5E-06	1.0E-03	4.7E-09	1.6E-01	5.5E-01	4.1E-10
1.9E+00	8.0E-07	1.0E-03	1.6E-09	1.6E-01	5.5E-01	1.3E-10	1.7E+00	2.5E-06	1.0E-03	4.5E-09	1.6E-01	5.5E-01	3.9E-10
1.8E+00	8.0E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-01	1.3E-10	1.7E+00	2.5E-06	1.0E-03	4.3E-09	1.6E-01	5.5E-01	3.7E-10
2.4E+00	8.0E-07	1.0E-03	2.0E-09	1.6E-01	5.5E-01	1.7E-10	1.6E+00	2.5E-06	1.0E-03	4.1E-09	1.6E-01	5.5E-01	3.5E-10

2.5E+00	8.0E-07	1.0E-03	2.1E-09	1.6E-01	5.5E-01	1.8E-10	1.6E+00	2.5E-06	1.0E-03	4.3E-09	1.6E-01	5.5E-01	3.7E-10
2.6E+00	8.0E-07	1.0E-03	2.2E-09	1.6E-01	5.5E-01	1.9E-10	1.7E+00	2.5E-06	1.0E-03	4.5E-09	1.6E-01	5.5E-01	3.9E-10
2.7E+00	8.0E-07	1.0E-03	2.3E-09	1.6E-01	5.5E-01	2.0E-10	1.8E+00	2.5E-06	1.0E-03	4.7E-09	1.6E-01	5.5E-01	4.0E-10
2.8E+00	8.0E-07	1.0E-03	2.4E-09	1.6E-01	5.5E-01	2.0E-10	1.8E+00	2.5E-06	1.0E-03	4.8E-09	1.6E-01	5.5E-01	4.2E-10
2.9E+00	8.0E-07	1.0E-03	2.4E-09	1.6E-01	5.5E-01	2.1E-10	1.9E+00	2.5E-06	1.0E-03	5.0E-09	1.6E-01	5.5E-01	4.3E-10
3.0E+00	8.0E-07	1.0E-03	2.5E-09	1.6E-01	5.5E-01	2.1E-10	2.0E+00	2.5E-06	1.0E-03	5.1E-09	1.6E-01	5.5E-01	4.4E-10
3.0E+00	8.0E-07	1.0E-03	2.5E-09	1.6E-01	5.5E-01	2.2E-10	2.0E+00	2.5E-06	1.0E-03	5.2E-09	1.6E-01	5.5E-01	4.5E-10
3.0E+00	8.0E-07	1.0E-03	2.5E-09	1.6E-01	5.5E-01	2.2E-10	2.0E+00	2.5E-06	1.0E-03	5.4E-09	1.6E-01	5.5E-01	4.6E-10
3.0E+00	8.0E-07	1.0E-03	2.5E-09	1.6E-01	5.5E-01	2.2E-10	2.1E+00	2.5E-06	1.0E-03	5.4E-09	1.6E-01	5.5E-01	4.7E-10
3.0E+00	8.0E-07	1.0E-03	2.5E-09	1.6E-01	5.5E-01	2.2E-10	2.1E+00	2.5E-06	1.0E-03	5.5E-09	1.6E-01	5.5E-01	4.7E-10
3.0E+00	8.0E-07	1.0E-03	2.5E-09	1.6E-01	5.5E-01	2.1E-10	2.1E+00	2.5E-06	1.0E-03	5.5E-09	1.6E-01	5.5E-01	4.8E-10
2.9E+00	8.0E-07	1.0E-03	2.4E-09	1.6E-01	5.5E-01	2.1E-10	2.1E+00	2.5E-06	1.0E-03	5.5E-09	1.6E-01	5.5E-01	4.8E-10
2.9E+00	8.0E-07	1.0E-03	2.4E-09	1.6E-01	5.5E-01	2.0E-10	2.1E+00	2.5E-06	1.0E-03	5.5E-09	1.6E-01	5.5E-01	4.8E-10
2.8E+00	8.0E-07	1.0E-03	2.3E-09	1.6E-01	5.5E-01	2.0E-10	2.1E+00	2.5E-06	1.0E-03	5.5E-09	1.6E-01	5.5E-01	4.7E-10
2.7E+00	8.0E-07	1.0E-03	2.2E-09	1.6E-01	5.5E-01	1.9E-10	2.1E+00	2.5E-06	1.0E-03	5.4E-09	1.6E-01	5.5E-01	4.7E-10
2.6E+00	8.0E-07	1.0E-03	2.2E-09	1.6E-01	5.5E-01	1.9E-10	2.0E+00	2.5E-06	1.0E-03	5.4E-09	1.6E-01	5.5E-01	4.6E-10
2.5E+00	8.0E-07	1.0E-03	2.1E-09	1.6E-01	5.5E-01	1.8E-10	2.0E+00	2.5E-06	1.0E-03	5.3E-09	1.6E-01	5.5E-01	4.5E-10
2.4E+00	8.0E-07	1.0E-03	2.0E-09	1.6E-01	5.5E-01	1.7E-10	2.0E+00	2.5E-06	1.0E-03	5.2E-09	1.6E-01	5.5E-01	4.4E-10
2.3E+00	8.0E-07	1.0E-03	1.9E-09	1.6E-01	5.5E-01	1.6E-10	1.9E+00	2.5E-06	1.0E-03	5.0E-09	1.6E-01	5.5E-01	4.3E-10
2.2E+00	8.0E-07	1.0E-03	1.8E-09	1.6E-01	5.5E-01	1.6E-10	1.9E+00	2.5E-06	1.0E-03	4.9E-09	1.6E-01	5.5E-01	4.2E-10
2.1E+00	8.0E-07	1.0E-03	1.7E-09	1.6E-01	5.5E-01	1.5E-10	1.8E+00	2.5E-06	1.0E-03	4.8E-09	1.6E-01	5.5E-01	4.1E-10
2.0E+00	8.0E-07	1.0E-03	1.7E-09	1.6E-01	5.5E-01	1.4E-10	1.8E+00	2.5E-06	1.0E-03	4.6E-09	1.6E-01	5.5E-01	4.0E-10
1.9E+00	8.0E-07	1.0E-03	1.6E-09	1.6E-01	5.5E-01	1.4E-10	1.7E+00	2.5E-06	1.0E-03	4.4E-09	1.6E-01	5.5E-01	3.8E-10
1.8E+00	8.0E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-01	1.3E-10	1.6E+00	2.5E-06	1.0E-03	4.3E-09	1.6E-01	5.5E-01	3.7E-10
1.7E+00	8.0E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-01	1.2E-10	1.6E+00	2.5E-06	1.0E-03	4.1E-09	1.6E-01	5.5E-01	3.6E-10
2.2E+00	8.0E-07	1.0E-03	1.8E-09	1.6E-01	5.5E-01	1.6E-10	1.5E+00	2.5E-06	1.0E-03	3.8E-09	1.6E-01	5.5E-01	3.3E-10
2.3E+00	8.0E-07	1.0E-03	1.9E-09	1.6E-01	5.5E-01	1.7E-10	1.5E+00	2.5E-06	1.0E-03	4.0E-09	1.6E-01	5.5E-01	3.5E-10
2.4E+00	8.0E-07	1.0E-03	2.0E-09	1.6E-01	5.5E-01	1.7E-10	1.6E+00	2.5E-06	1.0E-03	4.2E-09	1.6E-01	5.5E-01	3.6E-10
2.5E+00	8.0E-07	1.0E-03	2.1E-09	1.6E-01	5.5E-01	1.8E-10	1.6E+00	2.5E-06	1.0E-03	4.3E-09	1.6E-01	5.5E-01	3.7E-10
2.6E+00	8.0E-07	1.0E-03	2.1E-09	1.6E-01	5.5E-01	1.8E-10	1.7E+00	2.5E-06	1.0E-03	4.5E-09	1.6E-01	5.5E-01	3.9E-10
2.6E+00	8.0E-07	1.0E-03	2.2E-09	1.6E-01	5.5E-01	1.9E-10	1.8E+00	2.5E-06	1.0E-03	4.6E-09	1.6E-01	5.5E-01	4.0E-10
2.7E+00	8.0E-07	1.0E-03	2.2E-09	1.6E-01	5.5E-01	1.9E-10	1.8E+00	2.5E-06	1.0E-03	4.7E-09	1.6E-01	5.5E-01	4.1E-10
2.7E+00	8.0E-07	1.0E-03	2.3E-09	1.6E-01	5.5E-01	2.0E-10	1.8E+00	2.5E-06	1.0E-03	4.9E-09	1.6E-01	5.5E-01	4.2E-10
2.8E+00	8.0E-07	1.0E-03	2.3E-09	1.6E-01	5.5E-01	2.0E-10	1.9E+00	2.5E-06	1.0E-03	4.9E-09	1.6E-01	5.5E-01	4.3E-10
2.8E+00	8.0E-07	1.0E-03	2.3E-09	1.6E-01	5.5E-01	2.0E-10	1.9E+00	2.5E-06	1.0E-03	5.0E-09	1.6E-01	5.5E-01	4.3E-10
2.7E+00	8.0E-07	1.0E-03	2.3E-09	1.6E-01	5.5E-01	2.0E-10	1.9E+00	2.5E-06	1.0E-03	5.1E-09	1.6E-01	5.5E-01	4.4E-10
2.7E+00	8.0E-07	1.0E-03	2.3E-09	1.6E-01	5.5E-01	1.9E-10	1.9E+00	2.5E-06	1.0E-03	5.1E-09	1.6E-01	5.5E-01	4.4E-10
2.7E+00	8.0E-07	1.0E-03	2.2E-09	1.6E-01	5.5E-01	1.9E-10	2.0E+00	2.5E-06	1.0E-03	5.1E-09	1.6E-01	5.5E-01	4.4E-10
2.6E+00	8.0E-07	1.0E-03	2.2E-09	1.6E-01	5.5E-01	1.9E-10	2.0E+00	2.5E-06	1.0E-03	5.1E-09	1.6E-01	5.5E-01	4.4E-10
2.6E+00	8.0E-07	1.0E-03	2.1E-09	1.6E-01	5.5E-01	1.8E-10	1.9E+00	2.5E-06	1.0E-03	5.1E-09	1.6E-01	5.5E-01	4.4E-10
2.5E+00	8.0E-07	1.0E-03	2.1E-09	1.6E-01	5.5E-01	1.8E-10	1.9E+00	2.5E-06	1.0E-03	5.1E-09	1.6E-01	5.5E-01	4.4E-10
2.4E+00	8.0E-07	1.0E-03	2.0E-09	1.6E-01	5.5E-01	1.7E-10	1.9E+00	2.5E-06	1.0E-03	5.0E-09	1.6E-01	5.5E-01	4.3E-10
2.3E+00	8.0E-07	1.0E-03	1.9E-09	1.6E-01	5.5E-01	1.7E-10	1.9E+00	2.5E-06	1.0E-03	4.9E-09	1.6E-01	5.5E-01	4.2E-10
2.2E+00	8.0E-07	1.0E-03	1.9E-09	1.6E-01	5.5E-01	1.6E-10	1.8E+00	2.5E-06	1.0E-03	4.8E-09	1.6E-01	5.5E-01	4.2E-10
2.2E+00	8.0E-07	1.0E-03	1.8E-09	1.6E-01	5.5E-01	1.5E-10	1.8E+00	2.5E-06	1.0E-03	4.7E-09	1.6E-01	5.5E-01	4.1E-10
2.1E+00	8.0E-07	1.0E-03	1.7E-09	1.6E-01	5.5E-01	1.5E-10	1.8E+00	2.5E-06	1.0E-03	4.6E-09	1.6E-01	5.5E-01	4.0E-10

2.0E+00	8.0E-07	1.0E-03	1.6E-09	1.6E-01	5.5E-01	1.4E-10	1.7E+00	2.5E-06	1.0E-03	4.5E-09	1.6E-01	5.5E-01	3.9E-10
1.9E+00	8.0E-07	1.0E-03	1.6E-09	1.6E-01	5.5E-01	1.4E-10	1.7E+00	2.5E-06	1.0E-03	4.3E-09	1.6E-01	5.5E-01	3.7E-10
1.8E+00	8.0E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-01	1.3E-10	1.6E+00	2.5E-06	1.0E-03	4.2E-09	1.6E-01	5.5E-01	3.6E-10
1.7E+00	8.0E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-01	1.2E-10	1.6E+00	2.5E-06	1.0E-03	4.1E-09	1.6E-01	5.5E-01	3.5E-10
1.6E+00	8.0E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-01	1.2E-10	1.5E+00	2.5E-06	1.0E-03	3.9E-09	1.6E-01	5.5E-01	3.4E-10
2.0E+00	8.0E-07	1.0E-03	1.7E-09	1.6E-01	5.5E-01	1.5E-10	1.4E+00	2.5E-06	1.0E-03	3.6E-09	1.6E-01	5.5E-01	3.1E-10
2.1E+00	8.0E-07	1.0E-03	1.8E-09	1.6E-01	5.5E-01	1.5E-10	1.4E+00	2.5E-06	1.0E-03	3.7E-09	1.6E-01	5.5E-01	3.2E-10
2.2E+00	8.0E-07	1.0E-03	1.8E-09	1.6E-01	5.5E-01	1.6E-10	1.5E+00	2.5E-06	1.0E-03	3.9E-09	1.6E-01	5.5E-01	3.4E-10
2.3E+00	8.0E-07	1.0E-03	1.9E-09	1.6E-01	5.5E-01	1.6E-10	1.5E+00	2.5E-06	1.0E-03	4.0E-09	1.6E-01	5.5E-01	3.5E-10
2.4E+00	8.0E-07	1.0E-03	2.0E-09	1.6E-01	5.5E-01	1.7E-10	1.6E+00	2.5E-06	1.0E-03	4.2E-09	1.6E-01	5.5E-01	3.6E-10
2.4E+00	8.0E-07	1.0E-03	2.0E-09	1.6E-01	5.5E-01	1.7E-10	1.6E+00	2.5E-06	1.0E-03	4.3E-09	1.6E-01	5.5E-01	3.7E-10
2.5E+00	8.0E-07	1.0E-03	2.0E-09	1.6E-01	5.5E-01	1.8E-10	1.7E+00	2.5E-06	1.0E-03	4.4E-09	1.6E-01	5.5E-01	3.8E-10
2.5E+00	8.0E-07	1.0E-03	2.1E-09	1.6E-01	5.5E-01	1.8E-10	1.7E+00	2.5E-06	1.0E-03	4.5E-09	1.6E-01	5.5E-01	3.9E-10
2.5E+00	8.0E-07	1.0E-03	2.1E-09	1.6E-01	5.5E-01	1.8E-10	1.7E+00	2.5E-06	1.0E-03	4.6E-09	1.6E-01	5.5E-01	3.9E-10
2.5E+00	8.0E-07	1.0E-03	2.1E-09	1.6E-01	5.5E-01	1.8E-10	1.8E+00	2.5E-06	1.0E-03	4.7E-09	1.6E-01	5.5E-01	4.0E-10
2.5E+00	8.0E-07	1.0E-03	2.1E-09	1.6E-01	5.5E-01	1.8E-10	1.8E+00	2.5E-06	1.0E-03	4.7E-09	1.6E-01	5.5E-01	4.1E-10
2.5E+00	8.0E-07	1.0E-03	2.1E-09	1.6E-01	5.5E-01	1.8E-10	1.8E+00	2.5E-06	1.0E-03	4.7E-09	1.6E-01	5.5E-01	4.1E-10
2.5E+00	8.0E-07	1.0E-03	2.0E-09	1.6E-01	5.5E-01	1.8E-10	1.8E+00	2.5E-06	1.0E-03	4.8E-09	1.6E-01	5.5E-01	4.1E-10
2.4E+00	8.0E-07	1.0E-03	2.0E-09	1.6E-01	5.5E-01	1.7E-10	1.8E+00	2.5E-06	1.0E-03	4.8E-09	1.6E-01	5.5E-01	4.1E-10
2.4E+00	8.0E-07	1.0E-03	2.0E-09	1.6E-01	5.5E-01	1.7E-10	1.8E+00	2.5E-06	1.0E-03	4.7E-09	1.6E-01	5.5E-01	4.1E-10
2.3E+00	8.0E-07	1.0E-03	1.9E-09	1.6E-01	5.5E-01	1.7E-10	1.8E+00	2.5E-06	1.0E-03	4.7E-09	1.6E-01	5.5E-01	4.1E-10
2.3E+00	8.0E-07	1.0E-03	1.9E-09	1.6E-01	5.5E-01	1.6E-10	1.8E+00	2.5E-06	1.0E-03	4.7E-09	1.6E-01	5.5E-01	4.0E-10
2.2E+00	8.0E-07	1.0E-03	1.8E-09	1.6E-01	5.5E-01	1.6E-10	1.8E+00	2.5E-06	1.0E-03	4.6E-09	1.6E-01	5.5E-01	4.0E-10
2.1E+00	8.0E-07	1.0E-03	1.8E-09	1.6E-01	5.5E-01	1.5E-10	1.7E+00	2.5E-06	1.0E-03	4.5E-09	1.6E-01	5.5E-01	3.9E-10
2.0E+00	8.0E-07	1.0E-03	1.7E-09	1.6E-01	5.5E-01	1.5E-10	1.7E+00	2.5E-06	1.0E-03	4.4E-09	1.6E-01	5.5E-01	3.8E-10
1.9E+00	8.0E-07	1.0E-03	1.6E-09	1.6E-01	5.5E-01	1.4E-10	1.6E+00	2.5E-06	1.0E-03	4.3E-09	1.6E-01	5.5E-01	3.7E-10
1.9E+00	8.0E-07	1.0E-03	1.6E-09	1.6E-01	5.5E-01	1.3E-10	1.6E+00	2.5E-06	1.0E-03	4.2E-09	1.6E-01	5.5E-01	3.6E-10
1.8E+00	8.0E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-01	1.3E-10	1.6E+00	2.5E-06	1.0E-03	4.1E-09	1.6E-01	5.5E-01	3.5E-10
1.7E+00	8.0E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-01	1.2E-10	1.5E+00	2.5E-06	1.0E-03	4.0E-09	1.6E-01	5.5E-01	3.4E-10
1.6E+00	8.0E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-01	1.2E-10	1.5E+00	2.5E-06	1.0E-03	3.9E-09	1.6E-01	5.5E-01	3.3E-10
1.6E+00	8.0E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-01	1.1E-10	1.4E+00	2.5E-06	1.0E-03	3.7E-09	1.6E-01	5.5E-01	3.2E-10

Franklin School Project

Risk From New Building Const - Mitigated Residential

Haul Route 1A							Haul Route 2A						
Conc	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
3.4E-01	5.2E-06	1.0E-03	1.8E-09	1.6E-01	5.5E-01	1.6E-10	3.9E+00	5.5E-07	1.0E-03	2.3E-09	1.6E-01	5.5E-01	1.9E-10
3.9E-01	5.2E-06	1.0E-03	2.1E-09	1.6E-01	5.5E-01	1.8E-10	4.4E+00	5.5E-07	1.0E-03	2.5E-09	1.6E-01	5.5E-01	2.2E-10
4.5E-01	5.2E-06	1.0E-03	2.4E-09	1.6E-01	5.5E-01	2.1E-10	4.7E+00	5.5E-07	1.0E-03	2.7E-09	1.6E-01	5.5E-01	2.3E-10
5.2E-01	5.2E-06	1.0E-03	2.8E-09	1.6E-01	5.5E-01	2.4E-10	4.8E+00	5.5E-07	1.0E-03	2.8E-09	1.6E-01	5.5E-01	2.4E-10
5.8E-01	5.2E-06	1.0E-03	3.1E-09	1.6E-01	5.5E-01	2.7E-10	4.8E+00	5.5E-07	1.0E-03	2.8E-09	1.6E-01	5.5E-01	2.4E-10
6.5E-01	5.2E-06	1.0E-03	3.5E-09	1.6E-01	5.5E-01	3.0E-10	4.7E+00	5.5E-07	1.0E-03	2.7E-09	1.6E-01	5.5E-01	2.3E-10
7.1E-01	5.2E-06	1.0E-03	3.8E-09	1.6E-01	5.5E-01	3.3E-10	4.3E+00	5.5E-07	1.0E-03	2.5E-09	1.6E-01	5.5E-01	2.1E-10
7.7E-01	5.2E-06	1.0E-03	4.1E-09	1.6E-01	5.5E-01	3.6E-10	3.6E+00	5.5E-07	1.0E-03	2.1E-09	1.6E-01	5.5E-01	1.8E-10
8.4E-01	5.2E-06	1.0E-03	4.5E-09	1.6E-01	5.5E-01	3.9E-10	2.8E+00	5.5E-07	1.0E-03	1.6E-09	1.6E-01	5.5E-01	1.4E-10
9.2E-01	5.2E-06	1.0E-03	5.0E-09	1.6E-01	5.5E-01	4.3E-10	2.2E+00	5.5E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-01	1.1E-10
9.9E-01	5.2E-06	1.0E-03	5.3E-09	1.6E-01	5.5E-01	4.6E-10	1.6E+00	5.5E-07	1.0E-03	9.5E-10	1.6E-01	5.5E-01	8.2E-11
1.0E+00	5.2E-06	1.0E-03	5.6E-09	1.6E-01	5.5E-01	4.8E-10	1.3E+00	5.5E-07	1.0E-03	7.4E-10	1.6E-01	5.5E-01	6.3E-11
1.0E+00	5.2E-06	1.0E-03	5.6E-09	1.6E-01	5.5E-01	4.8E-10	1.0E+00	5.5E-07	1.0E-03	5.8E-10	1.6E-01	5.5E-01	5.0E-11
1.0E+00	5.2E-06	1.0E-03	5.5E-09	1.6E-01	5.5E-01	4.7E-10	8.0E-01	5.5E-07	1.0E-03	4.6E-10	1.6E-01	5.5E-01	4.0E-11
9.5E-01	5.2E-06	1.0E-03	5.1E-09	1.6E-01	5.5E-01	4.4E-10	6.5E-01	5.5E-07	1.0E-03	3.8E-10	1.6E-01	5.5E-01	3.3E-11
8.8E-01	5.2E-06	1.0E-03	4.7E-09	1.6E-01	5.5E-01	4.1E-10	5.4E-01	5.5E-07	1.0E-03	3.1E-10	1.6E-01	5.5E-01	2.7E-11
3.9E-01	5.2E-06	1.0E-03	2.1E-09	1.6E-01	5.5E-01	1.8E-10	8.3E+00	5.5E-07	1.0E-03	4.8E-09	1.6E-01	5.5E-01	4.1E-10
4.7E-01	5.2E-06	1.0E-03	2.5E-09	1.6E-01	5.5E-01	2.2E-10	8.9E+00	5.5E-07	1.0E-03	5.2E-09	1.6E-01	5.5E-01	4.5E-10
5.5E-01	5.2E-06	1.0E-03	3.0E-09	1.6E-01	5.5E-01	2.6E-10	9.3E+00	5.5E-07	1.0E-03	5.4E-09	1.6E-01	5.5E-01	4.6E-10
6.5E-01	5.2E-06	1.0E-03	3.5E-09	1.6E-01	5.5E-01	3.0E-10	9.5E+00	5.5E-07	1.0E-03	5.5E-09	1.6E-01	5.5E-01	4.7E-10
7.6E-01	5.2E-06	1.0E-03	4.1E-09	1.6E-01	5.5E-01	3.5E-10	9.4E+00	5.5E-07	1.0E-03	5.5E-09	1.6E-01	5.5E-01	4.7E-10
8.7E-01	5.2E-06	1.0E-03	4.7E-09	1.6E-01	5.5E-01	4.0E-10	9.0E+00	5.5E-07	1.0E-03	5.2E-09	1.6E-01	5.5E-01	4.5E-10
9.7E-01	5.2E-06	1.0E-03	5.3E-09	1.6E-01	5.5E-01	4.5E-10	7.7E+00	5.5E-07	1.0E-03	4.5E-09	1.6E-01	5.5E-01	3.9E-10
1.1E+00	5.2E-06	1.0E-03	5.8E-09	1.6E-01	5.5E-01	5.0E-10	5.3E+00	5.5E-07	1.0E-03	3.1E-09	1.6E-01	5.5E-01	2.6E-10
1.2E+00	5.2E-06	1.0E-03	6.5E-09	1.6E-01	5.5E-01	5.6E-10	3.4E+00	5.5E-07	1.0E-03	2.0E-09	1.6E-01	5.5E-01	1.7E-10
1.3E+00	5.2E-06	1.0E-03	7.2E-09	1.6E-01	5.5E-01	6.2E-10	2.3E+00	5.5E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-01	1.2E-10
1.4E+00	5.2E-06	1.0E-03	7.6E-09	1.6E-01	5.5E-01	6.6E-10	1.7E+00	5.5E-07	1.0E-03	9.6E-10	1.6E-01	5.5E-01	8.3E-11
1.4E+00	5.2E-06	1.0E-03	7.7E-09	1.6E-01	5.5E-01	6.7E-10	1.2E+00	5.5E-07	1.0E-03	7.1E-10	1.6E-01	5.5E-01	6.1E-11
1.4E+00	5.2E-06	1.0E-03	7.4E-09	1.6E-01	5.5E-01	6.4E-10	9.4E-01	5.5E-07	1.0E-03	5.5E-10	1.6E-01	5.5E-01	4.7E-11
1.3E+00	5.2E-06	1.0E-03	6.9E-09	1.6E-01	5.5E-01	5.9E-10	7.5E-01	5.5E-07	1.0E-03	4.3E-10	1.6E-01	5.5E-01	3.7E-11
1.2E+00	5.2E-06	1.0E-03	6.2E-09	1.6E-01	5.5E-01	5.3E-10	6.1E-01	5.5E-07	1.0E-03	3.5E-10	1.6E-01	5.5E-01	3.0E-11
1.0E+00	5.2E-06	1.0E-03	5.5E-09	1.6E-01	5.5E-01	4.7E-10	5.0E-01	5.5E-07	1.0E-03	2.9E-10	1.6E-01	5.5E-01	2.5E-11
4.5E-01	5.2E-06	1.0E-03	2.5E-09	1.6E-01	5.5E-01	2.1E-10	6.9E+00	5.5E-07	1.0E-03	4.0E-09	1.6E-01	5.5E-01	3.4E-10
5.6E-01	5.2E-06	1.0E-03	3.0E-09	1.6E-01	5.5E-01	2.6E-10	1.1E+01	5.5E-07	1.0E-03	6.4E-09	1.6E-01	5.5E-01	5.5E-10
6.9E-01	5.2E-06	1.0E-03	3.7E-09	1.6E-01	5.5E-01	3.2E-10	6.2E+00	5.5E-07	1.0E-03	3.6E-09	1.6E-01	5.5E-01	3.1E-10
8.5E-01	5.2E-06	1.0E-03	4.6E-09	1.6E-01	5.5E-01	3.9E-10	6.1E+00	5.5E-07	1.0E-03	3.6E-09	1.6E-01	5.5E-01	3.1E-10
1.0E+00	5.2E-06	1.0E-03	5.6E-09	1.6E-01	5.5E-01	4.8E-10	6.0E+00	5.5E-07	1.0E-03	3.5E-09	1.6E-01	5.5E-01	3.0E-10
1.2E+00	5.2E-06	1.0E-03	6.7E-09	1.6E-01	5.5E-01	5.7E-10	5.4E+00	5.5E-07	1.0E-03	3.1E-09	1.6E-01	5.5E-01	2.7E-10
1.4E+00	5.2E-06	1.0E-03	7.7E-09	1.6E-01	5.5E-01	6.7E-10	6.2E+00	5.5E-07	1.0E-03	3.6E-09	1.6E-01	5.5E-01	3.1E-10

1.6E+00	5.2E-06	1.0E-03	8.9E-09	1.6E-01	5.5E-01	7.6E-10	7.1E+00	5.5E-07	1.0E-03	4.1E-09	1.6E-01	5.5E-01	3.6E-10
1.9E+00	5.2E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-01	8.7E-10	3.6E+00	5.5E-07	1.0E-03	2.1E-09	1.6E-01	5.5E-01	1.8E-10
2.1E+00	5.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.5E-10	2.2E+00	5.5E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-01	1.1E-10
2.1E+00	5.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.7E-10	1.5E+00	5.5E-07	1.0E-03	8.8E-10	1.6E-01	5.5E-01	7.6E-11
2.0E+00	5.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.3E-10	1.1E+00	5.5E-07	1.0E-03	6.4E-10	1.6E-01	5.5E-01	5.5E-11
1.8E+00	5.2E-06	1.0E-03	9.7E-09	1.6E-01	5.5E-01	8.4E-10	8.5E-01	5.5E-07	1.0E-03	4.9E-10	1.6E-01	5.5E-01	4.2E-11
1.6E+00	5.2E-06	1.0E-03	8.5E-09	1.6E-01	5.5E-01	7.3E-10	6.7E-01	5.5E-07	1.0E-03	3.9E-10	1.6E-01	5.5E-01	3.3E-11
1.3E+00	5.2E-06	1.0E-03	7.3E-09	1.6E-01	5.5E-01	6.2E-10	5.4E-01	5.5E-07	1.0E-03	3.2E-10	1.6E-01	5.5E-01	2.7E-11
1.1E+00	5.2E-06	1.0E-03	6.1E-09	1.6E-01	5.5E-01	5.3E-10	4.5E-01	5.5E-07	1.0E-03	2.6E-10	1.6E-01	5.5E-01	2.3E-11
5.2E-01	5.2E-06	1.0E-03	2.8E-09	1.6E-01	5.5E-01	2.4E-10	6.3E+00	5.5E-07	1.0E-03	3.7E-09	1.6E-01	5.5E-01	3.2E-10
6.6E-01	5.2E-06	1.0E-03	3.6E-09	1.6E-01	5.5E-01	3.1E-10	1.0E+01	5.5E-07	1.0E-03	5.9E-09	1.6E-01	5.5E-01	5.1E-10
8.6E-01	5.2E-06	1.0E-03	4.6E-09	1.6E-01	5.5E-01	4.0E-10	5.6E+00	5.5E-07	1.0E-03	3.3E-09	1.6E-01	5.5E-01	2.8E-10
1.1E+00	5.2E-06	1.0E-03	6.1E-09	1.6E-01	5.5E-01	5.2E-10	5.5E+00	5.5E-07	1.0E-03	3.2E-09	1.6E-01	5.5E-01	2.7E-10
1.5E+00	5.2E-06	1.0E-03	8.0E-09	1.6E-01	5.5E-01	6.9E-10	5.3E+00	5.5E-07	1.0E-03	3.0E-09	1.6E-01	5.5E-01	2.6E-10
1.9E+00	5.2E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-01	8.9E-10	4.5E+00	5.5E-07	1.0E-03	2.6E-09	1.6E-01	5.5E-01	2.3E-10
2.3E+00	5.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-01	1.1E-09	5.2E+00	5.5E-07	1.0E-03	3.0E-09	1.6E-01	5.5E-01	2.6E-10
2.8E+00	5.2E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-01	1.3E-09	6.0E+00	5.5E-07	1.0E-03	3.5E-09	1.6E-01	5.5E-01	3.0E-10
3.2E+00	5.2E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-01	1.5E-09	3.0E+00	5.5E-07	1.0E-03	1.8E-09	1.6E-01	5.5E-01	1.5E-10
3.4E+00	5.2E-06	1.0E-03	1.8E-08	1.6E-01	5.5E-01	1.6E-09	1.9E+00	5.5E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-01	9.4E-11
3.1E+00	5.2E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-01	1.5E-09	1.3E+00	5.5E-07	1.0E-03	7.5E-10	1.6E-01	5.5E-01	6.4E-11
2.7E+00	5.2E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-01	1.3E-09	9.5E-01	5.5E-07	1.0E-03	5.5E-10	1.6E-01	5.5E-01	4.8E-11
2.3E+00	5.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-01	1.0E-09	7.4E-01	5.5E-07	1.0E-03	4.3E-10	1.6E-01	5.5E-01	3.7E-11
1.8E+00	5.2E-06	1.0E-03	9.9E-09	1.6E-01	5.5E-01	8.5E-10	5.9E-01	5.5E-07	1.0E-03	3.4E-10	1.6E-01	5.5E-01	2.9E-11
1.5E+00	5.2E-06	1.0E-03	8.0E-09	1.6E-01	5.5E-01	6.9E-10	4.8E-01	5.5E-07	1.0E-03	2.8E-10	1.6E-01	5.5E-01	2.4E-11
1.2E+00	5.2E-06	1.0E-03	6.5E-09	1.6E-01	5.5E-01	5.6E-10	4.0E-01	5.5E-07	1.0E-03	2.3E-10	1.6E-01	5.5E-01	2.0E-11
5.9E-01	5.2E-06	1.0E-03	3.2E-09	1.6E-01	5.5E-01	2.7E-10	7.0E+00	5.5E-07	1.0E-03	4.1E-09	1.6E-01	5.5E-01	3.5E-10
7.8E-01	5.2E-06	1.0E-03	4.2E-09	1.6E-01	5.5E-01	3.6E-10	7.3E+00	5.5E-07	1.0E-03	4.2E-09	1.6E-01	5.5E-01	3.6E-10
1.1E+00	5.2E-06	1.0E-03	5.8E-09	1.6E-01	5.5E-01	5.0E-10	7.4E+00	5.5E-07	1.0E-03	4.3E-09	1.6E-01	5.5E-01	3.7E-10
1.5E+00	5.2E-06	1.0E-03	8.2E-09	1.6E-01	5.5E-01	7.1E-10	7.3E+00	5.5E-07	1.0E-03	4.2E-09	1.6E-01	5.5E-01	3.6E-10
2.2E+00	5.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-01	1.0E-09	7.0E+00	5.5E-07	1.0E-03	4.1E-09	1.6E-01	5.5E-01	3.5E-10
3.3E+00	5.2E-06	1.0E-03	1.8E-08	1.6E-01	5.5E-01	1.5E-09	6.4E+00	5.5E-07	1.0E-03	3.7E-09	1.6E-01	5.5E-01	3.2E-10
4.5E+00	5.2E-06	1.0E-03	2.4E-08	1.6E-01	5.5E-01	2.1E-09	5.2E+00	5.5E-07	1.0E-03	3.0E-09	1.6E-01	5.5E-01	2.6E-10
5.6E+00	5.2E-06	1.0E-03	3.0E-08	1.6E-01	5.5E-01	2.6E-09	3.4E+00	5.5E-07	1.0E-03	2.0E-09	1.6E-01	5.5E-01	1.7E-10
6.2E+00	5.2E-06	1.0E-03	3.3E-08	1.6E-01	5.5E-01	2.9E-09	2.2E+00	5.5E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-01	1.1E-10
5.6E+00	5.2E-06	1.0E-03	3.0E-08	1.6E-01	5.5E-01	2.6E-09	1.5E+00	5.5E-07	1.0E-03	8.7E-10	1.6E-01	5.5E-01	7.5E-11
4.5E+00	5.2E-06	1.0E-03	2.4E-08	1.6E-01	5.5E-01	2.1E-09	1.1E+00	5.5E-07	1.0E-03	6.2E-10	1.6E-01	5.5E-01	5.4E-11
3.4E+00	5.2E-06	1.0E-03	1.9E-08	1.6E-01	5.5E-01	1.6E-09	8.2E-01	5.5E-07	1.0E-03	4.7E-10	1.6E-01	5.5E-01	4.1E-11
2.6E+00	5.2E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-01	1.2E-09	6.4E-01	5.5E-07	1.0E-03	3.7E-10	1.6E-01	5.5E-01	3.2E-11
2.0E+00	5.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.3E-10	5.2E-01	5.5E-07	1.0E-03	3.0E-10	1.6E-01	5.5E-01	2.6E-11
1.5E+00	5.2E-06	1.0E-03	8.3E-09	1.6E-01	5.5E-01	7.2E-10	4.3E-01	5.5E-07	1.0E-03	2.5E-10	1.6E-01	5.5E-01	2.2E-11
1.2E+00	5.2E-06	1.0E-03	6.6E-09	1.6E-01	5.5E-01	5.7E-10	3.6E-01	5.5E-07	1.0E-03	2.1E-10	1.6E-01	5.5E-01	1.8E-11
6.5E-01	5.2E-06	1.0E-03	3.5E-09	1.6E-01	5.5E-01	3.0E-10	3.5E+00	5.5E-07	1.0E-03	2.1E-09	1.6E-01	5.5E-01	1.8E-10
8.8E-01	5.2E-06	1.0E-03	4.7E-09	1.6E-01	5.5E-01	4.1E-10	3.8E+00	5.5E-07	1.0E-03	2.2E-09	1.6E-01	5.5E-01	1.9E-10
1.3E+00	5.2E-06	1.0E-03	6.9E-09	1.6E-01	5.5E-01	6.0E-10	3.8E+00	5.5E-07	1.0E-03	2.2E-09	1.6E-01	5.5E-01	1.9E-10
2.0E+00	5.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.4E-10	3.8E+00	5.5E-07	1.0E-03	2.2E-09	1.6E-01	5.5E-01	1.9E-10
3.5E+00	5.2E-06	1.0E-03	1.9E-08	1.6E-01	5.5E-01	1.6E-09	3.7E+00	5.5E-07	1.0E-03	2.1E-09	1.6E-01	5.5E-01	1.8E-10

6.5E+00	5.2E-06	1.0E-03	3.5E-08	1.6E-01	5.5E-01	3.0E-09	3.4E+00	5.5E-07	1.0E-03	2.0E-09	1.6E-01	5.5E-01	1.7E-10
1.1E+01	5.2E-06	1.0E-03	6.1E-08	1.6E-01	5.5E-01	5.2E-09	2.9E+00	5.5E-07	1.0E-03	1.7E-09	1.6E-01	5.5E-01	1.4E-10
1.5E+01	5.2E-06	1.0E-03	8.0E-08	1.6E-01	5.5E-01	6.9E-09	2.2E+00	5.5E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-01	1.1E-10
1.3E+01	5.2E-06	1.0E-03	6.9E-08	1.6E-01	5.5E-01	6.0E-09	1.6E+00	5.5E-07	1.0E-03	9.5E-10	1.6E-01	5.5E-01	8.2E-11
8.7E+00	5.2E-06	1.0E-03	4.7E-08	1.6E-01	5.5E-01	4.1E-09	1.2E+00	5.5E-07	1.0E-03	7.0E-10	1.6E-01	5.5E-01	6.0E-11
5.7E+00	5.2E-06	1.0E-03	3.1E-08	1.6E-01	5.5E-01	2.7E-09	9.1E-01	5.5E-07	1.0E-03	5.3E-10	1.6E-01	5.5E-01	4.5E-11
3.9E+00	5.2E-06	1.0E-03	2.1E-08	1.6E-01	5.5E-01	1.8E-09	7.1E-01	5.5E-07	1.0E-03	4.1E-10	1.6E-01	5.5E-01	3.5E-11
2.7E+00	5.2E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-01	1.3E-09	5.7E-01	5.5E-07	1.0E-03	3.3E-10	1.6E-01	5.5E-01	2.8E-11
2.0E+00	5.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.2E-10	4.7E-01	5.5E-07	1.0E-03	2.7E-10	1.6E-01	5.5E-01	2.3E-11
1.5E+00	5.2E-06	1.0E-03	8.0E-09	1.6E-01	5.5E-01	6.9E-10	3.9E-01	5.5E-07	1.0E-03	2.3E-10	1.6E-01	5.5E-01	1.9E-11
1.2E+00	5.2E-06	1.0E-03	6.2E-09	1.6E-01	5.5E-01	5.4E-10	3.3E-01	5.5E-07	1.0E-03	1.9E-10	1.6E-01	5.5E-01	1.7E-11
6.8E-01	5.2E-06	1.0E-03	3.7E-09	1.6E-01	5.5E-01	3.2E-10	2.2E+00	5.5E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-01	1.1E-10
9.5E-01	5.2E-06	1.0E-03	5.1E-09	1.6E-01	5.5E-01	4.4E-10	2.4E+00	5.5E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-01	1.2E-10
1.4E+00	5.2E-06	1.0E-03	7.8E-09	1.6E-01	5.5E-01	6.7E-10	2.4E+00	5.5E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-01	1.2E-10
2.5E+00	5.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-01	1.1E-09	2.4E+00	5.5E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-01	1.2E-10
5.0E+00	5.2E-06	1.0E-03	2.7E-08	1.6E-01	5.5E-01	2.3E-09	2.4E+00	5.5E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-01	1.2E-10
1.4E+01	5.2E-06	1.0E-03	7.6E-08	1.6E-01	5.5E-01	6.6E-09	2.2E+00	5.5E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-01	1.1E-10
5.4E+01	5.2E-06	1.0E-03	2.9E-07	1.6E-01	5.5E-01	2.5E-08	1.9E+00	5.5E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-01	9.7E-11
6.1E+01	5.2E-06	1.0E-03	3.3E-07	1.6E-01	5.5E-01	2.8E-08	1.6E+00	5.5E-07	1.0E-03	9.3E-10	1.6E-01	5.5E-01	8.0E-11
2.4E+01	5.2E-06	1.0E-03	1.3E-07	1.6E-01	5.5E-01	1.1E-08	1.3E+00	5.5E-07	1.0E-03	7.5E-10	1.6E-01	5.5E-01	6.4E-11
1.1E+01	5.2E-06	1.0E-03	5.9E-08	1.6E-01	5.5E-01	5.1E-09	1.0E+00	5.5E-07	1.0E-03	5.8E-10	1.6E-01	5.5E-01	5.0E-11
6.0E+00	5.2E-06	1.0E-03	3.2E-08	1.6E-01	5.5E-01	2.8E-09	7.9E-01	5.5E-07	1.0E-03	4.6E-10	1.6E-01	5.5E-01	3.9E-11
3.8E+00	5.2E-06	1.0E-03	2.0E-08	1.6E-01	5.5E-01	1.7E-09	6.3E-01	5.5E-07	1.0E-03	3.7E-10	1.6E-01	5.5E-01	3.1E-11
2.5E+00	5.2E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-01	1.2E-09	5.1E-01	5.5E-07	1.0E-03	3.0E-10	1.6E-01	5.5E-01	2.6E-11
1.8E+00	5.2E-06	1.0E-03	9.7E-09	1.6E-01	5.5E-01	8.4E-10	4.3E-01	5.5E-07	1.0E-03	2.5E-10	1.6E-01	5.5E-01	2.1E-11
1.3E+00	5.2E-06	1.0E-03	7.3E-09	1.6E-01	5.5E-01	6.2E-10	3.6E-01	5.5E-07	1.0E-03	2.1E-10	1.6E-01	5.5E-01	1.8E-11
1.0E+00	5.2E-06	1.0E-03	5.6E-09	1.6E-01	5.5E-01	4.8E-10	3.1E-01	5.5E-07	1.0E-03	1.8E-10	1.6E-01	5.5E-01	1.5E-11
6.9E-01	5.2E-06	1.0E-03	3.7E-09	1.6E-01	5.5E-01	3.2E-10	1.5E+00	5.5E-07	1.0E-03	8.7E-10	1.6E-01	5.5E-01	7.5E-11
9.7E-01	5.2E-06	1.0E-03	5.2E-09	1.6E-01	5.5E-01	4.5E-10	1.6E+00	5.5E-07	1.0E-03	9.4E-10	1.6E-01	5.5E-01	8.1E-11
1.5E+00	5.2E-06	1.0E-03	8.0E-09	1.6E-01	5.5E-01	6.9E-10	1.7E+00	5.5E-07	1.0E-03	9.8E-10	1.6E-01	5.5E-01	8.4E-11
2.6E+00	5.2E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-01	1.2E-09	1.7E+00	5.5E-07	1.0E-03	9.9E-10	1.6E-01	5.5E-01	8.5E-11
5.5E+00	5.2E-06	1.0E-03	3.0E-08	1.6E-01	5.5E-01	2.5E-09	1.7E+00	5.5E-07	1.0E-03	9.6E-10	1.6E-01	5.5E-01	8.3E-11
9.6E+00	5.2E-06	1.0E-03	5.2E-08	1.6E-01	5.5E-01	4.4E-09	8.5E-01	5.5E-07	1.0E-03	4.9E-10	1.6E-01	5.5E-01	4.2E-11
5.1E+00	5.2E-06	1.0E-03	2.8E-08	1.6E-01	5.5E-01	2.4E-09	6.9E-01	5.5E-07	1.0E-03	4.0E-10	1.6E-01	5.5E-01	3.5E-11
3.2E+00	5.2E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-01	1.5E-09	5.7E-01	5.5E-07	1.0E-03	3.3E-10	1.6E-01	5.5E-01	2.8E-11
2.1E+00	5.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-01	1.0E-09	4.7E-01	5.5E-07	1.0E-03	2.7E-10	1.6E-01	5.5E-01	2.3E-11
1.5E+00	5.2E-06	1.0E-03	8.3E-09	1.6E-01	5.5E-01	7.2E-10	3.9E-01	5.5E-07	1.0E-03	2.3E-10	1.6E-01	5.5E-01	2.0E-11
1.2E+00	5.2E-06	1.0E-03	6.3E-09	1.6E-01	5.5E-01	5.4E-10	3.3E-01	5.5E-07	1.0E-03	1.9E-10	1.6E-01	5.5E-01	1.7E-11
9.0E-01	5.2E-06	1.0E-03	4.9E-09	1.6E-01	5.5E-01	4.2E-10	2.9E-01	5.5E-07	1.0E-03	1.7E-10	1.6E-01	5.5E-01	1.4E-11
6.6E-01	5.2E-06	1.0E-03	3.6E-09	1.6E-01	5.5E-01	3.1E-10	1.1E+00	5.5E-07	1.0E-03	6.3E-10	1.6E-01	5.5E-01	5.4E-11
9.1E-01	5.2E-06	1.0E-03	4.9E-09	1.6E-01	5.5E-01	4.2E-10	1.2E+00	5.5E-07	1.0E-03	6.8E-10	1.6E-01	5.5E-01	5.9E-11
1.4E+00	5.2E-06	1.0E-03	7.3E-09	1.6E-01	5.5E-01	6.3E-10	1.2E+00	5.5E-07	1.0E-03	7.2E-10	1.6E-01	5.5E-01	6.2E-11
2.2E+00	5.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-01	1.0E-09	1.3E+00	5.5E-07	1.0E-03	7.3E-10	1.6E-01	5.5E-01	6.3E-11
4.1E+00	5.2E-06	1.0E-03	2.2E-08	1.6E-01	5.5E-01	1.9E-09	1.2E+00	5.5E-07	1.0E-03	7.2E-10	1.6E-01	5.5E-01	6.2E-11
6.4E+00	5.2E-06	1.0E-03	3.5E-08	1.6E-01	5.5E-01	3.0E-09	7.2E-01	5.5E-07	1.0E-03	4.2E-10	1.6E-01	5.5E-01	3.6E-11
3.9E+00	5.2E-06	1.0E-03	2.1E-08	1.6E-01	5.5E-01	1.8E-09	6.1E-01	5.5E-07	1.0E-03	3.5E-10	1.6E-01	5.5E-01	3.0E-11

2.5E+00	5.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-01	1.2E-09	5.1E-01	5.5E-07	1.0E-03	2.9E-10	1.6E-01	5.5E-01	2.5E-11
1.8E+00	5.2E-06	1.0E-03	9.5E-09	1.6E-01	5.5E-01	8.2E-10	4.3E-01	5.5E-07	1.0E-03	2.5E-10	1.6E-01	5.5E-01	2.2E-11
1.3E+00	5.2E-06	1.0E-03	7.0E-09	1.6E-01	5.5E-01	6.0E-10	3.7E-01	5.5E-07	1.0E-03	2.1E-10	1.6E-01	5.5E-01	1.8E-11
9.9E-01	5.2E-06	1.0E-03	5.4E-09	1.6E-01	5.5E-01	4.6E-10	3.1E-01	5.5E-07	1.0E-03	1.8E-10	1.6E-01	5.5E-01	1.6E-11
7.8E-01	5.2E-06	1.0E-03	4.2E-09	1.6E-01	5.5E-01	3.6E-10	2.7E-01	5.5E-07	1.0E-03	1.6E-10	1.6E-01	5.5E-01	1.4E-11
6.1E-01	5.2E-06	1.0E-03	3.3E-09	1.6E-01	5.5E-01	2.8E-10	8.3E-01	5.5E-07	1.0E-03	4.8E-10	1.6E-01	5.5E-01	4.1E-11
8.2E-01	5.2E-06	1.0E-03	4.4E-09	1.6E-01	5.5E-01	3.8E-10	9.0E-01	5.5E-07	1.0E-03	5.2E-10	1.6E-01	5.5E-01	4.5E-11
1.1E+00	5.2E-06	1.0E-03	6.2E-09	1.6E-01	5.5E-01	5.3E-10	9.4E-01	5.5E-07	1.0E-03	5.5E-10	1.6E-01	5.5E-01	4.7E-11
1.7E+00	5.2E-06	1.0E-03	9.3E-09	1.6E-01	5.5E-01	8.0E-10	9.6E-01	5.5E-07	1.0E-03	5.6E-10	1.6E-01	5.5E-01	4.8E-11
2.7E+00	5.2E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-01	1.2E-09	9.6E-01	5.5E-07	1.0E-03	5.5E-10	1.6E-01	5.5E-01	4.8E-11
4.2E+00	5.2E-06	1.0E-03	2.2E-08	1.6E-01	5.5E-01	1.9E-09	6.1E-01	5.5E-07	1.0E-03	3.6E-10	1.6E-01	5.5E-01	3.1E-11
2.8E+00	5.2E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-01	1.3E-09	5.3E-01	5.5E-07	1.0E-03	3.1E-10	1.6E-01	5.5E-01	2.6E-11
2.0E+00	5.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.3E-10	4.6E-01	5.5E-07	1.0E-03	2.6E-10	1.6E-01	5.5E-01	2.3E-11
1.5E+00	5.2E-06	1.0E-03	8.0E-09	1.6E-01	5.5E-01	6.9E-10	4.0E-01	5.5E-07	1.0E-03	2.3E-10	1.6E-01	5.5E-01	2.0E-11
1.1E+00	5.2E-06	1.0E-03	6.0E-09	1.6E-01	5.5E-01	5.2E-10	3.4E-01	5.5E-07	1.0E-03	2.0E-10	1.6E-01	5.5E-01	1.7E-11
8.7E-01	5.2E-06	1.0E-03	4.7E-09	1.6E-01	5.5E-01	4.0E-10	3.0E-01	5.5E-07	1.0E-03	1.7E-10	1.6E-01	5.5E-01	1.5E-11
6.9E-01	5.2E-06	1.0E-03	3.7E-09	1.6E-01	5.5E-01	3.2E-10	2.6E-01	5.5E-07	1.0E-03	1.5E-10	1.6E-01	5.5E-01	1.3E-11
5.4E-01	5.2E-06	1.0E-03	2.9E-09	1.6E-01	5.5E-01	2.5E-10	6.5E-01	5.5E-07	1.0E-03	3.8E-10	1.6E-01	5.5E-01	3.3E-11
7.0E-01	5.2E-06	1.0E-03	3.8E-09	1.6E-01	5.5E-01	3.2E-10	7.0E-01	5.5E-07	1.0E-03	4.1E-10	1.6E-01	5.5E-01	3.5E-11
9.4E-01	5.2E-06	1.0E-03	5.1E-09	1.6E-01	5.5E-01	4.4E-10	7.4E-01	5.5E-07	1.0E-03	4.3E-10	1.6E-01	5.5E-01	3.7E-11
1.3E+00	5.2E-06	1.0E-03	7.0E-09	1.6E-01	5.5E-01	6.0E-10	7.6E-01	5.5E-07	1.0E-03	4.4E-10	1.6E-01	5.5E-01	3.8E-11
1.9E+00	5.2E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-01	8.6E-10	7.6E-01	5.5E-07	1.0E-03	4.4E-10	1.6E-01	5.5E-01	3.8E-11
3.0E+00	5.2E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-01	1.4E-09	5.3E-01	5.5E-07	1.0E-03	3.1E-10	1.6E-01	5.5E-01	2.7E-11
2.2E+00	5.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-01	1.0E-09	4.7E-01	5.5E-07	1.0E-03	2.7E-10	1.6E-01	5.5E-01	2.3E-11
1.6E+00	5.2E-06	1.0E-03	8.7E-09	1.6E-01	5.5E-01	7.5E-10	4.1E-01	5.5E-07	1.0E-03	2.4E-10	1.6E-01	5.5E-01	2.0E-11
1.3E+00	5.2E-06	1.0E-03	6.9E-09	1.6E-01	5.5E-01	5.9E-10	3.6E-01	5.5E-07	1.0E-03	2.1E-10	1.6E-01	5.5E-01	1.8E-11
9.8E-01	5.2E-06	1.0E-03	5.3E-09	1.6E-01	5.5E-01	4.6E-10	3.2E-01	5.5E-07	1.0E-03	1.8E-10	1.6E-01	5.5E-01	1.6E-11
7.8E-01	5.2E-06	1.0E-03	4.2E-09	1.6E-01	5.5E-01	3.6E-10	2.8E-01	5.5E-07	1.0E-03	1.6E-10	1.6E-01	5.5E-01	1.4E-11
6.3E-01	5.2E-06	1.0E-03	3.4E-09	1.6E-01	5.5E-01	2.9E-10	2.4E-01	5.5E-07	1.0E-03	1.4E-10	1.6E-01	5.5E-01	1.2E-11
4.7E-01	5.2E-06	1.0E-03	2.6E-09	1.6E-01	5.5E-01	2.2E-10	5.3E-01	5.5E-07	1.0E-03	3.1E-10	1.6E-01	5.5E-01	2.6E-11
5.9E-01	5.2E-06	1.0E-03	3.2E-09	1.6E-01	5.5E-01	2.7E-10	5.7E-01	5.5E-07	1.0E-03	3.3E-10	1.6E-01	5.5E-01	2.8E-11
7.6E-01	5.2E-06	1.0E-03	4.1E-09	1.6E-01	5.5E-01	3.5E-10	6.0E-01	5.5E-07	1.0E-03	3.5E-10	1.6E-01	5.5E-01	3.0E-11
1.0E+00	5.2E-06	1.0E-03	5.4E-09	1.6E-01	5.5E-01	4.6E-10	6.1E-01	5.5E-07	1.0E-03	3.5E-10	1.6E-01	5.5E-01	3.1E-11
1.4E+00	5.2E-06	1.0E-03	7.3E-09	1.6E-01	5.5E-01	6.3E-10	6.2E-01	5.5E-07	1.0E-03	3.6E-10	1.6E-01	5.5E-01	3.1E-11
1.8E+00	5.2E-06	1.0E-03	9.8E-09	1.6E-01	5.5E-01	8.4E-10	6.1E-01	5.5E-07	1.0E-03	3.5E-10	1.6E-01	5.5E-01	3.0E-11
2.2E+00	5.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-01	1.0E-09	5.8E-01	5.5E-07	1.0E-03	3.4E-10	1.6E-01	5.5E-01	2.9E-11
2.5E+00	5.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-01	1.1E-09	5.5E-01	5.5E-07	1.0E-03	3.2E-10	1.6E-01	5.5E-01	2.7E-11
2.4E+00	5.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-01	1.1E-09	5.1E-01	5.5E-07	1.0E-03	2.9E-10	1.6E-01	5.5E-01	2.5E-11
2.1E+00	5.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.8E-10	4.6E-01	5.5E-07	1.0E-03	2.7E-10	1.6E-01	5.5E-01	2.3E-11
1.7E+00	5.2E-06	1.0E-03	9.4E-09	1.6E-01	5.5E-01	8.1E-10	4.2E-01	5.5E-07	1.0E-03	2.4E-10	1.6E-01	5.5E-01	2.1E-11
1.3E+00	5.2E-06	1.0E-03	7.1E-09	1.6E-01	5.5E-01	6.2E-10	3.7E-01	5.5E-07	1.0E-03	2.1E-10	1.6E-01	5.5E-01	1.8E-11
1.1E+00	5.2E-06	1.0E-03	5.7E-09	1.6E-01	5.5E-01	4.9E-10	3.2E-01	5.5E-07	1.0E-03	1.9E-10	1.6E-01	5.5E-01	1.6E-11
8.7E-01	5.2E-06	1.0E-03	4.7E-09	1.6E-01	5.5E-01	4.1E-10	2.9E-01	5.5E-07	1.0E-03	1.7E-10	1.6E-01	5.5E-01	1.5E-11
7.0E-01	5.2E-06	1.0E-03	3.8E-09	1.6E-01	5.5E-01	3.3E-10	2.6E-01	5.5E-07	1.0E-03	1.5E-10	1.6E-01	5.5E-01	1.3E-11
5.7E-01	5.2E-06	1.0E-03	3.1E-09	1.6E-01	5.5E-01	2.7E-10	2.3E-01	5.5E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-01	1.2E-11
4.1E-01	5.2E-06	1.0E-03	2.2E-09	1.6E-01	5.5E-01	1.9E-10	4.4E-01	5.5E-07	1.0E-03	2.5E-10	1.6E-01	5.5E-01	2.2E-11

5.0E-01	5.2E-06	1.0E-03	2.7E-09	1.6E-01	5.5E-01	2.3E-10	4.7E-01	5.5E-07	1.0E-03	2.7E-10	1.6E-01	5.5E-01	2.3E-11
6.2E-01	5.2E-06	1.0E-03	3.4E-09	1.6E-01	5.5E-01	2.9E-10	4.9E-01	5.5E-07	1.0E-03	2.8E-10	1.6E-01	5.5E-01	2.4E-11
8.0E-01	5.2E-06	1.0E-03	4.3E-09	1.6E-01	5.5E-01	3.7E-10	5.0E-01	5.5E-07	1.0E-03	2.9E-10	1.6E-01	5.5E-01	2.5E-11
1.0E+00	5.2E-06	1.0E-03	5.5E-09	1.6E-01	5.5E-01	4.8E-10	5.1E-01	5.5E-07	1.0E-03	2.9E-10	1.6E-01	5.5E-01	2.5E-11
1.3E+00	5.2E-06	1.0E-03	6.9E-09	1.6E-01	5.5E-01	6.0E-10	5.0E-01	5.5E-07	1.0E-03	2.9E-10	1.6E-01	5.5E-01	2.5E-11
1.5E+00	5.2E-06	1.0E-03	8.2E-09	1.6E-01	5.5E-01	7.1E-10	4.9E-01	5.5E-07	1.0E-03	2.8E-10	1.6E-01	5.5E-01	2.4E-11
1.7E+00	5.2E-06	1.0E-03	9.0E-09	1.6E-01	5.5E-01	7.7E-10	4.7E-01	5.5E-07	1.0E-03	2.7E-10	1.6E-01	5.5E-01	2.3E-11
1.7E+00	5.2E-06	1.0E-03	9.0E-09	1.6E-01	5.5E-01	7.8E-10	4.4E-01	5.5E-07	1.0E-03	2.5E-10	1.6E-01	5.5E-01	2.2E-11
1.6E+00	5.2E-06	1.0E-03	8.4E-09	1.6E-01	5.5E-01	7.2E-10	4.0E-01	5.5E-07	1.0E-03	2.3E-10	1.6E-01	5.5E-01	2.0E-11
1.4E+00	5.2E-06	1.0E-03	7.3E-09	1.6E-01	5.5E-01	6.3E-10	3.7E-01	5.5E-07	1.0E-03	2.1E-10	1.6E-01	5.5E-01	1.8E-11
1.1E+00	5.2E-06	1.0E-03	6.1E-09	1.6E-01	5.5E-01	5.3E-10	3.3E-01	5.5E-07	1.0E-03	1.9E-10	1.6E-01	5.5E-01	1.7E-11
9.0E-01	5.2E-06	1.0E-03	4.8E-09	1.6E-01	5.5E-01	4.2E-10	2.9E-01	5.5E-07	1.0E-03	1.7E-10	1.6E-01	5.5E-01	1.5E-11
7.7E-01	5.2E-06	1.0E-03	4.1E-09	1.6E-01	5.5E-01	3.6E-10	2.7E-01	5.5E-07	1.0E-03	1.6E-10	1.6E-01	5.5E-01	1.3E-11
6.4E-01	5.2E-06	1.0E-03	3.4E-09	1.6E-01	5.5E-01	3.0E-10	2.4E-01	5.5E-07	1.0E-03	1.4E-10	1.6E-01	5.5E-01	1.2E-11
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3.6E-01	5.2E-06	1.0E-03	1.9E-09	1.6E-01	5.5E-01	1.7E-10	3.7E-01	5.5E-07	1.0E-03	2.1E-10	1.6E-01	5.5E-01	1.8E-11
4.3E-01	5.2E-06	1.0E-03	2.3E-09	1.6E-01	5.5E-01	2.0E-10	3.9E-01	5.5E-07	1.0E-03	2.3E-10	1.6E-01	5.5E-01	2.0E-11
5.3E-01	5.2E-06	1.0E-03	2.8E-09	1.6E-01	5.5E-01	2.4E-10	4.1E-01	5.5E-07	1.0E-03	2.4E-10	1.6E-01	5.5E-01	2.0E-11
6.5E-01	5.2E-06	1.0E-03	3.5E-09	1.6E-01	5.5E-01	3.0E-10	4.2E-01	5.5E-07	1.0E-03	2.4E-10	1.6E-01	5.5E-01	2.1E-11
8.0E-01	5.2E-06	1.0E-03	4.3E-09	1.6E-01	5.5E-01	3.7E-10	4.3E-01	5.5E-07	1.0E-03	2.5E-10	1.6E-01	5.5E-01	2.1E-11
9.6E-01	5.2E-06	1.0E-03	5.2E-09	1.6E-01	5.5E-01	4.4E-10	4.2E-01	5.5E-07	1.0E-03	2.5E-10	1.6E-01	5.5E-01	2.1E-11
1.1E+00	5.2E-06	1.0E-03	5.9E-09	1.6E-01	5.5E-01	5.1E-10	4.1E-01	5.5E-07	1.0E-03	2.4E-10	1.6E-01	5.5E-01	2.1E-11
1.2E+00	5.2E-06	1.0E-03	6.5E-09	1.6E-01	5.5E-01	5.6E-10	4.0E-01	5.5E-07	1.0E-03	2.3E-10	1.6E-01	5.5E-01	2.0E-11
1.2E+00	5.2E-06	1.0E-03	6.6E-09	1.6E-01	5.5E-01	5.7E-10	3.8E-01	5.5E-07	1.0E-03	2.2E-10	1.6E-01	5.5E-01	1.9E-11
1.2E+00	5.2E-06	1.0E-03	6.2E-09	1.6E-01	5.5E-01	5.4E-10	3.5E-01	5.5E-07	1.0E-03	2.0E-10	1.6E-01	5.5E-01	1.8E-11
1.0E+00	5.2E-06	1.0E-03	5.5E-09	1.6E-01	5.5E-01	4.8E-10	3.2E-01	5.5E-07	1.0E-03	1.9E-10	1.6E-01	5.5E-01	1.6E-11
9.0E-01	5.2E-06	1.0E-03	4.9E-09	1.6E-01	5.5E-01	4.2E-10	3.0E-01	5.5E-07	1.0E-03	1.7E-10	1.6E-01	5.5E-01	1.5E-11
7.8E-01	5.2E-06	1.0E-03	4.2E-09	1.6E-01	5.5E-01	3.6E-10	2.7E-01	5.5E-07	1.0E-03	1.6E-10	1.6E-01	5.5E-01	1.3E-11
6.4E-01	5.2E-06	1.0E-03	3.5E-09	1.6E-01	5.5E-01	3.0E-10	2.4E-01	5.5E-07	1.0E-03	1.4E-10	1.6E-01	5.5E-01	1.2E-11
5.7E-01	5.2E-06	1.0E-03	3.1E-09	1.6E-01	5.5E-01	2.7E-10	2.3E-01	5.5E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-01	1.1E-11
4.9E-01	5.2E-06	1.0E-03	2.6E-09	1.6E-01	5.5E-01	2.3E-10	2.1E-01	5.5E-07	1.0E-03	1.2E-10	1.6E-01	5.5E-01	1.0E-11
3.2E-01	5.2E-06	1.0E-03	1.7E-09	1.6E-01	5.5E-01	1.5E-10	3.1E-01	5.5E-07	1.0E-03	1.8E-10	1.6E-01	5.5E-01	1.6E-11
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4.5E-01	5.2E-06	1.0E-03	2.4E-09	1.6E-01	5.5E-01	2.1E-10	3.5E-01	5.5E-07	1.0E-03	2.0E-10	1.6E-01	5.5E-01	1.7E-11
5.3E-01	5.2E-06	1.0E-03	2.9E-09	1.6E-01	5.5E-01	2.5E-10	3.6E-01	5.5E-07	1.0E-03	2.1E-10	1.6E-01	5.5E-01	1.8E-11
6.4E-01	5.2E-06	1.0E-03	3.4E-09	1.6E-01	5.5E-01	3.0E-10	3.6E-01	5.5E-07	1.0E-03	2.1E-10	1.6E-01	5.5E-01	1.8E-11
7.4E-01	5.2E-06	1.0E-03	4.0E-09	1.6E-01	5.5E-01	3.4E-10	3.6E-01	5.5E-07	1.0E-03	2.1E-10	1.6E-01	5.5E-01	1.8E-11
8.4E-01	5.2E-06	1.0E-03	4.5E-09	1.6E-01	5.5E-01	3.9E-10	3.5E-01	5.5E-07	1.0E-03	2.1E-10	1.6E-01	5.5E-01	1.8E-11
9.0E-01	5.2E-06	1.0E-03	4.8E-09	1.6E-01	5.5E-01	4.2E-10	3.4E-01	5.5E-07	1.0E-03	2.0E-10	1.6E-01	5.5E-01	1.7E-11
9.2E-01	5.2E-06	1.0E-03	5.0E-09	1.6E-01	5.5E-01	4.3E-10	3.3E-01	5.5E-07	1.0E-03	1.9E-10	1.6E-01	5.5E-01	1.6E-11
8.9E-01	5.2E-06	1.0E-03	4.8E-09	1.6E-01	5.5E-01	4.1E-10	3.1E-01	5.5E-07	1.0E-03	1.8E-10	1.6E-01	5.5E-01	1.5E-11
8.4E-01	5.2E-06	1.0E-03	4.5E-09	1.6E-01	5.5E-01	3.9E-10	2.9E-01	5.5E-07	1.0E-03	1.7E-10	1.6E-01	5.5E-01	1.5E-11
7.7E-01	5.2E-06	1.0E-03	4.2E-09	1.6E-01	5.5E-01	3.6E-10	2.7E-01	5.5E-07	1.0E-03	1.6E-10	1.6E-01	5.5E-01	1.4E-11
6.8E-01	5.2E-06	1.0E-03	3.7E-09	1.6E-01	5.5E-01	3.2E-10	2.5E-01	5.5E-07	1.0E-03	1.5E-10	1.6E-01	5.5E-01	1.2E-11
5.6E-01	5.2E-06	1.0E-03	3.0E-09	1.6E-01	5.5E-01	2.6E-10	2.2E-01	5.5E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-01	1.1E-11
4.9E-01	5.2E-06	1.0E-03	2.6E-09	1.6E-01	5.5E-01	2.3E-10	2.0E-01	5.5E-07	1.0E-03	1.2E-10	1.6E-01	5.5E-01	1.0E-11

4.5E-01	5.2E-06	1.0E-03	2.4E-09	1.6E-01	5.5E-01	2.1E-10	1.9E-01	5.5E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-01	9.6E-12
2.8E-01	5.2E-06	1.0E-03	1.5E-09	1.6E-01	5.5E-01	1.3E-10	2.7E-01	5.5E-07	1.0E-03	1.6E-10	1.6E-01	5.5E-01	1.4E-11
3.3E-01	5.2E-06	1.0E-03	1.8E-09	1.6E-01	5.5E-01	1.5E-10	2.9E-01	5.5E-07	1.0E-03	1.7E-10	1.6E-01	5.5E-01	1.4E-11
3.8E-01	5.2E-06	1.0E-03	2.1E-09	1.6E-01	5.5E-01	1.8E-10	3.0E-01	5.5E-07	1.0E-03	1.7E-10	1.6E-01	5.5E-01	1.5E-11
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5.2E-01	5.2E-06	1.0E-03	2.8E-09	1.6E-01	5.5E-01	2.4E-10	3.1E-01	5.5E-07	1.0E-03	1.8E-10	1.6E-01	5.5E-01	1.5E-11
5.9E-01	5.2E-06	1.0E-03	3.2E-09	1.6E-01	5.5E-01	2.8E-10	3.1E-01	5.5E-07	1.0E-03	1.8E-10	1.6E-01	5.5E-01	1.5E-11
6.6E-01	5.2E-06	1.0E-03	3.5E-09	1.6E-01	5.5E-01	3.1E-10	3.1E-01	5.5E-07	1.0E-03	1.8E-10	1.6E-01	5.5E-01	1.5E-11
7.0E-01	5.2E-06	1.0E-03	3.8E-09	1.6E-01	5.5E-01	3.3E-10	3.0E-01	5.5E-07	1.0E-03	1.7E-10	1.6E-01	5.5E-01	1.5E-11
7.2E-01	5.2E-06	1.0E-03	3.9E-09	1.6E-01	5.5E-01	3.3E-10	2.9E-01	5.5E-07	1.0E-03	1.7E-10	1.6E-01	5.5E-01	1.4E-11
7.1E-01	5.2E-06	1.0E-03	3.8E-09	1.6E-01	5.5E-01	3.3E-10	2.7E-01	5.5E-07	1.0E-03	1.6E-10	1.6E-01	5.5E-01	1.4E-11
6.9E-01	5.2E-06	1.0E-03	3.7E-09	1.6E-01	5.5E-01	3.2E-10	2.6E-01	5.5E-07	1.0E-03	1.5E-10	1.6E-01	5.5E-01	1.3E-11
6.4E-01	5.2E-06	1.0E-03	3.4E-09	1.6E-01	5.5E-01	3.0E-10	2.4E-01	5.5E-07	1.0E-03	1.4E-10	1.6E-01	5.5E-01	1.2E-11
5.8E-01	5.2E-06	1.0E-03	3.1E-09	1.6E-01	5.5E-01	2.7E-10	2.3E-01	5.5E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-01	1.1E-11
5.2E-01	5.2E-06	1.0E-03	2.8E-09	1.6E-01	5.5E-01	2.4E-10	2.1E-01	5.5E-07	1.0E-03	1.2E-10	1.6E-01	5.5E-01	1.1E-11
4.3E-01	5.2E-06	1.0E-03	2.3E-09	1.6E-01	5.5E-01	2.0E-10	1.9E-01	5.5E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-01	9.3E-12
3.8E-01	5.2E-06	1.0E-03	2.1E-09	1.6E-01	5.5E-01	1.8E-10	1.7E-01	5.5E-07	1.0E-03	1.0E-10	1.6E-01	5.5E-01	8.6E-12
2.5E-01	5.2E-06	1.0E-03	1.3E-09	1.6E-01	5.5E-01	1.2E-10	2.4E-01	5.5E-07	1.0E-03	1.4E-10	1.6E-01	5.5E-01	1.2E-11
2.9E-01	5.2E-06	1.0E-03	1.5E-09	1.6E-01	5.5E-01	1.3E-10	2.5E-01	5.5E-07	1.0E-03	1.4E-10	1.6E-01	5.5E-01	1.2E-11
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3.8E-01	5.2E-06	1.0E-03	2.0E-09	1.6E-01	5.5E-01	1.8E-10	2.7E-01	5.5E-07	1.0E-03	1.5E-10	1.6E-01	5.5E-01	1.3E-11
4.3E-01	5.2E-06	1.0E-03	2.3E-09	1.6E-01	5.5E-01	2.0E-10	2.7E-01	5.5E-07	1.0E-03	1.6E-10	1.6E-01	5.5E-01	1.3E-11
4.9E-01	5.2E-06	1.0E-03	2.6E-09	1.6E-01	5.5E-01	2.3E-10	2.7E-01	5.5E-07	1.0E-03	1.6E-10	1.6E-01	5.5E-01	1.3E-11
5.3E-01	5.2E-06	1.0E-03	2.9E-09	1.6E-01	5.5E-01	2.5E-10	2.7E-01	5.5E-07	1.0E-03	1.6E-10	1.6E-01	5.5E-01	1.3E-11
5.6E-01	5.2E-06	1.0E-03	3.0E-09	1.6E-01	5.5E-01	2.6E-10	2.6E-01	5.5E-07	1.0E-03	1.5E-10	1.6E-01	5.5E-01	1.3E-11
5.8E-01	5.2E-06	1.0E-03	3.1E-09	1.6E-01	5.5E-01	2.7E-10	2.5E-01	5.5E-07	1.0E-03	1.5E-10	1.6E-01	5.5E-01	1.3E-11
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5.6E-01	5.2E-06	1.0E-03	3.0E-09	1.6E-01	5.5E-01	2.6E-10	2.3E-01	5.5E-07	1.0E-03	1.4E-10	1.6E-01	5.5E-01	1.2E-11
5.3E-01	5.2E-06	1.0E-03	2.9E-09	1.6E-01	5.5E-01	2.5E-10	2.2E-01	5.5E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-01	1.1E-11
5.0E-01	5.2E-06	1.0E-03	2.7E-09	1.6E-01	5.5E-01	2.3E-10	2.1E-01	5.5E-07	1.0E-03	1.2E-10	1.6E-01	5.5E-01	1.0E-11
4.5E-01	5.2E-06	1.0E-03	2.5E-09	1.6E-01	5.5E-01	2.1E-10	1.9E-01	5.5E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-01	9.7E-12
4.0E-01	5.2E-06	1.0E-03	2.2E-09	1.6E-01	5.5E-01	1.9E-10	1.8E-01	5.5E-07	1.0E-03	1.0E-10	1.6E-01	5.5E-01	9.0E-12
3.4E-01	5.2E-06	1.0E-03	1.8E-09	1.6E-01	5.5E-01	1.6E-10	1.6E-01	5.5E-07	1.0E-03	9.3E-11	1.6E-01	5.5E-01	8.0E-12
2.2E-01	5.2E-06	1.0E-03	1.2E-09	1.6E-01	5.5E-01	1.0E-10	2.1E-01	5.5E-07	1.0E-03	1.2E-10	1.6E-01	5.5E-01	1.0E-11
2.5E-01	5.2E-06	1.0E-03	1.4E-09	1.6E-01	5.5E-01	1.2E-10	2.2E-01	5.5E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-01	1.1E-11
2.9E-01	5.2E-06	1.0E-03	1.5E-09	1.6E-01	5.5E-01	1.3E-10	2.3E-01	5.5E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-01	1.1E-11
3.3E-01	5.2E-06	1.0E-03	1.8E-09	1.6E-01	5.5E-01	1.5E-10	2.3E-01	5.5E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-01	1.2E-11
3.7E-01	5.2E-06	1.0E-03	2.0E-09	1.6E-01	5.5E-01	1.7E-10	2.4E-01	5.5E-07	1.0E-03	1.4E-10	1.6E-01	5.5E-01	1.2E-11
4.0E-01	5.2E-06	1.0E-03	2.2E-09	1.6E-01	5.5E-01	1.9E-10	2.4E-01	5.5E-07	1.0E-03	1.4E-10	1.6E-01	5.5E-01	1.2E-11
4.4E-01	5.2E-06	1.0E-03	2.4E-09	1.6E-01	5.5E-01	2.0E-10	2.4E-01	5.5E-07	1.0E-03	1.4E-10	1.6E-01	5.5E-01	1.2E-11
4.6E-01	5.2E-06	1.0E-03	2.5E-09	1.6E-01	5.5E-01	2.1E-10	2.3E-01	5.5E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-01	1.2E-11
4.8E-01	5.2E-06	1.0E-03	2.6E-09	1.6E-01	5.5E-01	2.2E-10	2.3E-01	5.5E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-01	1.1E-11
4.8E-01	5.2E-06	1.0E-03	2.6E-09	1.6E-01	5.5E-01	2.2E-10	2.2E-01	5.5E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-01	1.1E-11
4.7E-01	5.2E-06	1.0E-03	2.5E-09	1.6E-01	5.5E-01	2.2E-10	2.1E-01	5.5E-07	1.0E-03	1.2E-10	1.6E-01	5.5E-01	1.0E-11
4.5E-01	5.2E-06	1.0E-03	2.4E-09	1.6E-01	5.5E-01	2.1E-10	2.0E-01	5.5E-07	1.0E-03	1.2E-10	1.6E-01	5.5E-01	1.0E-11
4.3E-01	5.2E-06	1.0E-03	2.3E-09	1.6E-01	5.5E-01	2.0E-10	1.9E-01	5.5E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-01	9.5E-12

4.0E-01	5.2E-06	1.0E-03	2.1E-09	1.6E-01	5.5E-01	1.8E-10	1.8E-01	5.5E-07	1.0E-03	1.0E-10	1.6E-01	5.5E-01	8.9E-12
3.6E-01	5.2E-06	1.0E-03	1.9E-09	1.6E-01	5.5E-01	1.7E-10	1.7E-01	5.5E-07	1.0E-03	9.7E-11	1.6E-01	5.5E-01	8.3E-12
3.1E-01	5.2E-06	1.0E-03	1.7E-09	1.6E-01	5.5E-01	1.4E-10	1.5E-01	5.5E-07	1.0E-03	8.7E-11	1.6E-01	5.5E-01	7.5E-12
1.4E+01	5.2E-06	1.0E-03	7.6E-08	1.6E-01	5.5E-01	6.6E-09	2.2E+00	5.5E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-01	1.1E-10
1.8E+01	5.2E-06	1.0E-03	9.9E-08	1.6E-01	5.5E-01	8.5E-09	2.2E+00	5.5E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-01	1.1E-10
2.4E+01	5.2E-06	1.0E-03	1.3E-07	1.6E-01	5.5E-01	1.1E-08	2.1E+00	5.5E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-01	1.1E-10
3.2E+01	5.2E-06	1.0E-03	1.7E-07	1.6E-01	5.5E-01	1.5E-08	2.1E+00	5.5E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-01	1.0E-10
4.2E+01	5.2E-06	1.0E-03	2.3E-07	1.6E-01	5.5E-01	2.0E-08	2.0E+00	5.5E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-01	1.0E-10
5.4E+01	5.2E-06	1.0E-03	2.9E-07	1.6E-01	5.5E-01	2.5E-08	1.9E+00	5.5E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-01	9.7E-11
6.3E+01	5.2E-06	1.0E-03	3.4E-07	1.6E-01	5.5E-01	2.9E-08	1.9E+00	5.5E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-01	9.4E-11
6.8E+01	5.2E-06	1.0E-03	3.7E-07	1.6E-01	5.5E-01	3.2E-08	1.8E+00	5.5E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-01	9.1E-11
7.0E+01	5.2E-06	1.0E-03	3.8E-07	1.6E-01	5.5E-01	3.2E-08	1.7E+00	5.5E-07	1.0E-03	1.0E-09	1.6E-01	5.5E-01	8.7E-11
6.8E+01	5.2E-06	1.0E-03	3.6E-07	1.6E-01	5.5E-01	3.1E-08	1.7E+00	5.5E-07	1.0E-03	9.7E-10	1.6E-01	5.5E-01	8.4E-11
6.1E+01	5.2E-06	1.0E-03	3.3E-07	1.6E-01	5.5E-01	2.8E-08	1.6E+00	5.5E-07	1.0E-03	9.3E-10	1.6E-01	5.5E-01	8.0E-11
5.1E+01	5.2E-06	1.0E-03	2.8E-07	1.6E-01	5.5E-01	2.4E-08	1.5E+00	5.5E-07	1.0E-03	9.0E-10	1.6E-01	5.5E-01	7.7E-11
4.2E+01	5.2E-06	1.0E-03	2.3E-07	1.6E-01	5.5E-01	2.0E-08	1.5E+00	5.5E-07	1.0E-03	8.6E-10	1.6E-01	5.5E-01	7.4E-11
3.5E+01	5.2E-06	1.0E-03	1.9E-07	1.6E-01	5.5E-01	1.6E-08	1.4E+00	5.5E-07	1.0E-03	8.2E-10	1.6E-01	5.5E-01	7.1E-11
2.9E+01	5.2E-06	1.0E-03	1.5E-07	1.6E-01	5.5E-01	1.3E-08	1.3E+00	5.5E-07	1.0E-03	7.8E-10	1.6E-01	5.5E-01	6.7E-11
2.4E+01	5.2E-06	1.0E-03	1.3E-07	1.6E-01	5.5E-01	1.1E-08	1.3E+00	5.5E-07	1.0E-03	7.5E-10	1.6E-01	5.5E-01	6.4E-11
2.0E+01	5.2E-06	1.0E-03	1.1E-07	1.6E-01	5.5E-01	9.3E-09	1.2E+00	5.5E-07	1.0E-03	7.1E-10	1.6E-01	5.5E-01	6.1E-11
1.7E+01	5.2E-06	1.0E-03	9.2E-08	1.6E-01	5.5E-01	7.9E-09	1.2E+00	5.5E-07	1.0E-03	6.8E-10	1.6E-01	5.5E-01	5.8E-11
1.5E+01	5.2E-06	1.0E-03	7.9E-08	1.6E-01	5.5E-01	6.8E-09	1.1E+00	5.5E-07	1.0E-03	6.4E-10	1.6E-01	5.5E-01	5.5E-11
1.3E+01	5.2E-06	1.0E-03	6.8E-08	1.6E-01	5.5E-01	5.8E-09	1.1E+00	5.5E-07	1.0E-03	6.1E-10	1.6E-01	5.5E-01	5.3E-11
1.1E+01	5.2E-06	1.0E-03	5.9E-08	1.6E-01	5.5E-01	5.1E-09	1.0E+00	5.5E-07	1.0E-03	5.8E-10	1.6E-01	5.5E-01	5.0E-11
9.6E+00	5.2E-06	1.0E-03	5.2E-08	1.6E-01	5.5E-01	4.4E-09	9.5E-01	5.5E-07	1.0E-03	5.5E-10	1.6E-01	5.5E-01	4.8E-11
8.5E+00	5.2E-06	1.0E-03	4.6E-08	1.6E-01	5.5E-01	3.9E-09	9.1E-01	5.5E-07	1.0E-03	5.3E-10	1.6E-01	5.5E-01	4.5E-11
7.5E+00	5.2E-06	1.0E-03	4.1E-08	1.6E-01	5.5E-01	3.5E-09	8.7E-01	5.5E-07	1.0E-03	5.0E-10	1.6E-01	5.5E-01	4.3E-11
6.7E+00	5.2E-06	1.0E-03	3.6E-08	1.6E-01	5.5E-01	3.1E-09	8.3E-01	5.5E-07	1.0E-03	4.8E-10	1.6E-01	5.5E-01	4.1E-11
6.0E+00	5.2E-06	1.0E-03	3.2E-08	1.6E-01	5.5E-01	2.8E-09	7.9E-01	5.5E-07	1.0E-03	4.6E-10	1.6E-01	5.5E-01	3.9E-11
1.6E+01	5.2E-06	1.0E-03	8.7E-08	1.6E-01	5.5E-01	7.5E-09	2.0E+00	5.5E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-01	1.0E-10
2.2E+01	5.2E-06	1.0E-03	1.2E-07	1.6E-01	5.5E-01	1.0E-08	2.0E+00	5.5E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-01	1.0E-10
3.0E+01	5.2E-06	1.0E-03	1.6E-07	1.6E-01	5.5E-01	1.4E-08	2.0E+00	5.5E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-01	9.8E-11
4.3E+01	5.2E-06	1.0E-03	2.3E-07	1.6E-01	5.5E-01	2.0E-08	1.9E+00	5.5E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-01	9.6E-11
1.5E+01	5.2E-06	1.0E-03	8.2E-08	1.6E-01	5.5E-01	7.1E-09	1.9E+00	5.5E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-01	9.3E-11
2.2E+01	5.2E-06	1.0E-03	1.2E-07	1.6E-01	5.5E-01	1.0E-08	1.8E+00	5.5E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-01	9.0E-11
3.2E+01	5.2E-06	1.0E-03	1.7E-07	1.6E-01	5.5E-01	1.5E-08	1.8E+00	5.5E-07	1.0E-03	1.0E-09	1.6E-01	5.5E-01	8.8E-11
4.6E+01	5.2E-06	1.0E-03	2.5E-07	1.6E-01	5.5E-01	2.2E-08	1.7E+00	5.5E-07	1.0E-03	9.9E-10	1.6E-01	5.5E-01	8.5E-11
4.7E+01	5.2E-06	1.0E-03	2.6E-07	1.6E-01	5.5E-01	2.2E-08	1.6E+00	5.5E-07	1.0E-03	9.5E-10	1.6E-01	5.5E-01	8.2E-11
3.5E+01	5.2E-06	1.0E-03	1.9E-07	1.6E-01	5.5E-01	1.6E-08	1.6E+00	5.5E-07	1.0E-03	9.2E-10	1.6E-01	5.5E-01	7.9E-11
2.6E+01	5.2E-06	1.0E-03	1.4E-07	1.6E-01	5.5E-01	1.2E-08	1.5E+00	5.5E-07	1.0E-03	8.8E-10	1.6E-01	5.5E-01	7.6E-11
6.8E+01	5.2E-06	1.0E-03	3.7E-07	1.6E-01	5.5E-01	3.2E-08	1.5E+00	5.5E-07	1.0E-03	8.5E-10	1.6E-01	5.5E-01	7.3E-11
5.2E+01	5.2E-06	1.0E-03	2.8E-07	1.6E-01	5.5E-01	2.4E-08	1.4E+00	5.5E-07	1.0E-03	8.1E-10	1.6E-01	5.5E-01	7.0E-11
4.0E+01	5.2E-06	1.0E-03	2.2E-07	1.6E-01	5.5E-01	1.9E-08	1.3E+00	5.5E-07	1.0E-03	7.8E-10	1.6E-01	5.5E-01	6.7E-11
3.2E+01	5.2E-06	1.0E-03	1.7E-07	1.6E-01	5.5E-01	1.5E-08	1.3E+00	5.5E-07	1.0E-03	7.5E-10	1.6E-01	5.5E-01	6.4E-11
2.6E+01	5.2E-06	1.0E-03	1.4E-07	1.6E-01	5.5E-01	1.2E-08	1.2E+00	5.5E-07	1.0E-03	7.1E-10	1.6E-01	5.5E-01	6.1E-11
2.1E+01	5.2E-06	1.0E-03	1.1E-07	1.6E-01	5.5E-01	9.8E-09	1.2E+00	5.5E-07	1.0E-03	6.8E-10	1.6E-01	5.5E-01	5.9E-11

1.8E+01	5.2E-06	1.0E-03	9.5E-08	1.6E-01	5.5E-01	8.2E-09	1.1E+00	5.5E-07	1.0E-03	6.5E-10	1.6E-01	5.5E-01	5.6E-11
1.5E+01	5.2E-06	1.0E-03	8.0E-08	1.6E-01	5.5E-01	6.9E-09	1.1E+00	5.5E-07	1.0E-03	6.2E-10	1.6E-01	5.5E-01	5.3E-11
1.3E+01	5.2E-06	1.0E-03	6.9E-08	1.6E-01	5.5E-01	5.9E-09	1.0E+00	5.5E-07	1.0E-03	5.9E-10	1.6E-01	5.5E-01	5.1E-11
1.1E+01	5.2E-06	1.0E-03	5.9E-08	1.6E-01	5.5E-01	5.1E-09	9.7E-01	5.5E-07	1.0E-03	5.6E-10	1.6E-01	5.5E-01	4.8E-11
9.6E+00	5.2E-06	1.0E-03	5.1E-08	1.6E-01	5.5E-01	4.4E-09	9.2E-01	5.5E-07	1.0E-03	5.4E-10	1.6E-01	5.5E-01	4.6E-11
8.4E+00	5.2E-06	1.0E-03	4.5E-08	1.6E-01	5.5E-01	3.9E-09	8.8E-01	5.5E-07	1.0E-03	5.1E-10	1.6E-01	5.5E-01	4.4E-11
7.4E+00	5.2E-06	1.0E-03	4.0E-08	1.6E-01	5.5E-01	3.5E-09	8.4E-01	5.5E-07	1.0E-03	4.9E-10	1.6E-01	5.5E-01	4.2E-11
6.6E+00	5.2E-06	1.0E-03	3.6E-08	1.6E-01	5.5E-01	3.1E-09	8.0E-01	5.5E-07	1.0E-03	4.7E-10	1.6E-01	5.5E-01	4.0E-11
5.9E+00	5.2E-06	1.0E-03	3.2E-08	1.6E-01	5.5E-01	2.8E-09	7.7E-01	5.5E-07	1.0E-03	4.4E-10	1.6E-01	5.5E-01	3.8E-11
1.8E+01	5.2E-06	1.0E-03	9.7E-08	1.6E-01	5.5E-01	8.3E-09	1.9E+00	5.5E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-01	9.5E-11
2.5E+01	5.2E-06	1.0E-03	1.3E-07	1.6E-01	5.5E-01	1.2E-08	1.9E+00	5.5E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-01	9.3E-11
3.7E+01	5.2E-06	1.0E-03	2.0E-07	1.6E-01	5.5E-01	1.7E-08	1.8E+00	5.5E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-01	9.1E-11
5.7E+01	5.2E-06	1.0E-03	3.1E-07	1.6E-01	5.5E-01	2.6E-08	1.8E+00	5.5E-07	1.0E-03	1.0E-09	1.6E-01	5.5E-01	8.9E-11
1.8E+01	5.2E-06	1.0E-03	9.7E-08	1.6E-01	5.5E-01	8.3E-09	1.7E+00	5.5E-07	1.0E-03	1.0E-09	1.6E-01	5.5E-01	8.7E-11
2.7E+01	5.2E-06	1.0E-03	1.5E-07	1.6E-01	5.5E-01	1.3E-08	1.7E+00	5.5E-07	1.0E-03	9.9E-10	1.6E-01	5.5E-01	8.5E-11
4.4E+01	5.2E-06	1.0E-03	2.3E-07	1.6E-01	5.5E-01	2.0E-08	1.7E+00	5.5E-07	1.0E-03	9.6E-10	1.6E-01	5.5E-01	8.2E-11
0.0E+00	5.2E-06	1.0E-03	0.0E+00	1.6E-01	5.5E-01	0.0E+00	1.6E+00	5.5E-07	1.0E-03	9.3E-10	1.6E-01	5.5E-01	8.0E-11
0.0E+00	5.2E-06	1.0E-03	0.0E+00	1.6E-01	5.5E-01	0.0E+00	1.6E+00	5.5E-07	1.0E-03	9.0E-10	1.6E-01	5.5E-01	7.7E-11
4.3E+01	5.2E-06	1.0E-03	2.3E-07	1.6E-01	5.5E-01	2.0E-08	1.5E+00	5.5E-07	1.0E-03	8.7E-10	1.6E-01	5.5E-01	7.5E-11
3.0E+01	5.2E-06	1.0E-03	1.6E-07	1.6E-01	5.5E-01	1.4E-08	1.4E+00	5.5E-07	1.0E-03	8.4E-10	1.6E-01	5.5E-01	7.2E-11
2.2E+01	5.2E-06	1.0E-03	1.2E-07	1.6E-01	5.5E-01	1.0E-08	1.4E+00	5.5E-07	1.0E-03	8.0E-10	1.6E-01	5.5E-01	6.9E-11
6.1E+01	5.2E-06	1.0E-03	3.3E-07	1.6E-01	5.5E-01	2.9E-08	1.3E+00	5.5E-07	1.0E-03	7.7E-10	1.6E-01	5.5E-01	6.7E-11
4.4E+01	5.2E-06	1.0E-03	2.4E-07	1.6E-01	5.5E-01	2.1E-08	1.3E+00	5.5E-07	1.0E-03	7.4E-10	1.6E-01	5.5E-01	6.4E-11
3.4E+01	5.2E-06	1.0E-03	1.8E-07	1.6E-01	5.5E-01	1.6E-08	1.2E+00	5.5E-07	1.0E-03	7.1E-10	1.6E-01	5.5E-01	6.1E-11
2.7E+01	5.2E-06	1.0E-03	1.4E-07	1.6E-01	5.5E-01	1.2E-08	1.2E+00	5.5E-07	1.0E-03	6.8E-10	1.6E-01	5.5E-01	5.9E-11
2.2E+01	5.2E-06	1.0E-03	1.2E-07	1.6E-01	5.5E-01	1.0E-08	1.1E+00	5.5E-07	1.0E-03	6.5E-10	1.6E-01	5.5E-01	5.6E-11
1.8E+01	5.2E-06	1.0E-03	9.6E-08	1.6E-01	5.5E-01	8.3E-09	1.1E+00	5.5E-07	1.0E-03	6.2E-10	1.6E-01	5.5E-01	5.4E-11
1.5E+01	5.2E-06	1.0E-03	8.0E-08	1.6E-01	5.5E-01	6.9E-09	1.0E+00	5.5E-07	1.0E-03	6.0E-10	1.6E-01	5.5E-01	5.1E-11
1.3E+01	5.2E-06	1.0E-03	6.8E-08	1.6E-01	5.5E-01	5.9E-09	9.8E-01	5.5E-07	1.0E-03	5.7E-10	1.6E-01	5.5E-01	4.9E-11
1.1E+01	5.2E-06	1.0E-03	5.8E-08	1.6E-01	5.5E-01	5.0E-09	9.4E-01	5.5E-07	1.0E-03	5.4E-10	1.6E-01	5.5E-01	4.7E-11
9.4E+00	5.2E-06	1.0E-03	5.1E-08	1.6E-01	5.5E-01	4.4E-09	9.0E-01	5.5E-07	1.0E-03	5.2E-10	1.6E-01	5.5E-01	4.5E-11
8.2E+00	5.2E-06	1.0E-03	4.4E-08	1.6E-01	5.5E-01	3.8E-09	8.6E-01	5.5E-07	1.0E-03	5.0E-10	1.6E-01	5.5E-01	4.3E-11
7.3E+00	5.2E-06	1.0E-03	3.9E-08	1.6E-01	5.5E-01	3.4E-09	8.2E-01	5.5E-07	1.0E-03	4.7E-10	1.6E-01	5.5E-01	4.1E-11
6.5E+00	5.2E-06	1.0E-03	3.5E-08	1.6E-01	5.5E-01	3.0E-09	7.8E-01	5.5E-07	1.0E-03	4.5E-10	1.6E-01	5.5E-01	3.9E-11
5.8E+00	5.2E-06	1.0E-03	3.1E-08	1.6E-01	5.5E-01	2.7E-09	7.5E-01	5.5E-07	1.0E-03	4.3E-10	1.6E-01	5.5E-01	3.7E-11
1.9E+01	5.2E-06	1.0E-03	1.0E-07	1.6E-01	5.5E-01	8.8E-09	1.8E+00	5.5E-07	1.0E-03	1.0E-09	1.6E-01	5.5E-01	8.9E-11
2.7E+01	5.2E-06	1.0E-03	1.5E-07	1.6E-01	5.5E-01	1.3E-08	1.8E+00	5.5E-07	1.0E-03	1.0E-09	1.6E-01	5.5E-01	8.7E-11
4.1E+01	5.2E-06	1.0E-03	2.2E-07	1.6E-01	5.5E-01	1.9E-08	1.7E+00	5.5E-07	1.0E-03	9.9E-10	1.6E-01	5.5E-01	8.6E-11
1.3E+01	5.2E-06	1.0E-03	7.1E-08	1.6E-01	5.5E-01	6.1E-09	1.7E+00	5.5E-07	1.0E-03	9.7E-10	1.6E-01	5.5E-01	8.4E-11
2.0E+01	5.2E-06	1.0E-03	1.1E-07	1.6E-01	5.5E-01	9.1E-09	1.6E+00	5.5E-07	1.0E-03	9.5E-10	1.6E-01	5.5E-01	8.2E-11
3.1E+01	5.2E-06	1.0E-03	1.7E-07	1.6E-01	5.5E-01	1.4E-08	1.6E+00	5.5E-07	1.0E-03	9.3E-10	1.6E-01	5.5E-01	8.0E-11
0.0E+00	5.2E-06	1.0E-03	0.0E+00	1.6E-01	5.5E-01	0.0E+00	1.6E+00	5.5E-07	1.0E-03	9.0E-10	1.6E-01	5.5E-01	7.8E-11
0.0E+00	5.2E-06	1.0E-03	0.0E+00	1.6E-01	5.5E-01	0.0E+00	1.5E+00	5.5E-07	1.0E-03	8.8E-10	1.6E-01	5.5E-01	7.5E-11
0.0E+00	5.2E-06	1.0E-03	0.0E+00	1.6E-01	5.5E-01	0.0E+00	1.5E+00	5.5E-07	1.0E-03	8.5E-10	1.6E-01	5.5E-01	7.3E-11
5.0E+01	5.2E-06	1.0E-03	2.7E-07	1.6E-01	5.5E-01	2.3E-08	1.4E+00	5.5E-07	1.0E-03	8.2E-10	1.6E-01	5.5E-01	7.1E-11
3.2E+01	5.2E-06	1.0E-03	1.7E-07	1.6E-01	5.5E-01	1.5E-08	1.4E+00	5.5E-07	1.0E-03	7.9E-10	1.6E-01	5.5E-01	6.8E-11

2.3E+01	5.2E-06	1.0E-03	1.2E-07	1.6E-01	5.5E-01	1.1E-08	1.3E+00	5.5E-07	1.0E-03	7.6E-10	1.6E-01	5.5E-01	6.6E-11
6.8E+01	5.2E-06	1.0E-03	3.7E-07	1.6E-01	5.5E-01	3.2E-08	1.3E+00	5.5E-07	1.0E-03	7.4E-10	1.6E-01	5.5E-01	6.3E-11
4.6E+01	5.2E-06	1.0E-03	2.5E-07	1.6E-01	5.5E-01	2.2E-08	1.2E+00	5.5E-07	1.0E-03	7.1E-10	1.6E-01	5.5E-01	6.1E-11
3.4E+01	5.2E-06	1.0E-03	1.9E-07	1.6E-01	5.5E-01	1.6E-08	1.2E+00	5.5E-07	1.0E-03	6.8E-10	1.6E-01	5.5E-01	5.9E-11
2.7E+01	5.2E-06	1.0E-03	1.4E-07	1.6E-01	5.5E-01	1.2E-08	1.1E+00	5.5E-07	1.0E-03	6.5E-10	1.6E-01	5.5E-01	5.6E-11
2.1E+01	5.2E-06	1.0E-03	1.2E-07	1.6E-01	5.5E-01	1.0E-08	1.1E+00	5.5E-07	1.0E-03	6.3E-10	1.6E-01	5.5E-01	5.4E-11
1.8E+01	5.2E-06	1.0E-03	9.5E-08	1.6E-01	5.5E-01	8.1E-09	1.0E+00	5.5E-07	1.0E-03	6.0E-10	1.6E-01	5.5E-01	5.2E-11
1.5E+01	5.2E-06	1.0E-03	7.9E-08	1.6E-01	5.5E-01	6.8E-09	9.9E-01	5.5E-07	1.0E-03	5.7E-10	1.6E-01	5.5E-01	4.9E-11
1.2E+01	5.2E-06	1.0E-03	6.7E-08	1.6E-01	5.5E-01	5.7E-09	9.5E-01	5.5E-07	1.0E-03	5.5E-10	1.6E-01	5.5E-01	4.7E-11
1.1E+01	5.2E-06	1.0E-03	5.7E-08	1.6E-01	5.5E-01	4.9E-09	9.1E-01	5.5E-07	1.0E-03	5.3E-10	1.6E-01	5.5E-01	4.5E-11
9.2E+00	5.2E-06	1.0E-03	4.9E-08	1.6E-01	5.5E-01	4.2E-09	8.7E-01	5.5E-07	1.0E-03	5.0E-10	1.6E-01	5.5E-01	4.3E-11
8.0E+00	5.2E-06	1.0E-03	4.3E-08	1.6E-01	5.5E-01	3.7E-09	8.3E-01	5.5E-07	1.0E-03	4.8E-10	1.6E-01	5.5E-01	4.1E-11
7.0E+00	5.2E-06	1.0E-03	3.8E-08	1.6E-01	5.5E-01	3.3E-09	7.9E-01	5.5E-07	1.0E-03	4.6E-10	1.6E-01	5.5E-01	4.0E-11
6.3E+00	5.2E-06	1.0E-03	3.4E-08	1.6E-01	5.5E-01	2.9E-09	7.6E-01	5.5E-07	1.0E-03	4.4E-10	1.6E-01	5.5E-01	3.8E-11
5.6E+00	5.2E-06	1.0E-03	3.0E-08	1.6E-01	5.5E-01	2.6E-09	7.3E-01	5.5E-07	1.0E-03	4.2E-10	1.6E-01	5.5E-01	3.6E-11
1.9E+01	5.2E-06	1.0E-03	1.0E-07	1.6E-01	5.5E-01	8.8E-09	1.7E+00	5.5E-07	1.0E-03	9.7E-10	1.6E-01	5.5E-01	8.3E-11
2.7E+01	5.2E-06	1.0E-03	1.5E-07	1.6E-01	5.5E-01	1.3E-08	1.6E+00	5.5E-07	1.0E-03	9.5E-10	1.6E-01	5.5E-01	8.2E-11
4.2E+01	5.2E-06	1.0E-03	2.3E-07	1.6E-01	5.5E-01	1.9E-08	1.6E+00	5.5E-07	1.0E-03	9.3E-10	1.6E-01	5.5E-01	8.0E-11
1.3E+01	5.2E-06	1.0E-03	7.2E-08	1.6E-01	5.5E-01	6.2E-09	1.6E+00	5.5E-07	1.0E-03	9.1E-10	1.6E-01	5.5E-01	7.9E-11
2.0E+01	5.2E-06	1.0E-03	1.1E-07	1.6E-01	5.5E-01	9.2E-09	1.5E+00	5.5E-07	1.0E-03	8.9E-10	1.6E-01	5.5E-01	7.7E-11
2.1E+01	5.2E-06	1.0E-03	1.1E-07	1.6E-01	5.5E-01	9.5E-09	1.0E+00	5.5E-07	1.0E-03	6.0E-10	1.6E-01	5.5E-01	5.2E-11
1.7E+01	5.2E-06	1.0E-03	9.1E-08	1.6E-01	5.5E-01	7.8E-09	1.0E+00	5.5E-07	1.0E-03	5.8E-10	1.6E-01	5.5E-01	5.0E-11
1.4E+01	5.2E-06	1.0E-03	7.6E-08	1.6E-01	5.5E-01	6.5E-09	9.5E-01	5.5E-07	1.0E-03	5.5E-10	1.6E-01	5.5E-01	4.8E-11
1.2E+01	5.2E-06	1.0E-03	6.4E-08	1.6E-01	5.5E-01	5.5E-09	9.2E-01	5.5E-07	1.0E-03	5.3E-10	1.6E-01	5.5E-01	4.6E-11
1.0E+01	5.2E-06	1.0E-03	5.5E-08	1.6E-01	5.5E-01	4.7E-09	8.8E-01	5.5E-07	1.0E-03	5.1E-10	1.6E-01	5.5E-01	4.4E-11
8.8E+00	5.2E-06	1.0E-03	4.7E-08	1.6E-01	5.5E-01	4.1E-09	8.4E-01	5.5E-07	1.0E-03	4.9E-10	1.6E-01	5.5E-01	4.2E-11
7.7E+00	5.2E-06	1.0E-03	4.1E-08	1.6E-01	5.5E-01	3.6E-09	8.1E-01	5.5E-07	1.0E-03	4.7E-10	1.6E-01	5.5E-01	4.0E-11
6.8E+00	5.2E-06	1.0E-03	3.6E-08	1.6E-01	5.5E-01	3.1E-09	7.7E-01	5.5E-07	1.0E-03	4.5E-10	1.6E-01	5.5E-01	3.9E-11
6.0E+00	5.2E-06	1.0E-03	3.2E-08	1.6E-01	5.5E-01	2.8E-09	7.4E-01	5.5E-07	1.0E-03	4.3E-10	1.6E-01	5.5E-01	3.7E-11
5.4E+00	5.2E-06	1.0E-03	2.9E-08	1.6E-01	5.5E-01	2.5E-09	7.1E-01	5.5E-07	1.0E-03	4.1E-10	1.6E-01	5.5E-01	3.5E-11
1.8E+01	5.2E-06	1.0E-03	9.8E-08	1.6E-01	5.5E-01	8.4E-09	1.6E+00	5.5E-07	1.0E-03	9.1E-10	1.6E-01	5.5E-01	7.8E-11
2.6E+01	5.2E-06	1.0E-03	1.4E-07	1.6E-01	5.5E-01	1.2E-08	1.5E+00	5.5E-07	1.0E-03	9.0E-10	1.6E-01	5.5E-01	7.7E-11
3.8E+01	5.2E-06	1.0E-03	2.0E-07	1.6E-01	5.5E-01	1.8E-08	1.5E+00	5.5E-07	1.0E-03	8.8E-10	1.6E-01	5.5E-01	7.6E-11
1.2E+01	5.2E-06	1.0E-03	6.7E-08	1.6E-01	5.5E-01	5.8E-09	1.5E+00	5.5E-07	1.0E-03	8.6E-10	1.6E-01	5.5E-01	7.4E-11
1.8E+01	5.2E-06	1.0E-03	9.9E-08	1.6E-01	5.5E-01	8.5E-09	1.5E+00	5.5E-07	1.0E-03	8.4E-10	1.6E-01	5.5E-01	7.3E-11
1.9E+01	5.2E-06	1.0E-03	1.0E-07	1.6E-01	5.5E-01	8.9E-09	1.0E+00	5.5E-07	1.0E-03	5.8E-10	1.6E-01	5.5E-01	5.0E-11
1.6E+01	5.2E-06	1.0E-03	8.5E-08	1.6E-01	5.5E-01	7.3E-09	9.6E-01	5.5E-07	1.0E-03	5.6E-10	1.6E-01	5.5E-01	4.8E-11
1.3E+01	5.2E-06	1.0E-03	7.1E-08	1.6E-01	5.5E-01	6.1E-09	9.2E-01	5.5E-07	1.0E-03	5.3E-10	1.6E-01	5.5E-01	4.6E-11
1.1E+01	5.2E-06	1.0E-03	6.0E-08	1.6E-01	5.5E-01	5.2E-09	8.8E-01	5.5E-07	1.0E-03	5.1E-10	1.6E-01	5.5E-01	4.4E-11
9.6E+00	5.2E-06	1.0E-03	5.2E-08	1.6E-01	5.5E-01	4.4E-09	8.5E-01	5.5E-07	1.0E-03	4.9E-10	1.6E-01	5.5E-01	4.2E-11
8.3E+00	5.2E-06	1.0E-03	4.5E-08	1.6E-01	5.5E-01	3.9E-09	8.1E-01	5.5E-07	1.0E-03	4.7E-10	1.6E-01	5.5E-01	4.1E-11
7.3E+00	5.2E-06	1.0E-03	3.9E-08	1.6E-01	5.5E-01	3.4E-09	7.8E-01	5.5E-07	1.0E-03	4.5E-10	1.6E-01	5.5E-01	3.9E-11
6.4E+00	5.2E-06	1.0E-03	3.5E-08	1.6E-01	5.5E-01	3.0E-09	7.5E-01	5.5E-07	1.0E-03	4.3E-10	1.6E-01	5.5E-01	3.7E-11
5.7E+00	5.2E-06	1.0E-03	3.1E-08	1.6E-01	5.5E-01	2.7E-09	7.2E-01	5.5E-07	1.0E-03	4.2E-10	1.6E-01	5.5E-01	3.6E-11
5.1E+00	5.2E-06	1.0E-03	2.8E-08	1.6E-01	5.5E-01	2.4E-09	6.9E-01	5.5E-07	1.0E-03	4.0E-10	1.6E-01	5.5E-01	3.5E-11
1.6E+01	5.2E-06	1.0E-03	8.9E-08	1.6E-01	5.5E-01	7.7E-09	1.5E+00	5.5E-07	1.0E-03	8.6E-10	1.6E-01	5.5E-01	7.4E-11

2.2E+01	5.2E-06	1.0E-03	1.2E-07	1.6E-01	5.5E-01	1.0E-08	1.5E+00	5.5E-07	1.0E-03	8.4E-10	1.6E-01	5.5E-01	7.3E-11
3.1E+01	5.2E-06	1.0E-03	1.7E-07	1.6E-01	5.5E-01	1.4E-08	1.4E+00	5.5E-07	1.0E-03	8.3E-10	1.6E-01	5.5E-01	7.1E-11
4.5E+01	5.2E-06	1.0E-03	2.4E-07	1.6E-01	5.5E-01	2.1E-08	1.4E+00	5.5E-07	1.0E-03	8.1E-10	1.6E-01	5.5E-01	7.0E-11
1.5E+01	5.2E-06	1.0E-03	8.3E-08	1.6E-01	5.5E-01	7.1E-09	1.4E+00	5.5E-07	1.0E-03	8.0E-10	1.6E-01	5.5E-01	6.9E-11
1.7E+01	5.2E-06	1.0E-03	9.3E-08	1.6E-01	5.5E-01	8.0E-09	9.6E-01	5.5E-07	1.0E-03	5.6E-10	1.6E-01	5.5E-01	4.8E-11
1.4E+01	5.2E-06	1.0E-03	7.8E-08	1.6E-01	5.5E-01	6.7E-09	9.2E-01	5.5E-07	1.0E-03	5.3E-10	1.6E-01	5.5E-01	4.6E-11
1.2E+01	5.2E-06	1.0E-03	6.6E-08	1.6E-01	5.5E-01	5.6E-09	8.9E-01	5.5E-07	1.0E-03	5.1E-10	1.6E-01	5.5E-01	4.4E-11
1.0E+01	5.2E-06	1.0E-03	5.6E-08	1.6E-01	5.5E-01	4.8E-09	8.5E-01	5.5E-07	1.0E-03	5.0E-10	1.6E-01	5.5E-01	4.3E-11
9.0E+00	5.2E-06	1.0E-03	4.8E-08	1.6E-01	5.5E-01	4.2E-09	8.2E-01	5.5E-07	1.0E-03	4.8E-10	1.6E-01	5.5E-01	4.1E-11
7.8E+00	5.2E-06	1.0E-03	4.2E-08	1.6E-01	5.5E-01	3.6E-09	7.9E-01	5.5E-07	1.0E-03	4.6E-10	1.6E-01	5.5E-01	3.9E-11
6.9E+00	5.2E-06	1.0E-03	3.7E-08	1.6E-01	5.5E-01	3.2E-09	7.6E-01	5.5E-07	1.0E-03	4.4E-10	1.6E-01	5.5E-01	3.8E-11
6.1E+00	5.2E-06	1.0E-03	3.3E-08	1.6E-01	5.5E-01	2.8E-09	7.3E-01	5.5E-07	1.0E-03	4.2E-10	1.6E-01	5.5E-01	3.6E-11
5.4E+00	5.2E-06	1.0E-03	2.9E-08	1.6E-01	5.5E-01	2.5E-09	7.0E-01	5.5E-07	1.0E-03	4.1E-10	1.6E-01	5.5E-01	3.5E-11
4.9E+00	5.2E-06	1.0E-03	2.6E-08	1.6E-01	5.5E-01	2.3E-09	6.7E-01	5.5E-07	1.0E-03	3.9E-10	1.6E-01	5.5E-01	3.4E-11
1.5E+01	5.2E-06	1.0E-03	7.8E-08	1.6E-01	5.5E-01	6.7E-09	1.4E+00	5.5E-07	1.0E-03	8.1E-10	1.6E-01	5.5E-01	7.0E-11
1.9E+01	5.2E-06	1.0E-03	1.0E-07	1.6E-01	5.5E-01	8.7E-09	1.4E+00	5.5E-07	1.0E-03	8.0E-10	1.6E-01	5.5E-01	6.9E-11
2.5E+01	5.2E-06	1.0E-03	1.3E-07	1.6E-01	5.5E-01	1.1E-08	1.4E+00	5.5E-07	1.0E-03	7.8E-10	1.6E-01	5.5E-01	6.7E-11
3.3E+01	5.2E-06	1.0E-03	1.8E-07	1.6E-01	5.5E-01	1.5E-08	1.3E+00	5.5E-07	1.0E-03	7.7E-10	1.6E-01	5.5E-01	6.6E-11
4.4E+01	5.2E-06	1.0E-03	2.4E-07	1.6E-01	5.5E-01	2.0E-08	1.3E+00	5.5E-07	1.0E-03	7.5E-10	1.6E-01	5.5E-01	6.5E-11
1.5E+01	5.2E-06	1.0E-03	8.3E-08	1.6E-01	5.5E-01	7.1E-09	9.2E-01	5.5E-07	1.0E-03	5.3E-10	1.6E-01	5.5E-01	4.6E-11
1.3E+01	5.2E-06	1.0E-03	7.0E-08	1.6E-01	5.5E-01	6.0E-09	8.9E-01	5.5E-07	1.0E-03	5.2E-10	1.6E-01	5.5E-01	4.4E-11
1.1E+01	5.2E-06	1.0E-03	6.0E-08	1.6E-01	5.5E-01	5.1E-09	8.6E-01	5.5E-07	1.0E-03	5.0E-10	1.6E-01	5.5E-01	4.3E-11
9.6E+00	5.2E-06	1.0E-03	5.1E-08	1.6E-01	5.5E-01	4.4E-09	8.3E-01	5.5E-07	1.0E-03	4.8E-10	1.6E-01	5.5E-01	4.1E-11
8.3E+00	5.2E-06	1.0E-03	4.5E-08	1.6E-01	5.5E-01	3.9E-09	8.0E-01	5.5E-07	1.0E-03	4.6E-10	1.6E-01	5.5E-01	4.0E-11
7.3E+00	5.2E-06	1.0E-03	3.9E-08	1.6E-01	5.5E-01	3.4E-09	7.7E-01	5.5E-07	1.0E-03	4.4E-10	1.6E-01	5.5E-01	3.8E-11
6.4E+00	5.2E-06	1.0E-03	3.5E-08	1.6E-01	5.5E-01	3.0E-09	7.4E-01	5.5E-07	1.0E-03	4.3E-10	1.6E-01	5.5E-01	3.7E-11
5.7E+00	5.2E-06	1.0E-03	3.1E-08	1.6E-01	5.5E-01	2.6E-09	7.1E-01	5.5E-07	1.0E-03	4.1E-10	1.6E-01	5.5E-01	3.5E-11
5.1E+00	5.2E-06	1.0E-03	2.7E-08	1.6E-01	5.5E-01	2.4E-09	6.8E-01	5.5E-07	1.0E-03	4.0E-10	1.6E-01	5.5E-01	3.4E-11
4.6E+00	5.2E-06	1.0E-03	2.5E-08	1.6E-01	5.5E-01	2.1E-09	6.6E-01	5.5E-07	1.0E-03	3.8E-10	1.6E-01	5.5E-01	3.3E-11
1.3E+01	5.2E-06	1.0E-03	6.7E-08	1.6E-01	5.5E-01	5.8E-09	1.3E+00	5.5E-07	1.0E-03	7.6E-10	1.6E-01	5.5E-01	6.6E-11
1.6E+01	5.2E-06	1.0E-03	8.4E-08	1.6E-01	5.5E-01	7.2E-09	1.3E+00	5.5E-07	1.0E-03	7.5E-10	1.6E-01	5.5E-01	6.5E-11
2.0E+01	5.2E-06	1.0E-03	1.1E-07	1.6E-01	5.5E-01	9.1E-09	1.3E+00	5.5E-07	1.0E-03	7.4E-10	1.6E-01	5.5E-01	6.4E-11
2.4E+01	5.2E-06	1.0E-03	1.3E-07	1.6E-01	5.5E-01	1.1E-08	1.3E+00	5.5E-07	1.0E-03	7.3E-10	1.6E-01	5.5E-01	6.3E-11
3.0E+01	5.2E-06	1.0E-03	1.6E-07	1.6E-01	5.5E-01	1.4E-08	1.2E+00	5.5E-07	1.0E-03	7.2E-10	1.6E-01	5.5E-01	6.2E-11
1.3E+01	5.2E-06	1.0E-03	7.3E-08	1.6E-01	5.5E-01	6.2E-09	8.9E-01	5.5E-07	1.0E-03	5.1E-10	1.6E-01	5.5E-01	4.4E-11
1.2E+01	5.2E-06	1.0E-03	6.3E-08	1.6E-01	5.5E-01	5.4E-09	8.6E-01	5.5E-07	1.0E-03	5.0E-10	1.6E-01	5.5E-01	4.3E-11
1.0E+01	5.2E-06	1.0E-03	5.4E-08	1.6E-01	5.5E-01	4.7E-09	8.3E-01	5.5E-07	1.0E-03	4.8E-10	1.6E-01	5.5E-01	4.1E-11
8.7E+00	5.2E-06	1.0E-03	4.7E-08	1.6E-01	5.5E-01	4.1E-09	8.0E-01	5.5E-07	1.0E-03	4.6E-10	1.6E-01	5.5E-01	4.0E-11
7.7E+00	5.2E-06	1.0E-03	4.1E-08	1.6E-01	5.5E-01	3.6E-09	7.7E-01	5.5E-07	1.0E-03	4.5E-10	1.6E-01	5.5E-01	3.8E-11
6.8E+00	5.2E-06	1.0E-03	3.6E-08	1.6E-01	5.5E-01	3.1E-09	7.4E-01	5.5E-07	1.0E-03	4.3E-10	1.6E-01	5.5E-01	3.7E-11
6.0E+00	5.2E-06	1.0E-03	3.2E-08	1.6E-01	5.5E-01	2.8E-09	7.2E-01	5.5E-07	1.0E-03	4.1E-10	1.6E-01	5.5E-01	3.6E-11
5.3E+00	5.2E-06	1.0E-03	2.9E-08	1.6E-01	5.5E-01	2.5E-09	6.9E-01	5.5E-07	1.0E-03	4.0E-10	1.6E-01	5.5E-01	3.4E-11
4.8E+00	5.2E-06	1.0E-03	2.6E-08	1.6E-01	5.5E-01	2.2E-09	6.6E-01	5.5E-07	1.0E-03	3.8E-10	1.6E-01	5.5E-01	3.3E-11
4.3E+00	5.2E-06	1.0E-03	2.3E-08	1.6E-01	5.5E-01	2.0E-09	6.4E-01	5.5E-07	1.0E-03	3.7E-10	1.6E-01	5.5E-01	3.2E-11
1.1E+01	5.2E-06	1.0E-03	5.8E-08	1.6E-01	5.5E-01	5.0E-09	1.2E+00	5.5E-07	1.0E-03	7.2E-10	1.6E-01	5.5E-01	6.2E-11
1.3E+01	5.2E-06	1.0E-03	6.9E-08	1.6E-01	5.5E-01	6.0E-09	1.2E+00	5.5E-07	1.0E-03	7.1E-10	1.6E-01	5.5E-01	6.1E-11

1.6E+01	5.2E-06	1.0E-03	8.5E-08	1.6E-01	5.5E-01	7.3E-09	1.2E+00	5.5E-07	1.0E-03	7.0E-10	1.6E-01	5.5E-01	6.1E-11
1.9E+01	5.2E-06	1.0E-03	1.0E-07	1.6E-01	5.5E-01	8.7E-09	1.2E+00	5.5E-07	1.0E-03	6.9E-10	1.6E-01	5.5E-01	6.0E-11
2.2E+01	5.2E-06	1.0E-03	1.2E-07	1.6E-01	5.5E-01	1.0E-08	1.2E+00	5.5E-07	1.0E-03	6.8E-10	1.6E-01	5.5E-01	5.8E-11
1.2E+01	5.2E-06	1.0E-03	6.3E-08	1.6E-01	5.5E-01	5.5E-09	8.5E-01	5.5E-07	1.0E-03	4.9E-10	1.6E-01	5.5E-01	4.3E-11
1.0E+01	5.2E-06	1.0E-03	5.6E-08	1.6E-01	5.5E-01	4.8E-09	8.3E-01	5.5E-07	1.0E-03	4.8E-10	1.6E-01	5.5E-01	4.1E-11
9.0E+00	5.2E-06	1.0E-03	4.9E-08	1.6E-01	5.5E-01	4.2E-09	8.0E-01	5.5E-07	1.0E-03	4.6E-10	1.6E-01	5.5E-01	4.0E-11
7.9E+00	5.2E-06	1.0E-03	4.3E-08	1.6E-01	5.5E-01	3.7E-09	7.7E-01	5.5E-07	1.0E-03	4.5E-10	1.6E-01	5.5E-01	3.9E-11
7.0E+00	5.2E-06	1.0E-03	3.8E-08	1.6E-01	5.5E-01	3.3E-09	7.5E-01	5.5E-07	1.0E-03	4.3E-10	1.6E-01	5.5E-01	3.7E-11
6.2E+00	5.2E-06	1.0E-03	3.4E-08	1.6E-01	5.5E-01	2.9E-09	7.2E-01	5.5E-07	1.0E-03	4.2E-10	1.6E-01	5.5E-01	3.6E-11
5.6E+00	5.2E-06	1.0E-03	3.0E-08	1.6E-01	5.5E-01	2.6E-09	7.0E-01	5.5E-07	1.0E-03	4.0E-10	1.6E-01	5.5E-01	3.5E-11
5.0E+00	5.2E-06	1.0E-03	2.7E-08	1.6E-01	5.5E-01	2.3E-09	6.7E-01	5.5E-07	1.0E-03	3.9E-10	1.6E-01	5.5E-01	3.3E-11
4.5E+00	5.2E-06	1.0E-03	2.4E-08	1.6E-01	5.5E-01	2.1E-09	6.5E-01	5.5E-07	1.0E-03	3.7E-10	1.6E-01	5.5E-01	3.2E-11
4.1E+00	5.2E-06	1.0E-03	2.2E-08	1.6E-01	5.5E-01	1.9E-09	6.2E-01	5.5E-07	1.0E-03	3.6E-10	1.6E-01	5.5E-01	3.1E-11
9.1E+00	5.2E-06	1.0E-03	4.9E-08	1.6E-01	5.5E-01	4.2E-09	1.2E+00	5.5E-07	1.0E-03	6.9E-10	1.6E-01	5.5E-01	5.9E-11
1.1E+01	5.2E-06	1.0E-03	5.8E-08	1.6E-01	5.5E-01	5.0E-09	1.2E+00	5.5E-07	1.0E-03	6.8E-10	1.6E-01	5.5E-01	5.8E-11
1.3E+01	5.2E-06	1.0E-03	6.8E-08	1.6E-01	5.5E-01	5.8E-09	1.2E+00	5.5E-07	1.0E-03	6.7E-10	1.6E-01	5.5E-01	5.7E-11
1.5E+01	5.2E-06	1.0E-03	8.0E-08	1.6E-01	5.5E-01	6.9E-09	1.1E+00	5.5E-07	1.0E-03	6.6E-10	1.6E-01	5.5E-01	5.7E-11
1.7E+01	5.2E-06	1.0E-03	9.3E-08	1.6E-01	5.5E-01	8.0E-09	1.1E+00	5.5E-07	1.0E-03	6.5E-10	1.6E-01	5.5E-01	5.6E-11
1.0E+01	5.2E-06	1.0E-03	5.6E-08	1.6E-01	5.5E-01	4.8E-09	8.2E-01	5.5E-07	1.0E-03	4.8E-10	1.6E-01	5.5E-01	4.1E-11
9.1E+00	5.2E-06	1.0E-03	4.9E-08	1.6E-01	5.5E-01	4.2E-09	8.0E-01	5.5E-07	1.0E-03	4.6E-10	1.6E-01	5.5E-01	4.0E-11
8.1E+00	5.2E-06	1.0E-03	4.4E-08	1.6E-01	5.5E-01	3.8E-09	7.7E-01	5.5E-07	1.0E-03	4.5E-10	1.6E-01	5.5E-01	3.9E-11
7.2E+00	5.2E-06	1.0E-03	3.9E-08	1.6E-01	5.5E-01	3.4E-09	7.5E-01	5.5E-07	1.0E-03	4.3E-10	1.6E-01	5.5E-01	3.7E-11
6.4E+00	5.2E-06	1.0E-03	3.5E-08	1.6E-01	5.5E-01	3.0E-09	7.2E-01	5.5E-07	1.0E-03	4.2E-10	1.6E-01	5.5E-01	3.6E-11
5.8E+00	5.2E-06	1.0E-03	3.1E-08	1.6E-01	5.5E-01	2.7E-09	7.0E-01	5.5E-07	1.0E-03	4.0E-10	1.6E-01	5.5E-01	3.5E-11
5.2E+00	5.2E-06	1.0E-03	2.8E-08	1.6E-01	5.5E-01	2.4E-09	6.8E-01	5.5E-07	1.0E-03	3.9E-10	1.6E-01	5.5E-01	3.4E-11
4.7E+00	5.2E-06	1.0E-03	2.5E-08	1.6E-01	5.5E-01	2.2E-09	6.5E-01	5.5E-07	1.0E-03	3.8E-10	1.6E-01	5.5E-01	3.3E-11
4.2E+00	5.2E-06	1.0E-03	2.3E-08	1.6E-01	5.5E-01	2.0E-09	6.3E-01	5.5E-07	1.0E-03	3.7E-10	1.6E-01	5.5E-01	3.1E-11
3.9E+00	5.2E-06	1.0E-03	2.1E-08	1.6E-01	5.5E-01	1.8E-09	6.1E-01	5.5E-07	1.0E-03	3.5E-10	1.6E-01	5.5E-01	3.0E-11
7.8E+00	5.2E-06	1.0E-03	4.2E-08	1.6E-01	5.5E-01	3.6E-09	1.1E+00	5.5E-07	1.0E-03	6.5E-10	1.6E-01	5.5E-01	5.6E-11
9.0E+00	5.2E-06	1.0E-03	4.9E-08	1.6E-01	5.5E-01	4.2E-09	1.1E+00	5.5E-07	1.0E-03	6.4E-10	1.6E-01	5.5E-01	5.5E-11
1.0E+01	5.2E-06	1.0E-03	5.6E-08	1.6E-01	5.5E-01	4.8E-09	1.1E+00	5.5E-07	1.0E-03	6.3E-10	1.6E-01	5.5E-01	5.5E-11
1.2E+01	5.2E-06	1.0E-03	6.5E-08	1.6E-01	5.5E-01	5.6E-09	1.1E+00	5.5E-07	1.0E-03	6.3E-10	1.6E-01	5.5E-01	5.4E-11
1.4E+01	5.2E-06	1.0E-03	7.4E-08	1.6E-01	5.5E-01	6.4E-09	1.1E+00	5.5E-07	1.0E-03	6.1E-10	1.6E-01	5.5E-01	5.3E-11
9.1E+00	5.2E-06	1.0E-03	4.9E-08	1.6E-01	5.5E-01	4.2E-09	7.9E-01	5.5E-07	1.0E-03	4.6E-10	1.6E-01	5.5E-01	4.0E-11
8.1E+00	5.2E-06	1.0E-03	4.4E-08	1.6E-01	5.5E-01	3.8E-09	7.7E-01	5.5E-07	1.0E-03	4.5E-10	1.6E-01	5.5E-01	3.8E-11
7.3E+00	5.2E-06	1.0E-03	3.9E-08	1.6E-01	5.5E-01	3.4E-09	7.5E-01	5.5E-07	1.0E-03	4.3E-10	1.6E-01	5.5E-01	3.7E-11
6.6E+00	5.2E-06	1.0E-03	3.5E-08	1.6E-01	5.5E-01	3.0E-09	7.2E-01	5.5E-07	1.0E-03	4.2E-10	1.6E-01	5.5E-01	3.6E-11
5.9E+00	5.2E-06	1.0E-03	3.2E-08	1.6E-01	5.5E-01	2.7E-09	7.0E-01	5.5E-07	1.0E-03	4.1E-10	1.6E-01	5.5E-01	3.5E-11
5.3E+00	5.2E-06	1.0E-03	2.9E-08	1.6E-01	5.5E-01	2.5E-09	6.8E-01	5.5E-07	1.0E-03	3.9E-10	1.6E-01	5.5E-01	3.4E-11
4.8E+00	5.2E-06	1.0E-03	2.6E-08	1.6E-01	5.5E-01	2.2E-09	6.6E-01	5.5E-07	1.0E-03	3.8E-10	1.6E-01	5.5E-01	3.3E-11
4.4E+00	5.2E-06	1.0E-03	2.4E-08	1.6E-01	5.5E-01	2.0E-09	6.3E-01	5.5E-07	1.0E-03	3.7E-10	1.6E-01	5.5E-01	3.2E-11
4.0E+00	5.2E-06	1.0E-03	2.2E-08	1.6E-01	5.5E-01	1.9E-09	6.1E-01	5.5E-07	1.0E-03	3.6E-10	1.6E-01	5.5E-01	3.1E-11
3.6E+00	5.2E-06	1.0E-03	2.0E-08	1.6E-01	5.5E-01	1.7E-09	5.9E-01	5.5E-07	1.0E-03	3.4E-10	1.6E-01	5.5E-01	3.0E-11
6.7E+00	5.2E-06	1.0E-03	3.6E-08	1.6E-01	5.5E-01	3.1E-09	1.1E+00	5.5E-07	1.0E-03	6.2E-10	1.6E-01	5.5E-01	5.3E-11
7.7E+00	5.2E-06	1.0E-03	4.1E-08	1.6E-01	5.5E-01	3.6E-09	1.1E+00	5.5E-07	1.0E-03	6.1E-10	1.6E-01	5.5E-01	5.3E-11
8.8E+00	5.2E-06	1.0E-03	4.7E-08	1.6E-01	5.5E-01	4.1E-09	1.0E+00	5.5E-07	1.0E-03	6.0E-10	1.6E-01	5.5E-01	5.2E-11

1.0E+01	5.2E-06	1.0E-03	5.4E-08	1.6E-01	5.5E-01	4.6E-09	1.0E+00	5.5E-07	1.0E-03	6.0E-10	1.6E-01	5.5E-01	5.1E-11
1.1E+01	5.2E-06	1.0E-03	6.0E-08	1.6E-01	5.5E-01	5.2E-09	1.0E+00	5.5E-07	1.0E-03	5.9E-10	1.6E-01	5.5E-01	5.0E-11
8.0E+00	5.2E-06	1.0E-03	4.3E-08	1.6E-01	5.5E-01	3.7E-09	7.7E-01	5.5E-07	1.0E-03	4.4E-10	1.6E-01	5.5E-01	3.8E-11
7.3E+00	5.2E-06	1.0E-03	3.9E-08	1.6E-01	5.5E-01	3.4E-09	7.4E-01	5.5E-07	1.0E-03	4.3E-10	1.6E-01	5.5E-01	3.7E-11
6.6E+00	5.2E-06	1.0E-03	3.6E-08	1.6E-01	5.5E-01	3.1E-09	7.2E-01	5.5E-07	1.0E-03	4.2E-10	1.6E-01	5.5E-01	3.6E-11
6.0E+00	5.2E-06	1.0E-03	3.2E-08	1.6E-01	5.5E-01	2.8E-09	7.0E-01	5.5E-07	1.0E-03	4.1E-10	1.6E-01	5.5E-01	3.5E-11
5.4E+00	5.2E-06	1.0E-03	2.9E-08	1.6E-01	5.5E-01	2.5E-09	6.8E-01	5.5E-07	1.0E-03	3.9E-10	1.6E-01	5.5E-01	3.4E-11
4.9E+00	5.2E-06	1.0E-03	2.7E-08	1.6E-01	5.5E-01	2.3E-09	6.6E-01	5.5E-07	1.0E-03	3.8E-10	1.6E-01	5.5E-01	3.3E-11
4.5E+00	5.2E-06	1.0E-03	2.4E-08	1.6E-01	5.5E-01	2.1E-09	6.4E-01	5.5E-07	1.0E-03	3.7E-10	1.6E-01	5.5E-01	3.2E-11
4.1E+00	5.2E-06	1.0E-03	2.2E-08	1.6E-01	5.5E-01	1.9E-09	6.2E-01	5.5E-07	1.0E-03	3.6E-10	1.6E-01	5.5E-01	3.1E-11
3.8E+00	5.2E-06	1.0E-03	2.0E-08	1.6E-01	5.5E-01	1.7E-09	6.0E-01	5.5E-07	1.0E-03	3.5E-10	1.6E-01	5.5E-01	3.0E-11
3.4E+00	5.2E-06	1.0E-03	1.9E-08	1.6E-01	5.5E-01	1.6E-09	5.8E-01	5.5E-07	1.0E-03	3.3E-10	1.6E-01	5.5E-01	2.9E-11
5.9E+00	5.2E-06	1.0E-03	3.2E-08	1.6E-01	5.5E-01	2.7E-09	1.0E+00	5.5E-07	1.0E-03	5.9E-10	1.6E-01	5.5E-01	5.1E-11
6.6E+00	5.2E-06	1.0E-03	3.6E-08	1.6E-01	5.5E-01	3.1E-09	1.0E+00	5.5E-07	1.0E-03	5.8E-10	1.6E-01	5.5E-01	5.0E-11
7.4E+00	5.2E-06	1.0E-03	4.0E-08	1.6E-01	5.5E-01	3.4E-09	9.9E-01	5.5E-07	1.0E-03	5.8E-10	1.6E-01	5.5E-01	5.0E-11
8.3E+00	5.2E-06	1.0E-03	4.5E-08	1.6E-01	5.5E-01	3.9E-09	9.8E-01	5.5E-07	1.0E-03	5.7E-10	1.6E-01	5.5E-01	4.9E-11
9.2E+00	5.2E-06	1.0E-03	5.0E-08	1.6E-01	5.5E-01	4.3E-09	9.7E-01	5.5E-07	1.0E-03	5.6E-10	1.6E-01	5.5E-01	4.8E-11
7.1E+00	5.2E-06	1.0E-03	3.9E-08	1.6E-01	5.5E-01	3.3E-09	7.4E-01	5.5E-07	1.0E-03	4.3E-10	1.6E-01	5.5E-01	3.7E-11
6.6E+00	5.2E-06	1.0E-03	3.5E-08	1.6E-01	5.5E-01	3.0E-09	7.2E-01	5.5E-07	1.0E-03	4.2E-10	1.6E-01	5.5E-01	3.6E-11
6.0E+00	5.2E-06	1.0E-03	3.2E-08	1.6E-01	5.5E-01	2.8E-09	7.0E-01	5.5E-07	1.0E-03	4.0E-10	1.6E-01	5.5E-01	3.5E-11
5.5E+00	5.2E-06	1.0E-03	3.0E-08	1.6E-01	5.5E-01	2.5E-09	6.8E-01	5.5E-07	1.0E-03	3.9E-10	1.6E-01	5.5E-01	3.4E-11
5.0E+00	5.2E-06	1.0E-03	2.7E-08	1.6E-01	5.5E-01	2.3E-09	6.6E-01	5.5E-07	1.0E-03	3.8E-10	1.6E-01	5.5E-01	3.3E-11
4.6E+00	5.2E-06	1.0E-03	2.5E-08	1.6E-01	5.5E-01	2.1E-09	6.4E-01	5.5E-07	1.0E-03	3.7E-10	1.6E-01	5.5E-01	3.2E-11
4.2E+00	5.2E-06	1.0E-03	2.3E-08	1.6E-01	5.5E-01	1.9E-09	6.2E-01	5.5E-07	1.0E-03	3.6E-10	1.6E-01	5.5E-01	3.1E-11
3.8E+00	5.2E-06	1.0E-03	2.1E-08	1.6E-01	5.5E-01	1.8E-09	6.0E-01	5.5E-07	1.0E-03	3.5E-10	1.6E-01	5.5E-01	3.0E-11
3.5E+00	5.2E-06	1.0E-03	1.9E-08	1.6E-01	5.5E-01	1.6E-09	5.8E-01	5.5E-07	1.0E-03	3.4E-10	1.6E-01	5.5E-01	2.9E-11
3.2E+00	5.2E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-01	1.5E-09	5.6E-01	5.5E-07	1.0E-03	3.3E-10	1.6E-01	5.5E-01	2.8E-11
5.2E+00	5.2E-06	1.0E-03	2.8E-08	1.6E-01	5.5E-01	2.4E-09	9.7E-01	5.5E-07	1.0E-03	5.6E-10	1.6E-01	5.5E-01	4.8E-11
5.8E+00	5.2E-06	1.0E-03	3.1E-08	1.6E-01	5.5E-01	2.7E-09	9.6E-01	5.5E-07	1.0E-03	5.6E-10	1.6E-01	5.5E-01	4.8E-11
6.4E+00	5.2E-06	1.0E-03	3.5E-08	1.6E-01	5.5E-01	3.0E-09	9.5E-01	5.5E-07	1.0E-03	5.5E-10	1.6E-01	5.5E-01	4.7E-11
7.1E+00	5.2E-06	1.0E-03	3.8E-08	1.6E-01	5.5E-01	3.3E-09	9.4E-01	5.5E-07	1.0E-03	5.4E-10	1.6E-01	5.5E-01	4.7E-11
7.8E+00	5.2E-06	1.0E-03	4.2E-08	1.6E-01	5.5E-01	3.6E-09	9.2E-01	5.5E-07	1.0E-03	5.3E-10	1.6E-01	5.5E-01	4.6E-11
6.4E+00	5.2E-06	1.0E-03	3.4E-08	1.6E-01	5.5E-01	3.0E-09	7.1E-01	5.5E-07	1.0E-03	4.1E-10	1.6E-01	5.5E-01	3.6E-11
5.9E+00	5.2E-06	1.0E-03	3.2E-08	1.6E-01	5.5E-01	2.7E-09	6.9E-01	5.5E-07	1.0E-03	4.0E-10	1.6E-01	5.5E-01	3.5E-11
5.4E+00	5.2E-06	1.0E-03	2.9E-08	1.6E-01	5.5E-01	2.5E-09	6.7E-01	5.5E-07	1.0E-03	3.9E-10	1.6E-01	5.5E-01	3.4E-11
5.0E+00	5.2E-06	1.0E-03	2.7E-08	1.6E-01	5.5E-01	2.3E-09	6.6E-01	5.5E-07	1.0E-03	3.8E-10	1.6E-01	5.5E-01	3.3E-11
4.6E+00	5.2E-06	1.0E-03	2.5E-08	1.6E-01	5.5E-01	2.1E-09	6.4E-01	5.5E-07	1.0E-03	3.7E-10	1.6E-01	5.5E-01	3.2E-11
4.2E+00	5.2E-06	1.0E-03	2.3E-08	1.6E-01	5.5E-01	2.0E-09	6.2E-01	5.5E-07	1.0E-03	3.6E-10	1.6E-01	5.5E-01	3.1E-11
3.9E+00	5.2E-06	1.0E-03	2.1E-08	1.6E-01	5.5E-01	1.8E-09	6.0E-01	5.5E-07	1.0E-03	3.5E-10	1.6E-01	5.5E-01	3.0E-11
3.6E+00	5.2E-06	1.0E-03	1.9E-08	1.6E-01	5.5E-01	1.7E-09	5.8E-01	5.5E-07	1.0E-03	3.4E-10	1.6E-01	5.5E-01	2.9E-11
3.3E+00	5.2E-06	1.0E-03	1.8E-08	1.6E-01	5.5E-01	1.5E-09	5.7E-01	5.5E-07	1.0E-03	3.3E-10	1.6E-01	5.5E-01	2.8E-11
3.0E+00	5.2E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-01	1.4E-09	5.5E-01	5.5E-07	1.0E-03	3.2E-10	1.6E-01	5.5E-01	2.7E-11
4.6E+00	5.2E-06	1.0E-03	2.5E-08	1.6E-01	5.5E-01	2.1E-09	9.2E-01	5.5E-07	1.0E-03	5.4E-10	1.6E-01	5.5E-01	4.6E-11
5.1E+00	5.2E-06	1.0E-03	2.7E-08	1.6E-01	5.5E-01	2.3E-09	9.2E-01	5.5E-07	1.0E-03	5.3E-10	1.6E-01	5.5E-01	4.6E-11
5.6E+00	5.2E-06	1.0E-03	3.0E-08	1.6E-01	5.5E-01	2.6E-09	9.0E-01	5.5E-07	1.0E-03	5.2E-10	1.6E-01	5.5E-01	4.5E-11
6.1E+00	5.2E-06	1.0E-03	3.3E-08	1.6E-01	5.5E-01	2.8E-09	8.9E-01	5.5E-07	1.0E-03	5.2E-10	1.6E-01	5.5E-01	4.5E-11

6.6E+00	5.2E-06	1.0E-03	3.6E-08	1.6E-01	5.5E-01	3.1E-09	8.8E-01	5.5E-07	1.0E-03	5.1E-10	1.6E-01	5.5E-01	4.4E-11
5.7E+00	5.2E-06	1.0E-03	3.1E-08	1.6E-01	5.5E-01	2.7E-09	6.9E-01	5.5E-07	1.0E-03	4.0E-10	1.6E-01	5.5E-01	3.4E-11
5.3E+00	5.2E-06	1.0E-03	2.9E-08	1.6E-01	5.5E-01	2.5E-09	6.7E-01	5.5E-07	1.0E-03	3.9E-10	1.6E-01	5.5E-01	3.3E-11
4.9E+00	5.2E-06	1.0E-03	2.7E-08	1.6E-01	5.5E-01	2.3E-09	6.5E-01	5.5E-07	1.0E-03	3.8E-10	1.6E-01	5.5E-01	3.3E-11
4.6E+00	5.2E-06	1.0E-03	2.5E-08	1.6E-01	5.5E-01	2.1E-09	6.3E-01	5.5E-07	1.0E-03	3.7E-10	1.6E-01	5.5E-01	3.2E-11
4.2E+00	5.2E-06	1.0E-03	2.2E-08	1.6E-01	5.5E-01	1.9E-09	6.1E-01	5.5E-07	1.0E-03	3.6E-10	1.6E-01	5.5E-01	3.1E-11
3.8E+00	5.2E-06	1.0E-03	2.1E-08	1.6E-01	5.5E-01	1.8E-09	6.0E-01	5.5E-07	1.0E-03	3.5E-10	1.6E-01	5.5E-01	3.0E-11
3.6E+00	5.2E-06	1.0E-03	1.9E-08	1.6E-01	5.5E-01	1.7E-09	5.8E-01	5.5E-07	1.0E-03	3.4E-10	1.6E-01	5.5E-01	2.9E-11
3.3E+00	5.2E-06	1.0E-03	1.8E-08	1.6E-01	5.5E-01	1.5E-09	5.6E-01	5.5E-07	1.0E-03	3.3E-10	1.6E-01	5.5E-01	2.8E-11
3.1E+00	5.2E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-01	1.4E-09	5.5E-01	5.5E-07	1.0E-03	3.2E-10	1.6E-01	5.5E-01	2.7E-11
2.8E+00	5.2E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-01	1.3E-09	5.3E-01	5.5E-07	1.0E-03	3.1E-10	1.6E-01	5.5E-01	2.6E-11
4.1E+00	5.2E-06	1.0E-03	2.2E-08	1.6E-01	5.5E-01	1.9E-09	8.8E-01	5.5E-07	1.0E-03	5.1E-10	1.6E-01	5.5E-01	4.4E-11
4.5E+00	5.2E-06	1.0E-03	2.4E-08	1.6E-01	5.5E-01	2.1E-09	8.7E-01	5.5E-07	1.0E-03	5.1E-10	1.6E-01	5.5E-01	4.4E-11
4.9E+00	5.2E-06	1.0E-03	2.6E-08	1.6E-01	5.5E-01	2.3E-09	8.6E-01	5.5E-07	1.0E-03	5.0E-10	1.6E-01	5.5E-01	4.3E-11
5.3E+00	5.2E-06	1.0E-03	2.9E-08	1.6E-01	5.5E-01	2.5E-09	8.5E-01	5.5E-07	1.0E-03	5.0E-10	1.6E-01	5.5E-01	4.3E-11
5.7E+00	5.2E-06	1.0E-03	3.1E-08	1.6E-01	5.5E-01	2.7E-09	8.4E-01	5.5E-07	1.0E-03	4.9E-10	1.6E-01	5.5E-01	4.2E-11
4.9E+00	5.2E-06	1.0E-03	2.6E-08	1.6E-01	5.5E-01	2.3E-09	6.5E-01	5.5E-07	1.0E-03	3.8E-10	1.6E-01	5.5E-01	3.2E-11
4.5E+00	5.2E-06	1.0E-03	2.4E-08	1.6E-01	5.5E-01	2.1E-09	6.3E-01	5.5E-07	1.0E-03	3.7E-10	1.6E-01	5.5E-01	3.2E-11
4.2E+00	5.2E-06	1.0E-03	2.3E-08	1.6E-01	5.5E-01	1.9E-09	6.1E-01	5.5E-07	1.0E-03	3.6E-10	1.6E-01	5.5E-01	3.1E-11
3.8E+00	5.2E-06	1.0E-03	2.0E-08	1.6E-01	5.5E-01	1.7E-09	5.9E-01	5.5E-07	1.0E-03	3.4E-10	1.6E-01	5.5E-01	2.9E-11
3.5E+00	5.2E-06	1.0E-03	1.9E-08	1.6E-01	5.5E-01	1.6E-09	5.7E-01	5.5E-07	1.0E-03	3.3E-10	1.6E-01	5.5E-01	2.9E-11
3.2E+00	5.2E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-01	1.5E-09	5.6E-01	5.5E-07	1.0E-03	3.2E-10	1.6E-01	5.5E-01	2.8E-11
3.0E+00	5.2E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-01	1.4E-09	5.4E-01	5.5E-07	1.0E-03	3.1E-10	1.6E-01	5.5E-01	2.7E-11
2.8E+00	5.2E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-01	1.3E-09	5.3E-01	5.5E-07	1.0E-03	3.0E-10	1.6E-01	5.5E-01	2.6E-11
2.6E+00	5.2E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-01	1.2E-09	5.1E-01	5.5E-07	1.0E-03	3.0E-10	1.6E-01	5.5E-01	2.6E-11
3.7E+00	5.2E-06	1.0E-03	2.0E-08	1.6E-01	5.5E-01	1.7E-09	8.4E-01	5.5E-07	1.0E-03	4.9E-10	1.6E-01	5.5E-01	4.2E-11
4.0E+00	5.2E-06	1.0E-03	2.2E-08	1.6E-01	5.5E-01	1.9E-09	8.4E-01	5.5E-07	1.0E-03	4.8E-10	1.6E-01	5.5E-01	4.2E-11
4.3E+00	5.2E-06	1.0E-03	2.3E-08	1.6E-01	5.5E-01	2.0E-09	8.3E-01	5.5E-07	1.0E-03	4.8E-10	1.6E-01	5.5E-01	4.1E-11
4.7E+00	5.2E-06	1.0E-03	2.5E-08	1.6E-01	5.5E-01	2.2E-09	8.2E-01	5.5E-07	1.0E-03	4.7E-10	1.6E-01	5.5E-01	4.1E-11
5.0E+00	5.2E-06	1.0E-03	2.7E-08	1.6E-01	5.5E-01	2.3E-09	8.1E-01	5.5E-07	1.0E-03	4.7E-10	1.6E-01	5.5E-01	4.0E-11
4.2E+00	5.2E-06	1.0E-03	2.2E-08	1.6E-01	5.5E-01	1.9E-09	6.1E-01	5.5E-07	1.0E-03	3.5E-10	1.6E-01	5.5E-01	3.1E-11
3.9E+00	5.2E-06	1.0E-03	2.1E-08	1.6E-01	5.5E-01	1.8E-09	6.0E-01	5.5E-07	1.0E-03	3.5E-10	1.6E-01	5.5E-01	3.0E-11
3.6E+00	5.2E-06	1.0E-03	1.9E-08	1.6E-01	5.5E-01	1.7E-09	5.8E-01	5.5E-07	1.0E-03	3.3E-10	1.6E-01	5.5E-01	2.9E-11
3.3E+00	5.2E-06	1.0E-03	1.8E-08	1.6E-01	5.5E-01	1.6E-09	5.6E-01	5.5E-07	1.0E-03	3.3E-10	1.6E-01	5.5E-01	2.8E-11
3.1E+00	5.2E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-01	1.4E-09	5.5E-01	5.5E-07	1.0E-03	3.2E-10	1.6E-01	5.5E-01	2.7E-11
2.9E+00	5.2E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-01	1.3E-09	5.3E-01	5.5E-07	1.0E-03	3.1E-10	1.6E-01	5.5E-01	2.6E-11
2.7E+00	5.2E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-01	1.2E-09	5.1E-01	5.5E-07	1.0E-03	3.0E-10	1.6E-01	5.5E-01	2.6E-11
2.5E+00	5.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-01	1.1E-09	5.0E-01	5.5E-07	1.0E-03	2.9E-10	1.6E-01	5.5E-01	2.5E-11
3.3E+00	5.2E-06	1.0E-03	1.8E-08	1.6E-01	5.5E-01	1.5E-09	8.1E-01	5.5E-07	1.0E-03	4.7E-10	1.6E-01	5.5E-01	4.0E-11
3.6E+00	5.2E-06	1.0E-03	1.9E-08	1.6E-01	5.5E-01	1.7E-09	8.0E-01	5.5E-07	1.0E-03	4.6E-10	1.6E-01	5.5E-01	4.0E-11
3.9E+00	5.2E-06	1.0E-03	2.1E-08	1.6E-01	5.5E-01	1.8E-09	7.9E-01	5.5E-07	1.0E-03	4.6E-10	1.6E-01	5.5E-01	4.0E-11
4.1E+00	5.2E-06	1.0E-03	2.2E-08	1.6E-01	5.5E-01	1.9E-09	7.8E-01	5.5E-07	1.0E-03	4.5E-10	1.6E-01	5.5E-01	3.9E-11
4.4E+00	5.2E-06	1.0E-03	2.4E-08	1.6E-01	5.5E-01	2.0E-09	7.7E-01	5.5E-07	1.0E-03	4.5E-10	1.6E-01	5.5E-01	3.9E-11
3.6E+00	5.2E-06	1.0E-03	2.0E-08	1.6E-01	5.5E-01	1.7E-09	5.8E-01	5.5E-07	1.0E-03	3.4E-10	1.6E-01	5.5E-01	2.9E-11
3.4E+00	5.2E-06	1.0E-03	1.8E-08	1.6E-01	5.5E-01	1.6E-09	5.7E-01	5.5E-07	1.0E-03	3.3E-10	1.6E-01	5.5E-01	2.8E-11
3.2E+00	5.2E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-01	1.5E-09	5.5E-01	5.5E-07	1.0E-03	3.2E-10	1.6E-01	5.5E-01	2.8E-11

3.0E+00	5.2E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-01	1.4E-09	5.4E-01	5.5E-07	1.0E-03	3.1E-10	1.6E-01	5.5E-01	2.7E-11
2.8E+00	5.2E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-01	1.3E-09	5.2E-01	5.5E-07	1.0E-03	3.0E-10	1.6E-01	5.5E-01	2.6E-11
2.6E+00	5.2E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-01	1.2E-09	5.1E-01	5.5E-07	1.0E-03	2.9E-10	1.6E-01	5.5E-01	2.5E-11
2.4E+00	5.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-01	1.1E-09	4.9E-01	5.5E-07	1.0E-03	2.8E-10	1.6E-01	5.5E-01	2.4E-11
3.0E+00	5.2E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-01	1.4E-09	7.7E-01	5.5E-07	1.0E-03	4.5E-10	1.6E-01	5.5E-01	3.9E-11
3.3E+00	5.2E-06	1.0E-03	1.8E-08	1.6E-01	5.5E-01	1.5E-09	7.7E-01	5.5E-07	1.0E-03	4.4E-10	1.6E-01	5.5E-01	3.8E-11
3.5E+00	5.2E-06	1.0E-03	1.9E-08	1.6E-01	5.5E-01	1.6E-09	7.6E-01	5.5E-07	1.0E-03	4.4E-10	1.6E-01	5.5E-01	3.8E-11
3.7E+00	5.2E-06	1.0E-03	2.0E-08	1.6E-01	5.5E-01	1.7E-09	7.5E-01	5.5E-07	1.0E-03	4.4E-10	1.6E-01	5.5E-01	3.7E-11
3.9E+00	5.2E-06	1.0E-03	2.1E-08	1.6E-01	5.5E-01	1.8E-09	7.4E-01	5.5E-07	1.0E-03	4.3E-10	1.6E-01	5.5E-01	3.7E-11
3.2E+00	5.2E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-01	1.5E-09	5.5E-01	5.5E-07	1.0E-03	3.2E-10	1.6E-01	5.5E-01	2.7E-11
3.0E+00	5.2E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-01	1.4E-09	5.4E-01	5.5E-07	1.0E-03	3.1E-10	1.6E-01	5.5E-01	2.7E-11
2.8E+00	5.2E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-01	1.3E-09	5.2E-01	5.5E-07	1.0E-03	3.0E-10	1.6E-01	5.5E-01	2.6E-11
2.7E+00	5.2E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-01	1.2E-09	5.1E-01	5.5E-07	1.0E-03	2.9E-10	1.6E-01	5.5E-01	2.5E-11
2.5E+00	5.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-01	1.2E-09	5.0E-01	5.5E-07	1.0E-03	2.9E-10	1.6E-01	5.5E-01	2.5E-11
2.3E+00	5.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-01	1.1E-09	4.8E-01	5.5E-07	1.0E-03	2.8E-10	1.6E-01	5.5E-01	2.4E-11
2.7E+00	5.2E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-01	1.3E-09	7.4E-01	5.5E-07	1.0E-03	4.3E-10	1.6E-01	5.5E-01	3.7E-11
2.9E+00	5.2E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-01	1.4E-09	7.3E-01	5.5E-07	1.0E-03	4.3E-10	1.6E-01	5.5E-01	3.7E-11
3.1E+00	5.2E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-01	1.5E-09	7.3E-01	5.5E-07	1.0E-03	4.2E-10	1.6E-01	5.5E-01	3.6E-11
3.3E+00	5.2E-06	1.0E-03	1.8E-08	1.6E-01	5.5E-01	1.5E-09	7.2E-01	5.5E-07	1.0E-03	4.2E-10	1.6E-01	5.5E-01	3.6E-11
3.5E+00	5.2E-06	1.0E-03	1.9E-08	1.6E-01	5.5E-01	1.6E-09	7.1E-01	5.5E-07	1.0E-03	4.1E-10	1.6E-01	5.5E-01	3.6E-11
3.0E+00	5.2E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-01	1.4E-09	5.3E-01	5.5E-07	1.0E-03	3.1E-10	1.6E-01	5.5E-01	2.7E-11
2.8E+00	5.2E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-01	1.3E-09	5.2E-01	5.5E-07	1.0E-03	3.0E-10	1.6E-01	5.5E-01	2.6E-11
2.7E+00	5.2E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-01	1.2E-09	5.1E-01	5.5E-07	1.0E-03	2.9E-10	1.6E-01	5.5E-01	2.5E-11
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2.4E+00	5.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-01	1.1E-09	4.8E-01	5.5E-07	1.0E-03	2.8E-10	1.6E-01	5.5E-01	2.4E-11
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2.5E+00	5.2E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-01	1.2E-09	7.1E-01	5.5E-07	1.0E-03	4.1E-10	1.6E-01	5.5E-01	3.5E-11
2.7E+00	5.2E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-01	1.2E-09	7.0E-01	5.5E-07	1.0E-03	4.1E-10	1.6E-01	5.5E-01	3.5E-11
2.8E+00	5.2E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-01	1.3E-09	7.0E-01	5.5E-07	1.0E-03	4.0E-10	1.6E-01	5.5E-01	3.5E-11
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3.1E+00	5.2E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-01	1.5E-09	6.9E-01	5.5E-07	1.0E-03	4.0E-10	1.6E-01	5.5E-01	3.4E-11
2.8E+00	5.2E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-01	1.3E-09	5.2E-01	5.5E-07	1.0E-03	3.0E-10	1.6E-01	5.5E-01	2.6E-11
2.6E+00	5.2E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-01	1.2E-09	5.1E-01	5.5E-07	1.0E-03	2.9E-10	1.6E-01	5.5E-01	2.5E-11
2.5E+00	5.2E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-01	1.2E-09	5.0E-01	5.5E-07	1.0E-03	2.9E-10	1.6E-01	5.5E-01	2.5E-11
2.4E+00	5.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-01	1.1E-09	4.8E-01	5.5E-07	1.0E-03	2.8E-10	1.6E-01	5.5E-01	2.4E-11
2.2E+00	5.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-01	1.0E-09	4.7E-01	5.5E-07	1.0E-03	2.7E-10	1.6E-01	5.5E-01	2.4E-11
2.1E+00	5.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.8E-10	4.6E-01	5.5E-07	1.0E-03	2.7E-10	1.6E-01	5.5E-01	2.3E-11
2.3E+00	5.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-01	1.1E-09	6.8E-01	5.5E-07	1.0E-03	3.9E-10	1.6E-01	5.5E-01	3.4E-11
2.4E+00	5.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-01	1.1E-09	6.8E-01	5.5E-07	1.0E-03	3.9E-10	1.6E-01	5.5E-01	3.4E-11
2.6E+00	5.2E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-01	1.2E-09	6.7E-01	5.5E-07	1.0E-03	3.9E-10	1.6E-01	5.5E-01	3.3E-11
2.7E+00	5.2E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-01	1.3E-09	6.7E-01	5.5E-07	1.0E-03	3.9E-10	1.6E-01	5.5E-01	3.3E-11
2.8E+00	5.2E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-01	1.3E-09	6.6E-01	5.5E-07	1.0E-03	3.8E-10	1.6E-01	5.5E-01	3.3E-11
2.6E+00	5.2E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-01	1.2E-09	5.0E-01	5.5E-07	1.0E-03	2.9E-10	1.6E-01	5.5E-01	2.5E-11
2.5E+00	5.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-01	1.2E-09	4.9E-01	5.5E-07	1.0E-03	2.9E-10	1.6E-01	5.5E-01	2.5E-11
2.4E+00	5.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-01	1.1E-09	4.8E-01	5.5E-07	1.0E-03	2.8E-10	1.6E-01	5.5E-01	2.4E-11
2.2E+00	5.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-01	1.0E-09	4.7E-01	5.5E-07	1.0E-03	2.7E-10	1.6E-01	5.5E-01	2.4E-11

2.1E+00	5.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.9E-10	4.6E-01	5.5E-07	1.0E-03	2.7E-10	1.6E-01	5.5E-01	2.3E-11
2.0E+00	5.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.4E-10	4.5E-01	5.5E-07	1.0E-03	2.6E-10	1.6E-01	5.5E-01	2.2E-11
2.1E+00	5.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.8E-10	6.5E-01	5.5E-07	1.0E-03	3.8E-10	1.6E-01	5.5E-01	3.3E-11
2.2E+00	5.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-01	1.0E-09	6.5E-01	5.5E-07	1.0E-03	3.8E-10	1.6E-01	5.5E-01	3.2E-11
2.4E+00	5.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-01	1.1E-09	6.5E-01	5.5E-07	1.0E-03	3.7E-10	1.6E-01	5.5E-01	3.2E-11
2.5E+00	5.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-01	1.1E-09	6.4E-01	5.5E-07	1.0E-03	3.7E-10	1.6E-01	5.5E-01	3.2E-11
2.6E+00	5.2E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-01	1.2E-09	6.3E-01	5.5E-07	1.0E-03	3.7E-10	1.6E-01	5.5E-01	3.2E-11
2.4E+00	5.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-01	1.1E-09	4.9E-01	5.5E-07	1.0E-03	2.8E-10	1.6E-01	5.5E-01	2.4E-11
2.3E+00	5.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-01	1.1E-09	4.8E-01	5.5E-07	1.0E-03	2.8E-10	1.6E-01	5.5E-01	2.4E-11
2.2E+00	5.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-01	1.0E-09	4.7E-01	5.5E-07	1.0E-03	2.7E-10	1.6E-01	5.5E-01	2.3E-11
2.1E+00	5.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.9E-10	4.6E-01	5.5E-07	1.0E-03	2.7E-10	1.6E-01	5.5E-01	2.3E-11
2.0E+00	5.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.4E-10	4.5E-01	5.5E-07	1.0E-03	2.6E-10	1.6E-01	5.5E-01	2.2E-11
1.9E+00	5.2E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-01	8.9E-10	4.4E-01	5.5E-07	1.0E-03	2.5E-10	1.6E-01	5.5E-01	2.2E-11
2.0E+00	5.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.1E-10	6.3E-01	5.5E-07	1.0E-03	3.6E-10	1.6E-01	5.5E-01	3.1E-11
2.1E+00	5.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.6E-10	6.3E-01	5.5E-07	1.0E-03	3.6E-10	1.6E-01	5.5E-01	3.1E-11
2.2E+00	5.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-01	1.0E-09	6.2E-01	5.5E-07	1.0E-03	3.6E-10	1.6E-01	5.5E-01	3.1E-11
2.3E+00	5.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-01	1.1E-09	6.2E-01	5.5E-07	1.0E-03	3.6E-10	1.6E-01	5.5E-01	3.1E-11
2.4E+00	5.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-01	1.1E-09	6.1E-01	5.5E-07	1.0E-03	3.5E-10	1.6E-01	5.5E-01	3.0E-11
2.4E+00	5.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-01	1.1E-09	6.0E-01	5.5E-07	1.0E-03	3.5E-10	1.6E-01	5.5E-01	3.0E-11
2.5E+00	5.2E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-01	1.2E-09	6.0E-01	5.5E-07	1.0E-03	3.5E-10	1.6E-01	5.5E-01	3.0E-11
2.6E+00	5.2E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-01	1.2E-09	5.9E-01	5.5E-07	1.0E-03	3.4E-10	1.6E-01	5.5E-01	2.9E-11
2.6E+00	5.2E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-01	1.2E-09	5.8E-01	5.5E-07	1.0E-03	3.4E-10	1.6E-01	5.5E-01	2.9E-11
2.7E+00	5.2E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-01	1.2E-09	5.8E-01	5.5E-07	1.0E-03	3.3E-10	1.6E-01	5.5E-01	2.9E-11
2.7E+00	5.2E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-01	1.3E-09	5.7E-01	5.5E-07	1.0E-03	3.3E-10	1.6E-01	5.5E-01	2.8E-11
2.7E+00	5.2E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-01	1.3E-09	5.6E-01	5.5E-07	1.0E-03	3.2E-10	1.6E-01	5.5E-01	2.8E-11
2.7E+00	5.2E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-01	1.3E-09	5.5E-01	5.5E-07	1.0E-03	3.2E-10	1.6E-01	5.5E-01	2.7E-11
2.7E+00	5.2E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-01	1.2E-09	5.4E-01	5.5E-07	1.0E-03	3.1E-10	1.6E-01	5.5E-01	2.7E-11
2.7E+00	5.2E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-01	1.2E-09	5.3E-01	5.5E-07	1.0E-03	3.1E-10	1.6E-01	5.5E-01	2.7E-11
2.6E+00	5.2E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-01	1.2E-09	5.2E-01	5.5E-07	1.0E-03	3.0E-10	1.6E-01	5.5E-01	2.6E-11
2.6E+00	5.2E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-01	1.2E-09	5.1E-01	5.5E-07	1.0E-03	3.0E-10	1.6E-01	5.5E-01	2.6E-11
2.5E+00	5.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-01	1.2E-09	5.1E-01	5.5E-07	1.0E-03	2.9E-10	1.6E-01	5.5E-01	2.5E-11
2.4E+00	5.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-01	1.1E-09	5.0E-01	5.5E-07	1.0E-03	2.9E-10	1.6E-01	5.5E-01	2.5E-11
2.3E+00	5.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-01	1.1E-09	4.9E-01	5.5E-07	1.0E-03	2.8E-10	1.6E-01	5.5E-01	2.4E-11
2.3E+00	5.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-01	1.1E-09	4.8E-01	5.5E-07	1.0E-03	2.8E-10	1.6E-01	5.5E-01	2.4E-11
2.2E+00	5.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-01	1.0E-09	4.7E-01	5.5E-07	1.0E-03	2.7E-10	1.6E-01	5.5E-01	2.3E-11
2.1E+00	5.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.7E-10	4.6E-01	5.5E-07	1.0E-03	2.6E-10	1.6E-01	5.5E-01	2.3E-11
2.0E+00	5.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.3E-10	4.5E-01	5.5E-07	1.0E-03	2.6E-10	1.6E-01	5.5E-01	2.2E-11
1.9E+00	5.2E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-01	8.9E-10	4.4E-01	5.5E-07	1.0E-03	2.5E-10	1.6E-01	5.5E-01	2.2E-11
1.8E+00	5.2E-06	1.0E-03	9.9E-09	1.6E-01	5.5E-01	8.5E-10	4.3E-01	5.5E-07	1.0E-03	2.5E-10	1.6E-01	5.5E-01	2.1E-11
1.8E+00	5.2E-06	1.0E-03	9.8E-09	1.6E-01	5.5E-01	8.4E-10	6.1E-01	5.5E-07	1.0E-03	3.5E-10	1.6E-01	5.5E-01	3.0E-11
1.9E+00	5.2E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-01	8.9E-10	6.0E-01	5.5E-07	1.0E-03	3.5E-10	1.6E-01	5.5E-01	3.0E-11
2.0E+00	5.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.3E-10	6.0E-01	5.5E-07	1.0E-03	3.5E-10	1.6E-01	5.5E-01	3.0E-11
2.1E+00	5.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.7E-10	5.9E-01	5.5E-07	1.0E-03	3.4E-10	1.6E-01	5.5E-01	3.0E-11
2.2E+00	5.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-01	1.0E-09	5.9E-01	5.5E-07	1.0E-03	3.4E-10	1.6E-01	5.5E-01	2.9E-11
2.2E+00	5.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-01	1.0E-09	5.8E-01	5.5E-07	1.0E-03	3.4E-10	1.6E-01	5.5E-01	2.9E-11
2.3E+00	5.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-01	1.1E-09	5.8E-01	5.5E-07	1.0E-03	3.3E-10	1.6E-01	5.5E-01	2.9E-11

2.4E+00	5.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-01	1.1E-09	5.7E-01	5.5E-07	1.0E-03	3.3E-10	1.6E-01	5.5E-01	2.8E-11
2.4E+00	5.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-01	1.1E-09	5.6E-01	5.5E-07	1.0E-03	3.3E-10	1.6E-01	5.5E-01	2.8E-11
2.4E+00	5.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-01	1.1E-09	5.6E-01	5.5E-07	1.0E-03	3.2E-10	1.6E-01	5.5E-01	2.8E-11
2.5E+00	5.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-01	1.1E-09	5.5E-01	5.5E-07	1.0E-03	3.2E-10	1.6E-01	5.5E-01	2.7E-11
2.5E+00	5.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-01	1.2E-09	5.4E-01	5.5E-07	1.0E-03	3.1E-10	1.6E-01	5.5E-01	2.7E-11
2.5E+00	5.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-01	1.2E-09	5.3E-01	5.5E-07	1.0E-03	3.1E-10	1.6E-01	5.5E-01	2.7E-11
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2.4E+00	5.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-01	1.1E-09	5.2E-01	5.5E-07	1.0E-03	3.0E-10	1.6E-01	5.5E-01	2.6E-11
2.4E+00	5.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-01	1.1E-09	5.1E-01	5.5E-07	1.0E-03	2.9E-10	1.6E-01	5.5E-01	2.5E-11
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2.1E+00	5.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.8E-10	4.6E-01	5.5E-07	1.0E-03	2.7E-10	1.6E-01	5.5E-01	2.3E-11
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1.7E+00	5.2E-06	1.0E-03	9.4E-09	1.6E-01	5.5E-01	8.1E-10	4.2E-01	5.5E-07	1.0E-03	2.4E-10	1.6E-01	5.5E-01	2.1E-11
1.7E+00	5.2E-06	1.0E-03	9.1E-09	1.6E-01	5.5E-01	7.8E-10	5.8E-01	5.5E-07	1.0E-03	3.4E-10	1.6E-01	5.5E-01	2.9E-11
1.8E+00	5.2E-06	1.0E-03	9.5E-09	1.6E-01	5.5E-01	8.2E-10	5.8E-01	5.5E-07	1.0E-03	3.4E-10	1.6E-01	5.5E-01	2.9E-11
1.8E+00	5.2E-06	1.0E-03	9.9E-09	1.6E-01	5.5E-01	8.6E-10	5.8E-01	5.5E-07	1.0E-03	3.3E-10	1.6E-01	5.5E-01	2.9E-11
1.9E+00	5.2E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-01	8.9E-10	5.7E-01	5.5E-07	1.0E-03	3.3E-10	1.6E-01	5.5E-01	2.8E-11
2.0E+00	5.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.2E-10	5.7E-01	5.5E-07	1.0E-03	3.3E-10	1.6E-01	5.5E-01	2.8E-11
2.1E+00	5.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.6E-10	5.6E-01	5.5E-07	1.0E-03	3.3E-10	1.6E-01	5.5E-01	2.8E-11
2.1E+00	5.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.8E-10	5.6E-01	5.5E-07	1.0E-03	3.2E-10	1.6E-01	5.5E-01	2.8E-11
2.2E+00	5.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-01	1.0E-09	5.5E-01	5.5E-07	1.0E-03	3.2E-10	1.6E-01	5.5E-01	2.7E-11
2.2E+00	5.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-01	1.0E-09	5.4E-01	5.5E-07	1.0E-03	3.1E-10	1.6E-01	5.5E-01	2.7E-11
2.2E+00	5.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-01	1.0E-09	5.4E-01	5.5E-07	1.0E-03	3.1E-10	1.6E-01	5.5E-01	2.7E-11
2.3E+00	5.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-01	1.1E-09	5.3E-01	5.5E-07	1.0E-03	3.1E-10	1.6E-01	5.5E-01	2.6E-11
2.3E+00	5.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-01	1.1E-09	5.2E-01	5.5E-07	1.0E-03	3.0E-10	1.6E-01	5.5E-01	2.6E-11
2.3E+00	5.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-01	1.1E-09	5.2E-01	5.5E-07	1.0E-03	3.0E-10	1.6E-01	5.5E-01	2.6E-11
2.3E+00	5.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-01	1.1E-09	5.1E-01	5.5E-07	1.0E-03	2.9E-10	1.6E-01	5.5E-01	2.5E-11
2.3E+00	5.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-01	1.0E-09	5.0E-01	5.5E-07	1.0E-03	2.9E-10	1.6E-01	5.5E-01	2.5E-11
2.2E+00	5.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-01	1.0E-09	4.9E-01	5.5E-07	1.0E-03	2.9E-10	1.6E-01	5.5E-01	2.5E-11
2.2E+00	5.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-01	1.0E-09	4.8E-01	5.5E-07	1.0E-03	2.8E-10	1.6E-01	5.5E-01	2.4E-11
2.2E+00	5.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-01	1.0E-09	4.8E-01	5.5E-07	1.0E-03	2.8E-10	1.6E-01	5.5E-01	2.4E-11
2.1E+00	5.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.8E-10	4.7E-01	5.5E-07	1.0E-03	2.7E-10	1.6E-01	5.5E-01	2.3E-11
2.0E+00	5.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.5E-10	4.6E-01	5.5E-07	1.0E-03	2.7E-10	1.6E-01	5.5E-01	2.3E-11
2.0E+00	5.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.2E-10	4.5E-01	5.5E-07	1.0E-03	2.6E-10	1.6E-01	5.5E-01	2.2E-11
1.9E+00	5.2E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-01	8.9E-10	4.4E-01	5.5E-07	1.0E-03	2.6E-10	1.6E-01	5.5E-01	2.2E-11
1.9E+00	5.2E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-01	8.6E-10	4.3E-01	5.5E-07	1.0E-03	2.5E-10	1.6E-01	5.5E-01	2.2E-11
1.8E+00	5.2E-06	1.0E-03	9.7E-09	1.6E-01	5.5E-01	8.3E-10	4.2E-01	5.5E-07	1.0E-03	2.5E-10	1.6E-01	5.5E-01	2.1E-11
1.7E+00	5.2E-06	1.0E-03	9.3E-09	1.6E-01	5.5E-01	8.0E-10	4.2E-01	5.5E-07	1.0E-03	2.4E-10	1.6E-01	5.5E-01	2.1E-11
1.7E+00	5.2E-06	1.0E-03	8.9E-09	1.6E-01	5.5E-01	7.7E-10	4.1E-01	5.5E-07	1.0E-03	2.4E-10	1.6E-01	5.5E-01	2.0E-11
1.6E+00	5.2E-06	1.0E-03	8.5E-09	1.6E-01	5.5E-01	7.3E-10	5.6E-01	5.5E-07	1.0E-03	3.2E-10	1.6E-01	5.5E-01	2.8E-11

1.6E+00	5.2E-06	1.0E-03	8.8E-09	1.6E-01	5.5E-01	7.6E-10	5.6E-01	5.5E-07	1.0E-03	3.2E-10	1.6E-01	5.5E-01	2.8E-11
1.7E+00	5.2E-06	1.0E-03	9.2E-09	1.6E-01	5.5E-01	7.9E-10	5.5E-01	5.5E-07	1.0E-03	3.2E-10	1.6E-01	5.5E-01	2.8E-11
1.8E+00	5.2E-06	1.0E-03	9.6E-09	1.6E-01	5.5E-01	8.2E-10	5.5E-01	5.5E-07	1.0E-03	3.2E-10	1.6E-01	5.5E-01	2.7E-11
1.8E+00	5.2E-06	1.0E-03	9.9E-09	1.6E-01	5.5E-01	8.5E-10	5.5E-01	5.5E-07	1.0E-03	3.2E-10	1.6E-01	5.5E-01	2.7E-11
1.9E+00	5.2E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-01	8.8E-10	5.4E-01	5.5E-07	1.0E-03	3.1E-10	1.6E-01	5.5E-01	2.7E-11
2.0E+00	5.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.1E-10	5.4E-01	5.5E-07	1.0E-03	3.1E-10	1.6E-01	5.5E-01	2.7E-11
2.0E+00	5.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.3E-10	5.3E-01	5.5E-07	1.0E-03	3.1E-10	1.6E-01	5.5E-01	2.6E-11
2.0E+00	5.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.5E-10	5.3E-01	5.5E-07	1.0E-03	3.0E-10	1.6E-01	5.5E-01	2.6E-11
2.1E+00	5.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.6E-10	5.2E-01	5.5E-07	1.0E-03	3.0E-10	1.6E-01	5.5E-01	2.6E-11
2.1E+00	5.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.7E-10	5.1E-01	5.5E-07	1.0E-03	3.0E-10	1.6E-01	5.5E-01	2.6E-11
2.1E+00	5.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.8E-10	5.1E-01	5.5E-07	1.0E-03	2.9E-10	1.6E-01	5.5E-01	2.5E-11
2.1E+00	5.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.8E-10	5.0E-01	5.5E-07	1.0E-03	2.9E-10	1.6E-01	5.5E-01	2.5E-11
2.1E+00	5.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.8E-10	4.9E-01	5.5E-07	1.0E-03	2.9E-10	1.6E-01	5.5E-01	2.5E-11
2.1E+00	5.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.7E-10	4.9E-01	5.5E-07	1.0E-03	2.8E-10	1.6E-01	5.5E-01	2.4E-11
2.1E+00	5.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.6E-10	4.8E-01	5.5E-07	1.0E-03	2.8E-10	1.6E-01	5.5E-01	2.4E-11
2.0E+00	5.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.5E-10	4.7E-01	5.5E-07	1.0E-03	2.7E-10	1.6E-01	5.5E-01	2.3E-11
2.0E+00	5.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.3E-10	4.6E-01	5.5E-07	1.0E-03	2.7E-10	1.6E-01	5.5E-01	2.3E-11
2.0E+00	5.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.1E-10	4.5E-01	5.5E-07	1.0E-03	2.6E-10	1.6E-01	5.5E-01	2.3E-11
1.9E+00	5.2E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-01	8.9E-10	4.5E-01	5.5E-07	1.0E-03	2.6E-10	1.6E-01	5.5E-01	2.2E-11
1.9E+00	5.2E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-01	8.7E-10	4.4E-01	5.5E-07	1.0E-03	2.5E-10	1.6E-01	5.5E-01	2.2E-11
1.8E+00	5.2E-06	1.0E-03	9.8E-09	1.6E-01	5.5E-01	8.4E-10	4.3E-01	5.5E-07	1.0E-03	2.5E-10	1.6E-01	5.5E-01	2.1E-11
1.8E+00	5.2E-06	1.0E-03	9.5E-09	1.6E-01	5.5E-01	8.1E-10	4.2E-01	5.5E-07	1.0E-03	2.4E-10	1.6E-01	5.5E-01	2.1E-11
1.7E+00	5.2E-06	1.0E-03	9.1E-09	1.6E-01	5.5E-01	7.9E-10	4.1E-01	5.5E-07	1.0E-03	2.4E-10	1.6E-01	5.5E-01	2.1E-11
1.6E+00	5.2E-06	1.0E-03	8.8E-09	1.6E-01	5.5E-01	7.6E-10	4.1E-01	5.5E-07	1.0E-03	2.4E-10	1.6E-01	5.5E-01	2.0E-11
1.6E+00	5.2E-06	1.0E-03	8.5E-09	1.6E-01	5.5E-01	7.3E-10	4.0E-01	5.5E-07	1.0E-03	2.3E-10	1.6E-01	5.5E-01	2.0E-11
1.5E+00	5.2E-06	1.0E-03	7.9E-09	1.6E-01	5.5E-01	6.8E-10	5.4E-01	5.5E-07	1.0E-03	3.1E-10	1.6E-01	5.5E-01	2.7E-11
1.5E+00	5.2E-06	1.0E-03	8.2E-09	1.6E-01	5.5E-01	7.1E-10	5.4E-01	5.5E-07	1.0E-03	3.1E-10	1.6E-01	5.5E-01	2.7E-11
1.6E+00	5.2E-06	1.0E-03	8.6E-09	1.6E-01	5.5E-01	7.4E-10	5.3E-01	5.5E-07	1.0E-03	3.1E-10	1.6E-01	5.5E-01	2.7E-11
1.6E+00	5.2E-06	1.0E-03	8.9E-09	1.6E-01	5.5E-01	7.7E-10	5.3E-01	5.5E-07	1.0E-03	3.1E-10	1.6E-01	5.5E-01	2.6E-11
1.7E+00	5.2E-06	1.0E-03	9.2E-09	1.6E-01	5.5E-01	7.9E-10	5.3E-01	5.5E-07	1.0E-03	3.1E-10	1.6E-01	5.5E-01	2.6E-11
1.8E+00	5.2E-06	1.0E-03	9.5E-09	1.6E-01	5.5E-01	8.2E-10	5.2E-01	5.5E-07	1.0E-03	3.0E-10	1.6E-01	5.5E-01	2.6E-11
1.8E+00	5.2E-06	1.0E-03	9.7E-09	1.6E-01	5.5E-01	8.4E-10	5.2E-01	5.5E-07	1.0E-03	3.0E-10	1.6E-01	5.5E-01	2.6E-11
1.8E+00	5.2E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-01	8.6E-10	5.1E-01	5.5E-07	1.0E-03	3.0E-10	1.6E-01	5.5E-01	2.6E-11
1.9E+00	5.2E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-01	8.7E-10	5.1E-01	5.5E-07	1.0E-03	2.9E-10	1.6E-01	5.5E-01	2.5E-11
1.9E+00	5.2E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-01	8.9E-10	5.0E-01	5.5E-07	1.0E-03	2.9E-10	1.6E-01	5.5E-01	2.5E-11
1.9E+00	5.2E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-01	9.0E-10	5.0E-01	5.5E-07	1.0E-03	2.9E-10	1.6E-01	5.5E-01	2.5E-11
1.9E+00	5.2E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-01	9.0E-10	4.9E-01	5.5E-07	1.0E-03	2.8E-10	1.6E-01	5.5E-01	2.4E-11
2.0E+00	5.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.1E-10	4.8E-01	5.5E-07	1.0E-03	2.8E-10	1.6E-01	5.5E-01	2.4E-11
2.0E+00	5.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-01	9.1E-10	4.8E-01	5.5E-07	1.0E-03	2.8E-10	1.6E-01	5.5E-01	2.4E-11
1.9E+00	5.2E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-01	9.0E-10	4.7E-01	5.5E-07	1.0E-03	2.7E-10	1.6E-01	5.5E-01	2.3E-11
1.9E+00	5.2E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-01	8.9E-10	4.6E-01	5.5E-07	1.0E-03	2.7E-10	1.6E-01	5.5E-01	2.3E-11
1.9E+00	5.2E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-01	8.8E-10	4.6E-01	5.5E-07	1.0E-03	2.6E-10	1.6E-01	5.5E-01	2.3E-11
1.9E+00	5.2E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-01	8.7E-10	4.5E-01	5.5E-07	1.0E-03	2.6E-10	1.6E-01	5.5E-01	2.2E-11
1.8E+00	5.2E-06	1.0E-03	9.9E-09	1.6E-01	5.5E-01	8.5E-10	4.4E-01	5.5E-07	1.0E-03	2.6E-10	1.6E-01	5.5E-01	2.2E-11
1.8E+00	5.2E-06	1.0E-03	9.7E-09	1.6E-01	5.5E-01	8.3E-10	4.3E-01	5.5E-07	1.0E-03	2.5E-10	1.6E-01	5.5E-01	2.2E-11
1.8E+00	5.2E-06	1.0E-03	9.4E-09	1.6E-01	5.5E-01	8.1E-10	4.3E-01	5.5E-07	1.0E-03	2.5E-10	1.6E-01	5.5E-01	2.1E-11

1.7E+00	5.2E-06	1.0E-03	9.2E-09	1.6E-01	5.5E-01	7.9E-10	4.2E-01	5.5E-07	1.0E-03	2.4E-10	1.6E-01	5.5E-01	2.1E-11
1.7E+00	5.2E-06	1.0E-03	8.9E-09	1.6E-01	5.5E-01	7.7E-10	4.1E-01	5.5E-07	1.0E-03	2.4E-10	1.6E-01	5.5E-01	2.1E-11
1.6E+00	5.2E-06	1.0E-03	8.6E-09	1.6E-01	5.5E-01	7.4E-10	4.0E-01	5.5E-07	1.0E-03	2.3E-10	1.6E-01	5.5E-01	2.0E-11
1.6E+00	5.2E-06	1.0E-03	8.4E-09	1.6E-01	5.5E-01	7.2E-10	4.0E-01	5.5E-07	1.0E-03	2.3E-10	1.6E-01	5.5E-01	2.0E-11
1.5E+00	5.2E-06	1.0E-03	8.1E-09	1.6E-01	5.5E-01	6.9E-10	3.9E-01	5.5E-07	1.0E-03	2.2E-10	1.6E-01	5.5E-01	1.9E-11
1.4E+00	5.2E-06	1.0E-03	7.4E-09	1.6E-01	5.5E-01	6.4E-10	5.2E-01	5.5E-07	1.0E-03	3.0E-10	1.6E-01	5.5E-01	2.6E-11
1.4E+00	5.2E-06	1.0E-03	7.7E-09	1.6E-01	5.5E-01	6.6E-10	5.2E-01	5.5E-07	1.0E-03	3.0E-10	1.6E-01	5.5E-01	2.6E-11
1.5E+00	5.2E-06	1.0E-03	8.0E-09	1.6E-01	5.5E-01	6.9E-10	5.2E-01	5.5E-07	1.0E-03	3.0E-10	1.6E-01	5.5E-01	2.6E-11
1.5E+00	5.2E-06	1.0E-03	8.3E-09	1.6E-01	5.5E-01	7.1E-10	5.1E-01	5.5E-07	1.0E-03	3.0E-10	1.6E-01	5.5E-01	2.6E-11
1.6E+00	5.2E-06	1.0E-03	8.5E-09	1.6E-01	5.5E-01	7.4E-10	5.1E-01	5.5E-07	1.0E-03	2.9E-10	1.6E-01	5.5E-01	2.5E-11
1.6E+00	5.2E-06	1.0E-03	8.8E-09	1.6E-01	5.5E-01	7.6E-10	5.0E-01	5.5E-07	1.0E-03	2.9E-10	1.6E-01	5.5E-01	2.5E-11
1.7E+00	5.2E-06	1.0E-03	9.0E-09	1.6E-01	5.5E-01	7.8E-10	5.0E-01	5.5E-07	1.0E-03	2.9E-10	1.6E-01	5.5E-01	2.5E-11
1.7E+00	5.2E-06	1.0E-03	9.2E-09	1.6E-01	5.5E-01	7.9E-10	5.0E-01	5.5E-07	1.0E-03	2.9E-10	1.6E-01	5.5E-01	2.5E-11
1.7E+00	5.2E-06	1.0E-03	9.4E-09	1.6E-01	5.5E-01	8.1E-10	4.9E-01	5.5E-07	1.0E-03	2.8E-10	1.6E-01	5.5E-01	2.4E-11
1.8E+00	5.2E-06	1.0E-03	9.6E-09	1.6E-01	5.5E-01	8.2E-10	4.9E-01	5.5E-07	1.0E-03	2.8E-10	1.6E-01	5.5E-01	2.4E-11
1.8E+00	5.2E-06	1.0E-03	9.7E-09	1.6E-01	5.5E-01	8.3E-10	4.8E-01	5.5E-07	1.0E-03	2.8E-10	1.6E-01	5.5E-01	2.4E-11
1.8E+00	5.2E-06	1.0E-03	9.7E-09	1.6E-01	5.5E-01	8.4E-10	4.7E-01	5.5E-07	1.0E-03	2.7E-10	1.6E-01	5.5E-01	2.4E-11
1.8E+00	5.2E-06	1.0E-03	9.8E-09	1.6E-01	5.5E-01	8.4E-10	4.7E-01	5.5E-07	1.0E-03	2.7E-10	1.6E-01	5.5E-01	2.3E-11
1.8E+00	5.2E-06	1.0E-03	9.8E-09	1.6E-01	5.5E-01	8.4E-10	4.6E-01	5.5E-07	1.0E-03	2.7E-10	1.6E-01	5.5E-01	2.3E-11
1.8E+00	5.2E-06	1.0E-03	9.7E-09	1.6E-01	5.5E-01	8.4E-10	4.6E-01	5.5E-07	1.0E-03	2.6E-10	1.6E-01	5.5E-01	2.3E-11
1.8E+00	5.2E-06	1.0E-03	9.7E-09	1.6E-01	5.5E-01	8.3E-10	4.5E-01	5.5E-07	1.0E-03	2.6E-10	1.6E-01	5.5E-01	2.2E-11
1.8E+00	5.2E-06	1.0E-03	9.6E-09	1.6E-01	5.5E-01	8.3E-10	4.4E-01	5.5E-07	1.0E-03	2.6E-10	1.6E-01	5.5E-01	2.2E-11
1.8E+00	5.2E-06	1.0E-03	9.5E-09	1.6E-01	5.5E-01	8.1E-10	4.4E-01	5.5E-07	1.0E-03	2.5E-10	1.6E-01	5.5E-01	2.2E-11
1.7E+00	5.2E-06	1.0E-03	9.3E-09	1.6E-01	5.5E-01	8.0E-10	4.3E-01	5.5E-07	1.0E-03	2.5E-10	1.6E-01	5.5E-01	2.1E-11
1.7E+00	5.2E-06	1.0E-03	9.1E-09	1.6E-01	5.5E-01	7.8E-10	4.2E-01	5.5E-07	1.0E-03	2.4E-10	1.6E-01	5.5E-01	2.1E-11
1.6E+00	5.2E-06	1.0E-03	8.9E-09	1.6E-01	5.5E-01	7.6E-10	4.1E-01	5.5E-07	1.0E-03	2.4E-10	1.6E-01	5.5E-01	2.1E-11
1.6E+00	5.2E-06	1.0E-03	8.7E-09	1.6E-01	5.5E-01	7.5E-10	4.1E-01	5.5E-07	1.0E-03	2.4E-10	1.6E-01	5.5E-01	2.0E-11
1.6E+00	5.2E-06	1.0E-03	8.4E-09	1.6E-01	5.5E-01	7.3E-10	4.0E-01	5.5E-07	1.0E-03	2.3E-10	1.6E-01	5.5E-01	2.0E-11
1.5E+00	5.2E-06	1.0E-03	8.2E-09	1.6E-01	5.5E-01	7.1E-10	3.9E-01	5.5E-07	1.0E-03	2.3E-10	1.6E-01	5.5E-01	2.0E-11
1.5E+00	5.2E-06	1.0E-03	7.9E-09	1.6E-01	5.5E-01	6.8E-10	3.9E-01	5.5E-07	1.0E-03	2.2E-10	1.6E-01	5.5E-01	1.9E-11
1.4E+00	5.2E-06	1.0E-03	7.7E-09	1.6E-01	5.5E-01	6.6E-10	3.8E-01	5.5E-07	1.0E-03	2.2E-10	1.6E-01	5.5E-01	1.9E-11

Risk From New Building AC - Mitigated Residential

Franklin School Project

Risk From New Building AC - Mitigated Residential

	0.05	Max							
						Onsite			
Receptor #	**Total/ Million**	**Total**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
1	0.00	1.2E-10	1.8E-01	1.5E-04	1.0E-03	2.8E-08	1.6E-01	2.7E-02	1.2E-10
2	0.00	1.3E-10	2.0E-01	1.5E-04	1.0E-03	3.1E-08	1.6E-01	2.7E-02	1.3E-10
3	0.00	1.4E-10	2.1E-01	1.5E-04	1.0E-03	3.3E-08	1.6E-01	2.7E-02	1.4E-10
4	0.00	1.6E-10	2.3E-01	1.5E-04	1.0E-03	3.6E-08	1.6E-01	2.7E-02	1.6E-10
5	0.00	1.7E-10	2.5E-01	1.5E-04	1.0E-03	3.9E-08	1.6E-01	2.7E-02	1.7E-10
6	0.00	1.8E-10	2.7E-01	1.5E-04	1.0E-03	4.2E-08	1.6E-01	2.7E-02	1.8E-10
7	0.00	1.9E-10	2.9E-01	1.5E-04	1.0E-03	4.5E-08	1.6E-01	2.7E-02	1.9E-10
8	0.00	2.0E-10	3.0E-01	1.5E-04	1.0E-03	4.7E-08	1.6E-01	2.7E-02	2.0E-10
9	0.00	2.1E-10	3.2E-01	1.5E-04	1.0E-03	5.0E-08	1.6E-01	2.7E-02	2.1E-10
10	0.00	2.2E-10	3.3E-01	1.5E-04	1.0E-03	5.2E-08	1.6E-01	2.7E-02	2.2E-10
11	0.00	2.4E-10	3.5E-01	1.5E-04	1.0E-03	5.6E-08	1.6E-01	2.7E-02	2.4E-10
12	0.00	2.6E-10	3.8E-01	1.5E-04	1.0E-03	6.0E-08	1.6E-01	2.7E-02	2.6E-10
13	0.00	2.7E-10	4.0E-01	1.5E-04	1.0E-03	6.3E-08	1.6E-01	2.7E-02	2.7E-10
14	0.00	2.9E-10	4.2E-01	1.5E-04	1.0E-03	6.6E-08	1.6E-01	2.7E-02	2.9E-10
15	0.00	3.0E-10	4.4E-01	1.5E-04	1.0E-03	6.9E-08	1.6E-01	2.7E-02	3.0E-10
16	0.00	3.0E-10	4.5E-01	1.5E-04	1.0E-03	7.1E-08	1.6E-01	2.7E-02	3.0E-10
17	0.00	1.4E-10	2.0E-01	1.5E-04	1.0E-03	3.1E-08	1.6E-01	2.7E-02	1.4E-10
18	0.00	1.5E-10	2.2E-01	1.5E-04	1.0E-03	3.5E-08	1.6E-01	2.7E-02	1.5E-10
19	0.00	1.7E-10	2.4E-01	1.5E-04	1.0E-03	3.8E-08	1.6E-01	2.7E-02	1.7E-10
20	0.00	1.8E-10	2.7E-01	1.5E-04	1.0E-03	4.2E-08	1.6E-01	2.7E-02	1.8E-10
21	0.00	2.0E-10	2.9E-01	1.5E-04	1.0E-03	4.6E-08	1.6E-01	2.7E-02	2.0E-10
22	0.00	2.1E-10	3.2E-01	1.5E-04	1.0E-03	5.0E-08	1.6E-01	2.7E-02	2.1E-10
23	0.00	2.3E-10	3.4E-01	1.5E-04	1.0E-03	5.4E-08	1.6E-01	2.7E-02	2.3E-10
24	0.00	2.5E-10	3.6E-01	1.5E-04	1.0E-03	5.7E-08	1.6E-01	2.7E-02	2.5E-10
25	0.00	2.6E-10	3.9E-01	1.5E-04	1.0E-03	6.1E-08	1.6E-01	2.7E-02	2.6E-10
26	0.00	2.8E-10	4.1E-01	1.5E-04	1.0E-03	6.4E-08	1.6E-01	2.7E-02	2.8E-10
27	0.00	3.0E-10	4.4E-01	1.5E-04	1.0E-03	6.9E-08	1.6E-01	2.7E-02	3.0E-10
28	0.00	3.2E-10	4.8E-01	1.5E-04	1.0E-03	7.5E-08	1.6E-01	2.7E-02	3.2E-10
29	0.00	3.4E-10	5.1E-01	1.5E-04	1.0E-03	8.0E-08	1.6E-01	2.7E-02	3.4E-10
30	0.00	3.6E-10	5.3E-01	1.5E-04	1.0E-03	8.4E-08	1.6E-01	2.7E-02	3.6E-10
31	0.00	3.7E-10	5.5E-01	1.5E-04	1.0E-03	8.7E-08	1.6E-01	2.7E-02	3.7E-10
32	0.00	3.8E-10	5.6E-01	1.5E-04	1.0E-03	8.8E-08	1.6E-01	2.7E-02	3.8E-10
33	0.00	1.5E-10	2.2E-01	1.5E-04	1.0E-03	3.5E-08	1.6E-01	2.7E-02	1.5E-10
34	0.00	1.7E-10	2.5E-01	1.5E-04	1.0E-03	3.9E-08	1.6E-01	2.7E-02	1.7E-10
35	0.00	1.9E-10	2.8E-01	1.5E-04	1.0E-03	4.4E-08	1.6E-01	2.7E-02	1.9E-10
36	0.00	2.1E-10	3.1E-01	1.5E-04	1.0E-03	4.9E-08	1.6E-01	2.7E-02	2.1E-10
37	0.00	2.4E-10	3.5E-01	1.5E-04	1.0E-03	5.5E-08	1.6E-01	2.7E-02	2.4E-10
38	0.00	2.6E-10	3.8E-01	1.5E-04	1.0E-03	6.0E-08	1.6E-01	2.7E-02	2.6E-10
39	0.00	2.8E-10	4.2E-01	1.5E-04	1.0E-03	6.6E-08	1.6E-01	2.7E-02	2.8E-10

40	0.00	3.0E-10	4.5E-01	1.5E-04	1.0E-03	7.1E-08	1.6E-01	2.7E-02	3.0E-10
41	0.00	3.3E-10	4.8E-01	1.5E-04	1.0E-03	7.6E-08	1.6E-01	2.7E-02	3.3E-10
42	0.00	3.5E-10	5.2E-01	1.5E-04	1.0E-03	8.1E-08	1.6E-01	2.7E-02	3.5E-10
43	0.00	3.9E-10	5.7E-01	1.5E-04	1.0E-03	9.0E-08	1.6E-01	2.7E-02	3.9E-10
44	0.00	4.2E-10	6.2E-01	1.5E-04	1.0E-03	9.7E-08	1.6E-01	2.7E-02	4.2E-10
45	0.00	4.5E-10	6.6E-01	1.5E-04	1.0E-03	1.0E-07	1.6E-01	2.7E-02	4.5E-10
46	0.00	4.7E-10	6.9E-01	1.5E-04	1.0E-03	1.1E-07	1.6E-01	2.7E-02	4.7E-10
47	0.00	4.8E-10	7.1E-01	1.5E-04	1.0E-03	1.1E-07	1.6E-01	2.7E-02	4.8E-10
48	0.00	4.7E-10	7.0E-01	1.5E-04	1.0E-03	1.1E-07	1.6E-01	2.7E-02	4.7E-10
49	0.00	1.7E-10	2.5E-01	1.5E-04	1.0E-03	3.9E-08	1.6E-01	2.7E-02	1.7E-10
50	0.00	1.9E-10	2.9E-01	1.5E-04	1.0E-03	4.5E-08	1.6E-01	2.7E-02	1.9E-10
51	0.00	2.2E-10	3.3E-01	1.5E-04	1.0E-03	5.1E-08	1.6E-01	2.7E-02	2.2E-10
52	0.00	2.5E-10	3.7E-01	1.5E-04	1.0E-03	5.8E-08	1.6E-01	2.7E-02	2.5E-10
53	0.00	2.8E-10	4.2E-01	1.5E-04	1.0E-03	6.6E-08	1.6E-01	2.7E-02	2.8E-10
54	0.00	3.2E-10	4.7E-01	1.5E-04	1.0E-03	7.4E-08	1.6E-01	2.7E-02	3.2E-10
55	0.00	3.5E-10	5.2E-01	1.5E-04	1.0E-03	8.2E-08	1.6E-01	2.7E-02	3.5E-10
56	0.00	3.9E-10	5.7E-01	1.5E-04	1.0E-03	8.9E-08	1.6E-01	2.7E-02	3.9E-10
57	0.00	4.2E-10	6.2E-01	1.5E-04	1.0E-03	9.7E-08	1.6E-01	2.7E-02	4.2E-10
58	0.00	4.6E-10	6.8E-01	1.5E-04	1.0E-03	1.1E-07	1.6E-01	2.7E-02	4.6E-10
59	0.00	5.2E-10	7.7E-01	1.5E-04	1.0E-03	1.2E-07	1.6E-01	2.7E-02	5.2E-10
60	0.00	5.6E-10	8.3E-01	1.5E-04	1.0E-03	1.3E-07	1.6E-01	2.7E-02	5.6E-10
61	0.00	6.0E-10	8.9E-01	1.5E-04	1.0E-03	1.4E-07	1.6E-01	2.7E-02	6.0E-10
62	0.00	6.2E-10	9.1E-01	1.5E-04	1.0E-03	1.4E-07	1.6E-01	2.7E-02	6.2E-10
63	0.00	6.2E-10	9.1E-01	1.5E-04	1.0E-03	1.4E-07	1.6E-01	2.7E-02	6.2E-10
64	0.00	6.0E-10	8.8E-01	1.5E-04	1.0E-03	1.4E-07	1.6E-01	2.7E-02	6.0E-10
65	0.00	1.9E-10	2.8E-01	1.5E-04	1.0E-03	4.4E-08	1.6E-01	2.7E-02	1.9E-10
66	0.00	2.2E-10	3.3E-01	1.5E-04	1.0E-03	5.1E-08	1.6E-01	2.7E-02	2.2E-10
67	0.00	2.6E-10	3.8E-01	1.5E-04	1.0E-03	6.0E-08	1.6E-01	2.7E-02	2.6E-10
68	0.00	3.0E-10	4.4E-01	1.5E-04	1.0E-03	7.0E-08	1.6E-01	2.7E-02	3.0E-10
69	0.00	3.5E-10	5.2E-01	1.5E-04	1.0E-03	8.1E-08	1.6E-01	2.7E-02	3.5E-10
70	0.00	4.0E-10	6.0E-01	1.5E-04	1.0E-03	9.4E-08	1.6E-01	2.7E-02	4.0E-10
71	0.00	4.6E-10	6.8E-01	1.5E-04	1.0E-03	1.1E-07	1.6E-01	2.7E-02	4.6E-10
72	0.00	5.1E-10	7.5E-01	1.5E-04	1.0E-03	1.2E-07	1.6E-01	2.7E-02	5.1E-10
73	0.00	5.6E-10	8.4E-01	1.5E-04	1.0E-03	1.3E-07	1.6E-01	2.7E-02	5.6E-10
74	0.00	6.5E-10	9.5E-01	1.5E-04	1.0E-03	1.5E-07	1.6E-01	2.7E-02	6.5E-10
75	0.00	7.2E-10	1.1E+00	1.5E-04	1.0E-03	1.7E-07	1.6E-01	2.7E-02	7.2E-10
76	0.00	7.9E-10	1.2E+00	1.5E-04	1.0E-03	1.8E-07	1.6E-01	2.7E-02	7.9E-10
77	0.00	8.3E-10	1.2E+00	1.5E-04	1.0E-03	1.9E-07	1.6E-01	2.7E-02	8.3E-10
78	0.00	8.3E-10	1.2E+00	1.5E-04	1.0E-03	1.9E-07	1.6E-01	2.7E-02	8.3E-10
79	0.00	8.0E-10	1.2E+00	1.5E-04	1.0E-03	1.9E-07	1.6E-01	2.7E-02	8.0E-10
80	0.00	7.4E-10	1.1E+00	1.5E-04	1.0E-03	1.7E-07	1.6E-01	2.7E-02	7.4E-10
81	0.00	2.1E-10	3.1E-01	1.5E-04	1.0E-03	4.9E-08	1.6E-01	2.7E-02	2.1E-10
82	0.00	2.5E-10	3.7E-01	1.5E-04	1.0E-03	5.8E-08	1.6E-01	2.7E-02	2.5E-10
83	0.00	3.0E-10	4.5E-01	1.5E-04	1.0E-03	7.0E-08	1.6E-01	2.7E-02	3.0E-10
84	0.00	3.6E-10	5.4E-01	1.5E-04	1.0E-03	8.4E-08	1.6E-01	2.7E-02	3.6E-10
85	0.00	4.4E-10	6.5E-01	1.5E-04	1.0E-03	1.0E-07	1.6E-01	2.7E-02	4.4E-10

86	0.00	5.2E-10	7.7E-01	1.5E-04	1.0E-03	1.2E-07	1.6E-01	2.7E-02	5.2E-10
87	0.00	6.2E-10	9.1E-01	1.5E-04	1.0E-03	1.4E-07	1.6E-01	2.7E-02	6.2E-10
88	0.00	7.1E-10	1.1E+00	1.5E-04	1.0E-03	1.7E-07	1.6E-01	2.7E-02	7.1E-10
89	0.00	8.1E-10	1.2E+00	1.5E-04	1.0E-03	1.9E-07	1.6E-01	2.7E-02	8.1E-10
90	0.00	9.6E-10	1.4E+00	1.5E-04	1.0E-03	2.2E-07	1.6E-01	2.7E-02	9.6E-10
91	0.00	1.1E-09	1.6E+00	1.5E-04	1.0E-03	2.5E-07	1.6E-01	2.7E-02	1.1E-09
92	0.00	1.2E-09	1.7E+00	1.5E-04	1.0E-03	2.7E-07	1.6E-01	2.7E-02	1.2E-09
93	0.00	1.2E-09	1.7E+00	1.5E-04	1.0E-03	2.7E-07	1.6E-01	2.7E-02	1.2E-09
94	0.00	1.1E-09	1.7E+00	1.5E-04	1.0E-03	2.6E-07	1.6E-01	2.7E-02	1.1E-09
95	0.00	1.0E-09	1.5E+00	1.5E-04	1.0E-03	2.4E-07	1.6E-01	2.7E-02	1.0E-09
96	0.00	9.0E-10	1.3E+00	1.5E-04	1.0E-03	2.1E-07	1.6E-01	2.7E-02	9.0E-10
97	0.00	2.4E-10	3.5E-01	1.5E-04	1.0E-03	5.5E-08	1.6E-01	2.7E-02	2.4E-10
98	0.00	2.8E-10	4.2E-01	1.5E-04	1.0E-03	6.6E-08	1.6E-01	2.7E-02	2.8E-10
99	0.00	3.5E-10	5.2E-01	1.5E-04	1.0E-03	8.2E-08	1.6E-01	2.7E-02	3.5E-10
100	0.00	4.4E-10	6.5E-01	1.5E-04	1.0E-03	1.0E-07	1.6E-01	2.7E-02	4.4E-10
101	0.00	5.5E-10	8.2E-01	1.5E-04	1.0E-03	1.3E-07	1.6E-01	2.7E-02	5.5E-10
102	0.00	7.0E-10	1.0E+00	1.5E-04	1.0E-03	1.6E-07	1.6E-01	2.7E-02	7.0E-10
103	0.00	8.7E-10	1.3E+00	1.5E-04	1.0E-03	2.0E-07	1.6E-01	2.7E-02	8.7E-10
104	0.00	1.1E-09	1.6E+00	1.5E-04	1.0E-03	2.5E-07	1.6E-01	2.7E-02	1.1E-09
105	0.00	1.3E-09	1.9E+00	1.5E-04	1.0E-03	2.9E-07	1.6E-01	2.7E-02	1.3E-09
106	0.00	1.5E-09	2.3E+00	1.5E-04	1.0E-03	3.6E-07	1.6E-01	2.7E-02	1.5E-09
107	0.00	1.7E-09	2.6E+00	1.5E-04	1.0E-03	4.0E-07	1.6E-01	2.7E-02	1.7E-09
108	0.00	1.8E-09	2.7E+00	1.5E-04	1.0E-03	4.2E-07	1.6E-01	2.7E-02	1.8E-09
109	0.00	1.7E-09	2.5E+00	1.5E-04	1.0E-03	3.9E-07	1.6E-01	2.7E-02	1.7E-09
110	0.00	1.5E-09	2.2E+00	1.5E-04	1.0E-03	3.4E-07	1.6E-01	2.7E-02	1.5E-09
111	0.00	1.3E-09	1.9E+00	1.5E-04	1.0E-03	2.9E-07	1.6E-01	2.7E-02	1.3E-09
112	0.00	1.0E-09	1.6E+00	1.5E-04	1.0E-03	2.4E-07	1.6E-01	2.7E-02	1.0E-09
113	0.00	2.6E-10	3.8E-01	1.5E-04	1.0E-03	6.0E-08	1.6E-01	2.7E-02	2.6E-10
114	0.00	3.2E-10	4.7E-01	1.5E-04	1.0E-03	7.4E-08	1.6E-01	2.7E-02	3.2E-10
115	0.00	4.1E-10	6.0E-01	1.5E-04	1.0E-03	9.4E-08	1.6E-01	2.7E-02	4.1E-10
116	0.00	5.3E-10	7.8E-01	1.5E-04	1.0E-03	1.2E-07	1.6E-01	2.7E-02	5.3E-10
117	0.00	7.1E-10	1.0E+00	1.5E-04	1.0E-03	1.6E-07	1.6E-01	2.7E-02	7.1E-10
118	0.00	2.9E-09	4.2E+00	1.5E-04	1.0E-03	6.6E-07	1.6E-01	2.7E-02	2.9E-09
119	0.00	3.1E-09	4.5E+00	1.5E-04	1.0E-03	7.1E-07	1.6E-01	2.7E-02	3.1E-09
120	0.00	2.8E-09	4.2E+00	1.5E-04	1.0E-03	6.5E-07	1.6E-01	2.7E-02	2.8E-09
121	0.00	2.3E-09	3.5E+00	1.5E-04	1.0E-03	5.4E-07	1.6E-01	2.7E-02	2.3E-09
122	0.00	1.9E-09	2.8E+00	1.5E-04	1.0E-03	4.3E-07	1.6E-01	2.7E-02	1.9E-09
123	0.00	1.5E-09	2.2E+00	1.5E-04	1.0E-03	3.4E-07	1.6E-01	2.7E-02	1.5E-09
124	0.00	1.2E-09	1.7E+00	1.5E-04	1.0E-03	2.7E-07	1.6E-01	2.7E-02	1.2E-09
125	0.00	2.8E-10	4.1E-01	1.5E-04	1.0E-03	6.4E-08	1.6E-01	2.7E-02	2.8E-10
126	0.00	3.5E-10	5.2E-01	1.5E-04	1.0E-03	8.1E-08	1.6E-01	2.7E-02	3.5E-10
127	0.00	4.6E-10	6.8E-01	1.5E-04	1.0E-03	1.1E-07	1.6E-01	2.7E-02	4.6E-10
128	0.00	6.2E-10	9.2E-01	1.5E-04	1.0E-03	1.4E-07	1.6E-01	2.7E-02	6.2E-10
129	0.00	8.8E-10	1.3E+00	1.5E-04	1.0E-03	2.0E-07	1.6E-01	2.7E-02	8.8E-10
130	0.01	6.3E-09	9.4E+00	1.5E-04	1.0E-03	1.5E-06	1.6E-01	2.7E-02	6.3E-09
131	0.01	5.6E-09	8.3E+00	1.5E-04	1.0E-03	1.3E-06	1.6E-01	2.7E-02	5.6E-09

132	0.00	4.2E-09	6.1E+00	1.5E-04	1.0E-03	9.6E-07	1.6E-01	2.7E-02	4.2E-09
133	0.00	3.0E-09	4.4E+00	1.5E-04	1.0E-03	6.9E-07	1.6E-01	2.7E-02	3.0E-09
134	0.00	2.1E-09	3.1E+00	1.5E-04	1.0E-03	4.9E-07	1.6E-01	2.7E-02	2.1E-09
135	0.00	1.6E-09	2.3E+00	1.5E-04	1.0E-03	3.6E-07	1.6E-01	2.7E-02	1.6E-09
136	0.00	1.2E-09	1.7E+00	1.5E-04	1.0E-03	2.7E-07	1.6E-01	2.7E-02	1.2E-09
137	0.00	2.9E-10	4.3E-01	1.5E-04	1.0E-03	6.7E-08	1.6E-01	2.7E-02	2.9E-10
138	0.00	3.7E-10	5.5E-01	1.5E-04	1.0E-03	8.6E-08	1.6E-01	2.7E-02	3.7E-10
139	0.00	4.9E-10	7.3E-01	1.5E-04	1.0E-03	1.1E-07	1.6E-01	2.7E-02	4.9E-10
140	0.00	7.0E-10	1.0E+00	1.5E-04	1.0E-03	1.6E-07	1.6E-01	2.7E-02	7.0E-10
141	0.00	1.0E-09	1.5E+00	1.5E-04	1.0E-03	2.4E-07	1.6E-01	2.7E-02	1.0E-09
142	0.02	1.6E-08	2.3E+01	1.5E-04	1.0E-03	3.7E-06	1.6E-01	2.7E-02	1.6E-08
143	0.01	9.1E-09	1.3E+01	1.5E-04	1.0E-03	2.1E-06	1.6E-01	2.7E-02	9.1E-09
144	0.01	5.2E-09	7.7E+00	1.5E-04	1.0E-03	1.2E-06	1.6E-01	2.7E-02	5.2E-09
145	0.00	3.3E-09	4.8E+00	1.5E-04	1.0E-03	7.6E-07	1.6E-01	2.7E-02	3.3E-09
146	0.00	2.1E-09	3.2E+00	1.5E-04	1.0E-03	5.0E-07	1.6E-01	2.7E-02	2.1E-09
147	0.00	1.5E-09	2.2E+00	1.5E-04	1.0E-03	3.5E-07	1.6E-01	2.7E-02	1.5E-09
148	0.00	1.1E-09	1.6E+00	1.5E-04	1.0E-03	2.6E-07	1.6E-01	2.7E-02	1.1E-09
149	0.00	2.9E-10	4.4E-01	1.5E-04	1.0E-03	6.8E-08	1.6E-01	2.7E-02	2.9E-10
150	0.00	3.8E-10	5.6E-01	1.5E-04	1.0E-03	8.8E-08	1.6E-01	2.7E-02	3.8E-10
151	0.00	5.1E-10	7.6E-01	1.5E-04	1.0E-03	1.2E-07	1.6E-01	2.7E-02	5.1E-10
152	0.00	7.3E-10	1.1E+00	1.5E-04	1.0E-03	1.7E-07	1.6E-01	2.7E-02	7.3E-10
153	0.00	1.1E-09	1.7E+00	1.5E-04	1.0E-03	2.6E-07	1.6E-01	2.7E-02	1.1E-09
154	0.04	3.8E-08	5.6E+01	1.5E-04	1.0E-03	8.8E-06	1.6E-01	2.7E-02	3.8E-08
155	0.01	1.0E-08	1.5E+01	1.5E-04	1.0E-03	2.4E-06	1.6E-01	2.7E-02	1.0E-08
156	0.00	4.7E-09	7.0E+00	1.5E-04	1.0E-03	1.1E-06	1.6E-01	2.7E-02	4.7E-09
157	0.00	2.9E-09	4.3E+00	1.5E-04	1.0E-03	6.8E-07	1.6E-01	2.7E-02	2.9E-09
158	0.00	1.9E-09	2.8E+00	1.5E-04	1.0E-03	4.4E-07	1.6E-01	2.7E-02	1.9E-09
159	0.00	1.3E-09	1.9E+00	1.5E-04	1.0E-03	3.0E-07	1.6E-01	2.7E-02	1.3E-09
160	0.00	9.6E-10	1.4E+00	1.5E-04	1.0E-03	2.2E-07	1.6E-01	2.7E-02	9.6E-10
161	0.00	2.6E-10	3.9E-01	1.5E-04	1.0E-03	6.1E-08	1.6E-01	2.7E-02	2.6E-10
162	0.00	3.5E-10	5.1E-01	1.5E-04	1.0E-03	8.0E-08	1.6E-01	2.7E-02	3.5E-10
163	0.00	4.7E-10	6.9E-01	1.5E-04	1.0E-03	1.1E-07	1.6E-01	2.7E-02	4.7E-10
164	0.00	6.9E-10	1.0E+00	1.5E-04	1.0E-03	1.6E-07	1.6E-01	2.7E-02	6.9E-10
165	0.00	1.1E-09	1.6E+00	1.5E-04	1.0E-03	2.5E-07	1.6E-01	2.7E-02	1.1E-09
166	0.00	1.9E-09	2.8E+00	1.5E-04	1.0E-03	4.4E-07	1.6E-01	2.7E-02	1.9E-09
167	0.00	4.3E-09	6.3E+00	1.5E-04	1.0E-03	9.9E-07	1.6E-01	2.7E-02	4.3E-09
168	0.01	1.5E-08	2.2E+01	1.5E-04	1.0E-03	3.4E-06	1.6E-01	2.7E-02	1.5E-08
169	0.03	3.0E-08	4.5E+01	1.5E-04	1.0E-03	7.1E-06	1.6E-01	2.7E-02	3.0E-08
170	0.02	1.7E-08	2.5E+01	1.5E-04	1.0E-03	3.9E-06	1.6E-01	2.7E-02	1.7E-08
171	0.01	7.2E-09	1.1E+01	1.5E-04	1.0E-03	1.7E-06	1.6E-01	2.7E-02	7.2E-09
172	0.00	3.4E-09	5.1E+00	1.5E-04	1.0E-03	8.0E-07	1.6E-01	2.7E-02	3.4E-09
173	0.00	2.1E-09	3.2E+00	1.5E-04	1.0E-03	5.0E-07	1.6E-01	2.7E-02	2.1E-09
174	0.00	1.5E-09	2.3E+00	1.5E-04	1.0E-03	3.6E-07	1.6E-01	2.7E-02	1.5E-09
175	0.00	1.1E-09	1.6E+00	1.5E-04	1.0E-03	2.5E-07	1.6E-01	2.7E-02	1.1E-09
176	0.00	8.1E-10	1.2E+00	1.5E-04	1.0E-03	1.9E-07	1.6E-01	2.7E-02	8.1E-10
177	0.00	2.5E-10	3.7E-01	1.5E-04	1.0E-03	5.8E-08	1.6E-01	2.7E-02	2.5E-10

178	0.00	3.2E-10	4.7E-01	1.5E-04	1.0E-03	7.5E-08	1.6E-01	2.7E-02	3.2E-10
179	0.00	4.1E-10	6.1E-01	1.5E-04	1.0E-03	9.6E-08	1.6E-01	2.7E-02	4.1E-10
180	0.00	6.4E-10	9.5E-01	1.5E-04	1.0E-03	1.5E-07	1.6E-01	2.7E-02	6.4E-10
181	0.00	9.5E-10	1.4E+00	1.5E-04	1.0E-03	2.2E-07	1.6E-01	2.7E-02	9.5E-10
182	0.00	1.5E-09	2.2E+00	1.5E-04	1.0E-03	3.5E-07	1.6E-01	2.7E-02	1.5E-09
183	0.00	2.8E-09	4.1E+00	1.5E-04	1.0E-03	6.4E-07	1.6E-01	2.7E-02	2.8E-09
184	0.01	5.3E-09	7.8E+00	1.5E-04	1.0E-03	1.2E-06	1.6E-01	2.7E-02	5.3E-09
185	0.01	7.8E-09	1.2E+01	1.5E-04	1.0E-03	1.8E-06	1.6E-01	2.7E-02	7.8E-09
186	0.01	6.7E-09	1.0E+01	1.5E-04	1.0E-03	1.6E-06	1.6E-01	2.7E-02	6.7E-09
187	0.00	4.3E-09	6.4E+00	1.5E-04	1.0E-03	1.0E-06	1.6E-01	2.7E-02	4.3E-09
188	0.00	2.7E-09	4.0E+00	1.5E-04	1.0E-03	6.3E-07	1.6E-01	2.7E-02	2.7E-09
189	0.00	1.6E-09	2.4E+00	1.5E-04	1.0E-03	3.8E-07	1.6E-01	2.7E-02	1.6E-09
190	0.00	1.2E-09	1.8E+00	1.5E-04	1.0E-03	2.9E-07	1.6E-01	2.7E-02	1.2E-09
191	0.00	9.2E-10	1.4E+00	1.5E-04	1.0E-03	2.1E-07	1.6E-01	2.7E-02	9.2E-10
192	0.00	7.0E-10	1.0E+00	1.5E-04	1.0E-03	1.6E-07	1.6E-01	2.7E-02	7.0E-10
193	0.00	2.5E-10	3.7E-01	1.5E-04	1.0E-03	5.7E-08	1.6E-01	2.7E-02	2.5E-10
194	0.00	3.2E-10	4.7E-01	1.5E-04	1.0E-03	7.4E-08	1.6E-01	2.7E-02	3.2E-10
195	0.00	4.2E-10	6.2E-01	1.5E-04	1.0E-03	9.8E-08	1.6E-01	2.7E-02	4.2E-10
196	0.00	5.6E-10	8.3E-01	1.5E-04	1.0E-03	1.3E-07	1.6E-01	2.7E-02	5.6E-10
197	0.00	7.7E-10	1.1E+00	1.5E-04	1.0E-03	1.8E-07	1.6E-01	2.7E-02	7.7E-10
198	0.00	1.1E-09	1.7E+00	1.5E-04	1.0E-03	2.7E-07	1.6E-01	2.7E-02	1.1E-09
199	0.00	1.8E-09	2.7E+00	1.5E-04	1.0E-03	4.2E-07	1.6E-01	2.7E-02	1.8E-09
200	0.00	2.7E-09	4.0E+00	1.5E-04	1.0E-03	6.3E-07	1.6E-01	2.7E-02	2.7E-09
201	0.00	3.5E-09	5.2E+00	1.5E-04	1.0E-03	8.1E-07	1.6E-01	2.7E-02	3.5E-09
202	0.00	3.4E-09	5.0E+00	1.5E-04	1.0E-03	7.8E-07	1.6E-01	2.7E-02	3.4E-09
203	0.00	2.5E-09	3.7E+00	1.5E-04	1.0E-03	5.9E-07	1.6E-01	2.7E-02	2.5E-09
204	0.00	1.9E-09	2.8E+00	1.5E-04	1.0E-03	4.3E-07	1.6E-01	2.7E-02	1.9E-09
205	0.00	1.3E-09	2.0E+00	1.5E-04	1.0E-03	3.1E-07	1.6E-01	2.7E-02	1.3E-09
206	0.00	9.6E-10	1.4E+00	1.5E-04	1.0E-03	2.2E-07	1.6E-01	2.7E-02	9.6E-10
207	0.00	7.9E-10	1.2E+00	1.5E-04	1.0E-03	1.8E-07	1.6E-01	2.7E-02	7.9E-10
208	0.00	6.1E-10	9.1E-01	1.5E-04	1.0E-03	1.4E-07	1.6E-01	2.7E-02	6.1E-10
209	0.00	2.4E-10	3.6E-01	1.5E-04	1.0E-03	5.6E-08	1.6E-01	2.7E-02	2.4E-10
210	0.00	3.0E-10	4.4E-01	1.5E-04	1.0E-03	6.9E-08	1.6E-01	2.7E-02	3.0E-10
211	0.00	3.7E-10	5.5E-01	1.5E-04	1.0E-03	8.6E-08	1.6E-01	2.7E-02	3.7E-10
212	0.00	4.7E-10	7.0E-01	1.5E-04	1.0E-03	1.1E-07	1.6E-01	2.7E-02	4.7E-10
213	0.00	6.3E-10	9.3E-01	1.5E-04	1.0E-03	1.5E-07	1.6E-01	2.7E-02	6.3E-10
214	0.00	8.7E-10	1.3E+00	1.5E-04	1.0E-03	2.0E-07	1.6E-01	2.7E-02	8.7E-10
215	0.00	1.2E-09	1.8E+00	1.5E-04	1.0E-03	2.9E-07	1.6E-01	2.7E-02	1.2E-09
216	0.00	1.7E-09	2.4E+00	1.5E-04	1.0E-03	3.8E-07	1.6E-01	2.7E-02	1.7E-09
217	0.00	2.0E-09	2.9E+00	1.5E-04	1.0E-03	4.6E-07	1.6E-01	2.7E-02	2.0E-09
218	0.00	2.0E-09	3.0E+00	1.5E-04	1.0E-03	4.6E-07	1.6E-01	2.7E-02	2.0E-09
219	0.00	1.8E-09	2.7E+00	1.5E-04	1.0E-03	4.2E-07	1.6E-01	2.7E-02	1.8E-09
220	0.00	1.5E-09	2.2E+00	1.5E-04	1.0E-03	3.4E-07	1.6E-01	2.7E-02	1.5E-09
221	0.00	1.2E-09	1.7E+00	1.5E-04	1.0E-03	2.7E-07	1.6E-01	2.7E-02	1.2E-09
222	0.00	8.1E-10	1.2E+00	1.5E-04	1.0E-03	1.9E-07	1.6E-01	2.7E-02	8.1E-10
223	0.00	6.3E-10	9.4E-01	1.5E-04	1.0E-03	1.5E-07	1.6E-01	2.7E-02	6.3E-10

224	0.00	5.5E-10	8.1E-01	1.5E-04	1.0E-03	1.3E-07	1.6E-01	2.7E-02	5.5E-10
225	0.00	2.2E-10	3.3E-01	1.5E-04	1.0E-03	5.1E-08	1.6E-01	2.7E-02	2.2E-10
226	0.00	2.6E-10	3.9E-01	1.5E-04	1.0E-03	6.2E-08	1.6E-01	2.7E-02	2.6E-10
227	0.00	3.2E-10	4.8E-01	1.5E-04	1.0E-03	7.5E-08	1.6E-01	2.7E-02	3.2E-10
228	0.00	4.0E-10	5.9E-01	1.5E-04	1.0E-03	9.3E-08	1.6E-01	2.7E-02	4.0E-10
229	0.00	5.1E-10	7.6E-01	1.5E-04	1.0E-03	1.2E-07	1.6E-01	2.7E-02	5.1E-10
230	0.00	6.8E-10	1.0E+00	1.5E-04	1.0E-03	1.6E-07	1.6E-01	2.7E-02	6.8E-10
231	0.00	8.8E-10	1.3E+00	1.5E-04	1.0E-03	2.1E-07	1.6E-01	2.7E-02	8.8E-10
232	0.00	1.1E-09	1.6E+00	1.5E-04	1.0E-03	2.6E-07	1.6E-01	2.7E-02	1.1E-09
233	0.00	1.3E-09	1.9E+00	1.5E-04	1.0E-03	3.0E-07	1.6E-01	2.7E-02	1.3E-09
234	0.00	1.3E-09	2.0E+00	1.5E-04	1.0E-03	3.1E-07	1.6E-01	2.7E-02	1.3E-09
235	0.00	1.3E-09	1.9E+00	1.5E-04	1.0E-03	3.0E-07	1.6E-01	2.7E-02	1.3E-09
236	0.00	1.1E-09	1.6E+00	1.5E-04	1.0E-03	2.6E-07	1.6E-01	2.7E-02	1.1E-09
237	0.00	9.2E-10	1.4E+00	1.5E-04	1.0E-03	2.1E-07	1.6E-01	2.7E-02	9.2E-10
238	0.00	7.5E-10	1.1E+00	1.5E-04	1.0E-03	1.7E-07	1.6E-01	2.7E-02	7.5E-10
239	0.00	5.5E-10	8.2E-01	1.5E-04	1.0E-03	1.3E-07	1.6E-01	2.7E-02	5.5E-10
240	0.00	4.5E-10	6.7E-01	1.5E-04	1.0E-03	1.1E-07	1.6E-01	2.7E-02	4.5E-10
241	0.00	2.0E-10	2.9E-01	1.5E-04	1.0E-03	4.6E-08	1.6E-01	2.7E-02	2.0E-10
242	0.00	2.3E-10	3.5E-01	1.5E-04	1.0E-03	5.4E-08	1.6E-01	2.7E-02	2.3E-10
243	0.00	2.8E-10	4.1E-01	1.5E-04	1.0E-03	6.5E-08	1.6E-01	2.7E-02	2.8E-10
244	0.00	3.4E-10	5.0E-01	1.5E-04	1.0E-03	7.8E-08	1.6E-01	2.7E-02	3.4E-10
245	0.00	4.2E-10	6.2E-01	1.5E-04	1.0E-03	9.8E-08	1.6E-01	2.7E-02	4.2E-10
246	0.00	5.3E-10	7.8E-01	1.5E-04	1.0E-03	1.2E-07	1.6E-01	2.7E-02	5.3E-10
247	0.00	6.6E-10	9.8E-01	1.5E-04	1.0E-03	1.5E-07	1.6E-01	2.7E-02	6.6E-10
248	0.00	8.0E-10	1.2E+00	1.5E-04	1.0E-03	1.8E-07	1.6E-01	2.7E-02	8.0E-10
249	0.00	9.0E-10	1.3E+00	1.5E-04	1.0E-03	2.1E-07	1.6E-01	2.7E-02	9.0E-10
250	0.00	9.4E-10	1.4E+00	1.5E-04	1.0E-03	2.2E-07	1.6E-01	2.7E-02	9.4E-10
251	0.00	9.2E-10	1.4E+00	1.5E-04	1.0E-03	2.1E-07	1.6E-01	2.7E-02	9.2E-10
252	0.00	8.5E-10	1.3E+00	1.5E-04	1.0E-03	2.0E-07	1.6E-01	2.7E-02	8.5E-10
253	0.00	7.4E-10	1.1E+00	1.5E-04	1.0E-03	1.7E-07	1.6E-01	2.7E-02	7.4E-10
254	0.00	6.3E-10	9.3E-01	1.5E-04	1.0E-03	1.5E-07	1.6E-01	2.7E-02	6.3E-10
255	0.00	5.2E-10	7.7E-01	1.5E-04	1.0E-03	1.2E-07	1.6E-01	2.7E-02	5.2E-10
256	0.00	4.0E-10	6.0E-01	1.5E-04	1.0E-03	9.3E-08	1.6E-01	2.7E-02	4.0E-10
257	0.00	1.8E-10	2.6E-01	1.5E-04	1.0E-03	4.1E-08	1.6E-01	2.7E-02	1.8E-10
258	0.00	2.1E-10	3.1E-01	1.5E-04	1.0E-03	4.8E-08	1.6E-01	2.7E-02	2.1E-10
259	0.00	2.4E-10	3.6E-01	1.5E-04	1.0E-03	5.6E-08	1.6E-01	2.7E-02	2.4E-10
260	0.00	2.9E-10	4.3E-01	1.5E-04	1.0E-03	6.7E-08	1.6E-01	2.7E-02	2.9E-10
261	0.00	3.5E-10	5.2E-01	1.5E-04	1.0E-03	8.1E-08	1.6E-01	2.7E-02	3.5E-10
262	0.00	4.2E-10	6.3E-01	1.5E-04	1.0E-03	9.9E-08	1.6E-01	2.7E-02	4.2E-10
263	0.00	5.1E-10	7.6E-01	1.5E-04	1.0E-03	1.2E-07	1.6E-01	2.7E-02	5.1E-10
264	0.00	6.0E-10	8.9E-01	1.5E-04	1.0E-03	1.4E-07	1.6E-01	2.7E-02	6.0E-10
265	0.00	6.7E-10	9.8E-01	1.5E-04	1.0E-03	1.5E-07	1.6E-01	2.7E-02	6.7E-10
266	0.00	7.0E-10	1.0E+00	1.5E-04	1.0E-03	1.6E-07	1.6E-01	2.7E-02	7.0E-10
267	0.00	6.9E-10	1.0E+00	1.5E-04	1.0E-03	1.6E-07	1.6E-01	2.7E-02	6.9E-10
268	0.00	6.6E-10	9.7E-01	1.5E-04	1.0E-03	1.5E-07	1.6E-01	2.7E-02	6.6E-10
269	0.00	6.0E-10	8.8E-01	1.5E-04	1.0E-03	1.4E-07	1.6E-01	2.7E-02	6.0E-10

270	0.00	5.3E-10	7.8E-01	1.5E-04	1.0E-03	1.2E-07	1.6E-01	2.7E-02	5.3E-10
271	0.00	4.5E-10	6.7E-01	1.5E-04	1.0E-03	1.1E-07	1.6E-01	2.7E-02	4.5E-10
272	0.00	3.6E-10	5.4E-01	1.5E-04	1.0E-03	8.4E-08	1.6E-01	2.7E-02	3.6E-10
273	0.00	7.0E-10	1.0E+00	1.5E-04	1.0E-03	1.6E-07	1.6E-01	2.7E-02	7.0E-10
274	0.00	7.3E-10	1.1E+00	1.5E-04	1.0E-03	1.7E-07	1.6E-01	2.7E-02	7.3E-10
275	0.00	7.6E-10	1.1E+00	1.5E-04	1.0E-03	1.8E-07	1.6E-01	2.7E-02	7.6E-10
276	0.00	7.9E-10	1.2E+00	1.5E-04	1.0E-03	1.8E-07	1.6E-01	2.7E-02	7.9E-10
277	0.00	8.3E-10	1.2E+00	1.5E-04	1.0E-03	1.9E-07	1.6E-01	2.7E-02	8.3E-10
278	0.00	8.7E-10	1.3E+00	1.5E-04	1.0E-03	2.0E-07	1.6E-01	2.7E-02	8.7E-10
279	0.00	9.0E-10	1.3E+00	1.5E-04	1.0E-03	2.1E-07	1.6E-01	2.7E-02	9.0E-10
280	0.00	9.4E-10	1.4E+00	1.5E-04	1.0E-03	2.2E-07	1.6E-01	2.7E-02	9.4E-10
281	0.00	9.7E-10	1.4E+00	1.5E-04	1.0E-03	2.3E-07	1.6E-01	2.7E-02	9.7E-10
282	0.00	1.0E-09	1.5E+00	1.5E-04	1.0E-03	2.4E-07	1.6E-01	2.7E-02	1.0E-09
283	0.00	1.1E-09	1.6E+00	1.5E-04	1.0E-03	2.5E-07	1.6E-01	2.7E-02	1.1E-09
284	0.00	1.1E-09	1.6E+00	1.5E-04	1.0E-03	2.5E-07	1.6E-01	2.7E-02	1.1E-09
285	0.00	1.1E-09	1.7E+00	1.5E-04	1.0E-03	2.6E-07	1.6E-01	2.7E-02	1.1E-09
286	0.00	1.2E-09	1.7E+00	1.5E-04	1.0E-03	2.7E-07	1.6E-01	2.7E-02	1.2E-09
287	0.00	1.2E-09	1.8E+00	1.5E-04	1.0E-03	2.9E-07	1.6E-01	2.7E-02	1.2E-09
288	0.00	1.3E-09	1.9E+00	1.5E-04	1.0E-03	2.9E-07	1.6E-01	2.7E-02	1.3E-09
289	0.00	1.3E-09	2.0E+00	1.5E-04	1.0E-03	3.1E-07	1.6E-01	2.7E-02	1.3E-09
290	0.00	1.4E-09	2.1E+00	1.5E-04	1.0E-03	3.2E-07	1.6E-01	2.7E-02	1.4E-09
291	0.00	1.5E-09	2.2E+00	1.5E-04	1.0E-03	3.4E-07	1.6E-01	2.7E-02	1.5E-09
292	0.00	1.5E-09	2.2E+00	1.5E-04	1.0E-03	3.5E-07	1.6E-01	2.7E-02	1.5E-09
293	0.00	1.5E-09	2.3E+00	1.5E-04	1.0E-03	3.6E-07	1.6E-01	2.7E-02	1.5E-09
294	0.00	1.6E-09	2.4E+00	1.5E-04	1.0E-03	3.7E-07	1.6E-01	2.7E-02	1.6E-09
295	0.00	1.6E-09	2.4E+00	1.5E-04	1.0E-03	3.8E-07	1.6E-01	2.7E-02	1.6E-09
296	0.00	1.7E-09	2.5E+00	1.5E-04	1.0E-03	3.9E-07	1.6E-01	2.7E-02	1.7E-09
297	0.00	1.7E-09	2.5E+00	1.5E-04	1.0E-03	4.0E-07	1.6E-01	2.7E-02	1.7E-09
298	0.00	1.7E-09	2.6E+00	1.5E-04	1.0E-03	4.0E-07	1.6E-01	2.7E-02	1.7E-09
299	0.00	7.4E-10	1.1E+00	1.5E-04	1.0E-03	1.7E-07	1.6E-01	2.7E-02	7.4E-10
300	0.00	7.8E-10	1.1E+00	1.5E-04	1.0E-03	1.8E-07	1.6E-01	2.7E-02	7.8E-10
301	0.00	8.1E-10	1.2E+00	1.5E-04	1.0E-03	1.9E-07	1.6E-01	2.7E-02	8.1E-10
302	0.00	8.5E-10	1.3E+00	1.5E-04	1.0E-03	2.0E-07	1.6E-01	2.7E-02	8.5E-10
303	0.00	8.9E-10	1.3E+00	1.5E-04	1.0E-03	2.1E-07	1.6E-01	2.7E-02	8.9E-10
304	0.00	9.4E-10	1.4E+00	1.5E-04	1.0E-03	2.2E-07	1.6E-01	2.7E-02	9.4E-10
305	0.00	9.8E-10	1.4E+00	1.5E-04	1.0E-03	2.3E-07	1.6E-01	2.7E-02	9.8E-10
306	0.00	1.0E-09	1.5E+00	1.5E-04	1.0E-03	2.4E-07	1.6E-01	2.7E-02	1.0E-09
307	0.00	1.1E-09	1.6E+00	1.5E-04	1.0E-03	2.5E-07	1.6E-01	2.7E-02	1.1E-09
308	0.00	1.1E-09	1.6E+00	1.5E-04	1.0E-03	2.6E-07	1.6E-01	2.7E-02	1.1E-09
309	0.00	1.2E-09	1.7E+00	1.5E-04	1.0E-03	2.7E-07	1.6E-01	2.7E-02	1.2E-09
310	0.00	1.2E-09	1.8E+00	1.5E-04	1.0E-03	2.8E-07	1.6E-01	2.7E-02	1.2E-09
311	0.00	1.2E-09	1.8E+00	1.5E-04	1.0E-03	2.9E-07	1.6E-01	2.7E-02	1.2E-09
312	0.00	1.3E-09	1.9E+00	1.5E-04	1.0E-03	3.0E-07	1.6E-01	2.7E-02	1.3E-09
313	0.00	1.4E-09	2.0E+00	1.5E-04	1.0E-03	3.2E-07	1.6E-01	2.7E-02	1.4E-09
314	0.00	1.4E-09	2.1E+00	1.5E-04	1.0E-03	3.3E-07	1.6E-01	2.7E-02	1.4E-09
315	0.00	1.5E-09	2.2E+00	1.5E-04	1.0E-03	3.4E-07	1.6E-01	2.7E-02	1.5E-09

316	0.00	1.5E-09	2.3E+00	1.5E-04	1.0E-03	3.6E-07	1.6E-01	2.7E-02	1.5E-09
317	0.00	1.6E-09	2.4E+00	1.5E-04	1.0E-03	3.8E-07	1.6E-01	2.7E-02	1.6E-09
318	0.00	1.7E-09	2.5E+00	1.5E-04	1.0E-03	3.9E-07	1.6E-01	2.7E-02	1.7E-09
319	0.00	1.7E-09	2.6E+00	1.5E-04	1.0E-03	4.0E-07	1.6E-01	2.7E-02	1.7E-09
320	0.00	1.8E-09	2.6E+00	1.5E-04	1.0E-03	4.1E-07	1.6E-01	2.7E-02	1.8E-09
321	0.00	1.8E-09	2.7E+00	1.5E-04	1.0E-03	4.2E-07	1.6E-01	2.7E-02	1.8E-09
322	0.00	1.9E-09	2.8E+00	1.5E-04	1.0E-03	4.3E-07	1.6E-01	2.7E-02	1.9E-09
323	0.00	1.9E-09	2.8E+00	1.5E-04	1.0E-03	4.4E-07	1.6E-01	2.7E-02	1.9E-09
324	0.00	1.9E-09	2.9E+00	1.5E-04	1.0E-03	4.5E-07	1.6E-01	2.7E-02	1.9E-09
325	0.00	7.9E-10	1.2E+00	1.5E-04	1.0E-03	1.8E-07	1.6E-01	2.7E-02	7.9E-10
326	0.00	8.3E-10	1.2E+00	1.5E-04	1.0E-03	1.9E-07	1.6E-01	2.7E-02	8.3E-10
327	0.00	8.7E-10	1.3E+00	1.5E-04	1.0E-03	2.0E-07	1.6E-01	2.7E-02	8.7E-10
328	0.00	9.1E-10	1.4E+00	1.5E-04	1.0E-03	2.1E-07	1.6E-01	2.7E-02	9.1E-10
329	0.00	9.6E-10	1.4E+00	1.5E-04	1.0E-03	2.2E-07	1.6E-01	2.7E-02	9.6E-10
330	0.00	1.0E-09	1.5E+00	1.5E-04	1.0E-03	2.4E-07	1.6E-01	2.7E-02	1.0E-09
331	0.00	1.1E-09	1.6E+00	1.5E-04	1.0E-03	2.5E-07	1.6E-01	2.7E-02	1.1E-09
332	0.00	1.1E-09	1.6E+00	1.5E-04	1.0E-03	2.6E-07	1.6E-01	2.7E-02	1.1E-09
333	0.00	1.2E-09	1.7E+00	1.5E-04	1.0E-03	2.7E-07	1.6E-01	2.7E-02	1.2E-09
334	0.00	1.2E-09	1.8E+00	1.5E-04	1.0E-03	2.8E-07	1.6E-01	2.7E-02	1.2E-09
335	0.00	1.3E-09	1.9E+00	1.5E-04	1.0E-03	3.0E-07	1.6E-01	2.7E-02	1.3E-09
336	0.00	1.3E-09	2.0E+00	1.5E-04	1.0E-03	3.1E-07	1.6E-01	2.7E-02	1.3E-09
337	0.00	1.4E-09	2.0E+00	1.5E-04	1.0E-03	3.2E-07	1.6E-01	2.7E-02	1.4E-09
338	0.00	1.4E-09	2.1E+00	1.5E-04	1.0E-03	3.3E-07	1.6E-01	2.7E-02	1.4E-09
339	0.00	1.5E-09	2.2E+00	1.5E-04	1.0E-03	3.5E-07	1.6E-01	2.7E-02	1.5E-09
340	0.00	1.6E-09	2.3E+00	1.5E-04	1.0E-03	3.6E-07	1.6E-01	2.7E-02	1.6E-09
341	0.00	1.6E-09	2.4E+00	1.5E-04	1.0E-03	3.8E-07	1.6E-01	2.7E-02	1.6E-09
342	0.00	1.7E-09	2.6E+00	1.5E-04	1.0E-03	4.0E-07	1.6E-01	2.7E-02	1.7E-09
343	0.00	1.8E-09	2.7E+00	1.5E-04	1.0E-03	4.2E-07	1.6E-01	2.7E-02	1.8E-09
344	0.00	1.9E-09	2.8E+00	1.5E-04	1.0E-03	4.4E-07	1.6E-01	2.7E-02	1.9E-09
345	0.00	1.9E-09	2.9E+00	1.5E-04	1.0E-03	4.5E-07	1.6E-01	2.7E-02	1.9E-09
346	0.00	2.0E-09	3.0E+00	1.5E-04	1.0E-03	4.6E-07	1.6E-01	2.7E-02	2.0E-09
347	0.00	2.1E-09	3.0E+00	1.5E-04	1.0E-03	4.8E-07	1.6E-01	2.7E-02	2.1E-09
348	0.00	2.1E-09	3.1E+00	1.5E-04	1.0E-03	4.9E-07	1.6E-01	2.7E-02	2.1E-09
349	0.00	2.1E-09	3.2E+00	1.5E-04	1.0E-03	5.0E-07	1.6E-01	2.7E-02	2.1E-09
350	0.00	2.2E-09	3.2E+00	1.5E-04	1.0E-03	5.0E-07	1.6E-01	2.7E-02	2.2E-09
351	0.00	8.4E-10	1.2E+00	1.5E-04	1.0E-03	2.0E-07	1.6E-01	2.7E-02	8.4E-10
352	0.00	8.9E-10	1.3E+00	1.5E-04	1.0E-03	2.1E-07	1.6E-01	2.7E-02	8.9E-10
353	0.00	9.4E-10	1.4E+00	1.5E-04	1.0E-03	2.2E-07	1.6E-01	2.7E-02	9.4E-10
354	0.00	9.9E-10	1.5E+00	1.5E-04	1.0E-03	2.3E-07	1.6E-01	2.7E-02	9.9E-10
355	0.00	1.0E-09	1.5E+00	1.5E-04	1.0E-03	2.4E-07	1.6E-01	2.7E-02	1.0E-09
356	0.00	1.1E-09	1.6E+00	1.5E-04	1.0E-03	2.6E-07	1.6E-01	2.7E-02	1.1E-09
357	0.00	1.2E-09	1.7E+00	1.5E-04	1.0E-03	2.7E-07	1.6E-01	2.7E-02	1.2E-09
358	0.00	1.2E-09	1.8E+00	1.5E-04	1.0E-03	2.8E-07	1.6E-01	2.7E-02	1.2E-09
359	0.00	1.3E-09	1.9E+00	1.5E-04	1.0E-03	3.0E-07	1.6E-01	2.7E-02	1.3E-09
360	0.00	1.3E-09	2.0E+00	1.5E-04	1.0E-03	3.1E-07	1.6E-01	2.7E-02	1.3E-09
361	0.00	1.4E-09	2.1E+00	1.5E-04	1.0E-03	3.3E-07	1.6E-01	2.7E-02	1.4E-09

362	0.00	1.5E-09	2.2E+00	1.5E-04	1.0E-03	3.4E-07	1.6E-01	2.7E-02	1.5E-09
363	0.00	1.5E-09	2.3E+00	1.5E-04	1.0E-03	3.6E-07	1.6E-01	2.7E-02	1.5E-09
364	0.00	1.6E-09	2.4E+00	1.5E-04	1.0E-03	3.7E-07	1.6E-01	2.7E-02	1.6E-09
365	0.00	1.7E-09	2.5E+00	1.5E-04	1.0E-03	3.9E-07	1.6E-01	2.7E-02	1.7E-09
366	0.00	1.8E-09	2.6E+00	1.5E-04	1.0E-03	4.1E-07	1.6E-01	2.7E-02	1.8E-09
367	0.00	1.9E-09	2.7E+00	1.5E-04	1.0E-03	4.3E-07	1.6E-01	2.7E-02	1.9E-09
368	0.00	2.0E-09	2.9E+00	1.5E-04	1.0E-03	4.6E-07	1.6E-01	2.7E-02	2.0E-09
369	0.00	2.1E-09	3.0E+00	1.5E-04	1.0E-03	4.8E-07	1.6E-01	2.7E-02	2.1E-09
370	0.00	2.1E-09	3.1E+00	1.5E-04	1.0E-03	4.9E-07	1.6E-01	2.7E-02	2.1E-09
371	0.00	2.2E-09	3.2E+00	1.5E-04	1.0E-03	5.1E-07	1.6E-01	2.7E-02	2.2E-09
372	0.00	2.3E-09	3.3E+00	1.5E-04	1.0E-03	5.2E-07	1.6E-01	2.7E-02	2.3E-09
373	0.00	2.3E-09	3.4E+00	1.5E-04	1.0E-03	5.4E-07	1.6E-01	2.7E-02	2.3E-09
374	0.00	2.4E-09	3.5E+00	1.5E-04	1.0E-03	5.5E-07	1.6E-01	2.7E-02	2.4E-09
375	0.00	2.4E-09	3.6E+00	1.5E-04	1.0E-03	5.6E-07	1.6E-01	2.7E-02	2.4E-09
376	0.00	2.4E-09	3.6E+00	1.5E-04	1.0E-03	5.6E-07	1.6E-01	2.7E-02	2.4E-09
377	0.00	9.0E-10	1.3E+00	1.5E-04	1.0E-03	2.1E-07	1.6E-01	2.7E-02	9.0E-10
378	0.00	9.5E-10	1.4E+00	1.5E-04	1.0E-03	2.2E-07	1.6E-01	2.7E-02	9.5E-10
379	0.00	1.0E-09	1.5E+00	1.5E-04	1.0E-03	2.3E-07	1.6E-01	2.7E-02	1.0E-09
380	0.00	1.1E-09	1.6E+00	1.5E-04	1.0E-03	2.5E-07	1.6E-01	2.7E-02	1.1E-09
381	0.00	1.1E-09	1.7E+00	1.5E-04	1.0E-03	2.6E-07	1.6E-01	2.7E-02	1.1E-09
382	0.00	2.1E-09	3.1E+00	1.5E-04	1.0E-03	4.9E-07	1.6E-01	2.7E-02	2.1E-09
383	0.00	2.2E-09	3.3E+00	1.5E-04	1.0E-03	5.2E-07	1.6E-01	2.7E-02	2.2E-09
384	0.00	2.3E-09	3.5E+00	1.5E-04	1.0E-03	5.4E-07	1.6E-01	2.7E-02	2.3E-09
385	0.00	2.4E-09	3.6E+00	1.5E-04	1.0E-03	5.6E-07	1.6E-01	2.7E-02	2.4E-09
386	0.00	2.5E-09	3.7E+00	1.5E-04	1.0E-03	5.8E-07	1.6E-01	2.7E-02	2.5E-09
387	0.00	2.6E-09	3.8E+00	1.5E-04	1.0E-03	6.0E-07	1.6E-01	2.7E-02	2.6E-09
388	0.00	2.6E-09	3.9E+00	1.5E-04	1.0E-03	6.1E-07	1.6E-01	2.7E-02	2.6E-09
389	0.00	2.7E-09	4.0E+00	1.5E-04	1.0E-03	6.2E-07	1.6E-01	2.7E-02	2.7E-09
390	0.00	2.7E-09	4.0E+00	1.5E-04	1.0E-03	6.3E-07	1.6E-01	2.7E-02	2.7E-09
391	0.00	2.7E-09	4.0E+00	1.5E-04	1.0E-03	6.3E-07	1.6E-01	2.7E-02	2.7E-09
392	0.00	9.6E-10	1.4E+00	1.5E-04	1.0E-03	2.2E-07	1.6E-01	2.7E-02	9.6E-10
393	0.00	1.0E-09	1.5E+00	1.5E-04	1.0E-03	2.4E-07	1.6E-01	2.7E-02	1.0E-09
394	0.00	1.1E-09	1.6E+00	1.5E-04	1.0E-03	2.5E-07	1.6E-01	2.7E-02	1.1E-09
395	0.00	1.2E-09	1.7E+00	1.5E-04	1.0E-03	2.7E-07	1.6E-01	2.7E-02	1.2E-09
396	0.00	1.2E-09	1.8E+00	1.5E-04	1.0E-03	2.9E-07	1.6E-01	2.7E-02	1.2E-09
397	0.00	2.4E-09	3.6E+00	1.5E-04	1.0E-03	5.6E-07	1.6E-01	2.7E-02	2.4E-09
398	0.00	2.5E-09	3.8E+00	1.5E-04	1.0E-03	5.9E-07	1.6E-01	2.7E-02	2.5E-09
399	0.00	2.7E-09	4.0E+00	1.5E-04	1.0E-03	6.2E-07	1.6E-01	2.7E-02	2.7E-09
400	0.00	2.8E-09	4.1E+00	1.5E-04	1.0E-03	6.4E-07	1.6E-01	2.7E-02	2.8E-09
401	0.00	2.9E-09	4.2E+00	1.5E-04	1.0E-03	6.6E-07	1.6E-01	2.7E-02	2.9E-09
402	0.00	2.9E-09	4.3E+00	1.5E-04	1.0E-03	6.8E-07	1.6E-01	2.7E-02	2.9E-09
403	0.00	3.0E-09	4.4E+00	1.5E-04	1.0E-03	7.0E-07	1.6E-01	2.7E-02	3.0E-09
404	0.00	3.0E-09	4.5E+00	1.5E-04	1.0E-03	7.0E-07	1.6E-01	2.7E-02	3.0E-09
405	0.00	3.1E-09	4.5E+00	1.5E-04	1.0E-03	7.1E-07	1.6E-01	2.7E-02	3.1E-09
406	0.00	3.1E-09	4.5E+00	1.5E-04	1.0E-03	7.1E-07	1.6E-01	2.7E-02	3.1E-09
407	0.00	1.0E-09	1.5E+00	1.5E-04	1.0E-03	2.4E-07	1.6E-01	2.7E-02	1.0E-09

408	0.00	1.1E-09	1.6E+00	1.5E-04	1.0E-03	2.5E-07	1.6E-01	2.7E-02	1.1E-09
409	0.00	1.2E-09	1.7E+00	1.5E-04	1.0E-03	2.7E-07	1.6E-01	2.7E-02	1.2E-09
410	0.00	1.2E-09	1.8E+00	1.5E-04	1.0E-03	2.9E-07	1.6E-01	2.7E-02	1.2E-09
411	0.00	1.3E-09	2.0E+00	1.5E-04	1.0E-03	3.1E-07	1.6E-01	2.7E-02	1.3E-09
412	0.00	2.8E-09	4.1E+00	1.5E-04	1.0E-03	6.4E-07	1.6E-01	2.7E-02	2.8E-09
413	0.00	2.9E-09	4.3E+00	1.5E-04	1.0E-03	6.8E-07	1.6E-01	2.7E-02	2.9E-09
414	0.00	3.1E-09	4.6E+00	1.5E-04	1.0E-03	7.2E-07	1.6E-01	2.7E-02	3.1E-09
415	0.00	3.2E-09	4.7E+00	1.5E-04	1.0E-03	7.4E-07	1.6E-01	2.7E-02	3.2E-09
416	0.00	3.3E-09	4.9E+00	1.5E-04	1.0E-03	7.7E-07	1.6E-01	2.7E-02	3.3E-09
417	0.00	3.4E-09	5.0E+00	1.5E-04	1.0E-03	7.8E-07	1.6E-01	2.7E-02	3.4E-09
418	0.00	3.4E-09	5.1E+00	1.5E-04	1.0E-03	8.0E-07	1.6E-01	2.7E-02	3.4E-09
419	0.00	3.5E-09	5.1E+00	1.5E-04	1.0E-03	8.0E-07	1.6E-01	2.7E-02	3.5E-09
420	0.00	3.5E-09	5.1E+00	1.5E-04	1.0E-03	8.1E-07	1.6E-01	2.7E-02	3.5E-09
421	0.00	3.5E-09	5.1E+00	1.5E-04	1.0E-03	8.0E-07	1.6E-01	2.7E-02	3.5E-09
422	0.00	1.1E-09	1.6E+00	1.5E-04	1.0E-03	2.5E-07	1.6E-01	2.7E-02	1.1E-09
423	0.00	1.2E-09	1.7E+00	1.5E-04	1.0E-03	2.7E-07	1.6E-01	2.7E-02	1.2E-09
424	0.00	1.2E-09	1.8E+00	1.5E-04	1.0E-03	2.9E-07	1.6E-01	2.7E-02	1.2E-09
425	0.00	1.3E-09	2.0E+00	1.5E-04	1.0E-03	3.1E-07	1.6E-01	2.7E-02	1.3E-09
426	0.00	1.4E-09	2.1E+00	1.5E-04	1.0E-03	3.3E-07	1.6E-01	2.7E-02	1.4E-09
427	0.00	3.2E-09	4.8E+00	1.5E-04	1.0E-03	7.5E-07	1.6E-01	2.7E-02	3.2E-09
428	0.00	3.4E-09	5.1E+00	1.5E-04	1.0E-03	7.9E-07	1.6E-01	2.7E-02	3.4E-09
429	0.00	3.6E-09	5.3E+00	1.5E-04	1.0E-03	8.4E-07	1.6E-01	2.7E-02	3.6E-09
430	0.00	3.7E-09	5.5E+00	1.5E-04	1.0E-03	8.7E-07	1.6E-01	2.7E-02	3.7E-09
431	0.00	3.8E-09	5.7E+00	1.5E-04	1.0E-03	8.9E-07	1.6E-01	2.7E-02	3.8E-09
432	0.00	3.9E-09	5.8E+00	1.5E-04	1.0E-03	9.1E-07	1.6E-01	2.7E-02	3.9E-09
433	0.00	4.0E-09	5.9E+00	1.5E-04	1.0E-03	9.2E-07	1.6E-01	2.7E-02	4.0E-09
434	0.00	4.0E-09	5.9E+00	1.5E-04	1.0E-03	9.2E-07	1.6E-01	2.7E-02	4.0E-09
435	0.00	3.9E-09	5.8E+00	1.5E-04	1.0E-03	9.2E-07	1.6E-01	2.7E-02	3.9E-09
436	0.00	3.9E-09	5.8E+00	1.5E-04	1.0E-03	9.1E-07	1.6E-01	2.7E-02	3.9E-09
437	0.00	1.2E-09	1.7E+00	1.5E-04	1.0E-03	2.7E-07	1.6E-01	2.7E-02	1.2E-09
438	0.00	1.2E-09	1.8E+00	1.5E-04	1.0E-03	2.9E-07	1.6E-01	2.7E-02	1.2E-09
439	0.00	1.3E-09	2.0E+00	1.5E-04	1.0E-03	3.1E-07	1.6E-01	2.7E-02	1.3E-09
440	0.00	1.4E-09	2.1E+00	1.5E-04	1.0E-03	3.4E-07	1.6E-01	2.7E-02	1.4E-09
441	0.00	1.6E-09	2.3E+00	1.5E-04	1.0E-03	3.7E-07	1.6E-01	2.7E-02	1.6E-09
442	0.00	3.9E-09	5.7E+00	1.5E-04	1.0E-03	9.0E-07	1.6E-01	2.7E-02	3.9E-09
443	0.00	4.0E-09	6.0E+00	1.5E-04	1.0E-03	9.4E-07	1.6E-01	2.7E-02	4.0E-09
444	0.00	4.2E-09	6.3E+00	1.5E-04	1.0E-03	9.8E-07	1.6E-01	2.7E-02	4.2E-09
445	0.00	4.4E-09	6.5E+00	1.5E-04	1.0E-03	1.0E-06	1.6E-01	2.7E-02	4.4E-09
446	0.00	4.5E-09	6.7E+00	1.5E-04	1.0E-03	1.0E-06	1.6E-01	2.7E-02	4.5E-09
447	0.00	4.6E-09	6.8E+00	1.5E-04	1.0E-03	1.1E-06	1.6E-01	2.7E-02	4.6E-09
448	0.00	4.6E-09	6.8E+00	1.5E-04	1.0E-03	1.1E-06	1.6E-01	2.7E-02	4.6E-09
449	0.00	4.6E-09	6.8E+00	1.5E-04	1.0E-03	1.1E-06	1.6E-01	2.7E-02	4.6E-09
450	0.00	4.5E-09	6.7E+00	1.5E-04	1.0E-03	1.0E-06	1.6E-01	2.7E-02	4.5E-09
451	0.00	4.4E-09	6.5E+00	1.5E-04	1.0E-03	1.0E-06	1.6E-01	2.7E-02	4.4E-09
452	0.00	1.2E-09	1.8E+00	1.5E-04	1.0E-03	2.9E-07	1.6E-01	2.7E-02	1.2E-09
453	0.00	1.3E-09	2.0E+00	1.5E-04	1.0E-03	3.1E-07	1.6E-01	2.7E-02	1.3E-09

454	0.00	1.5E-09	2.2E+00	1.5E-04	1.0E-03	3.4E-07	1.6E-01	2.7E-02	1.5E-09
455	0.00	1.6E-09	2.3E+00	1.5E-04	1.0E-03	3.7E-07	1.6E-01	2.7E-02	1.6E-09
456	0.00	1.7E-09	2.5E+00	1.5E-04	1.0E-03	4.0E-07	1.6E-01	2.7E-02	1.7E-09
457	0.00	4.6E-09	6.8E+00	1.5E-04	1.0E-03	1.1E-06	1.6E-01	2.7E-02	4.6E-09
458	0.00	4.8E-09	7.2E+00	1.5E-04	1.0E-03	1.1E-06	1.6E-01	2.7E-02	4.8E-09
459	0.01	5.0E-09	7.5E+00	1.5E-04	1.0E-03	1.2E-06	1.6E-01	2.7E-02	5.0E-09
460	0.01	5.2E-09	7.7E+00	1.5E-04	1.0E-03	1.2E-06	1.6E-01	2.7E-02	5.2E-09
461	0.01	5.3E-09	7.9E+00	1.5E-04	1.0E-03	1.2E-06	1.6E-01	2.7E-02	5.3E-09
462	0.01	5.4E-09	7.9E+00	1.5E-04	1.0E-03	1.2E-06	1.6E-01	2.7E-02	5.4E-09
463	0.01	5.3E-09	7.9E+00	1.5E-04	1.0E-03	1.2E-06	1.6E-01	2.7E-02	5.3E-09
464	0.01	5.3E-09	7.8E+00	1.5E-04	1.0E-03	1.2E-06	1.6E-01	2.7E-02	5.3E-09
465	0.01	5.1E-09	7.6E+00	1.5E-04	1.0E-03	1.2E-06	1.6E-01	2.7E-02	5.1E-09
466	0.00	5.0E-09	7.4E+00	1.5E-04	1.0E-03	1.2E-06	1.6E-01	2.7E-02	5.0E-09
467	0.00	1.3E-09	1.9E+00	1.5E-04	1.0E-03	3.1E-07	1.6E-01	2.7E-02	1.3E-09
468	0.00	1.4E-09	2.1E+00	1.5E-04	1.0E-03	3.3E-07	1.6E-01	2.7E-02	1.4E-09
469	0.00	1.6E-09	2.3E+00	1.5E-04	1.0E-03	3.6E-07	1.6E-01	2.7E-02	1.6E-09
470	0.00	1.7E-09	2.5E+00	1.5E-04	1.0E-03	4.0E-07	1.6E-01	2.7E-02	1.7E-09
471	0.00	1.9E-09	2.8E+00	1.5E-04	1.0E-03	4.4E-07	1.6E-01	2.7E-02	1.9E-09
472	0.01	5.6E-09	8.2E+00	1.5E-04	1.0E-03	1.3E-06	1.6E-01	2.7E-02	5.6E-09
473	0.01	5.8E-09	8.6E+00	1.5E-04	1.0E-03	1.4E-06	1.6E-01	2.7E-02	5.8E-09
474	0.01	6.1E-09	9.0E+00	1.5E-04	1.0E-03	1.4E-06	1.6E-01	2.7E-02	6.1E-09
475	0.01	6.2E-09	9.2E+00	1.5E-04	1.0E-03	1.4E-06	1.6E-01	2.7E-02	6.2E-09
476	0.01	6.3E-09	9.4E+00	1.5E-04	1.0E-03	1.5E-06	1.6E-01	2.7E-02	6.3E-09
477	0.01	6.3E-09	9.4E+00	1.5E-04	1.0E-03	1.5E-06	1.6E-01	2.7E-02	6.3E-09
478	0.01	6.3E-09	9.3E+00	1.5E-04	1.0E-03	1.5E-06	1.6E-01	2.7E-02	6.3E-09
479	0.01	6.1E-09	9.0E+00	1.5E-04	1.0E-03	1.4E-06	1.6E-01	2.7E-02	6.1E-09
480	0.01	5.9E-09	8.7E+00	1.5E-04	1.0E-03	1.4E-06	1.6E-01	2.7E-02	5.9E-09
481	0.01	5.6E-09	8.3E+00	1.5E-04	1.0E-03	1.3E-06	1.6E-01	2.7E-02	5.6E-09
482	0.00	1.4E-09	2.1E+00	1.5E-04	1.0E-03	3.2E-07	1.6E-01	2.7E-02	1.4E-09
483	0.00	1.5E-09	2.3E+00	1.5E-04	1.0E-03	3.6E-07	1.6E-01	2.7E-02	1.5E-09
484	0.00	1.7E-09	2.5E+00	1.5E-04	1.0E-03	3.9E-07	1.6E-01	2.7E-02	1.7E-09
485	0.00	1.9E-09	2.8E+00	1.5E-04	1.0E-03	4.3E-07	1.6E-01	2.7E-02	1.9E-09
486	0.00	2.1E-09	3.1E+00	1.5E-04	1.0E-03	4.8E-07	1.6E-01	2.7E-02	2.1E-09
487	0.01	6.8E-09	1.0E+01	1.5E-04	1.0E-03	1.6E-06	1.6E-01	2.7E-02	6.8E-09
488	0.01	7.2E-09	1.1E+01	1.5E-04	1.0E-03	1.7E-06	1.6E-01	2.7E-02	7.2E-09
489	0.01	7.4E-09	1.1E+01	1.5E-04	1.0E-03	1.7E-06	1.6E-01	2.7E-02	7.4E-09
490	0.01	7.6E-09	1.1E+01	1.5E-04	1.0E-03	1.8E-06	1.6E-01	2.7E-02	7.6E-09
491	0.01	7.6E-09	1.1E+01	1.5E-04	1.0E-03	1.8E-06	1.6E-01	2.7E-02	7.6E-09
492	0.01	7.5E-09	1.1E+01	1.5E-04	1.0E-03	1.7E-06	1.6E-01	2.7E-02	7.5E-09
493	0.01	7.3E-09	1.1E+01	1.5E-04	1.0E-03	1.7E-06	1.6E-01	2.7E-02	7.3E-09
494	0.01	7.1E-09	1.0E+01	1.5E-04	1.0E-03	1.6E-06	1.6E-01	2.7E-02	7.1E-09
495	0.01	6.7E-09	1.0E+01	1.5E-04	1.0E-03	1.6E-06	1.6E-01	2.7E-02	6.7E-09
496	0.01	6.4E-09	9.4E+00	1.5E-04	1.0E-03	1.5E-06	1.6E-01	2.7E-02	6.4E-09
497	0.00	1.5E-09	2.2E+00	1.5E-04	1.0E-03	3.5E-07	1.6E-01	2.7E-02	1.5E-09
498	0.00	1.6E-09	2.4E+00	1.5E-04	1.0E-03	3.8E-07	1.6E-01	2.7E-02	1.6E-09
499	0.00	1.8E-09	2.7E+00	1.5E-04	1.0E-03	4.2E-07	1.6E-01	2.7E-02	1.8E-09

500	0.00	2.0E-09	3.0E+00	1.5E-04	1.0E-03	4.7E-07	1.6E-01	2.7E-02	2.0E-09
501	0.00	2.3E-09	3.4E+00	1.5E-04	1.0E-03	5.3E-07	1.6E-01	2.7E-02	2.3E-09
502	0.01	8.5E-09	1.3E+01	1.5E-04	1.0E-03	2.0E-06	1.6E-01	2.7E-02	8.5E-09
503	0.01	8.9E-09	1.3E+01	1.5E-04	1.0E-03	2.1E-06	1.6E-01	2.7E-02	8.9E-09
504	0.01	9.2E-09	1.4E+01	1.5E-04	1.0E-03	2.1E-06	1.6E-01	2.7E-02	9.2E-09
505	0.01	9.3E-09	1.4E+01	1.5E-04	1.0E-03	2.1E-06	1.6E-01	2.7E-02	9.3E-09
506	0.01	9.2E-09	1.4E+01	1.5E-04	1.0E-03	2.1E-06	1.6E-01	2.7E-02	9.2E-09
507	0.01	8.9E-09	1.3E+01	1.5E-04	1.0E-03	2.1E-06	1.6E-01	2.7E-02	8.9E-09
508	0.01	8.6E-09	1.3E+01	1.5E-04	1.0E-03	2.0E-06	1.6E-01	2.7E-02	8.6E-09
509	0.01	8.1E-09	1.2E+01	1.5E-04	1.0E-03	1.9E-06	1.6E-01	2.7E-02	8.1E-09
510	0.01	7.7E-09	1.1E+01	1.5E-04	1.0E-03	1.8E-06	1.6E-01	2.7E-02	7.7E-09
511	0.01	7.1E-09	1.1E+01	1.5E-04	1.0E-03	1.7E-06	1.6E-01	2.7E-02	7.1E-09
512	0.00	1.6E-09	2.3E+00	1.5E-04	1.0E-03	3.7E-07	1.6E-01	2.7E-02	1.6E-09
513	0.00	1.7E-09	2.6E+00	1.5E-04	1.0E-03	4.1E-07	1.6E-01	2.7E-02	1.7E-09
514	0.00	2.0E-09	2.9E+00	1.5E-04	1.0E-03	4.5E-07	1.6E-01	2.7E-02	2.0E-09
515	0.00	2.2E-09	3.3E+00	1.5E-04	1.0E-03	5.1E-07	1.6E-01	2.7E-02	2.2E-09
516	0.00	2.5E-09	3.7E+00	1.5E-04	1.0E-03	5.8E-07	1.6E-01	2.7E-02	2.5E-09
517	0.01	1.1E-08	1.6E+01	1.5E-04	1.0E-03	2.5E-06	1.6E-01	2.7E-02	1.1E-08
518	0.01	1.1E-08	1.7E+01	1.5E-04	1.0E-03	2.6E-06	1.6E-01	2.7E-02	1.1E-08
519	0.01	1.2E-08	1.7E+01	1.5E-04	1.0E-03	2.7E-06	1.6E-01	2.7E-02	1.2E-08
520	0.01	1.1E-08	1.7E+01	1.5E-04	1.0E-03	2.7E-06	1.6E-01	2.7E-02	1.1E-08
521	0.01	1.1E-08	1.7E+01	1.5E-04	1.0E-03	2.6E-06	1.6E-01	2.7E-02	1.1E-08
522	0.01	1.1E-08	1.6E+01	1.5E-04	1.0E-03	2.5E-06	1.6E-01	2.7E-02	1.1E-08
523	0.01	1.0E-08	1.5E+01	1.5E-04	1.0E-03	2.3E-06	1.6E-01	2.7E-02	1.0E-08
524	0.01	9.4E-09	1.4E+01	1.5E-04	1.0E-03	2.2E-06	1.6E-01	2.7E-02	9.4E-09
525	0.01	8.6E-09	1.3E+01	1.5E-04	1.0E-03	2.0E-06	1.6E-01	2.7E-02	8.6E-09
526	0.01	7.9E-09	1.2E+01	1.5E-04	1.0E-03	1.8E-06	1.6E-01	2.7E-02	7.9E-09
527	0.00	1.7E-09	2.5E+00	1.5E-04	1.0E-03	3.9E-07	1.6E-01	2.7E-02	1.7E-09
528	0.00	1.9E-09	2.8E+00	1.5E-04	1.0E-03	4.3E-07	1.6E-01	2.7E-02	1.9E-09
529	0.00	2.1E-09	3.1E+00	1.5E-04	1.0E-03	4.9E-07	1.6E-01	2.7E-02	2.1E-09
530	0.00	2.4E-09	3.5E+00	1.5E-04	1.0E-03	5.6E-07	1.6E-01	2.7E-02	2.4E-09
531	0.00	2.8E-09	4.1E+00	1.5E-04	1.0E-03	6.4E-07	1.6E-01	2.7E-02	2.8E-09
532	0.01	1.4E-08	2.1E+01	1.5E-04	1.0E-03	3.3E-06	1.6E-01	2.7E-02	1.4E-08
533	0.01	1.5E-08	2.2E+01	1.5E-04	1.0E-03	3.4E-06	1.6E-01	2.7E-02	1.5E-08
534	0.01	1.5E-08	2.2E+01	1.5E-04	1.0E-03	3.4E-06	1.6E-01	2.7E-02	1.5E-08
535	0.01	1.4E-08	2.1E+01	1.5E-04	1.0E-03	3.3E-06	1.6E-01	2.7E-02	1.4E-08
536	0.01	1.3E-08	2.0E+01	1.5E-04	1.0E-03	3.1E-06	1.6E-01	2.7E-02	1.3E-08
537	0.01	1.3E-08	1.9E+01	1.5E-04	1.0E-03	2.9E-06	1.6E-01	2.7E-02	1.3E-08
538	0.01	1.2E-08	1.7E+01	1.5E-04	1.0E-03	2.7E-06	1.6E-01	2.7E-02	1.2E-08
539	0.01	1.1E-08	1.6E+01	1.5E-04	1.0E-03	2.5E-06	1.6E-01	2.7E-02	1.1E-08
540	0.01	9.6E-09	1.4E+01	1.5E-04	1.0E-03	2.2E-06	1.6E-01	2.7E-02	9.6E-09
541	0.01	8.6E-09	1.3E+01	1.5E-04	1.0E-03	2.0E-06	1.6E-01	2.7E-02	8.6E-09
542	0.00	1.7E-09	2.6E+00	1.5E-04	1.0E-03	4.1E-07	1.6E-01	2.7E-02	1.7E-09
543	0.00	2.0E-09	2.9E+00	1.5E-04	1.0E-03	4.6E-07	1.6E-01	2.7E-02	2.0E-09
544	0.00	2.3E-09	3.3E+00	1.5E-04	1.0E-03	5.2E-07	1.6E-01	2.7E-02	2.3E-09
545	0.00	2.6E-09	3.8E+00	1.5E-04	1.0E-03	6.0E-07	1.6E-01	2.7E-02	2.6E-09

546	0.00	3.0E-09	4.5E+00	1.5E-04	1.0E-03	7.0E-07	1.6E-01	2.7E-02	3.0E-09
547	0.02	1.9E-08	2.8E+01	1.5E-04	1.0E-03	4.4E-06	1.6E-01	2.7E-02	1.9E-08
548	0.02	1.9E-08	2.8E+01	1.5E-04	1.0E-03	4.5E-06	1.6E-01	2.7E-02	1.9E-08
549	0.02	1.9E-08	2.8E+01	1.5E-04	1.0E-03	4.3E-06	1.6E-01	2.7E-02	1.9E-08
550	0.02	1.8E-08	2.6E+01	1.5E-04	1.0E-03	4.1E-06	1.6E-01	2.7E-02	1.8E-08
551	0.02	1.6E-08	2.3E+01	1.5E-04	1.0E-03	3.7E-06	1.6E-01	2.7E-02	1.6E-08
552	0.01	1.4E-08	2.1E+01	1.5E-04	1.0E-03	3.3E-06	1.6E-01	2.7E-02	1.4E-08
553	0.01	1.3E-08	1.9E+01	1.5E-04	1.0E-03	3.0E-06	1.6E-01	2.7E-02	1.3E-08
554	0.01	1.2E-08	1.7E+01	1.5E-04	1.0E-03	2.7E-06	1.6E-01	2.7E-02	1.2E-08
555	0.01	1.0E-08	1.5E+01	1.5E-04	1.0E-03	2.4E-06	1.6E-01	2.7E-02	1.0E-08
556	0.01	9.1E-09	1.3E+01	1.5E-04	1.0E-03	2.1E-06	1.6E-01	2.7E-02	9.1E-09
557	0.00	1.8E-09	2.7E+00	1.5E-04	1.0E-03	4.2E-07	1.6E-01	2.7E-02	1.8E-09
558	0.00	2.1E-09	3.1E+00	1.5E-04	1.0E-03	4.8E-07	1.6E-01	2.7E-02	2.1E-09
559	0.00	2.4E-09	3.5E+00	1.5E-04	1.0E-03	5.5E-07	1.6E-01	2.7E-02	2.4E-09
560	0.00	2.8E-09	4.1E+00	1.5E-04	1.0E-03	6.5E-07	1.6E-01	2.7E-02	2.8E-09
561	0.00	3.3E-09	4.8E+00	1.5E-04	1.0E-03	7.6E-07	1.6E-01	2.7E-02	3.3E-09
562	0.03	2.6E-08	3.9E+01	1.5E-04	1.0E-03	6.1E-06	1.6E-01	2.7E-02	2.6E-08
563	0.02	2.5E-08	3.6E+01	1.5E-04	1.0E-03	5.7E-06	1.6E-01	2.7E-02	2.5E-08
564	0.02	2.2E-08	3.2E+01	1.5E-04	1.0E-03	5.1E-06	1.6E-01	2.7E-02	2.2E-08
565	0.02	1.8E-08	2.6E+01	1.5E-04	1.0E-03	4.1E-06	1.6E-01	2.7E-02	1.8E-08
566	0.02	1.5E-08	2.3E+01	1.5E-04	1.0E-03	3.6E-06	1.6E-01	2.7E-02	1.5E-08
567	0.01	1.4E-08	2.0E+01	1.5E-04	1.0E-03	3.1E-06	1.6E-01	2.7E-02	1.4E-08
568	0.01	1.2E-08	1.8E+01	1.5E-04	1.0E-03	2.8E-06	1.6E-01	2.7E-02	1.2E-08
569	0.01	1.0E-08	1.5E+01	1.5E-04	1.0E-03	2.4E-06	1.6E-01	2.7E-02	1.0E-08
570	0.01	9.2E-09	1.4E+01	1.5E-04	1.0E-03	2.1E-06	1.6E-01	2.7E-02	9.2E-09
571	0.00	1.9E-09	2.8E+00	1.5E-04	1.0E-03	4.4E-07	1.6E-01	2.7E-02	1.9E-09
572	0.00	2.2E-09	3.2E+00	1.5E-04	1.0E-03	5.1E-07	1.6E-01	2.7E-02	2.2E-09
573	0.00	2.5E-09	3.7E+00	1.5E-04	1.0E-03	5.9E-07	1.6E-01	2.7E-02	2.5E-09
574	0.00	3.0E-09	4.4E+00	1.5E-04	1.0E-03	6.9E-07	1.6E-01	2.7E-02	3.0E-09
575	0.00	3.5E-09	5.2E+00	1.5E-04	1.0E-03	8.2E-07	1.6E-01	2.7E-02	3.5E-09
576	0.03	3.3E-08	4.9E+01	1.5E-04	1.0E-03	7.7E-06	1.6E-01	2.7E-02	3.3E-08
577	0.03	2.8E-08	4.2E+01	1.5E-04	1.0E-03	6.5E-06	1.6E-01	2.7E-02	2.8E-08
578	0.02	2.3E-08	3.3E+01	1.5E-04	1.0E-03	5.3E-06	1.6E-01	2.7E-02	2.3E-08
579	0.02	1.9E-08	2.8E+01	1.5E-04	1.0E-03	4.4E-06	1.6E-01	2.7E-02	1.9E-08
580	0.02	1.6E-08	2.4E+01	1.5E-04	1.0E-03	3.7E-06	1.6E-01	2.7E-02	1.6E-08
581	0.01	1.3E-08	1.9E+01	1.5E-04	1.0E-03	3.1E-06	1.6E-01	2.7E-02	1.3E-08
582	0.01	1.1E-08	1.6E+01	1.5E-04	1.0E-03	2.6E-06	1.6E-01	2.7E-02	1.1E-08
583	0.01	9.4E-09	1.4E+01	1.5E-04	1.0E-03	2.2E-06	1.6E-01	2.7E-02	9.4E-09
584	0.00	2.0E-09	2.9E+00	1.5E-04	1.0E-03	4.6E-07	1.6E-01	2.7E-02	2.0E-09
585	0.00	2.3E-09	3.4E+00	1.5E-04	1.0E-03	5.3E-07	1.6E-01	2.7E-02	2.3E-09
586	0.00	2.6E-09	3.9E+00	1.5E-04	1.0E-03	6.1E-07	1.6E-01	2.7E-02	2.6E-09
587	0.00	3.1E-09	4.6E+00	1.5E-04	1.0E-03	7.3E-07	1.6E-01	2.7E-02	3.1E-09
588	0.00	3.7E-09	5.5E+00	1.5E-04	1.0E-03	8.7E-07	1.6E-01	2.7E-02	3.7E-09
589	0.04	3.7E-08	5.5E+01	1.5E-04	1.0E-03	8.6E-06	1.6E-01	2.7E-02	3.7E-08
590	0.03	3.0E-08	4.4E+01	1.5E-04	1.0E-03	7.0E-06	1.6E-01	2.7E-02	3.0E-08
591	0.02	2.4E-08	3.6E+01	1.5E-04	1.0E-03	5.6E-06	1.6E-01	2.7E-02	2.4E-08

592	0.02	1.9E-08	2.8E+01	1.5E-04	1.0E-03	4.4E-06	1.6E-01	2.7E-02	1.9E-08
593	0.02	1.5E-08	2.3E+01	1.5E-04	1.0E-03	3.6E-06	1.6E-01	2.7E-02	1.5E-08
594	0.01	1.2E-08	1.8E+01	1.5E-04	1.0E-03	2.9E-06	1.6E-01	2.7E-02	1.2E-08
595	0.01	1.0E-08	1.5E+01	1.5E-04	1.0E-03	2.3E-06	1.6E-01	2.7E-02	1.0E-08
596	0.00	2.0E-09	3.0E+00	1.5E-04	1.0E-03	4.7E-07	1.6E-01	2.7E-02	2.0E-09
597	0.00	2.3E-09	3.5E+00	1.5E-04	1.0E-03	5.4E-07	1.6E-01	2.7E-02	2.3E-09
598	0.00	2.7E-09	4.0E+00	1.5E-04	1.0E-03	6.3E-07	1.6E-01	2.7E-02	2.7E-09
599	0.00	3.2E-09	4.8E+00	1.5E-04	1.0E-03	7.5E-07	1.6E-01	2.7E-02	3.2E-09
600	0.00	3.9E-09	5.8E+00	1.5E-04	1.0E-03	9.1E-07	1.6E-01	2.7E-02	3.9E-09
601	0.03	3.5E-08	5.1E+01	1.5E-04	1.0E-03	8.1E-06	1.6E-01	2.7E-02	3.5E-08
602	0.03	2.6E-08	3.9E+01	1.5E-04	1.0E-03	6.1E-06	1.6E-01	2.7E-02	2.6E-08
603	0.02	2.0E-08	3.0E+01	1.5E-04	1.0E-03	4.7E-06	1.6E-01	2.7E-02	2.0E-08
604	0.02	1.6E-08	2.4E+01	1.5E-04	1.0E-03	3.7E-06	1.6E-01	2.7E-02	1.6E-08
605	0.01	1.3E-08	1.9E+01	1.5E-04	1.0E-03	3.0E-06	1.6E-01	2.7E-02	1.3E-08
606	0.01	1.0E-08	1.5E+01	1.5E-04	1.0E-03	2.4E-06	1.6E-01	2.7E-02	1.0E-08
607	0.00	2.0E-09	3.0E+00	1.5E-04	1.0E-03	4.7E-07	1.6E-01	2.7E-02	2.0E-09
608	0.00	2.4E-09	3.5E+00	1.5E-04	1.0E-03	5.5E-07	1.6E-01	2.7E-02	2.4E-09
609	0.00	2.8E-09	4.1E+00	1.5E-04	1.0E-03	6.5E-07	1.6E-01	2.7E-02	2.8E-09
610	0.00	3.3E-09	4.9E+00	1.5E-04	1.0E-03	7.7E-07	1.6E-01	2.7E-02	3.3E-09
611	0.00	4.0E-09	6.0E+00	1.5E-04	1.0E-03	9.3E-07	1.6E-01	2.7E-02	4.0E-09
612	0.04	3.8E-08	5.6E+01	1.5E-04	1.0E-03	8.8E-06	1.6E-01	2.7E-02	3.8E-08
613	0.03	2.8E-08	4.1E+01	1.5E-04	1.0E-03	6.4E-06	1.6E-01	2.7E-02	2.8E-08
614	0.02	2.1E-08	3.1E+01	1.5E-04	1.0E-03	4.8E-06	1.6E-01	2.7E-02	2.1E-08
615	0.02	1.6E-08	2.4E+01	1.5E-04	1.0E-03	3.8E-06	1.6E-01	2.7E-02	1.6E-08
616	0.01	1.3E-08	1.9E+01	1.5E-04	1.0E-03	3.0E-06	1.6E-01	2.7E-02	1.3E-08
617	0.01	1.0E-08	1.5E+01	1.5E-04	1.0E-03	2.4E-06	1.6E-01	2.7E-02	1.0E-08
618	0.00	2.1E-09	3.0E+00	1.5E-04	1.0E-03	4.8E-07	1.6E-01	2.7E-02	2.1E-09
619	0.00	2.4E-09	3.5E+00	1.5E-04	1.0E-03	5.5E-07	1.6E-01	2.7E-02	2.4E-09
620	0.00	2.8E-09	4.2E+00	1.5E-04	1.0E-03	6.5E-07	1.6E-01	2.7E-02	2.8E-09
621	0.00	3.3E-09	4.9E+00	1.5E-04	1.0E-03	7.7E-07	1.6E-01	2.7E-02	3.3E-09
622	0.00	4.0E-09	6.0E+00	1.5E-04	1.0E-03	9.4E-07	1.6E-01	2.7E-02	4.0E-09
623	0.04	3.7E-08	5.5E+01	1.5E-04	1.0E-03	8.7E-06	1.6E-01	2.7E-02	3.7E-08
624	0.03	2.7E-08	4.0E+01	1.5E-04	1.0E-03	6.2E-06	1.6E-01	2.7E-02	2.7E-08
625	0.02	2.0E-08	3.0E+01	1.5E-04	1.0E-03	4.6E-06	1.6E-01	2.7E-02	2.0E-08
626	0.02	1.6E-08	2.3E+01	1.5E-04	1.0E-03	3.6E-06	1.6E-01	2.7E-02	1.6E-08
627	0.01	1.2E-08	1.8E+01	1.5E-04	1.0E-03	2.9E-06	1.6E-01	2.7E-02	1.2E-08
628	0.01	1.0E-08	1.5E+01	1.5E-04	1.0E-03	2.3E-06	1.6E-01	2.7E-02	1.0E-08
629	0.00	2.0E-09	3.0E+00	1.5E-04	1.0E-03	4.7E-07	1.6E-01	2.7E-02	2.0E-09
630	0.00	2.4E-09	3.5E+00	1.5E-04	1.0E-03	5.5E-07	1.6E-01	2.7E-02	2.4E-09
631	0.00	2.8E-09	4.1E+00	1.5E-04	1.0E-03	6.4E-07	1.6E-01	2.7E-02	2.8E-09
632	0.00	3.3E-09	4.9E+00	1.5E-04	1.0E-03	7.7E-07	1.6E-01	2.7E-02	3.3E-09
633	0.00	4.0E-09	5.9E+00	1.5E-04	1.0E-03	9.3E-07	1.6E-01	2.7E-02	4.0E-09
634	0.03	3.3E-08	4.9E+01	1.5E-04	1.0E-03	7.7E-06	1.6E-01	2.7E-02	3.3E-08
635	0.02	2.4E-08	3.6E+01	1.5E-04	1.0E-03	5.6E-06	1.6E-01	2.7E-02	2.4E-08
636	0.02	1.8E-08	2.7E+01	1.5E-04	1.0E-03	4.2E-06	1.6E-01	2.7E-02	1.8E-08
637	0.01	1.4E-08	2.1E+01	1.5E-04	1.0E-03	3.3E-06	1.6E-01	2.7E-02	1.4E-08

638	0.01	1.2E-08	1.7E+01	1.5E-04	1.0E-03	2.7E-06	1.6E-01	2.7E-02	1.2E-08
639	0.01	9.5E-09	1.4E+01	1.5E-04	1.0E-03	2.2E-06	1.6E-01	2.7E-02	9.5E-09
640	0.00	2.0E-09	3.0E+00	1.5E-04	1.0E-03	4.7E-07	1.6E-01	2.7E-02	2.0E-09
641	0.00	2.3E-09	3.4E+00	1.5E-04	1.0E-03	5.4E-07	1.6E-01	2.7E-02	2.3E-09
642	0.00	2.7E-09	4.0E+00	1.5E-04	1.0E-03	6.3E-07	1.6E-01	2.7E-02	2.7E-09
643	0.00	3.2E-09	4.8E+00	1.5E-04	1.0E-03	7.5E-07	1.6E-01	2.7E-02	3.2E-09
644	0.00	3.9E-09	5.8E+00	1.5E-04	1.0E-03	9.1E-07	1.6E-01	2.7E-02	3.9E-09
645	0.03	2.7E-08	4.0E+01	1.5E-04	1.0E-03	6.2E-06	1.6E-01	2.7E-02	2.7E-08
646	0.02	2.1E-08	3.0E+01	1.5E-04	1.0E-03	4.8E-06	1.6E-01	2.7E-02	2.1E-08
647	0.02	1.6E-08	2.4E+01	1.5E-04	1.0E-03	3.7E-06	1.6E-01	2.7E-02	1.6E-08
648	0.01	1.3E-08	1.9E+01	1.5E-04	1.0E-03	3.0E-06	1.6E-01	2.7E-02	1.3E-08
649	0.01	1.1E-08	1.6E+01	1.5E-04	1.0E-03	2.5E-06	1.6E-01	2.7E-02	1.1E-08
650	0.01	8.8E-09	1.3E+01	1.5E-04	1.0E-03	2.0E-06	1.6E-01	2.7E-02	8.8E-09
651	0.00	2.0E-09	2.9E+00	1.5E-04	1.0E-03	4.6E-07	1.6E-01	2.7E-02	2.0E-09
652	0.00	2.3E-09	3.4E+00	1.5E-04	1.0E-03	5.3E-07	1.6E-01	2.7E-02	2.3E-09
653	0.00	2.7E-09	3.9E+00	1.5E-04	1.0E-03	6.2E-07	1.6E-01	2.7E-02	2.7E-09
654	0.00	3.1E-09	4.7E+00	1.5E-04	1.0E-03	7.3E-07	1.6E-01	2.7E-02	3.1E-09
655	0.00	3.8E-09	5.6E+00	1.5E-04	1.0E-03	8.8E-07	1.6E-01	2.7E-02	3.8E-09
656	0.00	4.6E-09	6.8E+00	1.5E-04	1.0E-03	1.1E-06	1.6E-01	2.7E-02	4.6E-09
657	0.01	5.8E-09	8.5E+00	1.5E-04	1.0E-03	1.3E-06	1.6E-01	2.7E-02	5.8E-09
658	0.01	7.4E-09	1.1E+01	1.5E-04	1.0E-03	1.7E-06	1.6E-01	2.7E-02	7.4E-09
659	0.01	9.9E-09	1.5E+01	1.5E-04	1.0E-03	2.3E-06	1.6E-01	2.7E-02	9.9E-09
660	0.01	1.4E-08	2.0E+01	1.5E-04	1.0E-03	3.2E-06	1.6E-01	2.7E-02	1.4E-08
661	0.02	1.9E-08	2.8E+01	1.5E-04	1.0E-03	4.4E-06	1.6E-01	2.7E-02	1.9E-08
662	0.03	2.6E-08	3.9E+01	1.5E-04	1.0E-03	6.1E-06	1.6E-01	2.7E-02	2.6E-08
663	0.03	3.4E-08	5.0E+01	1.5E-04	1.0E-03	7.9E-06	1.6E-01	2.7E-02	3.4E-08
664	0.04	4.1E-08	6.0E+01	1.5E-04	1.0E-03	9.5E-06	1.6E-01	2.7E-02	4.1E-08
665	0.04	4.5E-08	6.6E+01	1.5E-04	1.0E-03	1.0E-05	1.6E-01	2.7E-02	4.5E-08
666	0.05	4.6E-08	6.8E+01	1.5E-04	1.0E-03	1.1E-05	1.6E-01	2.7E-02	4.6E-08
667	0.04	4.4E-08	6.6E+01	1.5E-04	1.0E-03	1.0E-05	1.6E-01	2.7E-02	4.4E-08
668	0.04	4.0E-08	6.0E+01	1.5E-04	1.0E-03	9.4E-06	1.6E-01	2.7E-02	4.0E-08
669	0.03	3.4E-08	5.0E+01	1.5E-04	1.0E-03	7.8E-06	1.6E-01	2.7E-02	3.4E-08
670	0.03	2.7E-08	4.0E+01	1.5E-04	1.0E-03	6.3E-06	1.6E-01	2.7E-02	2.7E-08
671	0.02	2.1E-08	3.1E+01	1.5E-04	1.0E-03	4.9E-06	1.6E-01	2.7E-02	2.1E-08
672	0.02	1.7E-08	2.5E+01	1.5E-04	1.0E-03	4.0E-06	1.6E-01	2.7E-02	1.7E-08
673	0.01	1.4E-08	2.0E+01	1.5E-04	1.0E-03	3.2E-06	1.6E-01	2.7E-02	1.4E-08
674	0.01	1.1E-08	1.7E+01	1.5E-04	1.0E-03	2.6E-06	1.6E-01	2.7E-02	1.1E-08
675	0.01	9.5E-09	1.4E+01	1.5E-04	1.0E-03	2.2E-06	1.6E-01	2.7E-02	9.5E-09
676	0.01	8.0E-09	1.2E+01	1.5E-04	1.0E-03	1.9E-06	1.6E-01	2.7E-02	8.0E-09
677	0.00	1.9E-09	2.8E+00	1.5E-04	1.0E-03	4.4E-07	1.6E-01	2.7E-02	1.9E-09
678	0.00	2.2E-09	3.2E+00	1.5E-04	1.0E-03	5.1E-07	1.6E-01	2.7E-02	2.2E-09
679	0.00	2.5E-09	3.8E+00	1.5E-04	1.0E-03	5.9E-07	1.6E-01	2.7E-02	2.5E-09
680	0.00	3.0E-09	4.4E+00	1.5E-04	1.0E-03	6.9E-07	1.6E-01	2.7E-02	3.0E-09
681	0.00	3.5E-09	5.2E+00	1.5E-04	1.0E-03	8.2E-07	1.6E-01	2.7E-02	3.5E-09
682	0.00	4.3E-09	6.3E+00	1.5E-04	1.0E-03	9.9E-07	1.6E-01	2.7E-02	4.3E-09
683	0.01	5.2E-09	7.8E+00	1.5E-04	1.0E-03	1.2E-06	1.6E-01	2.7E-02	5.2E-09

684	0.01	6.7E-09	9.8E+00	1.5E-04	1.0E-03	1.5E-06	1.6E-01	2.7E-02	6.7E-09
685	0.01	8.6E-09	1.3E+01	1.5E-04	1.0E-03	2.0E-06	1.6E-01	2.7E-02	8.6E-09
686	0.01	1.1E-08	1.7E+01	1.5E-04	1.0E-03	2.6E-06	1.6E-01	2.7E-02	1.1E-08
687	0.01	1.5E-08	2.2E+01	1.5E-04	1.0E-03	3.4E-06	1.6E-01	2.7E-02	1.5E-08
688	0.02	1.9E-08	2.8E+01	1.5E-04	1.0E-03	4.4E-06	1.6E-01	2.7E-02	1.9E-08
689	0.02	2.3E-08	3.5E+01	1.5E-04	1.0E-03	5.4E-06	1.6E-01	2.7E-02	2.3E-08
690	0.03	2.7E-08	4.0E+01	1.5E-04	1.0E-03	6.3E-06	1.6E-01	2.7E-02	2.7E-08
691	0.03	3.0E-08	4.4E+01	1.5E-04	1.0E-03	6.9E-06	1.6E-01	2.7E-02	3.0E-08
692	0.03	3.0E-08	4.5E+01	1.5E-04	1.0E-03	7.1E-06	1.6E-01	2.7E-02	3.0E-08
693	0.03	3.0E-08	4.4E+01	1.5E-04	1.0E-03	6.9E-06	1.6E-01	2.7E-02	3.0E-08
694	0.03	2.7E-08	4.1E+01	1.5E-04	1.0E-03	6.4E-06	1.6E-01	2.7E-02	2.7E-08
695	0.02	2.4E-08	3.6E+01	1.5E-04	1.0E-03	5.6E-06	1.6E-01	2.7E-02	2.4E-08
696	0.02	2.0E-08	3.0E+01	1.5E-04	1.0E-03	4.7E-06	1.6E-01	2.7E-02	2.0E-08
697	0.02	1.7E-08	2.5E+01	1.5E-04	1.0E-03	3.9E-06	1.6E-01	2.7E-02	1.7E-08
698	0.01	1.4E-08	2.1E+01	1.5E-04	1.0E-03	3.3E-06	1.6E-01	2.7E-02	1.4E-08
699	0.01	1.2E-08	1.7E+01	1.5E-04	1.0E-03	2.7E-06	1.6E-01	2.7E-02	1.2E-08
700	0.01	9.9E-09	1.5E+01	1.5E-04	1.0E-03	2.3E-06	1.6E-01	2.7E-02	9.9E-09
701	0.01	8.4E-09	1.2E+01	1.5E-04	1.0E-03	2.0E-06	1.6E-01	2.7E-02	8.4E-09
702	0.01	7.2E-09	1.1E+01	1.5E-04	1.0E-03	1.7E-06	1.6E-01	2.7E-02	7.2E-09
703	0.00	1.8E-09	2.7E+00	1.5E-04	1.0E-03	4.3E-07	1.6E-01	2.7E-02	1.8E-09
704	0.00	2.1E-09	3.1E+00	1.5E-04	1.0E-03	4.9E-07	1.6E-01	2.7E-02	2.1E-09
705	0.00	2.4E-09	3.6E+00	1.5E-04	1.0E-03	5.6E-07	1.6E-01	2.7E-02	2.4E-09
706	0.00	2.8E-09	4.1E+00	1.5E-04	1.0E-03	6.5E-07	1.6E-01	2.7E-02	2.8E-09
707	0.00	3.3E-09	4.9E+00	1.5E-04	1.0E-03	7.7E-07	1.6E-01	2.7E-02	3.3E-09
708	0.00	4.0E-09	5.9E+00	1.5E-04	1.0E-03	9.2E-07	1.6E-01	2.7E-02	4.0E-09
709	0.00	4.8E-09	7.1E+00	1.5E-04	1.0E-03	1.1E-06	1.6E-01	2.7E-02	4.8E-09
710	0.01	6.0E-09	8.8E+00	1.5E-04	1.0E-03	1.4E-06	1.6E-01	2.7E-02	6.0E-09
711	0.01	7.4E-09	1.1E+01	1.5E-04	1.0E-03	1.7E-06	1.6E-01	2.7E-02	7.4E-09
712	0.01	9.3E-09	1.4E+01	1.5E-04	1.0E-03	2.2E-06	1.6E-01	2.7E-02	9.3E-09
713	0.01	1.2E-08	1.7E+01	1.5E-04	1.0E-03	2.7E-06	1.6E-01	2.7E-02	1.2E-08
714	0.01	1.4E-08	2.1E+01	1.5E-04	1.0E-03	3.3E-06	1.6E-01	2.7E-02	1.4E-08
715	0.02	1.7E-08	2.5E+01	1.5E-04	1.0E-03	3.9E-06	1.6E-01	2.7E-02	1.7E-08
716	0.02	1.9E-08	2.8E+01	1.5E-04	1.0E-03	4.4E-06	1.6E-01	2.7E-02	1.9E-08
717	0.02	2.1E-08	3.1E+01	1.5E-04	1.0E-03	4.8E-06	1.6E-01	2.7E-02	2.1E-08
718	0.02	2.1E-08	3.2E+01	1.5E-04	1.0E-03	5.0E-06	1.6E-01	2.7E-02	2.1E-08
719	0.02	2.1E-08	3.1E+01	1.5E-04	1.0E-03	4.9E-06	1.6E-01	2.7E-02	2.1E-08
720	0.02	2.0E-08	3.0E+01	1.5E-04	1.0E-03	4.6E-06	1.6E-01	2.7E-02	2.0E-08
721	0.02	1.8E-08	2.7E+01	1.5E-04	1.0E-03	4.2E-06	1.6E-01	2.7E-02	1.8E-08
722	0.02	1.6E-08	2.4E+01	1.5E-04	1.0E-03	3.7E-06	1.6E-01	2.7E-02	1.6E-08
723	0.01	1.4E-08	2.0E+01	1.5E-04	1.0E-03	3.2E-06	1.6E-01	2.7E-02	1.4E-08
724	0.01	1.2E-08	1.7E+01	1.5E-04	1.0E-03	2.7E-06	1.6E-01	2.7E-02	1.2E-08
725	0.01	1.0E-08	1.5E+01	1.5E-04	1.0E-03	2.3E-06	1.6E-01	2.7E-02	1.0E-08
726	0.01	8.7E-09	1.3E+01	1.5E-04	1.0E-03	2.0E-06	1.6E-01	2.7E-02	8.7E-09
727	0.01	7.5E-09	1.1E+01	1.5E-04	1.0E-03	1.7E-06	1.6E-01	2.7E-02	7.5E-09
728	0.01	6.5E-09	9.6E+00	1.5E-04	1.0E-03	1.5E-06	1.6E-01	2.7E-02	6.5E-09
729	0.00	1.8E-09	2.6E+00	1.5E-04	1.0E-03	4.1E-07	1.6E-01	2.7E-02	1.8E-09

730	0.00	2.0E-09	3.0E+00	1.5E-04	1.0E-03	4.6E-07	1.6E-01	2.7E-02	2.0E-09
731	0.00	2.3E-09	3.4E+00	1.5E-04	1.0E-03	5.3E-07	1.6E-01	2.7E-02	2.3E-09
732	0.00	2.6E-09	3.9E+00	1.5E-04	1.0E-03	6.1E-07	1.6E-01	2.7E-02	2.6E-09
733	0.00	3.1E-09	4.5E+00	1.5E-04	1.0E-03	7.1E-07	1.6E-01	2.7E-02	3.1E-09
734	0.00	3.6E-09	5.4E+00	1.5E-04	1.0E-03	8.4E-07	1.6E-01	2.7E-02	3.6E-09
735	0.00	4.4E-09	6.4E+00	1.5E-04	1.0E-03	1.0E-06	1.6E-01	2.7E-02	4.4E-09
736	0.01	5.3E-09	7.8E+00	1.5E-04	1.0E-03	1.2E-06	1.6E-01	2.7E-02	5.3E-09
737	0.01	6.3E-09	9.4E+00	1.5E-04	1.0E-03	1.5E-06	1.6E-01	2.7E-02	6.3E-09
738	0.01	7.8E-09	1.1E+01	1.5E-04	1.0E-03	1.8E-06	1.6E-01	2.7E-02	7.8E-09
739	0.01	9.3E-09	1.4E+01	1.5E-04	1.0E-03	2.2E-06	1.6E-01	2.7E-02	9.3E-09
740	0.01	1.1E-08	1.6E+01	1.5E-04	1.0E-03	2.6E-06	1.6E-01	2.7E-02	1.1E-08
741	0.01	1.3E-08	1.9E+01	1.5E-04	1.0E-03	3.0E-06	1.6E-01	2.7E-02	1.3E-08
742	0.01	1.4E-08	2.1E+01	1.5E-04	1.0E-03	3.3E-06	1.6E-01	2.7E-02	1.4E-08
743	0.02	1.5E-08	2.2E+01	1.5E-04	1.0E-03	3.5E-06	1.6E-01	2.7E-02	1.5E-08
744	0.02	1.6E-08	2.3E+01	1.5E-04	1.0E-03	3.7E-06	1.6E-01	2.7E-02	1.6E-08
745	0.02	1.6E-08	2.3E+01	1.5E-04	1.0E-03	3.7E-06	1.6E-01	2.7E-02	1.6E-08
746	0.02	1.5E-08	2.2E+01	1.5E-04	1.0E-03	3.5E-06	1.6E-01	2.7E-02	1.5E-08
747	0.01	1.4E-08	2.1E+01	1.5E-04	1.0E-03	3.3E-06	1.6E-01	2.7E-02	1.4E-08
748	0.01	1.3E-08	1.9E+01	1.5E-04	1.0E-03	2.9E-06	1.6E-01	2.7E-02	1.3E-08
749	0.01	1.1E-08	1.7E+01	1.5E-04	1.0E-03	2.6E-06	1.6E-01	2.7E-02	1.1E-08
750	0.01	9.9E-09	1.5E+01	1.5E-04	1.0E-03	2.3E-06	1.6E-01	2.7E-02	9.9E-09
751	0.01	8.7E-09	1.3E+01	1.5E-04	1.0E-03	2.0E-06	1.6E-01	2.7E-02	8.7E-09
752	0.01	7.6E-09	1.1E+01	1.5E-04	1.0E-03	1.8E-06	1.6E-01	2.7E-02	7.6E-09
753	0.01	6.6E-09	9.8E+00	1.5E-04	1.0E-03	1.5E-06	1.6E-01	2.7E-02	6.6E-09
754	0.01	5.8E-09	8.7E+00	1.5E-04	1.0E-03	1.4E-06	1.6E-01	2.7E-02	5.8E-09
755	0.00	1.7E-09	2.5E+00	1.5E-04	1.0E-03	3.9E-07	1.6E-01	2.7E-02	1.7E-09
756	0.00	1.9E-09	2.8E+00	1.5E-04	1.0E-03	4.4E-07	1.6E-01	2.7E-02	1.9E-09
757	0.00	2.1E-09	3.2E+00	1.5E-04	1.0E-03	5.0E-07	1.6E-01	2.7E-02	2.1E-09
758	0.00	2.5E-09	3.6E+00	1.5E-04	1.0E-03	5.7E-07	1.6E-01	2.7E-02	2.5E-09
759	0.00	2.9E-09	4.2E+00	1.5E-04	1.0E-03	6.6E-07	1.6E-01	2.7E-02	2.9E-09
760	0.00	3.3E-09	4.9E+00	1.5E-04	1.0E-03	7.7E-07	1.6E-01	2.7E-02	3.3E-09
761	0.00	3.9E-09	5.8E+00	1.5E-04	1.0E-03	9.1E-07	1.6E-01	2.7E-02	3.9E-09
762	0.00	4.6E-09	6.9E+00	1.5E-04	1.0E-03	1.1E-06	1.6E-01	2.7E-02	4.6E-09
763	0.01	5.5E-09	8.1E+00	1.5E-04	1.0E-03	1.3E-06	1.6E-01	2.7E-02	5.5E-09
764	0.01	6.5E-09	9.6E+00	1.5E-04	1.0E-03	1.5E-06	1.6E-01	2.7E-02	6.5E-09
765	0.01	7.6E-09	1.1E+01	1.5E-04	1.0E-03	1.8E-06	1.6E-01	2.7E-02	7.6E-09
766	0.01	8.8E-09	1.3E+01	1.5E-04	1.0E-03	2.0E-06	1.6E-01	2.7E-02	8.8E-09
767	0.01	1.0E-08	1.5E+01	1.5E-04	1.0E-03	2.3E-06	1.6E-01	2.7E-02	1.0E-08
768	0.01	1.1E-08	1.6E+01	1.5E-04	1.0E-03	2.5E-06	1.6E-01	2.7E-02	1.1E-08
769	0.01	1.2E-08	1.7E+01	1.5E-04	1.0E-03	2.7E-06	1.6E-01	2.7E-02	1.2E-08
770	0.01	1.2E-08	1.8E+01	1.5E-04	1.0E-03	2.8E-06	1.6E-01	2.7E-02	1.2E-08
771	0.01	1.2E-08	1.8E+01	1.5E-04	1.0E-03	2.8E-06	1.6E-01	2.7E-02	1.2E-08
772	0.01	1.2E-08	1.8E+01	1.5E-04	1.0E-03	2.8E-06	1.6E-01	2.7E-02	1.2E-08
773	0.01	1.1E-08	1.7E+01	1.5E-04	1.0E-03	2.6E-06	1.6E-01	2.7E-02	1.1E-08
774	0.01	1.0E-08	1.5E+01	1.5E-04	1.0E-03	2.4E-06	1.6E-01	2.7E-02	1.0E-08
775	0.01	9.4E-09	1.4E+01	1.5E-04	1.0E-03	2.2E-06	1.6E-01	2.7E-02	9.4E-09

776	0.01	8.4E-09	1.2E+01	1.5E-04	1.0E-03	2.0E-06	1.6E-01	2.7E-02	8.4E-09
777	0.01	7.5E-09	1.1E+01	1.5E-04	1.0E-03	1.7E-06	1.6E-01	2.7E-02	7.5E-09
778	0.01	6.7E-09	9.9E+00	1.5E-04	1.0E-03	1.6E-06	1.6E-01	2.7E-02	6.7E-09
779	0.01	5.9E-09	8.8E+00	1.5E-04	1.0E-03	1.4E-06	1.6E-01	2.7E-02	5.9E-09
780	0.01	5.3E-09	7.8E+00	1.5E-04	1.0E-03	1.2E-06	1.6E-01	2.7E-02	5.3E-09
781	0.00	1.6E-09	2.4E+00	1.5E-04	1.0E-03	3.7E-07	1.6E-01	2.7E-02	1.6E-09
782	0.00	1.8E-09	2.6E+00	1.5E-04	1.0E-03	4.2E-07	1.6E-01	2.7E-02	1.8E-09
783	0.00	2.0E-09	3.0E+00	1.5E-04	1.0E-03	4.7E-07	1.6E-01	2.7E-02	2.0E-09
784	0.00	2.3E-09	3.4E+00	1.5E-04	1.0E-03	5.3E-07	1.6E-01	2.7E-02	2.3E-09
785	0.00	2.6E-09	3.9E+00	1.5E-04	1.0E-03	6.1E-07	1.6E-01	2.7E-02	2.6E-09
786	0.00	3.0E-09	4.5E+00	1.5E-04	1.0E-03	7.1E-07	1.6E-01	2.7E-02	3.0E-09
787	0.00	3.5E-09	5.2E+00	1.5E-04	1.0E-03	8.2E-07	1.6E-01	2.7E-02	3.5E-09
788	0.00	4.1E-09	6.1E+00	1.5E-04	1.0E-03	9.6E-07	1.6E-01	2.7E-02	4.1E-09
789	0.00	4.8E-09	7.0E+00	1.5E-04	1.0E-03	1.1E-06	1.6E-01	2.7E-02	4.8E-09
790	0.01	5.5E-09	8.1E+00	1.5E-04	1.0E-03	1.3E-06	1.6E-01	2.7E-02	5.5E-09
791	0.01	6.3E-09	9.3E+00	1.5E-04	1.0E-03	1.5E-06	1.6E-01	2.7E-02	6.3E-09
792	0.01	7.2E-09	1.1E+01	1.5E-04	1.0E-03	1.7E-06	1.6E-01	2.7E-02	7.2E-09
793	0.01	8.0E-09	1.2E+01	1.5E-04	1.0E-03	1.9E-06	1.6E-01	2.7E-02	8.0E-09
794	0.01	8.7E-09	1.3E+01	1.5E-04	1.0E-03	2.0E-06	1.6E-01	2.7E-02	8.7E-09
795	0.01	9.2E-09	1.4E+01	1.5E-04	1.0E-03	2.1E-06	1.6E-01	2.7E-02	9.2E-09
796	0.01	9.6E-09	1.4E+01	1.5E-04	1.0E-03	2.2E-06	1.6E-01	2.7E-02	9.6E-09
797	0.01	9.8E-09	1.5E+01	1.5E-04	1.0E-03	2.3E-06	1.6E-01	2.7E-02	9.8E-09
798	0.01	9.7E-09	1.4E+01	1.5E-04	1.0E-03	2.2E-06	1.6E-01	2.7E-02	9.7E-09
799	0.01	9.3E-09	1.4E+01	1.5E-04	1.0E-03	2.2E-06	1.6E-01	2.7E-02	9.3E-09
800	0.01	8.6E-09	1.3E+01	1.5E-04	1.0E-03	2.0E-06	1.6E-01	2.7E-02	8.6E-09
801	0.01	7.9E-09	1.2E+01	1.5E-04	1.0E-03	1.8E-06	1.6E-01	2.7E-02	7.9E-09
802	0.01	7.2E-09	1.1E+01	1.5E-04	1.0E-03	1.7E-06	1.6E-01	2.7E-02	7.2E-09
803	0.01	6.6E-09	9.7E+00	1.5E-04	1.0E-03	1.5E-06	1.6E-01	2.7E-02	6.6E-09
804	0.01	5.9E-09	8.8E+00	1.5E-04	1.0E-03	1.4E-06	1.6E-01	2.7E-02	5.9E-09
805	0.01	5.3E-09	7.9E+00	1.5E-04	1.0E-03	1.2E-06	1.6E-01	2.7E-02	5.3E-09
806	0.00	4.8E-09	7.1E+00	1.5E-04	1.0E-03	1.1E-06	1.6E-01	2.7E-02	4.8E-09

Risk From New Building Paving - Mitigated Residential

Franklin School Project

Risk From New Building Paving - Mitigated Residential

	0.17	Max					Onsite		
Receptor #	**Total/ Million**	**Total**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
1	0.00	6.6E-10	2.0E-01	7.2E-04	1.0E-03	1.5E-07	1.6E-01	2.7E-02	6.6E-10
2	0.00	7.3E-10	2.2E-01	7.2E-04	1.0E-03	1.7E-07	1.6E-01	2.7E-02	7.3E-10
3	0.00	8.0E-10	2.5E-01	7.2E-04	1.0E-03	1.9E-07	1.6E-01	2.7E-02	8.0E-10
4	0.00	8.7E-10	2.7E-01	7.2E-04	1.0E-03	2.0E-07	1.6E-01	2.7E-02	8.7E-10
5	0.00	9.5E-10	2.9E-01	7.2E-04	1.0E-03	2.2E-07	1.6E-01	2.7E-02	9.5E-10
6	0.00	1.0E-09	3.2E-01	7.2E-04	1.0E-03	2.4E-07	1.6E-01	2.7E-02	1.0E-09
7	0.00	1.1E-09	3.4E-01	7.2E-04	1.0E-03	2.6E-07	1.6E-01	2.7E-02	1.1E-09
8	0.00	1.2E-09	3.6E-01	7.2E-04	1.0E-03	2.7E-07	1.6E-01	2.7E-02	1.2E-09
9	0.00	1.2E-09	3.8E-01	7.2E-04	1.0E-03	2.9E-07	1.6E-01	2.7E-02	1.2E-09
10	0.00	1.3E-09	4.0E-01	7.2E-04	1.0E-03	3.0E-07	1.6E-01	2.7E-02	1.3E-09
11	0.00	1.4E-09	4.3E-01	7.2E-04	1.0E-03	3.3E-07	1.6E-01	2.7E-02	1.4E-09
12	0.00	1.5E-09	4.6E-01	7.2E-04	1.0E-03	3.5E-07	1.6E-01	2.7E-02	1.5E-09
13	0.00	1.6E-09	4.9E-01	7.2E-04	1.0E-03	3.7E-07	1.6E-01	2.7E-02	1.6E-09
14	0.00	1.7E-09	5.1E-01	7.2E-04	1.0E-03	3.9E-07	1.6E-01	2.7E-02	1.7E-09
15	0.00	1.7E-09	5.3E-01	7.2E-04	1.0E-03	4.0E-07	1.6E-01	2.7E-02	1.7E-09
16	0.00	1.7E-09	5.3E-01	7.2E-04	1.0E-03	4.0E-07	1.6E-01	2.7E-02	1.7E-09
17	0.00	7.4E-10	2.3E-01	7.2E-04	1.0E-03	1.7E-07	1.6E-01	2.7E-02	7.4E-10
18	0.00	8.3E-10	2.6E-01	7.2E-04	1.0E-03	1.9E-07	1.6E-01	2.7E-02	8.3E-10
19	0.00	9.2E-10	2.8E-01	7.2E-04	1.0E-03	2.1E-07	1.6E-01	2.7E-02	9.2E-10
20	0.00	1.0E-09	3.2E-01	7.2E-04	1.0E-03	2.4E-07	1.6E-01	2.7E-02	1.0E-09
21	0.00	1.1E-09	3.5E-01	7.2E-04	1.0E-03	2.6E-07	1.6E-01	2.7E-02	1.1E-09
22	0.00	1.2E-09	3.8E-01	7.2E-04	1.0E-03	2.9E-07	1.6E-01	2.7E-02	1.2E-09
23	0.00	1.3E-09	4.2E-01	7.2E-04	1.0E-03	3.1E-07	1.6E-01	2.7E-02	1.3E-09
24	0.00	1.4E-09	4.4E-01	7.2E-04	1.0E-03	3.3E-07	1.6E-01	2.7E-02	1.4E-09
25	0.00	1.5E-09	4.8E-01	7.2E-04	1.0E-03	3.6E-07	1.6E-01	2.7E-02	1.5E-09
26	0.00	1.7E-09	5.1E-01	7.2E-04	1.0E-03	3.8E-07	1.6E-01	2.7E-02	1.7E-09
27	0.00	1.8E-09	5.6E-01	7.2E-04	1.0E-03	4.2E-07	1.6E-01	2.7E-02	1.8E-09
28	0.00	1.9E-09	6.0E-01	7.2E-04	1.0E-03	4.5E-07	1.6E-01	2.7E-02	1.9E-09
29	0.00	2.1E-09	6.4E-01	7.2E-04	1.0E-03	4.8E-07	1.6E-01	2.7E-02	2.1E-09
30	0.00	2.1E-09	6.6E-01	7.2E-04	1.0E-03	5.0E-07	1.6E-01	2.7E-02	2.1E-09
31	0.00	2.2E-09	6.7E-01	7.2E-04	1.0E-03	5.0E-07	1.6E-01	2.7E-02	2.2E-09
32	0.00	2.1E-09	6.6E-01	7.2E-04	1.0E-03	5.0E-07	1.6E-01	2.7E-02	2.1E-09
33	0.00	8.4E-10	2.6E-01	7.2E-04	1.0E-03	1.9E-07	1.6E-01	2.7E-02	8.4E-10
34	0.00	9.5E-10	2.9E-01	7.2E-04	1.0E-03	2.2E-07	1.6E-01	2.7E-02	9.5E-10
35	0.00	1.1E-09	3.3E-01	7.2E-04	1.0E-03	2.5E-07	1.6E-01	2.7E-02	1.1E-09
36	0.00	1.2E-09	3.8E-01	7.2E-04	1.0E-03	2.8E-07	1.6E-01	2.7E-02	1.2E-09
37	0.00	1.4E-09	4.3E-01	7.2E-04	1.0E-03	3.2E-07	1.6E-01	2.7E-02	1.4E-09
38	0.00	1.5E-09	4.7E-01	7.2E-04	1.0E-03	3.6E-07	1.6E-01	2.7E-02	1.5E-09
39	0.00	1.7E-09	5.2E-01	7.2E-04	1.0E-03	3.9E-07	1.6E-01	2.7E-02	1.7E-09

40	0.00	1.8E-09	5.7E-01	7.2E-04	1.0E-03	4.3E-07	1.6E-01	2.7E-02	1.8E-09
41	0.00	2.0E-09	6.2E-01	7.2E-04	1.0E-03	4.6E-07	1.6E-01	2.7E-02	2.0E-09
42	0.00	2.2E-09	6.7E-01	7.2E-04	1.0E-03	5.1E-07	1.6E-01	2.7E-02	2.2E-09
43	0.00	2.4E-09	7.4E-01	7.2E-04	1.0E-03	5.6E-07	1.6E-01	2.7E-02	2.4E-09
44	0.00	2.6E-09	8.0E-01	7.2E-04	1.0E-03	6.1E-07	1.6E-01	2.7E-02	2.6E-09
45	0.00	2.7E-09	8.4E-01	7.2E-04	1.0E-03	6.4E-07	1.6E-01	2.7E-02	2.7E-09
46	0.00	2.8E-09	8.6E-01	7.2E-04	1.0E-03	6.5E-07	1.6E-01	2.7E-02	2.8E-09
47	0.00	2.8E-09	8.5E-01	7.2E-04	1.0E-03	6.4E-07	1.6E-01	2.7E-02	2.8E-09
48	0.00	2.7E-09	8.2E-01	7.2E-04	1.0E-03	6.2E-07	1.6E-01	2.7E-02	2.7E-09
49	0.00	9.4E-10	2.9E-01	7.2E-04	1.0E-03	2.2E-07	1.6E-01	2.7E-02	9.4E-10
50	0.00	1.1E-09	3.4E-01	7.2E-04	1.0E-03	2.5E-07	1.6E-01	2.7E-02	1.1E-09
51	0.00	1.3E-09	3.9E-01	7.2E-04	1.0E-03	2.9E-07	1.6E-01	2.7E-02	1.3E-09
52	0.00	1.5E-09	4.5E-01	7.2E-04	1.0E-03	3.4E-07	1.6E-01	2.7E-02	1.5E-09
53	0.00	1.7E-09	5.3E-01	7.2E-04	1.0E-03	4.0E-07	1.6E-01	2.7E-02	1.7E-09
54	0.00	2.0E-09	6.0E-01	7.2E-04	1.0E-03	4.5E-07	1.6E-01	2.7E-02	2.0E-09
55	0.00	2.2E-09	6.8E-01	7.2E-04	1.0E-03	5.1E-07	1.6E-01	2.7E-02	2.2E-09
56	0.00	2.4E-09	7.5E-01	7.2E-04	1.0E-03	5.6E-07	1.6E-01	2.7E-02	2.4E-09
57	0.00	2.7E-09	8.3E-01	7.2E-04	1.0E-03	6.2E-07	1.6E-01	2.7E-02	2.7E-09
58	0.00	3.0E-09	9.2E-01	7.2E-04	1.0E-03	7.0E-07	1.6E-01	2.7E-02	3.0E-09
59	0.00	3.4E-09	1.0E+00	7.2E-04	1.0E-03	7.9E-07	1.6E-01	2.7E-02	3.4E-09
60	0.00	3.6E-09	1.1E+00	7.2E-04	1.0E-03	8.4E-07	1.6E-01	2.7E-02	3.6E-09
61	0.00	3.7E-09	1.1E+00	7.2E-04	1.0E-03	8.7E-07	1.6E-01	2.7E-02	3.7E-09
62	0.00	3.7E-09	1.1E+00	7.2E-04	1.0E-03	8.6E-07	1.6E-01	2.7E-02	3.7E-09
63	0.00	3.5E-09	1.1E+00	7.2E-04	1.0E-03	8.1E-07	1.6E-01	2.7E-02	3.5E-09
64	0.00	3.2E-09	1.0E+00	7.2E-04	1.0E-03	7.5E-07	1.6E-01	2.7E-02	3.2E-09
65	0.00	1.1E-09	3.3E-01	7.2E-04	1.0E-03	2.5E-07	1.6E-01	2.7E-02	1.1E-09
66	0.00	1.3E-09	3.9E-01	7.2E-04	1.0E-03	2.9E-07	1.6E-01	2.7E-02	1.3E-09
67	0.00	1.5E-09	4.6E-01	7.2E-04	1.0E-03	3.5E-07	1.6E-01	2.7E-02	1.5E-09
68	0.00	1.8E-09	5.6E-01	7.2E-04	1.0E-03	4.2E-07	1.6E-01	2.7E-02	1.8E-09
69	0.00	2.2E-09	6.7E-01	7.2E-04	1.0E-03	5.0E-07	1.6E-01	2.7E-02	2.2E-09
70	0.00	2.6E-09	7.9E-01	7.2E-04	1.0E-03	6.0E-07	1.6E-01	2.7E-02	2.6E-09
71	0.00	3.0E-09	9.3E-01	7.2E-04	1.0E-03	7.0E-07	1.6E-01	2.7E-02	3.0E-09
72	0.00	3.4E-09	1.0E+00	7.2E-04	1.0E-03	7.9E-07	1.6E-01	2.7E-02	3.4E-09
73	0.00	3.9E-09	1.2E+00	7.2E-04	1.0E-03	9.0E-07	1.6E-01	2.7E-02	3.9E-09
74	0.00	4.5E-09	1.4E+00	7.2E-04	1.0E-03	1.0E-06	1.6E-01	2.7E-02	4.5E-09
75	0.01	5.0E-09	1.5E+00	7.2E-04	1.0E-03	1.2E-06	1.6E-01	2.7E-02	5.0E-09
76	0.01	5.2E-09	1.6E+00	7.2E-04	1.0E-03	1.2E-06	1.6E-01	2.7E-02	5.2E-09
77	0.01	5.2E-09	1.6E+00	7.2E-04	1.0E-03	1.2E-06	1.6E-01	2.7E-02	5.2E-09
78	0.00	4.8E-09	1.5E+00	7.2E-04	1.0E-03	1.1E-06	1.6E-01	2.7E-02	4.8E-09
79	0.00	4.4E-09	1.4E+00	7.2E-04	1.0E-03	1.0E-06	1.6E-01	2.7E-02	4.4E-09
80	0.00	3.9E-09	1.2E+00	7.2E-04	1.0E-03	9.0E-07	1.6E-01	2.7E-02	3.9E-09
81	0.00	1.2E-09	3.7E-01	7.2E-04	1.0E-03	2.8E-07	1.6E-01	2.7E-02	1.2E-09
82	0.00	1.4E-09	4.4E-01	7.2E-04	1.0E-03	3.3E-07	1.6E-01	2.7E-02	1.4E-09
83	0.00	1.8E-09	5.5E-01	7.2E-04	1.0E-03	4.1E-07	1.6E-01	2.7E-02	1.8E-09
84	0.00	2.2E-09	6.8E-01	7.2E-04	1.0E-03	5.2E-07	1.6E-01	2.7E-02	2.2E-09
85	0.00	2.8E-09	8.6E-01	7.2E-04	1.0E-03	6.5E-07	1.6E-01	2.7E-02	2.8E-09

86	0.00	3.5E-09	1.1E+00	7.2E-04	1.0E-03	8.1E-07	1.6E-01	2.7E-02	3.5E-09
87	0.00	4.3E-09	1.3E+00	7.2E-04	1.0E-03	1.0E-06	1.6E-01	2.7E-02	4.3E-09
88	0.01	5.2E-09	1.6E+00	7.2E-04	1.0E-03	1.2E-06	1.6E-01	2.7E-02	5.2E-09
89	0.01	6.2E-09	1.9E+00	7.2E-04	1.0E-03	1.4E-06	1.6E-01	2.7E-02	6.2E-09
90	0.01	7.4E-09	2.3E+00	7.2E-04	1.0E-03	1.7E-06	1.6E-01	2.7E-02	7.4E-09
91	0.01	7.9E-09	2.4E+00	7.2E-04	1.0E-03	1.8E-06	1.6E-01	2.7E-02	7.9E-09
92	0.01	7.8E-09	2.4E+00	7.2E-04	1.0E-03	1.8E-06	1.6E-01	2.7E-02	7.8E-09
93	0.01	7.1E-09	2.2E+00	7.2E-04	1.0E-03	1.7E-06	1.6E-01	2.7E-02	7.1E-09
94	0.01	6.2E-09	1.9E+00	7.2E-04	1.0E-03	1.5E-06	1.6E-01	2.7E-02	6.2E-09
95	0.01	5.3E-09	1.6E+00	7.2E-04	1.0E-03	1.2E-06	1.6E-01	2.7E-02	5.3E-09
96	0.00	4.5E-09	1.4E+00	7.2E-04	1.0E-03	1.0E-06	1.6E-01	2.7E-02	4.5E-09
97	0.00	1.3E-09	4.0E-01	7.2E-04	1.0E-03	3.0E-07	1.6E-01	2.7E-02	1.3E-09
98	0.00	1.6E-09	5.0E-01	7.2E-04	1.0E-03	3.8E-07	1.6E-01	2.7E-02	1.6E-09
99	0.00	2.1E-09	6.4E-01	7.2E-04	1.0E-03	4.8E-07	1.6E-01	2.7E-02	2.1E-09
100	0.00	2.7E-09	8.4E-01	7.2E-04	1.0E-03	6.3E-07	1.6E-01	2.7E-02	2.7E-09
101	0.00	3.7E-09	1.1E+00	7.2E-04	1.0E-03	8.5E-07	1.6E-01	2.7E-02	3.7E-09
102	0.01	5.0E-09	1.5E+00	7.2E-04	1.0E-03	1.2E-06	1.6E-01	2.7E-02	5.0E-09
103	0.01	6.8E-09	2.1E+00	7.2E-04	1.0E-03	1.6E-06	1.6E-01	2.7E-02	6.8E-09
104	0.01	9.0E-09	2.8E+00	7.2E-04	1.0E-03	2.1E-06	1.6E-01	2.7E-02	9.0E-09
105	0.01	1.1E-08	3.5E+00	7.2E-04	1.0E-03	2.7E-06	1.6E-01	2.7E-02	1.1E-08
106	0.01	1.3E-08	4.1E+00	7.2E-04	1.0E-03	3.1E-06	1.6E-01	2.7E-02	1.3E-08
107	0.01	1.3E-08	4.0E+00	7.2E-04	1.0E-03	3.0E-06	1.6E-01	2.7E-02	1.3E-08
108	0.01	1.1E-08	3.5E+00	7.2E-04	1.0E-03	2.7E-06	1.6E-01	2.7E-02	1.1E-08
109	0.01	9.5E-09	2.9E+00	7.2E-04	1.0E-03	2.2E-06	1.6E-01	2.7E-02	9.5E-09
110	0.01	7.7E-09	2.4E+00	7.2E-04	1.0E-03	1.8E-06	1.6E-01	2.7E-02	7.7E-09
111	0.01	6.1E-09	1.9E+00	7.2E-04	1.0E-03	1.4E-06	1.6E-01	2.7E-02	6.1E-09
112	0.00	5.0E-09	1.5E+00	7.2E-04	1.0E-03	1.2E-06	1.6E-01	2.7E-02	5.0E-09
113	0.00	1.4E-09	4.4E-01	7.2E-04	1.0E-03	3.3E-07	1.6E-01	2.7E-02	1.4E-09
114	0.00	1.8E-09	5.6E-01	7.2E-04	1.0E-03	4.2E-07	1.6E-01	2.7E-02	1.8E-09
115	0.00	2.4E-09	7.4E-01	7.2E-04	1.0E-03	5.6E-07	1.6E-01	2.7E-02	2.4E-09
116	0.00	3.3E-09	1.0E+00	7.2E-04	1.0E-03	7.7E-07	1.6E-01	2.7E-02	3.3E-09
117	0.00	4.8E-09	1.5E+00	7.2E-04	1.0E-03	1.1E-06	1.6E-01	2.7E-02	4.8E-09
118	0.03	2.7E-08	8.4E+00	7.2E-04	1.0E-03	6.3E-06	1.6E-01	2.7E-02	2.7E-08
119	0.02	2.1E-08	6.6E+00	7.2E-04	1.0E-03	4.9E-06	1.6E-01	2.7E-02	2.1E-08
120	0.02	1.6E-08	4.9E+00	7.2E-04	1.0E-03	3.7E-06	1.6E-01	2.7E-02	1.6E-08
121	0.01	1.2E-08	3.6E+00	7.2E-04	1.0E-03	2.7E-06	1.6E-01	2.7E-02	1.2E-08
122	0.01	8.7E-09	2.7E+00	7.2E-04	1.0E-03	2.0E-06	1.6E-01	2.7E-02	8.7E-09
123	0.01	6.6E-09	2.0E+00	7.2E-04	1.0E-03	1.5E-06	1.6E-01	2.7E-02	6.6E-09
124	0.01	5.1E-09	1.6E+00	7.2E-04	1.0E-03	1.2E-06	1.6E-01	2.7E-02	5.1E-09
125	0.00	1.5E-09	4.6E-01	7.2E-04	1.0E-03	3.5E-07	1.6E-01	2.7E-02	1.5E-09
126	0.00	1.9E-09	6.0E-01	7.2E-04	1.0E-03	4.5E-07	1.6E-01	2.7E-02	1.9E-09
127	0.00	2.6E-09	8.1E-01	7.2E-04	1.0E-03	6.1E-07	1.6E-01	2.7E-02	2.6E-09
128	0.00	3.8E-09	1.2E+00	7.2E-04	1.0E-03	8.8E-07	1.6E-01	2.7E-02	3.8E-09
129	0.01	5.9E-09	1.8E+00	7.2E-04	1.0E-03	1.4E-06	1.6E-01	2.7E-02	5.9E-09
130	0.05	5.3E-08	1.6E+01	7.2E-04	1.0E-03	1.2E-05	1.6E-01	2.7E-02	5.3E-08
131	0.03	3.1E-08	9.6E+00	7.2E-04	1.0E-03	7.2E-06	1.6E-01	2.7E-02	3.1E-08

132	0.02	1.9E-08	6.0E+00	7.2E-04	1.0E-03	4.5E-06	1.6E-01	2.7E-02	1.9E-08
133	0.01	1.3E-08	4.0E+00	7.2E-04	1.0E-03	3.0E-06	1.6E-01	2.7E-02	1.3E-08
134	0.01	9.1E-09	2.8E+00	7.2E-04	1.0E-03	2.1E-06	1.6E-01	2.7E-02	9.1E-09
135	0.01	6.6E-09	2.0E+00	7.2E-04	1.0E-03	1.5E-06	1.6E-01	2.7E-02	6.6E-09
136	0.00	4.9E-09	1.5E+00	7.2E-04	1.0E-03	1.1E-06	1.6E-01	2.7E-02	4.9E-09
137	0.00	1.5E-09	4.7E-01	7.2E-04	1.0E-03	3.6E-07	1.6E-01	2.7E-02	1.5E-09
138	0.00	2.0E-09	6.2E-01	7.2E-04	1.0E-03	4.7E-07	1.6E-01	2.7E-02	2.0E-09
139	0.00	2.8E-09	8.5E-01	7.2E-04	1.0E-03	6.4E-07	1.6E-01	2.7E-02	2.8E-09
140	0.00	4.1E-09	1.3E+00	7.2E-04	1.0E-03	9.5E-07	1.6E-01	2.7E-02	4.1E-09
141	0.01	6.5E-09	2.0E+00	7.2E-04	1.0E-03	1.5E-06	1.6E-01	2.7E-02	6.5E-09
142	0.07	7.4E-08	2.3E+01	7.2E-04	1.0E-03	1.7E-05	1.6E-01	2.7E-02	7.4E-08
143	0.04	3.6E-08	1.1E+01	7.2E-04	1.0E-03	8.4E-06	1.6E-01	2.7E-02	3.6E-08
144	0.02	2.0E-08	6.2E+00	7.2E-04	1.0E-03	4.6E-06	1.6E-01	2.7E-02	2.0E-08
145	0.01	1.3E-08	3.9E+00	7.2E-04	1.0E-03	3.0E-06	1.6E-01	2.7E-02	1.3E-08
146	0.01	8.4E-09	2.6E+00	7.2E-04	1.0E-03	2.0E-06	1.6E-01	2.7E-02	8.4E-09
147	0.01	6.0E-09	1.8E+00	7.2E-04	1.0E-03	1.4E-06	1.6E-01	2.7E-02	6.0E-09
148	0.00	4.4E-09	1.4E+00	7.2E-04	1.0E-03	1.0E-06	1.6E-01	2.7E-02	4.4E-09
149	0.00	1.5E-09	4.7E-01	7.2E-04	1.0E-03	3.5E-07	1.6E-01	2.7E-02	1.5E-09
150	0.00	2.0E-09	6.1E-01	7.2E-04	1.0E-03	4.6E-07	1.6E-01	2.7E-02	2.0E-09
151	0.00	2.7E-09	8.4E-01	7.2E-04	1.0E-03	6.3E-07	1.6E-01	2.7E-02	2.7E-09
152	0.00	4.0E-09	1.2E+00	7.2E-04	1.0E-03	9.2E-07	1.6E-01	2.7E-02	4.0E-09
153	0.01	6.3E-09	1.9E+00	7.2E-04	1.0E-03	1.5E-06	1.6E-01	2.7E-02	6.3E-09
154	0.11	1.1E-07	3.3E+01	7.2E-04	1.0E-03	2.5E-05	1.6E-01	2.7E-02	1.1E-07
155	0.03	3.3E-08	1.0E+01	7.2E-04	1.0E-03	7.7E-06	1.6E-01	2.7E-02	3.3E-08
156	0.02	1.7E-08	5.1E+00	7.2E-04	1.0E-03	3.9E-06	1.6E-01	2.7E-02	1.7E-08
157	0.01	1.1E-08	3.3E+00	7.2E-04	1.0E-03	2.5E-06	1.6E-01	2.7E-02	1.1E-08
158	0.01	7.2E-09	2.2E+00	7.2E-04	1.0E-03	1.7E-06	1.6E-01	2.7E-02	7.2E-09
159	0.01	5.1E-09	1.6E+00	7.2E-04	1.0E-03	1.2E-06	1.6E-01	2.7E-02	5.1E-09
160	0.00	3.8E-09	1.2E+00	7.2E-04	1.0E-03	8.9E-07	1.6E-01	2.7E-02	3.8E-09
161	0.00	1.4E-09	4.3E-01	7.2E-04	1.0E-03	3.2E-07	1.6E-01	2.7E-02	1.4E-09
162	0.00	1.8E-09	5.6E-01	7.2E-04	1.0E-03	4.2E-07	1.6E-01	2.7E-02	1.8E-09
163	0.00	2.4E-09	7.4E-01	7.2E-04	1.0E-03	5.6E-07	1.6E-01	2.7E-02	2.4E-09
164	0.00	3.5E-09	1.1E+00	7.2E-04	1.0E-03	8.2E-07	1.6E-01	2.7E-02	3.5E-09
165	0.01	5.6E-09	1.7E+00	7.2E-04	1.0E-03	1.3E-06	1.6E-01	2.7E-02	5.6E-09
166	0.01	9.7E-09	3.0E+00	7.2E-04	1.0E-03	2.2E-06	1.6E-01	2.7E-02	9.7E-09
167	0.02	2.0E-08	6.1E+00	7.2E-04	1.0E-03	4.6E-06	1.6E-01	2.7E-02	2.0E-08
168	0.05	4.8E-08	1.5E+01	7.2E-04	1.0E-03	1.1E-05	1.6E-01	2.7E-02	4.8E-08
169	0.07	7.1E-08	2.2E+01	7.2E-04	1.0E-03	1.7E-05	1.6E-01	2.7E-02	7.1E-08
170	0.05	4.6E-08	1.4E+01	7.2E-04	1.0E-03	1.1E-05	1.6E-01	2.7E-02	4.6E-08
171	0.02	2.3E-08	7.1E+00	7.2E-04	1.0E-03	5.3E-06	1.6E-01	2.7E-02	2.3E-08
172	0.01	1.2E-08	3.7E+00	7.2E-04	1.0E-03	2.8E-06	1.6E-01	2.7E-02	1.2E-08
173	0.01	8.0E-09	2.5E+00	7.2E-04	1.0E-03	1.9E-06	1.6E-01	2.7E-02	8.0E-09
174	0.01	5.9E-09	1.8E+00	7.2E-04	1.0E-03	1.4E-06	1.6E-01	2.7E-02	5.9E-09
175	0.00	4.3E-09	1.3E+00	7.2E-04	1.0E-03	1.0E-06	1.6E-01	2.7E-02	4.3E-09
176	0.00	3.3E-09	1.0E+00	7.2E-04	1.0E-03	7.6E-07	1.6E-01	2.7E-02	3.3E-09
177	0.00	1.3E-09	4.0E-01	7.2E-04	1.0E-03	3.0E-07	1.6E-01	2.7E-02	1.3E-09

178	0.00	1.6E-09	5.1E-01	7.2E-04	1.0E-03	3.8E-07	1.6E-01	2.7E-02	1.6E-09
179	0.00	2.1E-09	6.6E-01	7.2E-04	1.0E-03	4.9E-07	1.6E-01	2.7E-02	2.1E-09
180	0.00	3.1E-09	9.6E-01	7.2E-04	1.0E-03	7.2E-07	1.6E-01	2.7E-02	3.1E-09
181	0.00	4.5E-09	1.4E+00	7.2E-04	1.0E-03	1.1E-06	1.6E-01	2.7E-02	4.5E-09
182	0.01	7.0E-09	2.2E+00	7.2E-04	1.0E-03	1.6E-06	1.6E-01	2.7E-02	7.0E-09
183	0.01	1.2E-08	3.6E+00	7.2E-04	1.0E-03	2.7E-06	1.6E-01	2.7E-02	1.2E-08
184	0.02	1.9E-08	5.8E+00	7.2E-04	1.0E-03	4.3E-06	1.6E-01	2.7E-02	1.9E-08
185	0.02	2.4E-08	7.4E+00	7.2E-04	1.0E-03	5.5E-06	1.6E-01	2.7E-02	2.4E-08
186	0.02	2.1E-08	6.4E+00	7.2E-04	1.0E-03	4.8E-06	1.6E-01	2.7E-02	2.1E-08
187	0.01	1.5E-08	4.5E+00	7.2E-04	1.0E-03	3.4E-06	1.6E-01	2.7E-02	1.5E-08
188	0.01	9.7E-09	3.0E+00	7.2E-04	1.0E-03	2.3E-06	1.6E-01	2.7E-02	9.7E-09
189	0.01	6.3E-09	1.9E+00	7.2E-04	1.0E-03	1.5E-06	1.6E-01	2.7E-02	6.3E-09
190	0.00	4.9E-09	1.5E+00	7.2E-04	1.0E-03	1.1E-06	1.6E-01	2.7E-02	4.9E-09
191	0.00	3.7E-09	1.1E+00	7.2E-04	1.0E-03	8.6E-07	1.6E-01	2.7E-02	3.7E-09
192	0.00	2.9E-09	8.8E-01	7.2E-04	1.0E-03	6.7E-07	1.6E-01	2.7E-02	2.9E-09
193	0.00	1.2E-09	3.7E-01	7.2E-04	1.0E-03	2.8E-07	1.6E-01	2.7E-02	1.2E-09
194	0.00	1.5E-09	4.7E-01	7.2E-04	1.0E-03	3.5E-07	1.6E-01	2.7E-02	1.5E-09
195	0.00	2.0E-09	6.2E-01	7.2E-04	1.0E-03	4.6E-07	1.6E-01	2.7E-02	2.0E-09
196	0.00	2.6E-09	8.1E-01	7.2E-04	1.0E-03	6.1E-07	1.6E-01	2.7E-02	2.6E-09
197	0.00	3.6E-09	1.1E+00	7.2E-04	1.0E-03	8.4E-07	1.6E-01	2.7E-02	3.6E-09
198	0.01	5.1E-09	1.6E+00	7.2E-04	1.0E-03	1.2E-06	1.6E-01	2.7E-02	5.1E-09
199	0.01	7.5E-09	2.3E+00	7.2E-04	1.0E-03	1.7E-06	1.6E-01	2.7E-02	7.5E-09
200	0.01	1.0E-08	3.1E+00	7.2E-04	1.0E-03	2.4E-06	1.6E-01	2.7E-02	1.0E-08
201	0.01	1.2E-08	3.7E+00	7.2E-04	1.0E-03	2.8E-06	1.6E-01	2.7E-02	1.2E-08
202	0.01	1.1E-08	3.5E+00	7.2E-04	1.0E-03	2.7E-06	1.6E-01	2.7E-02	1.1E-08
203	0.01	9.0E-09	2.8E+00	7.2E-04	1.0E-03	2.1E-06	1.6E-01	2.7E-02	9.0E-09
204	0.01	7.0E-09	2.1E+00	7.2E-04	1.0E-03	1.6E-06	1.6E-01	2.7E-02	7.0E-09
205	0.01	5.2E-09	1.6E+00	7.2E-04	1.0E-03	1.2E-06	1.6E-01	2.7E-02	5.2E-09
206	0.00	3.8E-09	1.2E+00	7.2E-04	1.0E-03	8.9E-07	1.6E-01	2.7E-02	3.8E-09
207	0.00	3.2E-09	9.9E-01	7.2E-04	1.0E-03	7.5E-07	1.6E-01	2.7E-02	3.2E-09
208	0.00	2.6E-09	7.9E-01	7.2E-04	1.0E-03	6.0E-07	1.6E-01	2.7E-02	2.6E-09
209	0.00	1.1E-09	3.5E-01	7.2E-04	1.0E-03	2.6E-07	1.6E-01	2.7E-02	1.1E-09
210	0.00	1.4E-09	4.3E-01	7.2E-04	1.0E-03	3.3E-07	1.6E-01	2.7E-02	1.4E-09
211	0.00	1.7E-09	5.4E-01	7.2E-04	1.0E-03	4.0E-07	1.6E-01	2.7E-02	1.7E-09
212	0.00	2.2E-09	6.8E-01	7.2E-04	1.0E-03	5.1E-07	1.6E-01	2.7E-02	2.2E-09
213	0.00	2.9E-09	8.8E-01	7.2E-04	1.0E-03	6.7E-07	1.6E-01	2.7E-02	2.9E-09
214	0.00	3.9E-09	1.2E+00	7.2E-04	1.0E-03	9.0E-07	1.6E-01	2.7E-02	3.9E-09
215	0.01	5.2E-09	1.6E+00	7.2E-04	1.0E-03	1.2E-06	1.6E-01	2.7E-02	5.2E-09
216	0.01	6.4E-09	2.0E+00	7.2E-04	1.0E-03	1.5E-06	1.6E-01	2.7E-02	6.4E-09
217	0.01	7.3E-09	2.3E+00	7.2E-04	1.0E-03	1.7E-06	1.6E-01	2.7E-02	7.3E-09
218	0.01	7.3E-09	2.2E+00	7.2E-04	1.0E-03	1.7E-06	1.6E-01	2.7E-02	7.3E-09
219	0.01	6.6E-09	2.0E+00	7.2E-04	1.0E-03	1.5E-06	1.6E-01	2.7E-02	6.6E-09
220	0.01	5.6E-09	1.7E+00	7.2E-04	1.0E-03	1.3E-06	1.6E-01	2.7E-02	5.6E-09
221	0.00	4.5E-09	1.4E+00	7.2E-04	1.0E-03	1.0E-06	1.6E-01	2.7E-02	4.5E-09
222	0.00	3.3E-09	1.0E+00	7.2E-04	1.0E-03	7.6E-07	1.6E-01	2.7E-02	3.3E-09
223	0.00	2.6E-09	8.1E-01	7.2E-04	1.0E-03	6.1E-07	1.6E-01	2.7E-02	2.6E-09

224	0.00	2.3E-09	7.1E-01	7.2E-04	1.0E-03	5.3E-07	1.6E-01	2.7E-02	2.3E-09
225	0.00	1.0E-09	3.2E-01	7.2E-04	1.0E-03	2.4E-07	1.6E-01	2.7E-02	1.0E-09
226	0.00	1.2E-09	3.8E-01	7.2E-04	1.0E-03	2.9E-07	1.6E-01	2.7E-02	1.2E-09
227	0.00	1.5E-09	4.6E-01	7.2E-04	1.0E-03	3.5E-07	1.6E-01	2.7E-02	1.5E-09
228	0.00	1.9E-09	5.7E-01	7.2E-04	1.0E-03	4.3E-07	1.6E-01	2.7E-02	1.9E-09
229	0.00	2.3E-09	7.2E-01	7.2E-04	1.0E-03	5.4E-07	1.6E-01	2.7E-02	2.3E-09
230	0.00	3.0E-09	9.2E-01	7.2E-04	1.0E-03	6.9E-07	1.6E-01	2.7E-02	3.0E-09
231	0.00	3.7E-09	1.1E+00	7.2E-04	1.0E-03	8.7E-07	1.6E-01	2.7E-02	3.7E-09
232	0.00	4.5E-09	1.4E+00	7.2E-04	1.0E-03	1.0E-06	1.6E-01	2.7E-02	4.5E-09
233	0.00	5.0E-09	1.5E+00	7.2E-04	1.0E-03	1.2E-06	1.6E-01	2.7E-02	5.0E-09
234	0.01	5.1E-09	1.6E+00	7.2E-04	1.0E-03	1.2E-06	1.6E-01	2.7E-02	5.1E-09
235	0.00	4.8E-09	1.5E+00	7.2E-04	1.0E-03	1.1E-06	1.6E-01	2.7E-02	4.8E-09
236	0.00	4.3E-09	1.3E+00	7.2E-04	1.0E-03	1.0E-06	1.6E-01	2.7E-02	4.3E-09
237	0.00	3.7E-09	1.1E+00	7.2E-04	1.0E-03	8.5E-07	1.6E-01	2.7E-02	3.7E-09
238	0.00	3.0E-09	9.3E-01	7.2E-04	1.0E-03	7.0E-07	1.6E-01	2.7E-02	3.0E-09
239	0.00	2.3E-09	7.1E-01	7.2E-04	1.0E-03	5.4E-07	1.6E-01	2.7E-02	2.3E-09
240	0.00	1.9E-09	5.9E-01	7.2E-04	1.0E-03	4.5E-07	1.6E-01	2.7E-02	1.9E-09
241	0.00	9.3E-10	2.9E-01	7.2E-04	1.0E-03	2.2E-07	1.6E-01	2.7E-02	9.3E-10
242	0.00	1.1E-09	3.4E-01	7.2E-04	1.0E-03	2.5E-07	1.6E-01	2.7E-02	1.1E-09
243	0.00	1.3E-09	4.0E-01	7.2E-04	1.0E-03	3.0E-07	1.6E-01	2.7E-02	1.3E-09
244	0.00	1.6E-09	4.8E-01	7.2E-04	1.0E-03	3.6E-07	1.6E-01	2.7E-02	1.6E-09
245	0.00	1.9E-09	5.9E-01	7.2E-04	1.0E-03	4.4E-07	1.6E-01	2.7E-02	1.9E-09
246	0.00	2.3E-09	7.2E-01	7.2E-04	1.0E-03	5.4E-07	1.6E-01	2.7E-02	2.3E-09
247	0.00	2.8E-09	8.7E-01	7.2E-04	1.0E-03	6.6E-07	1.6E-01	2.7E-02	2.8E-09
248	0.00	3.3E-09	1.0E+00	7.2E-04	1.0E-03	7.6E-07	1.6E-01	2.7E-02	3.3E-09
249	0.00	3.6E-09	1.1E+00	7.2E-04	1.0E-03	8.4E-07	1.6E-01	2.7E-02	3.6E-09
250	0.00	3.7E-09	1.1E+00	7.2E-04	1.0E-03	8.7E-07	1.6E-01	2.7E-02	3.7E-09
251	0.00	3.6E-09	1.1E+00	7.2E-04	1.0E-03	8.4E-07	1.6E-01	2.7E-02	3.6E-09
252	0.00	3.3E-09	1.0E+00	7.2E-04	1.0E-03	7.8E-07	1.6E-01	2.7E-02	3.3E-09
253	0.00	3.0E-09	9.2E-01	7.2E-04	1.0E-03	6.9E-07	1.6E-01	2.7E-02	3.0E-09
254	0.00	2.6E-09	7.9E-01	7.2E-04	1.0E-03	6.0E-07	1.6E-01	2.7E-02	2.6E-09
255	0.00	2.2E-09	6.6E-01	7.2E-04	1.0E-03	5.0E-07	1.6E-01	2.7E-02	2.2E-09
256	0.00	1.7E-09	5.3E-01	7.2E-04	1.0E-03	4.0E-07	1.6E-01	2.7E-02	1.7E-09
257	0.00	8.4E-10	2.6E-01	7.2E-04	1.0E-03	1.9E-07	1.6E-01	2.7E-02	8.4E-10
258	0.00	9.6E-10	3.0E-01	7.2E-04	1.0E-03	2.2E-07	1.6E-01	2.7E-02	9.6E-10
259	0.00	1.1E-09	3.5E-01	7.2E-04	1.0E-03	2.6E-07	1.6E-01	2.7E-02	1.1E-09
260	0.00	1.3E-09	4.1E-01	7.2E-04	1.0E-03	3.1E-07	1.6E-01	2.7E-02	1.3E-09
261	0.00	1.6E-09	4.9E-01	7.2E-04	1.0E-03	3.7E-07	1.6E-01	2.7E-02	1.6E-09
262	0.00	1.9E-09	5.8E-01	7.2E-04	1.0E-03	4.4E-07	1.6E-01	2.7E-02	1.9E-09
263	0.00	2.2E-09	6.8E-01	7.2E-04	1.0E-03	5.1E-07	1.6E-01	2.7E-02	2.2E-09
264	0.00	2.5E-09	7.7E-01	7.2E-04	1.0E-03	5.8E-07	1.6E-01	2.7E-02	2.5E-09
265	0.00	2.7E-09	8.4E-01	7.2E-04	1.0E-03	6.3E-07	1.6E-01	2.7E-02	2.7E-09
266	0.00	2.8E-09	8.7E-01	7.2E-04	1.0E-03	6.6E-07	1.6E-01	2.7E-02	2.8E-09
267	0.00	2.8E-09	8.6E-01	7.2E-04	1.0E-03	6.5E-07	1.6E-01	2.7E-02	2.8E-09
268	0.00	2.7E-09	8.2E-01	7.2E-04	1.0E-03	6.2E-07	1.6E-01	2.7E-02	2.7E-09
269	0.00	2.4E-09	7.5E-01	7.2E-04	1.0E-03	5.7E-07	1.6E-01	2.7E-02	2.4E-09

270	0.00	2.2E-09	6.7E-01	7.2E-04	1.0E-03	5.1E-07	1.6E-01	2.7E-02	2.2E-09
271	0.00	1.9E-09	5.8E-01	7.2E-04	1.0E-03	4.4E-07	1.6E-01	2.7E-02	1.9E-09
272	0.00	1.5E-09	4.8E-01	7.2E-04	1.0E-03	3.6E-07	1.6E-01	2.7E-02	1.5E-09
273	0.01	5.0E-09	1.5E+00	7.2E-04	1.0E-03	1.2E-06	1.6E-01	2.7E-02	5.0E-09
274	0.01	5.3E-09	1.6E+00	7.2E-04	1.0E-03	1.2E-06	1.6E-01	2.7E-02	5.3E-09
275	0.01	5.6E-09	1.7E+00	7.2E-04	1.0E-03	1.3E-06	1.6E-01	2.7E-02	5.6E-09
276	0.01	6.0E-09	1.8E+00	7.2E-04	1.0E-03	1.4E-06	1.6E-01	2.7E-02	6.0E-09
277	0.01	6.4E-09	2.0E+00	7.2E-04	1.0E-03	1.5E-06	1.6E-01	2.7E-02	6.4E-09
278	0.01	6.8E-09	2.1E+00	7.2E-04	1.0E-03	1.6E-06	1.6E-01	2.7E-02	6.8E-09
279	0.01	7.2E-09	2.2E+00	7.2E-04	1.0E-03	1.7E-06	1.6E-01	2.7E-02	7.2E-09
280	0.01	7.6E-09	2.3E+00	7.2E-04	1.0E-03	1.8E-06	1.6E-01	2.7E-02	7.6E-09
281	0.01	8.0E-09	2.5E+00	7.2E-04	1.0E-03	1.9E-06	1.6E-01	2.7E-02	8.0E-09
282	0.01	8.4E-09	2.6E+00	7.2E-04	1.0E-03	2.0E-06	1.6E-01	2.7E-02	8.4E-09
283	0.01	9.0E-09	2.8E+00	7.2E-04	1.0E-03	2.1E-06	1.6E-01	2.7E-02	9.0E-09
284	0.01	9.4E-09	2.9E+00	7.2E-04	1.0E-03	2.2E-06	1.6E-01	2.7E-02	9.4E-09
285	0.01	9.9E-09	3.0E+00	7.2E-04	1.0E-03	2.3E-06	1.6E-01	2.7E-02	9.9E-09
286	0.01	1.0E-08	3.2E+00	7.2E-04	1.0E-03	2.4E-06	1.6E-01	2.7E-02	1.0E-08
287	0.01	1.1E-08	3.4E+00	7.2E-04	1.0E-03	2.5E-06	1.6E-01	2.7E-02	1.1E-08
288	0.01	1.1E-08	3.5E+00	7.2E-04	1.0E-03	2.7E-06	1.6E-01	2.7E-02	1.1E-08
289	0.01	1.2E-08	3.7E+00	7.2E-04	1.0E-03	2.8E-06	1.6E-01	2.7E-02	1.2E-08
290	0.01	1.3E-08	3.9E+00	7.2E-04	1.0E-03	2.9E-06	1.6E-01	2.7E-02	1.3E-08
291	0.01	1.3E-08	4.0E+00	7.2E-04	1.0E-03	3.0E-06	1.6E-01	2.7E-02	1.3E-08
292	0.01	1.3E-08	4.1E+00	7.2E-04	1.0E-03	3.1E-06	1.6E-01	2.7E-02	1.3E-08
293	0.01	1.3E-08	4.1E+00	7.2E-04	1.0E-03	3.1E-06	1.6E-01	2.7E-02	1.3E-08
294	0.01	1.3E-08	4.1E+00	7.2E-04	1.0E-03	3.1E-06	1.6E-01	2.7E-02	1.3E-08
295	0.01	1.3E-08	4.1E+00	7.2E-04	1.0E-03	3.1E-06	1.6E-01	2.7E-02	1.3E-08
296	0.01	1.3E-08	4.1E+00	7.2E-04	1.0E-03	3.1E-06	1.6E-01	2.7E-02	1.3E-08
297	0.01	1.3E-08	4.1E+00	7.2E-04	1.0E-03	3.1E-06	1.6E-01	2.7E-02	1.3E-08
298	0.01	1.3E-08	4.0E+00	7.2E-04	1.0E-03	3.0E-06	1.6E-01	2.7E-02	1.3E-08
299	0.01	5.4E-09	1.7E+00	7.2E-04	1.0E-03	1.3E-06	1.6E-01	2.7E-02	5.4E-09
300	0.01	5.7E-09	1.8E+00	7.2E-04	1.0E-03	1.3E-06	1.6E-01	2.7E-02	5.7E-09
301	0.01	6.1E-09	1.9E+00	7.2E-04	1.0E-03	1.4E-06	1.6E-01	2.7E-02	6.1E-09
302	0.01	6.5E-09	2.0E+00	7.2E-04	1.0E-03	1.5E-06	1.6E-01	2.7E-02	6.5E-09
303	0.01	7.0E-09	2.2E+00	7.2E-04	1.0E-03	1.6E-06	1.6E-01	2.7E-02	7.0E-09
304	0.01	7.5E-09	2.3E+00	7.2E-04	1.0E-03	1.7E-06	1.6E-01	2.7E-02	7.5E-09
305	0.01	8.0E-09	2.5E+00	7.2E-04	1.0E-03	1.9E-06	1.6E-01	2.7E-02	8.0E-09
306	0.01	8.4E-09	2.6E+00	7.2E-04	1.0E-03	2.0E-06	1.6E-01	2.7E-02	8.4E-09
307	0.01	9.0E-09	2.8E+00	7.2E-04	1.0E-03	2.1E-06	1.6E-01	2.7E-02	9.0E-09
308	0.01	9.6E-09	3.0E+00	7.2E-04	1.0E-03	2.2E-06	1.6E-01	2.7E-02	9.6E-09
309	0.01	1.0E-08	3.1E+00	7.2E-04	1.0E-03	2.4E-06	1.6E-01	2.7E-02	1.0E-08
310	0.01	1.1E-08	3.3E+00	7.2E-04	1.0E-03	2.5E-06	1.6E-01	2.7E-02	1.1E-08
311	0.01	1.1E-08	3.5E+00	7.2E-04	1.0E-03	2.6E-06	1.6E-01	2.7E-02	1.1E-08
312	0.01	1.2E-08	3.7E+00	7.2E-04	1.0E-03	2.8E-06	1.6E-01	2.7E-02	1.2E-08
313	0.01	1.3E-08	3.9E+00	7.2E-04	1.0E-03	2.9E-06	1.6E-01	2.7E-02	1.3E-08
314	0.01	1.3E-08	4.1E+00	7.2E-04	1.0E-03	3.1E-06	1.6E-01	2.7E-02	1.3E-08
315	0.01	1.4E-08	4.3E+00	7.2E-04	1.0E-03	3.2E-06	1.6E-01	2.7E-02	1.4E-08

316	0.01	1.5E-08	4.5E+00	7.2E-04	1.0E-03	3.4E-06	1.6E-01	2.7E-02	1.5E-08
317	0.01	1.5E-08	4.6E+00	7.2E-04	1.0E-03	3.5E-06	1.6E-01	2.7E-02	1.5E-08
318	0.02	1.5E-08	4.7E+00	7.2E-04	1.0E-03	3.5E-06	1.6E-01	2.7E-02	1.5E-08
319	0.02	1.5E-08	4.7E+00	7.2E-04	1.0E-03	3.6E-06	1.6E-01	2.7E-02	1.5E-08
320	0.02	1.5E-08	4.7E+00	7.2E-04	1.0E-03	3.6E-06	1.6E-01	2.7E-02	1.5E-08
321	0.02	1.5E-08	4.7E+00	7.2E-04	1.0E-03	3.5E-06	1.6E-01	2.7E-02	1.5E-08
322	0.02	1.5E-08	4.6E+00	7.2E-04	1.0E-03	3.5E-06	1.6E-01	2.7E-02	1.5E-08
323	0.01	1.5E-08	4.5E+00	7.2E-04	1.0E-03	3.4E-06	1.6E-01	2.7E-02	1.5E-08
324	0.01	1.4E-08	4.4E+00	7.2E-04	1.0E-03	3.3E-06	1.6E-01	2.7E-02	1.4E-08
325	0.01	5.8E-09	1.8E+00	7.2E-04	1.0E-03	1.4E-06	1.6E-01	2.7E-02	5.8E-09
326	0.01	6.2E-09	1.9E+00	7.2E-04	1.0E-03	1.4E-06	1.6E-01	2.7E-02	6.2E-09
327	0.01	6.7E-09	2.1E+00	7.2E-04	1.0E-03	1.6E-06	1.6E-01	2.7E-02	6.7E-09
328	0.01	7.2E-09	2.2E+00	7.2E-04	1.0E-03	1.7E-06	1.6E-01	2.7E-02	7.2E-09
329	0.01	7.8E-09	2.4E+00	7.2E-04	1.0E-03	1.8E-06	1.6E-01	2.7E-02	7.8E-09
330	0.01	8.4E-09	2.6E+00	7.2E-04	1.0E-03	1.9E-06	1.6E-01	2.7E-02	8.4E-09
331	0.01	8.9E-09	2.7E+00	7.2E-04	1.0E-03	2.1E-06	1.6E-01	2.7E-02	8.9E-09
332	0.01	9.5E-09	2.9E+00	7.2E-04	1.0E-03	2.2E-06	1.6E-01	2.7E-02	9.5E-09
333	0.01	1.0E-08	3.1E+00	7.2E-04	1.0E-03	2.4E-06	1.6E-01	2.7E-02	1.0E-08
334	0.01	1.1E-08	3.4E+00	7.2E-04	1.0E-03	2.5E-06	1.6E-01	2.7E-02	1.1E-08
335	0.01	1.2E-08	3.6E+00	7.2E-04	1.0E-03	2.7E-06	1.6E-01	2.7E-02	1.2E-08
336	0.01	1.2E-08	3.8E+00	7.2E-04	1.0E-03	2.9E-06	1.6E-01	2.7E-02	1.2E-08
337	0.01	1.3E-08	4.1E+00	7.2E-04	1.0E-03	3.1E-06	1.6E-01	2.7E-02	1.3E-08
338	0.01	1.4E-08	4.3E+00	7.2E-04	1.0E-03	3.2E-06	1.6E-01	2.7E-02	1.4E-08
339	0.01	1.5E-08	4.6E+00	7.2E-04	1.0E-03	3.5E-06	1.6E-01	2.7E-02	1.5E-08
340	0.02	1.6E-08	4.8E+00	7.2E-04	1.0E-03	3.6E-06	1.6E-01	2.7E-02	1.6E-08
341	0.02	1.6E-08	5.0E+00	7.2E-04	1.0E-03	3.8E-06	1.6E-01	2.7E-02	1.6E-08
342	0.02	1.7E-08	5.2E+00	7.2E-04	1.0E-03	4.0E-06	1.6E-01	2.7E-02	1.7E-08
343	0.02	1.7E-08	5.4E+00	7.2E-04	1.0E-03	4.1E-06	1.6E-01	2.7E-02	1.7E-08
344	0.02	1.8E-08	5.4E+00	7.2E-04	1.0E-03	4.1E-06	1.6E-01	2.7E-02	1.8E-08
345	0.02	1.8E-08	5.4E+00	7.2E-04	1.0E-03	4.1E-06	1.6E-01	2.7E-02	1.8E-08
346	0.02	1.7E-08	5.4E+00	7.2E-04	1.0E-03	4.1E-06	1.6E-01	2.7E-02	1.7E-08
347	0.02	1.7E-08	5.3E+00	7.2E-04	1.0E-03	4.0E-06	1.6E-01	2.7E-02	1.7E-08
348	0.02	1.7E-08	5.2E+00	7.2E-04	1.0E-03	3.9E-06	1.6E-01	2.7E-02	1.7E-08
349	0.02	1.6E-08	5.1E+00	7.2E-04	1.0E-03	3.8E-06	1.6E-01	2.7E-02	1.6E-08
350	0.02	1.6E-08	4.9E+00	7.2E-04	1.0E-03	3.7E-06	1.6E-01	2.7E-02	1.6E-08
351	0.01	6.3E-09	1.9E+00	7.2E-04	1.0E-03	1.5E-06	1.6E-01	2.7E-02	6.3E-09
352	0.01	6.8E-09	2.1E+00	7.2E-04	1.0E-03	1.6E-06	1.6E-01	2.7E-02	6.8E-09
353	0.01	7.4E-09	2.3E+00	7.2E-04	1.0E-03	1.7E-06	1.6E-01	2.7E-02	7.4E-09
354	0.01	8.0E-09	2.5E+00	7.2E-04	1.0E-03	1.8E-06	1.6E-01	2.7E-02	8.0E-09
355	0.01	8.6E-09	2.7E+00	7.2E-04	1.0E-03	2.0E-06	1.6E-01	2.7E-02	8.6E-09
356	0.01	9.4E-09	2.9E+00	7.2E-04	1.0E-03	2.2E-06	1.6E-01	2.7E-02	9.4E-09
357	0.01	1.0E-08	3.1E+00	7.2E-04	1.0E-03	2.3E-06	1.6E-01	2.7E-02	1.0E-08
358	0.01	1.1E-08	3.4E+00	7.2E-04	1.0E-03	2.5E-06	1.6E-01	2.7E-02	1.1E-08
359	0.01	1.2E-08	3.6E+00	7.2E-04	1.0E-03	2.7E-06	1.6E-01	2.7E-02	1.2E-08
360	0.01	1.3E-08	3.9E+00	7.2E-04	1.0E-03	3.0E-06	1.6E-01	2.7E-02	1.3E-08
361	0.01	1.4E-08	4.2E+00	7.2E-04	1.0E-03	3.2E-06	1.6E-01	2.7E-02	1.4E-08

362	0.01	1.5E-08	4.5E+00	7.2E-04	1.0E-03	3.4E-06	1.6E-01	2.7E-02	1.5E-08
363	0.02	1.6E-08	4.8E+00	7.2E-04	1.0E-03	3.6E-06	1.6E-01	2.7E-02	1.6E-08
364	0.02	1.7E-08	5.1E+00	7.2E-04	1.0E-03	3.9E-06	1.6E-01	2.7E-02	1.7E-08
365	0.02	1.8E-08	5.4E+00	7.2E-04	1.0E-03	4.1E-06	1.6E-01	2.7E-02	1.8E-08
366	0.02	1.9E-08	5.7E+00	7.2E-04	1.0E-03	4.3E-06	1.6E-01	2.7E-02	1.9E-08
367	0.02	1.9E-08	6.0E+00	7.2E-04	1.0E-03	4.5E-06	1.6E-01	2.7E-02	1.9E-08
368	0.02	2.0E-08	6.2E+00	7.2E-04	1.0E-03	4.7E-06	1.6E-01	2.7E-02	2.0E-08
369	0.02	2.1E-08	6.3E+00	7.2E-04	1.0E-03	4.8E-06	1.6E-01	2.7E-02	2.1E-08
370	0.02	2.1E-08	6.3E+00	7.2E-04	1.0E-03	4.8E-06	1.6E-01	2.7E-02	2.1E-08
371	0.02	2.0E-08	6.3E+00	7.2E-04	1.0E-03	4.7E-06	1.6E-01	2.7E-02	2.0E-08
372	0.02	2.0E-08	6.2E+00	7.2E-04	1.0E-03	4.6E-06	1.6E-01	2.7E-02	2.0E-08
373	0.02	2.0E-08	6.0E+00	7.2E-04	1.0E-03	4.5E-06	1.6E-01	2.7E-02	2.0E-08
374	0.02	1.9E-08	5.8E+00	7.2E-04	1.0E-03	4.4E-06	1.6E-01	2.7E-02	1.9E-08
375	0.02	1.8E-08	5.6E+00	7.2E-04	1.0E-03	4.3E-06	1.6E-01	2.7E-02	1.8E-08
376	0.02	1.8E-08	5.4E+00	7.2E-04	1.0E-03	4.1E-06	1.6E-01	2.7E-02	1.8E-08
377	0.01	6.8E-09	2.1E+00	7.2E-04	1.0E-03	1.6E-06	1.6E-01	2.7E-02	6.8E-09
378	0.01	7.4E-09	2.3E+00	7.2E-04	1.0E-03	1.7E-06	1.6E-01	2.7E-02	7.4E-09
379	0.01	8.1E-09	2.5E+00	7.2E-04	1.0E-03	1.9E-06	1.6E-01	2.7E-02	8.1E-09
380	0.01	8.8E-09	2.7E+00	7.2E-04	1.0E-03	2.0E-06	1.6E-01	2.7E-02	8.8E-09
381	0.01	9.7E-09	3.0E+00	7.2E-04	1.0E-03	2.2E-06	1.6E-01	2.7E-02	9.7E-09
382	0.02	2.4E-08	7.3E+00	7.2E-04	1.0E-03	5.5E-06	1.6E-01	2.7E-02	2.4E-08
383	0.02	2.4E-08	7.5E+00	7.2E-04	1.0E-03	5.6E-06	1.6E-01	2.7E-02	2.4E-08
384	0.02	2.4E-08	7.5E+00	7.2E-04	1.0E-03	5.7E-06	1.6E-01	2.7E-02	2.4E-08
385	0.02	2.4E-08	7.4E+00	7.2E-04	1.0E-03	5.6E-06	1.6E-01	2.7E-02	2.4E-08
386	0.02	2.4E-08	7.3E+00	7.2E-04	1.0E-03	5.5E-06	1.6E-01	2.7E-02	2.4E-08
387	0.02	2.3E-08	7.0E+00	7.2E-04	1.0E-03	5.3E-06	1.6E-01	2.7E-02	2.3E-08
388	0.02	2.2E-08	6.8E+00	7.2E-04	1.0E-03	5.1E-06	1.6E-01	2.7E-02	2.2E-08
389	0.02	2.1E-08	6.5E+00	7.2E-04	1.0E-03	4.9E-06	1.6E-01	2.7E-02	2.1E-08
390	0.02	2.0E-08	6.3E+00	7.2E-04	1.0E-03	4.7E-06	1.6E-01	2.7E-02	2.0E-08
391	0.02	1.9E-08	6.0E+00	7.2E-04	1.0E-03	4.5E-06	1.6E-01	2.7E-02	1.9E-08
392	0.01	7.4E-09	2.3E+00	7.2E-04	1.0E-03	1.7E-06	1.6E-01	2.7E-02	7.4E-09
393	0.01	8.1E-09	2.5E+00	7.2E-04	1.0E-03	1.9E-06	1.6E-01	2.7E-02	8.1E-09
394	0.01	8.9E-09	2.7E+00	7.2E-04	1.0E-03	2.1E-06	1.6E-01	2.7E-02	8.9E-09
395	0.01	9.7E-09	3.0E+00	7.2E-04	1.0E-03	2.3E-06	1.6E-01	2.7E-02	9.7E-09
396	0.01	1.1E-08	3.3E+00	7.2E-04	1.0E-03	2.5E-06	1.6E-01	2.7E-02	1.1E-08
397	0.03	2.9E-08	8.9E+00	7.2E-04	1.0E-03	6.7E-06	1.6E-01	2.7E-02	2.9E-08
398	0.03	2.9E-08	9.0E+00	7.2E-04	1.0E-03	6.8E-06	1.6E-01	2.7E-02	2.9E-08
399	0.03	2.9E-08	9.0E+00	7.2E-04	1.0E-03	6.8E-06	1.6E-01	2.7E-02	2.9E-08
400	0.03	2.8E-08	8.7E+00	7.2E-04	1.0E-03	6.6E-06	1.6E-01	2.7E-02	2.8E-08
401	0.03	2.7E-08	8.4E+00	7.2E-04	1.0E-03	6.3E-06	1.6E-01	2.7E-02	2.7E-08
402	0.03	2.6E-08	8.1E+00	7.2E-04	1.0E-03	6.1E-06	1.6E-01	2.7E-02	2.6E-08
403	0.02	2.5E-08	7.7E+00	7.2E-04	1.0E-03	5.8E-06	1.6E-01	2.7E-02	2.5E-08
404	0.02	2.4E-08	7.3E+00	7.2E-04	1.0E-03	5.5E-06	1.6E-01	2.7E-02	2.4E-08
405	0.02	2.2E-08	6.9E+00	7.2E-04	1.0E-03	5.2E-06	1.6E-01	2.7E-02	2.2E-08
406	0.02	2.1E-08	6.6E+00	7.2E-04	1.0E-03	4.9E-06	1.6E-01	2.7E-02	2.1E-08
407	0.01	7.9E-09	2.4E+00	7.2E-04	1.0E-03	1.8E-06	1.6E-01	2.7E-02	7.9E-09

408	0.01	8.7E-09	2.7E+00	7.2E-04	1.0E-03	2.0E-06	1.6E-01	2.7E-02	8.7E-09
409	0.01	9.6E-09	3.0E+00	7.2E-04	1.0E-03	2.2E-06	1.6E-01	2.7E-02	9.6E-09
410	0.01	1.1E-08	3.3E+00	7.2E-04	1.0E-03	2.5E-06	1.6E-01	2.7E-02	1.1E-08
411	0.01	1.2E-08	3.7E+00	7.2E-04	1.0E-03	2.8E-06	1.6E-01	2.7E-02	1.2E-08
412	0.04	3.6E-08	1.1E+01	7.2E-04	1.0E-03	8.4E-06	1.6E-01	2.7E-02	3.6E-08
413	0.04	3.6E-08	1.1E+01	7.2E-04	1.0E-03	8.3E-06	1.6E-01	2.7E-02	3.6E-08
414	0.03	3.5E-08	1.1E+01	7.2E-04	1.0E-03	8.1E-06	1.6E-01	2.7E-02	3.5E-08
415	0.03	3.3E-08	1.0E+01	7.2E-04	1.0E-03	7.7E-06	1.6E-01	2.7E-02	3.3E-08
416	0.03	3.2E-08	9.7E+00	7.2E-04	1.0E-03	7.3E-06	1.6E-01	2.7E-02	3.2E-08
417	0.03	3.0E-08	9.2E+00	7.2E-04	1.0E-03	6.9E-06	1.6E-01	2.7E-02	3.0E-08
418	0.03	2.8E-08	8.7E+00	7.2E-04	1.0E-03	6.5E-06	1.6E-01	2.7E-02	2.8E-08
419	0.03	2.6E-08	8.1E+00	7.2E-04	1.0E-03	6.1E-06	1.6E-01	2.7E-02	2.6E-08
420	0.02	2.5E-08	7.6E+00	7.2E-04	1.0E-03	5.7E-06	1.6E-01	2.7E-02	2.5E-08
421	0.02	2.3E-08	7.2E+00	7.2E-04	1.0E-03	5.4E-06	1.6E-01	2.7E-02	2.3E-08
422	0.01	8.5E-09	2.6E+00	7.2E-04	1.0E-03	2.0E-06	1.6E-01	2.7E-02	8.5E-09
423	0.01	9.4E-09	2.9E+00	7.2E-04	1.0E-03	2.2E-06	1.6E-01	2.7E-02	9.4E-09
424	0.01	1.1E-08	3.2E+00	7.2E-04	1.0E-03	2.4E-06	1.6E-01	2.7E-02	1.1E-08
425	0.01	1.2E-08	3.6E+00	7.2E-04	1.0E-03	2.7E-06	1.6E-01	2.7E-02	1.2E-08
426	0.01	1.3E-08	4.1E+00	7.2E-04	1.0E-03	3.1E-06	1.6E-01	2.7E-02	1.3E-08
427	0.05	4.6E-08	1.4E+01	7.2E-04	1.0E-03	1.1E-05	1.6E-01	2.7E-02	4.6E-08
428	0.04	4.4E-08	1.4E+01	7.2E-04	1.0E-03	1.0E-05	1.6E-01	2.7E-02	4.4E-08
429	0.04	4.2E-08	1.3E+01	7.2E-04	1.0E-03	9.7E-06	1.6E-01	2.7E-02	4.2E-08
430	0.04	3.9E-08	1.2E+01	7.2E-04	1.0E-03	9.1E-06	1.6E-01	2.7E-02	3.9E-08
431	0.04	3.6E-08	1.1E+01	7.2E-04	1.0E-03	8.5E-06	1.6E-01	2.7E-02	3.6E-08
432	0.03	3.4E-08	1.0E+01	7.2E-04	1.0E-03	7.9E-06	1.6E-01	2.7E-02	3.4E-08
433	0.03	3.1E-08	9.7E+00	7.2E-04	1.0E-03	7.3E-06	1.6E-01	2.7E-02	3.1E-08
434	0.03	2.9E-08	9.0E+00	7.2E-04	1.0E-03	6.8E-06	1.6E-01	2.7E-02	2.9E-08
435	0.03	2.7E-08	8.3E+00	7.2E-04	1.0E-03	6.3E-06	1.6E-01	2.7E-02	2.7E-08
436	0.03	2.5E-08	7.8E+00	7.2E-04	1.0E-03	5.9E-06	1.6E-01	2.7E-02	2.5E-08
437	0.01	9.1E-09	2.8E+00	7.2E-04	1.0E-03	2.1E-06	1.6E-01	2.7E-02	9.1E-09
438	0.01	1.0E-08	3.1E+00	7.2E-04	1.0E-03	2.4E-06	1.6E-01	2.7E-02	1.0E-08
439	0.01	1.1E-08	3.5E+00	7.2E-04	1.0E-03	2.7E-06	1.6E-01	2.7E-02	1.1E-08
440	0.01	1.3E-08	4.0E+00	7.2E-04	1.0E-03	3.0E-06	1.6E-01	2.7E-02	1.3E-08
441	0.01	1.5E-08	4.6E+00	7.2E-04	1.0E-03	3.5E-06	1.6E-01	2.7E-02	1.5E-08
442	0.06	5.9E-08	1.8E+01	7.2E-04	1.0E-03	1.4E-05	1.6E-01	2.7E-02	5.9E-08
443	0.05	5.5E-08	1.7E+01	7.2E-04	1.0E-03	1.3E-05	1.6E-01	2.7E-02	5.5E-08
444	0.05	5.0E-08	1.5E+01	7.2E-04	1.0E-03	1.2E-05	1.6E-01	2.7E-02	5.0E-08
445	0.05	4.6E-08	1.4E+01	7.2E-04	1.0E-03	1.1E-05	1.6E-01	2.7E-02	4.6E-08
446	0.04	4.2E-08	1.3E+01	7.2E-04	1.0E-03	9.7E-06	1.6E-01	2.7E-02	4.2E-08
447	0.04	3.8E-08	1.2E+01	7.2E-04	1.0E-03	8.9E-06	1.6E-01	2.7E-02	3.8E-08
448	0.04	3.5E-08	1.1E+01	7.2E-04	1.0E-03	8.1E-06	1.6E-01	2.7E-02	3.5E-08
449	0.03	3.2E-08	9.9E+00	7.2E-04	1.0E-03	7.5E-06	1.6E-01	2.7E-02	3.2E-08
450	0.03	2.9E-08	9.1E+00	7.2E-04	1.0E-03	6.8E-06	1.6E-01	2.7E-02	2.9E-08
451	0.03	2.7E-08	8.4E+00	7.2E-04	1.0E-03	6.3E-06	1.6E-01	2.7E-02	2.7E-08
452	0.01	9.8E-09	3.0E+00	7.2E-04	1.0E-03	2.3E-06	1.6E-01	2.7E-02	9.8E-09
453	0.01	1.1E-08	3.4E+00	7.2E-04	1.0E-03	2.6E-06	1.6E-01	2.7E-02	1.1E-08

454	0.01	1.3E-08	3.9E+00	7.2E-04	1.0E-03	2.9E-06	1.6E-01	2.7E-02	1.3E-08
455	0.01	1.4E-08	4.4E+00	7.2E-04	1.0E-03	3.3E-06	1.6E-01	2.7E-02	1.4E-08
456	0.02	1.7E-08	5.2E+00	7.2E-04	1.0E-03	3.9E-06	1.6E-01	2.7E-02	1.7E-08
457	0.08	7.6E-08	2.3E+01	7.2E-04	1.0E-03	1.8E-05	1.6E-01	2.7E-02	7.6E-08
458	0.07	6.7E-08	2.1E+01	7.2E-04	1.0E-03	1.6E-05	1.6E-01	2.7E-02	6.7E-08
459	0.06	5.9E-08	1.8E+01	7.2E-04	1.0E-03	1.4E-05	1.6E-01	2.7E-02	5.9E-08
460	0.05	5.3E-08	1.6E+01	7.2E-04	1.0E-03	1.2E-05	1.6E-01	2.7E-02	5.3E-08
461	0.05	4.7E-08	1.5E+01	7.2E-04	1.0E-03	1.1E-05	1.6E-01	2.7E-02	4.7E-08
462	0.04	4.3E-08	1.3E+01	7.2E-04	1.0E-03	9.9E-06	1.6E-01	2.7E-02	4.3E-08
463	0.04	3.9E-08	1.2E+01	7.2E-04	1.0E-03	9.0E-06	1.6E-01	2.7E-02	3.9E-08
464	0.04	3.5E-08	1.1E+01	7.2E-04	1.0E-03	8.2E-06	1.6E-01	2.7E-02	3.5E-08
465	0.03	3.2E-08	9.8E+00	7.2E-04	1.0E-03	7.4E-06	1.6E-01	2.7E-02	3.2E-08
466	0.03	2.9E-08	9.0E+00	7.2E-04	1.0E-03	6.8E-06	1.6E-01	2.7E-02	2.9E-08
467	0.01	1.0E-08	3.2E+00	7.2E-04	1.0E-03	2.4E-06	1.6E-01	2.7E-02	1.0E-08
468	0.01	1.2E-08	3.6E+00	7.2E-04	1.0E-03	2.7E-06	1.6E-01	2.7E-02	1.2E-08
469	0.01	1.4E-08	4.2E+00	7.2E-04	1.0E-03	3.1E-06	1.6E-01	2.7E-02	1.4E-08
470	0.02	1.6E-08	4.9E+00	7.2E-04	1.0E-03	3.7E-06	1.6E-01	2.7E-02	1.6E-08
471	0.02	1.9E-08	5.8E+00	7.2E-04	1.0E-03	4.4E-06	1.6E-01	2.7E-02	1.9E-08
472	0.10	9.6E-08	3.0E+01	7.2E-04	1.0E-03	2.2E-05	1.6E-01	2.7E-02	9.6E-08
473	0.08	8.1E-08	2.5E+01	7.2E-04	1.0E-03	1.9E-05	1.6E-01	2.7E-02	8.1E-08
474	0.07	6.9E-08	2.1E+01	7.2E-04	1.0E-03	1.6E-05	1.6E-01	2.7E-02	6.9E-08
475	0.06	6.0E-08	1.8E+01	7.2E-04	1.0E-03	1.4E-05	1.6E-01	2.7E-02	6.0E-08
476	0.05	5.3E-08	1.6E+01	7.2E-04	1.0E-03	1.2E-05	1.6E-01	2.7E-02	5.3E-08
477	0.05	4.7E-08	1.4E+01	7.2E-04	1.0E-03	1.1E-05	1.6E-01	2.7E-02	4.7E-08
478	0.04	4.2E-08	1.3E+01	7.2E-04	1.0E-03	9.8E-06	1.6E-01	2.7E-02	4.2E-08
479	0.04	3.8E-08	1.2E+01	7.2E-04	1.0E-03	8.8E-06	1.6E-01	2.7E-02	3.8E-08
480	0.03	3.4E-08	1.1E+01	7.2E-04	1.0E-03	8.0E-06	1.6E-01	2.7E-02	3.4E-08
481	0.03	3.1E-08	9.6E+00	7.2E-04	1.0E-03	7.2E-06	1.6E-01	2.7E-02	3.1E-08
482	0.01	1.1E-08	3.4E+00	7.2E-04	1.0E-03	2.5E-06	1.6E-01	2.7E-02	1.1E-08
483	0.01	1.3E-08	3.9E+00	7.2E-04	1.0E-03	2.9E-06	1.6E-01	2.7E-02	1.3E-08
484	0.01	1.5E-08	4.5E+00	7.2E-04	1.0E-03	3.4E-06	1.6E-01	2.7E-02	1.5E-08
485	0.02	1.7E-08	5.3E+00	7.2E-04	1.0E-03	4.0E-06	1.6E-01	2.7E-02	1.7E-08
486	0.02	2.1E-08	6.5E+00	7.2E-04	1.0E-03	4.9E-06	1.6E-01	2.7E-02	2.1E-08
487	0.11	1.1E-07	3.5E+01	7.2E-04	1.0E-03	2.7E-05	1.6E-01	2.7E-02	1.1E-07
488	0.09	9.3E-08	2.9E+01	7.2E-04	1.0E-03	2.2E-05	1.6E-01	2.7E-02	9.3E-08
489	0.08	7.8E-08	2.4E+01	7.2E-04	1.0E-03	1.8E-05	1.6E-01	2.7E-02	7.8E-08
490	0.07	6.7E-08	2.1E+01	7.2E-04	1.0E-03	1.6E-05	1.6E-01	2.7E-02	6.7E-08
491	0.06	5.8E-08	1.8E+01	7.2E-04	1.0E-03	1.4E-05	1.6E-01	2.7E-02	5.8E-08
492	0.05	5.1E-08	1.6E+01	7.2E-04	1.0E-03	1.2E-05	1.6E-01	2.7E-02	5.1E-08
493	0.05	4.6E-08	1.4E+01	7.2E-04	1.0E-03	1.1E-05	1.6E-01	2.7E-02	4.6E-08
494	0.04	4.1E-08	1.3E+01	7.2E-04	1.0E-03	9.5E-06	1.6E-01	2.7E-02	4.1E-08
495	0.04	3.7E-08	1.1E+01	7.2E-04	1.0E-03	8.5E-06	1.6E-01	2.7E-02	3.7E-08
496	0.03	3.3E-08	1.0E+01	7.2E-04	1.0E-03	7.6E-06	1.6E-01	2.7E-02	3.3E-08
497	0.01	1.1E-08	3.5E+00	7.2E-04	1.0E-03	2.7E-06	1.6E-01	2.7E-02	1.1E-08
498	0.01	1.3E-08	4.1E+00	7.2E-04	1.0E-03	3.1E-06	1.6E-01	2.7E-02	1.3E-08
499	0.02	1.6E-08	4.9E+00	7.2E-04	1.0E-03	3.7E-06	1.6E-01	2.7E-02	1.6E-08

500	0.02	1.9E-08	5.9E+00	7.2E-04	1.0E-03	4.4E-06	1.6E-01	2.7E-02	1.9E-08
501	0.02	2.4E-08	7.3E+00	7.2E-04	1.0E-03	5.5E-06	1.6E-01	2.7E-02	2.4E-08
502	0.13	1.3E-07	4.0E+01	7.2E-04	1.0E-03	3.0E-05	1.6E-01	2.7E-02	1.3E-07
503	0.10	1.0E-07	3.2E+01	7.2E-04	1.0E-03	2.4E-05	1.6E-01	2.7E-02	1.0E-07
504	0.09	8.6E-08	2.6E+01	7.2E-04	1.0E-03	2.0E-05	1.6E-01	2.7E-02	8.6E-08
505	0.07	7.3E-08	2.3E+01	7.2E-04	1.0E-03	1.7E-05	1.6E-01	2.7E-02	7.3E-08
506	0.06	6.3E-08	2.0E+01	7.2E-04	1.0E-03	1.5E-05	1.6E-01	2.7E-02	6.3E-08
507	0.06	5.6E-08	1.7E+01	7.2E-04	1.0E-03	1.3E-05	1.6E-01	2.7E-02	5.6E-08
508	0.05	4.9E-08	1.5E+01	7.2E-04	1.0E-03	1.1E-05	1.6E-01	2.7E-02	4.9E-08
509	0.04	4.3E-08	1.3E+01	7.2E-04	1.0E-03	1.0E-05	1.6E-01	2.7E-02	4.3E-08
510	0.04	3.9E-08	1.2E+01	7.2E-04	1.0E-03	9.0E-06	1.6E-01	2.7E-02	3.9E-08
511	0.03	3.4E-08	1.1E+01	7.2E-04	1.0E-03	8.0E-06	1.6E-01	2.7E-02	3.4E-08
512	0.01	1.2E-08	3.7E+00	7.2E-04	1.0E-03	2.8E-06	1.6E-01	2.7E-02	1.2E-08
513	0.01	1.4E-08	4.3E+00	7.2E-04	1.0E-03	3.2E-06	1.6E-01	2.7E-02	1.4E-08
514	0.02	1.7E-08	5.1E+00	7.2E-04	1.0E-03	3.9E-06	1.6E-01	2.7E-02	1.7E-08
515	0.02	2.0E-08	6.3E+00	7.2E-04	1.0E-03	4.7E-06	1.6E-01	2.7E-02	2.0E-08
516	0.03	2.6E-08	7.9E+00	7.2E-04	1.0E-03	6.0E-06	1.6E-01	2.7E-02	2.6E-08
517	0.14	1.4E-07	4.3E+01	7.2E-04	1.0E-03	3.2E-05	1.6E-01	2.7E-02	1.4E-07
518	0.11	1.1E-07	3.5E+01	7.2E-04	1.0E-03	2.6E-05	1.6E-01	2.7E-02	1.1E-07
519	0.09	9.4E-08	2.9E+01	7.2E-04	1.0E-03	2.2E-05	1.6E-01	2.7E-02	9.4E-08
520	0.08	8.0E-08	2.5E+01	7.2E-04	1.0E-03	1.8E-05	1.6E-01	2.7E-02	8.0E-08
521	0.07	6.9E-08	2.1E+01	7.2E-04	1.0E-03	1.6E-05	1.6E-01	2.7E-02	6.9E-08
522	0.06	6.0E-08	1.8E+01	7.2E-04	1.0E-03	1.4E-05	1.6E-01	2.7E-02	6.0E-08
523	0.05	5.2E-08	1.6E+01	7.2E-04	1.0E-03	1.2E-05	1.6E-01	2.7E-02	5.2E-08
524	0.05	4.6E-08	1.4E+01	7.2E-04	1.0E-03	1.1E-05	1.6E-01	2.7E-02	4.6E-08
525	0.04	4.0E-08	1.2E+01	7.2E-04	1.0E-03	9.4E-06	1.6E-01	2.7E-02	4.0E-08
526	0.04	3.6E-08	1.1E+01	7.2E-04	1.0E-03	8.3E-06	1.6E-01	2.7E-02	3.6E-08
527	0.01	1.2E-08	3.8E+00	7.2E-04	1.0E-03	2.9E-06	1.6E-01	2.7E-02	1.2E-08
528	0.01	1.5E-08	4.5E+00	7.2E-04	1.0E-03	3.4E-06	1.6E-01	2.7E-02	1.5E-08
529	0.02	1.7E-08	5.4E+00	7.2E-04	1.0E-03	4.1E-06	1.6E-01	2.7E-02	1.7E-08
530	0.02	2.2E-08	6.7E+00	7.2E-04	1.0E-03	5.0E-06	1.6E-01	2.7E-02	2.2E-08
531	0.03	2.8E-08	8.5E+00	7.2E-04	1.0E-03	6.4E-06	1.6E-01	2.7E-02	2.8E-08
532	0.15	1.5E-07	4.6E+01	7.2E-04	1.0E-03	3.5E-05	1.6E-01	2.7E-02	1.5E-07
533	0.12	1.2E-07	3.8E+01	7.2E-04	1.0E-03	2.9E-05	1.6E-01	2.7E-02	1.2E-07
534	0.10	1.0E-07	3.1E+01	7.2E-04	1.0E-03	2.3E-05	1.6E-01	2.7E-02	1.0E-07
535	0.08	8.5E-08	2.6E+01	7.2E-04	1.0E-03	2.0E-05	1.6E-01	2.7E-02	8.5E-08
536	0.07	7.2E-08	2.2E+01	7.2E-04	1.0E-03	1.7E-05	1.6E-01	2.7E-02	7.2E-08
537	0.06	6.3E-08	1.9E+01	7.2E-04	1.0E-03	1.5E-05	1.6E-01	2.7E-02	6.3E-08
538	0.05	5.4E-08	1.7E+01	7.2E-04	1.0E-03	1.3E-05	1.6E-01	2.7E-02	5.4E-08
539	0.05	4.8E-08	1.5E+01	7.2E-04	1.0E-03	1.1E-05	1.6E-01	2.7E-02	4.8E-08
540	0.04	4.2E-08	1.3E+01	7.2E-04	1.0E-03	9.7E-06	1.6E-01	2.7E-02	4.2E-08
541	0.04	3.6E-08	1.1E+01	7.2E-04	1.0E-03	8.4E-06	1.6E-01	2.7E-02	3.6E-08
542	0.01	1.3E-08	3.9E+00	7.2E-04	1.0E-03	2.9E-06	1.6E-01	2.7E-02	1.3E-08
543	0.01	1.5E-08	4.6E+00	7.2E-04	1.0E-03	3.5E-06	1.6E-01	2.7E-02	1.5E-08
544	0.02	1.8E-08	5.6E+00	7.2E-04	1.0E-03	4.2E-06	1.6E-01	2.7E-02	1.8E-08
545	0.02	2.3E-08	7.0E+00	7.2E-04	1.0E-03	5.3E-06	1.6E-01	2.7E-02	2.3E-08

546	0.03	2.9E-08	9.0E+00	7.2E-04	1.0E-03	6.8E-06	1.6E-01	2.7E-02	2.9E-08
547	0.17	1.7E-07	5.1E+01	7.2E-04	1.0E-03	3.8E-05	1.6E-01	2.7E-02	1.7E-07
548	0.13	1.3E-07	4.1E+01	7.2E-04	1.0E-03	3.1E-05	1.6E-01	2.7E-02	1.3E-07
549	0.11	1.1E-07	3.4E+01	7.2E-04	1.0E-03	2.5E-05	1.6E-01	2.7E-02	1.1E-07
550	0.09	9.0E-08	2.8E+01	7.2E-04	1.0E-03	2.1E-05	1.6E-01	2.7E-02	9.0E-08
551	0.07	7.4E-08	2.3E+01	7.2E-04	1.0E-03	1.7E-05	1.6E-01	2.7E-02	7.4E-08
552	0.06	6.3E-08	1.9E+01	7.2E-04	1.0E-03	1.5E-05	1.6E-01	2.7E-02	6.3E-08
553	0.05	5.5E-08	1.7E+01	7.2E-04	1.0E-03	1.3E-05	1.6E-01	2.7E-02	5.5E-08
554	0.05	4.8E-08	1.5E+01	7.2E-04	1.0E-03	1.1E-05	1.6E-01	2.7E-02	4.8E-08
555	0.04	4.2E-08	1.3E+01	7.2E-04	1.0E-03	9.6E-06	1.6E-01	2.7E-02	4.2E-08
556	0.04	3.6E-08	1.1E+01	7.2E-04	1.0E-03	8.4E-06	1.6E-01	2.7E-02	3.6E-08
557	0.01	1.3E-08	3.9E+00	7.2E-04	1.0E-03	3.0E-06	1.6E-01	2.7E-02	1.3E-08
558	0.02	1.5E-08	4.7E+00	7.2E-04	1.0E-03	3.5E-06	1.6E-01	2.7E-02	1.5E-08
559	0.02	1.9E-08	5.7E+00	7.2E-04	1.0E-03	4.3E-06	1.6E-01	2.7E-02	1.9E-08
560	0.02	2.3E-08	7.2E+00	7.2E-04	1.0E-03	5.4E-06	1.6E-01	2.7E-02	2.3E-08
561	0.03	3.0E-08	9.2E+00	7.2E-04	1.0E-03	6.9E-06	1.6E-01	2.7E-02	3.0E-08
562	0.15	1.5E-07	4.6E+01	7.2E-04	1.0E-03	3.4E-05	1.6E-01	2.7E-02	1.5E-07
563	0.12	1.2E-07	3.7E+01	7.2E-04	1.0E-03	2.8E-05	1.6E-01	2.7E-02	1.2E-07
564	0.10	9.7E-08	3.0E+01	7.2E-04	1.0E-03	2.3E-05	1.6E-01	2.7E-02	9.7E-08
565	0.07	7.4E-08	2.3E+01	7.2E-04	1.0E-03	1.7E-05	1.6E-01	2.7E-02	7.4E-08
566	0.06	6.2E-08	1.9E+01	7.2E-04	1.0E-03	1.4E-05	1.6E-01	2.7E-02	6.2E-08
567	0.05	5.3E-08	1.6E+01	7.2E-04	1.0E-03	1.2E-05	1.6E-01	2.7E-02	5.3E-08
568	0.05	4.5E-08	1.4E+01	7.2E-04	1.0E-03	1.1E-05	1.6E-01	2.7E-02	4.5E-08
569	0.04	3.9E-08	1.2E+01	7.2E-04	1.0E-03	9.2E-06	1.6E-01	2.7E-02	3.9E-08
570	0.03	3.5E-08	1.1E+01	7.2E-04	1.0E-03	8.1E-06	1.6E-01	2.7E-02	3.5E-08
571	0.01	1.3E-08	4.0E+00	7.2E-04	1.0E-03	3.0E-06	1.6E-01	2.7E-02	1.3E-08
572	0.02	1.5E-08	4.7E+00	7.2E-04	1.0E-03	3.6E-06	1.6E-01	2.7E-02	1.5E-08
573	0.02	1.9E-08	5.7E+00	7.2E-04	1.0E-03	4.3E-06	1.6E-01	2.7E-02	1.9E-08
574	0.02	2.3E-08	7.2E+00	7.2E-04	1.0E-03	5.4E-06	1.6E-01	2.7E-02	2.3E-08
575	0.03	3.0E-08	9.2E+00	7.2E-04	1.0E-03	7.0E-06	1.6E-01	2.7E-02	3.0E-08
576	0.14	1.4E-07	4.2E+01	7.2E-04	1.0E-03	3.1E-05	1.6E-01	2.7E-02	1.4E-07
577	0.11	1.1E-07	3.3E+01	7.2E-04	1.0E-03	2.5E-05	1.6E-01	2.7E-02	1.1E-07
578	0.08	8.4E-08	2.6E+01	7.2E-04	1.0E-03	2.0E-05	1.6E-01	2.7E-02	8.4E-08
579	0.07	6.9E-08	2.1E+01	7.2E-04	1.0E-03	1.6E-05	1.6E-01	2.7E-02	6.9E-08
580	0.06	5.7E-08	1.8E+01	7.2E-04	1.0E-03	1.3E-05	1.6E-01	2.7E-02	5.7E-08
581	0.05	4.7E-08	1.5E+01	7.2E-04	1.0E-03	1.1E-05	1.6E-01	2.7E-02	4.7E-08
582	0.04	4.0E-08	1.2E+01	7.2E-04	1.0E-03	9.2E-06	1.6E-01	2.7E-02	4.0E-08
583	0.03	3.4E-08	1.0E+01	7.2E-04	1.0E-03	7.8E-06	1.6E-01	2.7E-02	3.4E-08
584	0.01	1.3E-08	3.9E+00	7.2E-04	1.0E-03	3.0E-06	1.6E-01	2.7E-02	1.3E-08
585	0.02	1.5E-08	4.7E+00	7.2E-04	1.0E-03	3.5E-06	1.6E-01	2.7E-02	1.5E-08
586	0.02	1.9E-08	5.7E+00	7.2E-04	1.0E-03	4.3E-06	1.6E-01	2.7E-02	1.9E-08
587	0.02	2.3E-08	7.1E+00	7.2E-04	1.0E-03	5.4E-06	1.6E-01	2.7E-02	2.3E-08
588	0.03	3.0E-08	9.1E+00	7.2E-04	1.0E-03	6.9E-06	1.6E-01	2.7E-02	3.0E-08
589	0.13	1.3E-07	3.9E+01	7.2E-04	1.0E-03	2.9E-05	1.6E-01	2.7E-02	1.3E-07
590	0.10	1.0E-07	3.1E+01	7.2E-04	1.0E-03	2.3E-05	1.6E-01	2.7E-02	1.0E-07
591	0.08	8.0E-08	2.5E+01	7.2E-04	1.0E-03	1.9E-05	1.6E-01	2.7E-02	8.0E-08

592	0.06	6.3E-08	1.9E+01	7.2E-04	1.0E-03	1.5E-05	1.6E-01	2.7E-02	6.3E-08
593	0.05	5.1E-08	1.6E+01	7.2E-04	1.0E-03	1.2E-05	1.6E-01	2.7E-02	5.1E-08
594	0.04	4.2E-08	1.3E+01	7.2E-04	1.0E-03	9.7E-06	1.6E-01	2.7E-02	4.2E-08
595	0.03	3.4E-08	1.1E+01	7.2E-04	1.0E-03	8.0E-06	1.6E-01	2.7E-02	3.4E-08
596	0.01	1.3E-08	3.9E+00	7.2E-04	1.0E-03	2.9E-06	1.6E-01	2.7E-02	1.3E-08
597	0.02	1.5E-08	4.6E+00	7.2E-04	1.0E-03	3.5E-06	1.6E-01	2.7E-02	1.5E-08
598	0.02	1.8E-08	5.6E+00	7.2E-04	1.0E-03	4.2E-06	1.6E-01	2.7E-02	1.8E-08
599	0.02	2.2E-08	6.9E+00	7.2E-04	1.0E-03	5.2E-06	1.6E-01	2.7E-02	2.2E-08
600	0.03	2.8E-08	8.7E+00	7.2E-04	1.0E-03	6.6E-06	1.6E-01	2.7E-02	2.8E-08
601	0.11	1.1E-07	3.3E+01	7.2E-04	1.0E-03	2.5E-05	1.6E-01	2.7E-02	1.1E-07
602	0.08	8.2E-08	2.5E+01	7.2E-04	1.0E-03	1.9E-05	1.6E-01	2.7E-02	8.2E-08
603	0.06	6.4E-08	2.0E+01	7.2E-04	1.0E-03	1.5E-05	1.6E-01	2.7E-02	6.4E-08
604	0.05	5.2E-08	1.6E+01	7.2E-04	1.0E-03	1.2E-05	1.6E-01	2.7E-02	5.2E-08
605	0.04	4.2E-08	1.3E+01	7.2E-04	1.0E-03	9.8E-06	1.6E-01	2.7E-02	4.2E-08
606	0.03	3.5E-08	1.1E+01	7.2E-04	1.0E-03	8.0E-06	1.6E-01	2.7E-02	3.5E-08
607	0.01	1.2E-08	3.8E+00	7.2E-04	1.0E-03	2.9E-06	1.6E-01	2.7E-02	1.2E-08
608	0.01	1.5E-08	4.5E+00	7.2E-04	1.0E-03	3.4E-06	1.6E-01	2.7E-02	1.5E-08
609	0.02	1.7E-08	5.4E+00	7.2E-04	1.0E-03	4.1E-06	1.6E-01	2.7E-02	1.7E-08
610	0.02	2.1E-08	6.6E+00	7.2E-04	1.0E-03	4.9E-06	1.6E-01	2.7E-02	2.1E-08
611	0.03	2.7E-08	8.2E+00	7.2E-04	1.0E-03	6.2E-06	1.6E-01	2.7E-02	2.7E-08
612	0.11	1.1E-07	3.3E+01	7.2E-04	1.0E-03	2.5E-05	1.6E-01	2.7E-02	1.1E-07
613	0.08	8.1E-08	2.5E+01	7.2E-04	1.0E-03	1.9E-05	1.6E-01	2.7E-02	8.1E-08
614	0.06	6.2E-08	1.9E+01	7.2E-04	1.0E-03	1.4E-05	1.6E-01	2.7E-02	6.2E-08
615	0.05	5.0E-08	1.5E+01	7.2E-04	1.0E-03	1.2E-05	1.6E-01	2.7E-02	5.0E-08
616	0.04	4.1E-08	1.3E+01	7.2E-04	1.0E-03	9.4E-06	1.6E-01	2.7E-02	4.1E-08
617	0.03	3.3E-08	1.0E+01	7.2E-04	1.0E-03	7.7E-06	1.6E-01	2.7E-02	3.3E-08
618	0.01	1.2E-08	3.7E+00	7.2E-04	1.0E-03	2.8E-06	1.6E-01	2.7E-02	1.2E-08
619	0.01	1.4E-08	4.3E+00	7.2E-04	1.0E-03	3.2E-06	1.6E-01	2.7E-02	1.4E-08
620	0.02	1.7E-08	5.1E+00	7.2E-04	1.0E-03	3.9E-06	1.6E-01	2.7E-02	1.7E-08
621	0.02	2.0E-08	6.1E+00	7.2E-04	1.0E-03	4.6E-06	1.6E-01	2.7E-02	2.0E-08
622	0.02	2.5E-08	7.6E+00	7.2E-04	1.0E-03	5.7E-06	1.6E-01	2.7E-02	2.5E-08
623	0.10	1.0E-07	3.1E+01	7.2E-04	1.0E-03	2.4E-05	1.6E-01	2.7E-02	1.0E-07
624	0.08	7.5E-08	2.3E+01	7.2E-04	1.0E-03	1.7E-05	1.6E-01	2.7E-02	7.5E-08
625	0.06	5.8E-08	1.8E+01	7.2E-04	1.0E-03	1.3E-05	1.6E-01	2.7E-02	5.8E-08
626	0.05	4.7E-08	1.4E+01	7.2E-04	1.0E-03	1.1E-05	1.6E-01	2.7E-02	4.7E-08
627	0.04	3.9E-08	1.2E+01	7.2E-04	1.0E-03	8.9E-06	1.6E-01	2.7E-02	3.9E-08
628	0.03	3.2E-08	9.8E+00	7.2E-04	1.0E-03	7.4E-06	1.6E-01	2.7E-02	3.2E-08
629	0.01	1.1E-08	3.5E+00	7.2E-04	1.0E-03	2.6E-06	1.6E-01	2.7E-02	1.1E-08
630	0.01	1.3E-08	4.1E+00	7.2E-04	1.0E-03	3.1E-06	1.6E-01	2.7E-02	1.3E-08
631	0.02	1.6E-08	4.8E+00	7.2E-04	1.0E-03	3.6E-06	1.6E-01	2.7E-02	1.6E-08
632	0.02	1.9E-08	5.7E+00	7.2E-04	1.0E-03	4.3E-06	1.6E-01	2.7E-02	1.9E-08
633	0.02	2.3E-08	6.9E+00	7.2E-04	1.0E-03	5.2E-06	1.6E-01	2.7E-02	2.3E-08
634	0.09	8.7E-08	2.7E+01	7.2E-04	1.0E-03	2.0E-05	1.6E-01	2.7E-02	8.7E-08
635	0.07	6.6E-08	2.0E+01	7.2E-04	1.0E-03	1.5E-05	1.6E-01	2.7E-02	6.6E-08
636	0.05	5.2E-08	1.6E+01	7.2E-04	1.0E-03	1.2E-05	1.6E-01	2.7E-02	5.2E-08
637	0.04	4.3E-08	1.3E+01	7.2E-04	1.0E-03	9.9E-06	1.6E-01	2.7E-02	4.3E-08

638	0.04	3.5E-08	1.1E+01	7.2E-04	1.0E-03	8.2E-06	1.6E-01	2.7E-02	3.5E-08
639	0.03	3.0E-08	9.2E+00	7.2E-04	1.0E-03	7.0E-06	1.6E-01	2.7E-02	3.0E-08
640	0.01	1.1E-08	3.3E+00	7.2E-04	1.0E-03	2.5E-06	1.6E-01	2.7E-02	1.1E-08
641	0.01	1.2E-08	3.8E+00	7.2E-04	1.0E-03	2.9E-06	1.6E-01	2.7E-02	1.2E-08
642	0.01	1.5E-08	4.5E+00	7.2E-04	1.0E-03	3.4E-06	1.6E-01	2.7E-02	1.5E-08
643	0.02	1.7E-08	5.3E+00	7.2E-04	1.0E-03	4.0E-06	1.6E-01	2.7E-02	1.7E-08
644	0.02	2.1E-08	6.4E+00	7.2E-04	1.0E-03	4.8E-06	1.6E-01	2.7E-02	2.1E-08
645	0.07	7.1E-08	2.2E+01	7.2E-04	1.0E-03	1.6E-05	1.6E-01	2.7E-02	7.1E-08
646	0.06	5.6E-08	1.7E+01	7.2E-04	1.0E-03	1.3E-05	1.6E-01	2.7E-02	5.6E-08
647	0.05	4.6E-08	1.4E+01	7.2E-04	1.0E-03	1.1E-05	1.6E-01	2.7E-02	4.6E-08
648	0.04	3.8E-08	1.2E+01	7.2E-04	1.0E-03	8.9E-06	1.6E-01	2.7E-02	3.8E-08
649	0.03	3.2E-08	9.9E+00	7.2E-04	1.0E-03	7.5E-06	1.6E-01	2.7E-02	3.2E-08
650	0.03	2.8E-08	8.5E+00	7.2E-04	1.0E-03	6.4E-06	1.6E-01	2.7E-02	2.8E-08
651	0.01	1.0E-08	3.2E+00	7.2E-04	1.0E-03	2.4E-06	1.6E-01	2.7E-02	1.0E-08
652	0.01	1.2E-08	3.6E+00	7.2E-04	1.0E-03	2.7E-06	1.6E-01	2.7E-02	1.2E-08
653	0.01	1.4E-08	4.2E+00	7.2E-04	1.0E-03	3.2E-06	1.6E-01	2.7E-02	1.4E-08
654	0.02	1.6E-08	4.9E+00	7.2E-04	1.0E-03	3.7E-06	1.6E-01	2.7E-02	1.6E-08
655	0.02	1.9E-08	5.8E+00	7.2E-04	1.0E-03	4.4E-06	1.6E-01	2.7E-02	1.9E-08
656	0.02	2.2E-08	6.9E+00	7.2E-04	1.0E-03	5.2E-06	1.6E-01	2.7E-02	2.2E-08
657	0.03	2.7E-08	8.3E+00	7.2E-04	1.0E-03	6.2E-06	1.6E-01	2.7E-02	2.7E-08
658	0.03	3.3E-08	1.0E+01	7.2E-04	1.0E-03	7.6E-06	1.6E-01	2.7E-02	3.3E-08
659	0.04	4.0E-08	1.2E+01	7.2E-04	1.0E-03	9.3E-06	1.6E-01	2.7E-02	4.0E-08
660	0.05	5.0E-08	1.5E+01	7.2E-04	1.0E-03	1.2E-05	1.6E-01	2.7E-02	5.0E-08
661	0.06	6.2E-08	1.9E+01	7.2E-04	1.0E-03	1.4E-05	1.6E-01	2.7E-02	6.2E-08
662	0.08	7.5E-08	2.3E+01	7.2E-04	1.0E-03	1.7E-05	1.6E-01	2.7E-02	7.5E-08
663	0.09	8.6E-08	2.7E+01	7.2E-04	1.0E-03	2.0E-05	1.6E-01	2.7E-02	8.6E-08
664	0.09	9.4E-08	2.9E+01	7.2E-04	1.0E-03	2.2E-05	1.6E-01	2.7E-02	9.4E-08
665	0.10	9.9E-08	3.0E+01	7.2E-04	1.0E-03	2.3E-05	1.6E-01	2.7E-02	9.9E-08
666	0.10	1.0E-07	3.1E+01	7.2E-04	1.0E-03	2.3E-05	1.6E-01	2.7E-02	1.0E-07
667	0.10	9.7E-08	3.0E+01	7.2E-04	1.0E-03	2.2E-05	1.6E-01	2.7E-02	9.7E-08
668	0.09	9.1E-08	2.8E+01	7.2E-04	1.0E-03	2.1E-05	1.6E-01	2.7E-02	9.1E-08
669	0.08	8.1E-08	2.5E+01	7.2E-04	1.0E-03	1.9E-05	1.6E-01	2.7E-02	8.1E-08
670	0.07	6.8E-08	2.1E+01	7.2E-04	1.0E-03	1.6E-05	1.6E-01	2.7E-02	6.8E-08
671	0.06	5.7E-08	1.7E+01	7.2E-04	1.0E-03	1.3E-05	1.6E-01	2.7E-02	5.7E-08
672	0.05	4.7E-08	1.5E+01	7.2E-04	1.0E-03	1.1E-05	1.6E-01	2.7E-02	4.7E-08
673	0.04	4.0E-08	1.2E+01	7.2E-04	1.0E-03	9.2E-06	1.6E-01	2.7E-02	4.0E-08
674	0.03	3.4E-08	1.0E+01	7.2E-04	1.0E-03	7.9E-06	1.6E-01	2.7E-02	3.4E-08
675	0.03	2.9E-08	8.9E+00	7.2E-04	1.0E-03	6.7E-06	1.6E-01	2.7E-02	2.9E-08
676	0.03	2.5E-08	7.8E+00	7.2E-04	1.0E-03	5.9E-06	1.6E-01	2.7E-02	2.5E-08
677	0.01	9.7E-09	3.0E+00	7.2E-04	1.0E-03	2.2E-06	1.6E-01	2.7E-02	9.7E-09
678	0.01	1.1E-08	3.4E+00	7.2E-04	1.0E-03	2.6E-06	1.6E-01	2.7E-02	1.1E-08
679	0.01	1.3E-08	3.9E+00	7.2E-04	1.0E-03	2.9E-06	1.6E-01	2.7E-02	1.3E-08
680	0.01	1.5E-08	4.5E+00	7.2E-04	1.0E-03	3.4E-06	1.6E-01	2.7E-02	1.5E-08
681	0.02	1.7E-08	5.3E+00	7.2E-04	1.0E-03	4.0E-06	1.6E-01	2.7E-02	1.7E-08
682	0.02	2.0E-08	6.1E+00	7.2E-04	1.0E-03	4.6E-06	1.6E-01	2.7E-02	2.0E-08
683	0.02	2.3E-08	7.2E+00	7.2E-04	1.0E-03	5.5E-06	1.6E-01	2.7E-02	2.3E-08

684	0.03	2.8E-08	8.6E+00	7.2E-04	1.0E-03	6.5E-06	1.6E-01	2.7E-02	2.8E-08
685	0.03	3.4E-08	1.0E+01	7.2E-04	1.0E-03	7.8E-06	1.6E-01	2.7E-02	3.4E-08
686	0.04	4.0E-08	1.2E+01	7.2E-04	1.0E-03	9.3E-06	1.6E-01	2.7E-02	4.0E-08
687	0.05	4.8E-08	1.5E+01	7.2E-04	1.0E-03	1.1E-05	1.6E-01	2.7E-02	4.8E-08
688	0.06	5.6E-08	1.7E+01	7.2E-04	1.0E-03	1.3E-05	1.6E-01	2.7E-02	5.6E-08
689	0.06	6.3E-08	1.9E+01	7.2E-04	1.0E-03	1.5E-05	1.6E-01	2.7E-02	6.3E-08
690	0.07	6.8E-08	2.1E+01	7.2E-04	1.0E-03	1.6E-05	1.6E-01	2.7E-02	6.8E-08
691	0.07	7.1E-08	2.2E+01	7.2E-04	1.0E-03	1.6E-05	1.6E-01	2.7E-02	7.1E-08
692	0.07	7.1E-08	2.2E+01	7.2E-04	1.0E-03	1.7E-05	1.6E-01	2.7E-02	7.1E-08
693	0.07	7.0E-08	2.2E+01	7.2E-04	1.0E-03	1.6E-05	1.6E-01	2.7E-02	7.0E-08
694	0.07	6.6E-08	2.0E+01	7.2E-04	1.0E-03	1.5E-05	1.6E-01	2.7E-02	6.6E-08
695	0.06	6.0E-08	1.9E+01	7.2E-04	1.0E-03	1.4E-05	1.6E-01	2.7E-02	6.0E-08
696	0.05	5.3E-08	1.6E+01	7.2E-04	1.0E-03	1.2E-05	1.6E-01	2.7E-02	5.3E-08
697	0.05	4.6E-08	1.4E+01	7.2E-04	1.0E-03	1.1E-05	1.6E-01	2.7E-02	4.6E-08
698	0.04	4.0E-08	1.2E+01	7.2E-04	1.0E-03	9.3E-06	1.6E-01	2.7E-02	4.0E-08
699	0.03	3.4E-08	1.1E+01	7.2E-04	1.0E-03	8.0E-06	1.6E-01	2.7E-02	3.4E-08
700	0.03	3.0E-08	9.2E+00	7.2E-04	1.0E-03	6.9E-06	1.6E-01	2.7E-02	3.0E-08
701	0.03	2.6E-08	8.0E+00	7.2E-04	1.0E-03	6.1E-06	1.6E-01	2.7E-02	2.6E-08
702	0.02	2.3E-08	7.1E+00	7.2E-04	1.0E-03	5.3E-06	1.6E-01	2.7E-02	2.3E-08
703	0.01	9.1E-09	2.8E+00	7.2E-04	1.0E-03	2.1E-06	1.6E-01	2.7E-02	9.1E-09
704	0.01	1.0E-08	3.2E+00	7.2E-04	1.0E-03	2.4E-06	1.6E-01	2.7E-02	1.0E-08
705	0.01	1.2E-08	3.6E+00	7.2E-04	1.0E-03	2.7E-06	1.6E-01	2.7E-02	1.2E-08
706	0.01	1.3E-08	4.1E+00	7.2E-04	1.0E-03	3.1E-06	1.6E-01	2.7E-02	1.3E-08
707	0.02	1.5E-08	4.7E+00	7.2E-04	1.0E-03	3.6E-06	1.6E-01	2.7E-02	1.5E-08
708	0.02	1.8E-08	5.5E+00	7.2E-04	1.0E-03	4.1E-06	1.6E-01	2.7E-02	1.8E-08
709	0.02	2.1E-08	6.4E+00	7.2E-04	1.0E-03	4.8E-06	1.6E-01	2.7E-02	2.1E-08
710	0.02	2.4E-08	7.5E+00	7.2E-04	1.0E-03	5.6E-06	1.6E-01	2.7E-02	2.4E-08
711	0.03	2.8E-08	8.7E+00	7.2E-04	1.0E-03	6.6E-06	1.6E-01	2.7E-02	2.8E-08
712	0.03	3.3E-08	1.0E+01	7.2E-04	1.0E-03	7.7E-06	1.6E-01	2.7E-02	3.3E-08
713	0.04	3.8E-08	1.2E+01	7.2E-04	1.0E-03	8.8E-06	1.6E-01	2.7E-02	3.8E-08
714	0.04	4.3E-08	1.3E+01	7.2E-04	1.0E-03	1.0E-05	1.6E-01	2.7E-02	4.3E-08
715	0.05	4.8E-08	1.5E+01	7.2E-04	1.0E-03	1.1E-05	1.6E-01	2.7E-02	4.8E-08
716	0.05	5.1E-08	1.6E+01	7.2E-04	1.0E-03	1.2E-05	1.6E-01	2.7E-02	5.1E-08
717	0.05	5.3E-08	1.6E+01	7.2E-04	1.0E-03	1.2E-05	1.6E-01	2.7E-02	5.3E-08
718	0.05	5.4E-08	1.7E+01	7.2E-04	1.0E-03	1.2E-05	1.6E-01	2.7E-02	5.4E-08
719	0.05	5.3E-08	1.6E+01	7.2E-04	1.0E-03	1.2E-05	1.6E-01	2.7E-02	5.3E-08
720	0.05	5.1E-08	1.6E+01	7.2E-04	1.0E-03	1.2E-05	1.6E-01	2.7E-02	5.1E-08
721	0.05	4.7E-08	1.5E+01	7.2E-04	1.0E-03	1.1E-05	1.6E-01	2.7E-02	4.7E-08
722	0.04	4.3E-08	1.3E+01	7.2E-04	1.0E-03	1.0E-05	1.6E-01	2.7E-02	4.3E-08
723	0.04	3.8E-08	1.2E+01	7.2E-04	1.0E-03	8.9E-06	1.6E-01	2.7E-02	3.8E-08
724	0.03	3.4E-08	1.0E+01	7.2E-04	1.0E-03	7.9E-06	1.6E-01	2.7E-02	3.4E-08
725	0.03	3.0E-08	9.2E+00	7.2E-04	1.0E-03	7.0E-06	1.6E-01	2.7E-02	3.0E-08
726	0.03	2.7E-08	8.2E+00	7.2E-04	1.0E-03	6.2E-06	1.6E-01	2.7E-02	2.7E-08
727	0.02	2.3E-08	7.2E+00	7.2E-04	1.0E-03	5.4E-06	1.6E-01	2.7E-02	2.3E-08
728	0.02	2.1E-08	6.4E+00	7.2E-04	1.0E-03	4.8E-06	1.6E-01	2.7E-02	2.1E-08
729	0.01	8.5E-09	2.6E+00	7.2E-04	1.0E-03	2.0E-06	1.6E-01	2.7E-02	8.5E-09

730	0.01	9.6E-09	3.0E+00	7.2E-04	1.0E-03	2.2E-06	1.6E-01	2.7E-02	9.6E-09
731	0.01	1.1E-08	3.3E+00	7.2E-04	1.0E-03	2.5E-06	1.6E-01	2.7E-02	1.1E-08
732	0.01	1.2E-08	3.8E+00	7.2E-04	1.0E-03	2.9E-06	1.6E-01	2.7E-02	1.2E-08
733	0.01	1.4E-08	4.3E+00	7.2E-04	1.0E-03	3.2E-06	1.6E-01	2.7E-02	1.4E-08
734	0.02	1.6E-08	4.9E+00	7.2E-04	1.0E-03	3.7E-06	1.6E-01	2.7E-02	1.6E-08
735	0.02	1.8E-08	5.6E+00	7.2E-04	1.0E-03	4.3E-06	1.6E-01	2.7E-02	1.8E-08
736	0.02	2.1E-08	6.5E+00	7.2E-04	1.0E-03	4.9E-06	1.6E-01	2.7E-02	2.1E-08
737	0.02	2.4E-08	7.4E+00	7.2E-04	1.0E-03	5.6E-06	1.6E-01	2.7E-02	2.4E-08
738	0.03	2.8E-08	8.5E+00	7.2E-04	1.0E-03	6.4E-06	1.6E-01	2.7E-02	2.8E-08
739	0.03	3.1E-08	9.5E+00	7.2E-04	1.0E-03	7.2E-06	1.6E-01	2.7E-02	3.1E-08
740	0.03	3.5E-08	1.1E+01	7.2E-04	1.0E-03	8.0E-06	1.6E-01	2.7E-02	3.5E-08
741	0.04	3.8E-08	1.2E+01	7.2E-04	1.0E-03	8.8E-06	1.6E-01	2.7E-02	3.8E-08
742	0.04	4.0E-08	1.2E+01	7.2E-04	1.0E-03	9.3E-06	1.6E-01	2.7E-02	4.0E-08
743	0.04	4.1E-08	1.3E+01	7.2E-04	1.0E-03	9.6E-06	1.6E-01	2.7E-02	4.1E-08
744	0.04	4.2E-08	1.3E+01	7.2E-04	1.0E-03	9.8E-06	1.6E-01	2.7E-02	4.2E-08
745	0.04	4.2E-08	1.3E+01	7.2E-04	1.0E-03	9.7E-06	1.6E-01	2.7E-02	4.2E-08
746	0.04	4.1E-08	1.2E+01	7.2E-04	1.0E-03	9.4E-06	1.6E-01	2.7E-02	4.1E-08
747	0.04	3.8E-08	1.2E+01	7.2E-04	1.0E-03	8.9E-06	1.6E-01	2.7E-02	3.8E-08
748	0.04	3.5E-08	1.1E+01	7.2E-04	1.0E-03	8.2E-06	1.6E-01	2.7E-02	3.5E-08
749	0.03	3.2E-08	9.9E+00	7.2E-04	1.0E-03	7.5E-06	1.6E-01	2.7E-02	3.2E-08
750	0.03	2.9E-08	9.0E+00	7.2E-04	1.0E-03	6.8E-06	1.6E-01	2.7E-02	2.9E-08
751	0.03	2.6E-08	8.1E+00	7.2E-04	1.0E-03	6.1E-06	1.6E-01	2.7E-02	2.6E-08
752	0.02	2.4E-08	7.2E+00	7.2E-04	1.0E-03	5.5E-06	1.6E-01	2.7E-02	2.4E-08
753	0.02	2.1E-08	6.5E+00	7.2E-04	1.0E-03	4.9E-06	1.6E-01	2.7E-02	2.1E-08
754	0.02	1.9E-08	5.8E+00	7.2E-04	1.0E-03	4.4E-06	1.6E-01	2.7E-02	1.9E-08
755	0.01	8.0E-09	2.5E+00	7.2E-04	1.0E-03	1.9E-06	1.6E-01	2.7E-02	8.0E-09
756	0.01	8.9E-09	2.7E+00	7.2E-04	1.0E-03	2.1E-06	1.6E-01	2.7E-02	8.9E-09
757	0.01	1.0E-08	3.1E+00	7.2E-04	1.0E-03	2.3E-06	1.6E-01	2.7E-02	1.0E-08
758	0.01	1.1E-08	3.5E+00	7.2E-04	1.0E-03	2.6E-06	1.6E-01	2.7E-02	1.1E-08
759	0.01	1.3E-08	3.9E+00	7.2E-04	1.0E-03	2.9E-06	1.6E-01	2.7E-02	1.3E-08
760	0.01	1.4E-08	4.4E+00	7.2E-04	1.0E-03	3.3E-06	1.6E-01	2.7E-02	1.4E-08
761	0.02	1.6E-08	5.0E+00	7.2E-04	1.0E-03	3.8E-06	1.6E-01	2.7E-02	1.6E-08
762	0.02	1.8E-08	5.7E+00	7.2E-04	1.0E-03	4.3E-06	1.6E-01	2.7E-02	1.8E-08
763	0.02	2.1E-08	6.4E+00	7.2E-04	1.0E-03	4.8E-06	1.6E-01	2.7E-02	2.1E-08
764	0.02	2.3E-08	7.2E+00	7.2E-04	1.0E-03	5.4E-06	1.6E-01	2.7E-02	2.3E-08
765	0.03	2.6E-08	7.9E+00	7.2E-04	1.0E-03	6.0E-06	1.6E-01	2.7E-02	2.6E-08
766	0.03	2.8E-08	8.7E+00	7.2E-04	1.0E-03	6.6E-06	1.6E-01	2.7E-02	2.8E-08
767	0.03	3.1E-08	9.4E+00	7.2E-04	1.0E-03	7.1E-06	1.6E-01	2.7E-02	3.1E-08
768	0.03	3.2E-08	9.9E+00	7.2E-04	1.0E-03	7.5E-06	1.6E-01	2.7E-02	3.2E-08
769	0.03	3.3E-08	1.0E+01	7.2E-04	1.0E-03	7.8E-06	1.6E-01	2.7E-02	3.3E-08
770	0.03	3.4E-08	1.1E+01	7.2E-04	1.0E-03	7.9E-06	1.6E-01	2.7E-02	3.4E-08
771	0.03	3.4E-08	1.1E+01	7.2E-04	1.0E-03	7.9E-06	1.6E-01	2.7E-02	3.4E-08
772	0.03	3.3E-08	1.0E+01	7.2E-04	1.0E-03	7.8E-06	1.6E-01	2.7E-02	3.3E-08
773	0.03	3.2E-08	9.8E+00	7.2E-04	1.0E-03	7.4E-06	1.6E-01	2.7E-02	3.2E-08
774	0.03	3.0E-08	9.2E+00	7.2E-04	1.0E-03	6.9E-06	1.6E-01	2.7E-02	3.0E-08
775	0.03	2.8E-08	8.5E+00	7.2E-04	1.0E-03	6.4E-06	1.6E-01	2.7E-02	2.8E-08

776	0.03	2.5E-08	7.8E+00	7.2E-04	1.0E-03	5.9E-06	1.6E-01	2.7E-02	2.5E-08
777	0.02	2.3E-08	7.1E+00	7.2E-04	1.0E-03	5.4E-06	1.6E-01	2.7E-02	2.3E-08
778	0.02	2.1E-08	6.5E+00	7.2E-04	1.0E-03	4.9E-06	1.6E-01	2.7E-02	2.1E-08
779	0.02	1.9E-08	5.9E+00	7.2E-04	1.0E-03	4.4E-06	1.6E-01	2.7E-02	1.9E-08
780	0.02	1.7E-08	5.3E+00	7.2E-04	1.0E-03	4.0E-06	1.6E-01	2.7E-02	1.7E-08
781	0.01	7.5E-09	2.3E+00	7.2E-04	1.0E-03	1.7E-06	1.6E-01	2.7E-02	7.5E-09
782	0.01	8.3E-09	2.6E+00	7.2E-04	1.0E-03	1.9E-06	1.6E-01	2.7E-02	8.3E-09
783	0.01	9.2E-09	2.8E+00	7.2E-04	1.0E-03	2.1E-06	1.6E-01	2.7E-02	9.2E-09
784	0.01	1.0E-08	3.2E+00	7.2E-04	1.0E-03	2.4E-06	1.6E-01	2.7E-02	1.0E-08
785	0.01	1.2E-08	3.6E+00	7.2E-04	1.0E-03	2.7E-06	1.6E-01	2.7E-02	1.2E-08
786	0.01	1.3E-08	4.0E+00	7.2E-04	1.0E-03	3.0E-06	1.6E-01	2.7E-02	1.3E-08
787	0.01	1.4E-08	4.5E+00	7.2E-04	1.0E-03	3.4E-06	1.6E-01	2.7E-02	1.4E-08
788	0.02	1.6E-08	5.0E+00	7.2E-04	1.0E-03	3.8E-06	1.6E-01	2.7E-02	1.6E-08
789	0.02	1.8E-08	5.5E+00	7.2E-04	1.0E-03	4.2E-06	1.6E-01	2.7E-02	1.8E-08
790	0.02	2.0E-08	6.1E+00	7.2E-04	1.0E-03	4.6E-06	1.6E-01	2.7E-02	2.0E-08
791	0.02	2.2E-08	6.7E+00	7.2E-04	1.0E-03	5.1E-06	1.6E-01	2.7E-02	2.2E-08
792	0.02	2.4E-08	7.3E+00	7.2E-04	1.0E-03	5.5E-06	1.6E-01	2.7E-02	2.4E-08
793	0.03	2.5E-08	7.8E+00	7.2E-04	1.0E-03	5.9E-06	1.6E-01	2.7E-02	2.5E-08
794	0.03	2.7E-08	8.2E+00	7.2E-04	1.0E-03	6.2E-06	1.6E-01	2.7E-02	2.7E-08
795	0.03	2.8E-08	8.5E+00	7.2E-04	1.0E-03	6.4E-06	1.6E-01	2.7E-02	2.8E-08
796	0.03	2.8E-08	8.7E+00	7.2E-04	1.0E-03	6.6E-06	1.6E-01	2.7E-02	2.8E-08
797	0.03	2.8E-08	8.8E+00	7.2E-04	1.0E-03	6.6E-06	1.6E-01	2.7E-02	2.8E-08
798	0.03	2.8E-08	8.6E+00	7.2E-04	1.0E-03	6.5E-06	1.6E-01	2.7E-02	2.8E-08
799	0.03	2.7E-08	8.3E+00	7.2E-04	1.0E-03	6.3E-06	1.6E-01	2.7E-02	2.7E-08
800	0.03	2.5E-08	7.8E+00	7.2E-04	1.0E-03	5.9E-06	1.6E-01	2.7E-02	2.5E-08
801	0.02	2.4E-08	7.3E+00	7.2E-04	1.0E-03	5.5E-06	1.6E-01	2.7E-02	2.4E-08
802	0.02	2.2E-08	6.8E+00	7.2E-04	1.0E-03	5.2E-06	1.6E-01	2.7E-02	2.2E-08
803	0.02	2.1E-08	6.3E+00	7.2E-04	1.0E-03	4.8E-06	1.6E-01	2.7E-02	2.1E-08
804	0.02	1.9E-08	5.8E+00	7.2E-04	1.0E-03	4.4E-06	1.6E-01	2.7E-02	1.9E-08
805	0.02	1.7E-08	5.3E+00	7.2E-04	1.0E-03	4.0E-06	1.6E-01	2.7E-02	1.7E-08
806	0.02	1.6E-08	4.9E+00	7.2E-04	1.0E-03	3.7E-06	1.6E-01	2.7E-02	1.6E-08
807	0.13	1.3E-07	4.1E+01	7.2E-04	1.0E-03	3.1E-05	1.6E-01	2.7E-02	1.3E-07
808	0.15	1.5E-07	4.7E+01	7.2E-04	1.0E-03	3.5E-05	1.6E-01	2.7E-02	1.5E-07
809	0.11	1.1E-07	3.4E+01	7.2E-04	1.0E-03	2.6E-05	1.6E-01	2.7E-02	1.1E-07
810	0.15	1.5E-07	4.6E+01	7.2E-04	1.0E-03	3.4E-05	1.6E-01	2.7E-02	1.5E-07
811	0.14	1.4E-07	4.2E+01	7.2E-04	1.0E-03	3.2E-05	1.6E-01	2.7E-02	1.4E-07
812	0.18	1.8E-07	5.6E+01	7.2E-04	1.0E-03	4.2E-05	1.6E-01	2.7E-02	1.8E-07
813	0.14	1.4E-07	4.4E+01	7.2E-04	1.0E-03	3.3E-05	1.6E-01	2.7E-02	1.4E-07
814	0.18	1.8E-07	5.4E+01	7.2E-04	1.0E-03	4.1E-05	1.6E-01	2.7E-02	1.8E-07
815	0.14	1.4E-07	4.3E+01	7.2E-04	1.0E-03	3.3E-05	1.6E-01	2.7E-02	1.4E-07
816	0.17	1.7E-07	5.4E+01	7.2E-04	1.0E-03	4.1E-05	1.6E-01	2.7E-02	1.7E-07
817	0.13	1.3E-07	3.9E+01	7.2E-04	1.0E-03	2.9E-05	1.6E-01	2.7E-02	1.3E-07
818	0.18	1.8E-07	5.4E+01	7.2E-04	1.0E-03	4.1E-05	1.6E-01	2.7E-02	1.8E-07
819	0.12	1.2E-07	3.7E+01	7.2E-04	1.0E-03	2.8E-05	1.6E-01	2.7E-02	1.2E-07
820	0.16	1.6E-07	4.9E+01	7.2E-04	1.0E-03	3.7E-05	1.6E-01	2.7E-02	1.6E-07
821	0.04	3.6E-08	1.1E+01	7.2E-04	1.0E-03	8.2E-06	1.6E-01	2.7E-02	3.6E-08

822	0.04	4.5E-08	1.4E+01	7.2E-04	1.0E-03	1.0E-05	1.6E-01	2.7E-02	4.5E-08
823	0.06	5.8E-08	1.8E+01	7.2E-04	1.0E-03	1.3E-05	1.6E-01	2.7E-02	5.8E-08
824	0.04	4.2E-08	1.3E+01	7.2E-04	1.0E-03	9.8E-06	1.6E-01	2.7E-02	4.2E-08
825	0.06	5.7E-08	1.7E+01	7.2E-04	1.0E-03	1.3E-05	1.6E-01	2.7E-02	5.7E-08
826	0.08	7.8E-08	2.4E+01	7.2E-04	1.0E-03	1.8E-05	1.6E-01	2.7E-02	7.8E-08
827	0.05	5.1E-08	1.6E+01	7.2E-04	1.0E-03	1.2E-05	1.6E-01	2.7E-02	5.1E-08
828	0.07	7.4E-08	2.3E+01	7.2E-04	1.0E-03	1.7E-05	1.6E-01	2.7E-02	7.4E-08
829	0.09	8.7E-08	2.7E+01	7.2E-04	1.0E-03	2.0E-05	1.6E-01	2.7E-02	8.7E-08
830	0.06	5.8E-08	1.8E+01	7.2E-04	1.0E-03	1.4E-05	1.6E-01	2.7E-02	5.8E-08
831	0.09	8.9E-08	2.7E+01	7.2E-04	1.0E-03	2.1E-05	1.6E-01	2.7E-02	8.9E-08
832	0.09	9.2E-08	2.8E+01	7.2E-04	1.0E-03	2.1E-05	1.6E-01	2.7E-02	9.2E-08
833	0.06	6.3E-08	2.0E+01	7.2E-04	1.0E-03	1.5E-05	1.6E-01	2.7E-02	6.3E-08
834	0.10	9.7E-08	3.0E+01	7.2E-04	1.0E-03	2.2E-05	1.6E-01	2.7E-02	9.7E-08
835	0.09	8.8E-08	2.7E+01	7.2E-04	1.0E-03	2.0E-05	1.6E-01	2.7E-02	8.8E-08
836	0.07	6.5E-08	2.0E+01	7.2E-04	1.0E-03	1.5E-05	1.6E-01	2.7E-02	6.5E-08
837	0.10	9.7E-08	3.0E+01	7.2E-04	1.0E-03	2.3E-05	1.6E-01	2.7E-02	9.7E-08
838	0.11	1.1E-07	3.3E+01	7.2E-04	1.0E-03	2.5E-05	1.6E-01	2.7E-02	1.1E-07
839	0.07	6.7E-08	2.1E+01	7.2E-04	1.0E-03	1.6E-05	1.6E-01	2.7E-02	6.7E-08
840	0.10	9.9E-08	3.1E+01	7.2E-04	1.0E-03	2.3E-05	1.6E-01	2.7E-02	9.9E-08
841	0.11	1.1E-07	3.5E+01	7.2E-04	1.0E-03	2.6E-05	1.6E-01	2.7E-02	1.1E-07
842	0.07	6.7E-08	2.1E+01	7.2E-04	1.0E-03	1.6E-05	1.6E-01	2.7E-02	6.7E-08
843	0.09	8.7E-08	2.7E+01	7.2E-04	1.0E-03	2.0E-05	1.6E-01	2.7E-02	8.7E-08
844	0.11	1.1E-07	3.4E+01	7.2E-04	1.0E-03	2.6E-05	1.6E-01	2.7E-02	1.1E-07
845	0.06	6.4E-08	2.0E+01	7.2E-04	1.0E-03	1.5E-05	1.6E-01	2.7E-02	6.4E-08
846	0.10	9.9E-08	3.1E+01	7.2E-04	1.0E-03	2.3E-05	1.6E-01	2.7E-02	9.9E-08
847	0.10	1.0E-07	3.2E+01	7.2E-04	1.0E-03	2.4E-05	1.6E-01	2.7E-02	1.0E-07
848	0.06	5.7E-08	1.8E+01	7.2E-04	1.0E-03	1.3E-05	1.6E-01	2.7E-02	5.7E-08
849	0.08	8.4E-08	2.6E+01	7.2E-04	1.0E-03	2.0E-05	1.6E-01	2.7E-02	8.4E-08
850	0.10	1.0E-07	3.1E+01	7.2E-04	1.0E-03	2.3E-05	1.6E-01	2.7E-02	1.0E-07
851	0.06	6.0E-08	1.9E+01	7.2E-04	1.0E-03	1.4E-05	1.6E-01	2.7E-02	6.0E-08
852	0.09	8.7E-08	2.7E+01	7.2E-04	1.0E-03	2.0E-05	1.6E-01	2.7E-02	8.7E-08
853	0.10	1.0E-07	3.1E+01	7.2E-04	1.0E-03	2.4E-05	1.6E-01	2.7E-02	1.0E-07
854	0.14	1.4E-07	4.3E+01	7.2E-04	1.0E-03	3.2E-05	1.6E-01	2.7E-02	1.4E-07
855	0.13	1.3E-07	4.0E+01	7.2E-04	1.0E-03	3.0E-05	1.6E-01	2.7E-02	1.3E-07
856	0.05	5.1E-08	1.6E+01	7.2E-04	1.0E-03	1.2E-05	1.6E-01	2.7E-02	5.1E-08
857	0.07	6.9E-08	2.1E+01	7.2E-04	1.0E-03	1.6E-05	1.6E-01	2.7E-02	6.9E-08
858	0.09	9.4E-08	2.9E+01	7.2E-04	1.0E-03	2.2E-05	1.6E-01	2.7E-02	9.4E-08
859	0.13	1.3E-07	4.0E+01	7.2E-04	1.0E-03	3.0E-05	1.6E-01	2.7E-02	1.3E-07
860	0.12	1.2E-07	3.7E+01	7.2E-04	1.0E-03	2.8E-05	1.6E-01	2.7E-02	1.2E-07
861	0.04	4.4E-08	1.4E+01	7.2E-04	1.0E-03	1.0E-05	1.6E-01	2.7E-02	4.4E-08
862	0.06	5.7E-08	1.8E+01	7.2E-04	1.0E-03	1.3E-05	1.6E-01	2.7E-02	5.7E-08
863	0.08	7.6E-08	2.4E+01	7.2E-04	1.0E-03	1.8E-05	1.6E-01	2.7E-02	7.6E-08
864	0.11	1.1E-07	3.3E+01	7.2E-04	1.0E-03	2.5E-05	1.6E-01	2.7E-02	1.1E-07
865	0.11	1.1E-07	3.2E+01	7.2E-04	1.0E-03	2.4E-05	1.6E-01	2.7E-02	1.1E-07
866	0.06	5.8E-08	1.8E+01	7.2E-04	1.0E-03	1.4E-05	1.6E-01	2.7E-02	5.8E-08
867	0.08	7.8E-08	2.4E+01	7.2E-04	1.0E-03	1.8E-05	1.6E-01	2.7E-02	7.8E-08

868	0.11	1.1E-07	3.3E+01	7.2E-04	1.0E-03	2.5E-05	1.6E-01	2.7E-02	1.1E-07
869	0.12	1.2E-07	3.7E+01	7.2E-04	1.0E-03	2.8E-05	1.6E-01	2.7E-02	1.2E-07
870	0.09	8.8E-08	2.7E+01	7.2E-04	1.0E-03	2.1E-05	1.6E-01	2.7E-02	8.8E-08
871	0.09	9.1E-08	2.8E+01	7.2E-04	1.0E-03	2.1E-05	1.6E-01	2.7E-02	9.1E-08
872	0.13	1.3E-07	3.9E+01	7.2E-04	1.0E-03	2.9E-05	1.6E-01	2.7E-02	1.3E-07
873	0.00	0.0E+00		7.2E-04	1.0E-03	0.0E+00	1.6E-01	2.7E-02	0.0E+00

Risk From New Building Demo (Port. 2) - Mitigated Residential

Franklin School Project

Risk From New Building Demo (Port. 2) - Mitigated Residential

	0.04	Max					Onsite		
Receptor #	**Total/ Million**	**Total**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
1	0.00	1.3E-10	2.0E-01	7.5E-04	1.0E-03	1.5E-07	1.6E-01	5.5E-03	1.3E-10
2	0.00	1.5E-10	2.2E-01	7.5E-04	1.0E-03	1.7E-07	1.6E-01	5.5E-03	1.5E-10
3	0.00	1.6E-10	2.4E-01	7.5E-04	1.0E-03	1.9E-07	1.6E-01	5.5E-03	1.6E-10
4	0.00	1.8E-10	2.6E-01	7.5E-04	1.0E-03	2.1E-07	1.6E-01	5.5E-03	1.8E-10
5	0.00	1.9E-10	2.9E-01	7.5E-04	1.0E-03	2.2E-07	1.6E-01	5.5E-03	1.9E-10
6	0.00	2.1E-10	3.1E-01	7.5E-04	1.0E-03	2.4E-07	1.6E-01	5.5E-03	2.1E-10
7	0.00	2.2E-10	3.3E-01	7.5E-04	1.0E-03	2.6E-07	1.6E-01	5.5E-03	2.2E-10
8	0.00	2.4E-10	3.5E-01	7.5E-04	1.0E-03	2.7E-07	1.6E-01	5.5E-03	2.4E-10
9	0.00	2.5E-10	3.7E-01	7.5E-04	1.0E-03	2.9E-07	1.6E-01	5.5E-03	2.5E-10
10	0.00	2.7E-10	3.9E-01	7.5E-04	1.0E-03	3.1E-07	1.6E-01	5.5E-03	2.6E-10
11	0.00	2.9E-10	4.2E-01	7.5E-04	1.0E-03	3.3E-07	1.6E-01	5.5E-03	2.8E-10
12	0.00	3.1E-10	4.5E-01	7.5E-04	1.0E-03	3.6E-07	1.6E-01	5.5E-03	3.1E-10
13	0.00	3.3E-10	4.8E-01	7.5E-04	1.0E-03	3.8E-07	1.6E-01	5.5E-03	3.2E-10
14	0.00	3.4E-10	5.0E-01	7.5E-04	1.0E-03	3.9E-07	1.6E-01	5.5E-03	3.4E-10
15	0.00	3.5E-10	5.2E-01	7.5E-04	1.0E-03	4.1E-07	1.6E-01	5.5E-03	3.5E-10
16	0.00	3.6E-10	5.3E-01	7.5E-04	1.0E-03	4.1E-07	1.6E-01	5.5E-03	3.5E-10
17	0.00	1.5E-10	2.2E-01	7.5E-04	1.0E-03	1.7E-07	1.6E-01	5.5E-03	1.5E-10
18	0.00	1.7E-10	2.5E-01	7.5E-04	1.0E-03	1.9E-07	1.6E-01	5.5E-03	1.7E-10
19	0.00	1.9E-10	2.8E-01	7.5E-04	1.0E-03	2.2E-07	1.6E-01	5.5E-03	1.9E-10
20	0.00	2.1E-10	3.1E-01	7.5E-04	1.0E-03	2.4E-07	1.6E-01	5.5E-03	2.1E-10
21	0.00	2.3E-10	3.4E-01	7.5E-04	1.0E-03	2.7E-07	1.6E-01	5.5E-03	2.3E-10
22	0.00	2.5E-10	3.7E-01	7.5E-04	1.0E-03	2.9E-07	1.6E-01	5.5E-03	2.5E-10
23	0.00	2.7E-10	4.0E-01	7.5E-04	1.0E-03	3.2E-07	1.6E-01	5.5E-03	2.7E-10
24	0.00	2.9E-10	4.3E-01	7.5E-04	1.0E-03	3.4E-07	1.6E-01	5.5E-03	2.9E-10
25	0.00	3.1E-10	4.6E-01	7.5E-04	1.0E-03	3.6E-07	1.6E-01	5.5E-03	3.1E-10
26	0.00	3.4E-10	4.9E-01	7.5E-04	1.0E-03	3.9E-07	1.6E-01	5.5E-03	3.3E-10
27	0.00	3.7E-10	5.4E-01	7.5E-04	1.0E-03	4.2E-07	1.6E-01	5.5E-03	3.6E-10
28	0.00	4.0E-10	5.9E-01	7.5E-04	1.0E-03	4.6E-07	1.6E-01	5.5E-03	3.9E-10
29	0.00	4.2E-10	6.2E-01	7.5E-04	1.0E-03	4.9E-07	1.6E-01	5.5E-03	4.2E-10
30	0.00	4.4E-10	6.5E-01	7.5E-04	1.0E-03	5.1E-07	1.6E-01	5.5E-03	4.4E-10
31	0.00	4.5E-10	6.6E-01	7.5E-04	1.0E-03	5.2E-07	1.6E-01	5.5E-03	4.4E-10
32	0.00	4.4E-10	6.5E-01	7.5E-04	1.0E-03	5.1E-07	1.6E-01	5.5E-03	4.4E-10
33	0.00	1.7E-10	2.5E-01	7.5E-04	1.0E-03	1.9E-07	1.6E-01	5.5E-03	1.7E-10
34	0.00	1.9E-10	2.8E-01	7.5E-04	1.0E-03	2.2E-07	1.6E-01	5.5E-03	1.9E-10
35	0.00	2.2E-10	3.2E-01	7.5E-04	1.0E-03	2.5E-07	1.6E-01	5.5E-03	2.2E-10
36	0.00	2.5E-10	3.6E-01	7.5E-04	1.0E-03	2.8E-07	1.6E-01	5.5E-03	2.5E-10
37	0.00	2.8E-10	4.1E-01	7.5E-04	1.0E-03	3.2E-07	1.6E-01	5.5E-03	2.8E-10
38	0.00	3.1E-10	4.6E-01	7.5E-04	1.0E-03	3.6E-07	1.6E-01	5.5E-03	3.1E-10
39	0.00	3.4E-10	5.1E-01	7.5E-04	1.0E-03	4.0E-07	1.6E-01	5.5E-03	3.4E-10

40	0.00	3.7E-10	5.5E-01	7.5E-04	1.0E-03	4.3E-07	1.6E-01	5.5E-03	3.7E-10
41	0.00	4.0E-10	5.9E-01	7.5E-04	1.0E-03	4.7E-07	1.6E-01	5.5E-03	4.0E-10
42	0.00	4.4E-10	6.5E-01	7.5E-04	1.0E-03	5.1E-07	1.6E-01	5.5E-03	4.4E-10
43	0.00	4.9E-10	7.2E-01	7.5E-04	1.0E-03	5.6E-07	1.6E-01	5.5E-03	4.9E-10
44	0.00	5.3E-10	7.8E-01	7.5E-04	1.0E-03	6.1E-07	1.6E-01	5.5E-03	5.3E-10
45	0.00	5.6E-10	8.3E-01	7.5E-04	1.0E-03	6.5E-07	1.6E-01	5.5E-03	5.6E-10
46	0.00	5.7E-10	8.5E-01	7.5E-04	1.0E-03	6.6E-07	1.6E-01	5.5E-03	5.7E-10
47	0.00	5.7E-10	8.4E-01	7.5E-04	1.0E-03	6.6E-07	1.6E-01	5.5E-03	5.7E-10
48	0.00	5.5E-10	8.1E-01	7.5E-04	1.0E-03	6.4E-07	1.6E-01	5.5E-03	5.5E-10
49	0.00	1.9E-10	2.8E-01	7.5E-04	1.0E-03	2.2E-07	1.6E-01	5.5E-03	1.9E-10
50	0.00	2.2E-10	3.2E-01	7.5E-04	1.0E-03	2.5E-07	1.6E-01	5.5E-03	2.2E-10
51	0.00	2.6E-10	3.8E-01	7.5E-04	1.0E-03	2.9E-07	1.6E-01	5.5E-03	2.5E-10
52	0.00	3.0E-10	4.4E-01	7.5E-04	1.0E-03	3.4E-07	1.6E-01	5.5E-03	2.9E-10
53	0.00	3.4E-10	5.0E-01	7.5E-04	1.0E-03	4.0E-07	1.6E-01	5.5E-03	3.4E-10
54	0.00	3.9E-10	5.8E-01	7.5E-04	1.0E-03	4.5E-07	1.6E-01	5.5E-03	3.9E-10
55	0.00	4.4E-10	6.5E-01	7.5E-04	1.0E-03	5.1E-07	1.6E-01	5.5E-03	4.4E-10
56	0.00	4.9E-10	7.2E-01	7.5E-04	1.0E-03	5.6E-07	1.6E-01	5.5E-03	4.8E-10
57	0.00	5.4E-10	7.9E-01	7.5E-04	1.0E-03	6.2E-07	1.6E-01	5.5E-03	5.3E-10
58	0.00	6.0E-10	8.9E-01	7.5E-04	1.0E-03	6.9E-07	1.6E-01	5.5E-03	6.0E-10
59	0.00	6.9E-10	1.0E+00	7.5E-04	1.0E-03	7.9E-07	1.6E-01	5.5E-03	6.8E-10
60	0.00	7.4E-10	1.1E+00	7.5E-04	1.0E-03	8.5E-07	1.6E-01	5.5E-03	7.4E-10
61	0.00	7.7E-10	1.1E+00	7.5E-04	1.0E-03	8.8E-07	1.6E-01	5.5E-03	7.6E-10
62	0.00	7.6E-10	1.1E+00	7.5E-04	1.0E-03	8.8E-07	1.6E-01	5.5E-03	7.6E-10
63	0.00	7.3E-10	1.1E+00	7.5E-04	1.0E-03	8.4E-07	1.6E-01	5.5E-03	7.3E-10
64	0.00	6.8E-10	1.0E+00	7.5E-04	1.0E-03	7.9E-07	1.6E-01	5.5E-03	6.8E-10
65	0.00	2.1E-10	3.1E-01	7.5E-04	1.0E-03	2.5E-07	1.6E-01	5.5E-03	2.1E-10
66	0.00	2.5E-10	3.7E-01	7.5E-04	1.0E-03	2.9E-07	1.6E-01	5.5E-03	2.5E-10
67	0.00	3.0E-10	4.4E-01	7.5E-04	1.0E-03	3.5E-07	1.6E-01	5.5E-03	3.0E-10
68	0.00	3.6E-10	5.3E-01	7.5E-04	1.0E-03	4.1E-07	1.6E-01	5.5E-03	3.6E-10
69	0.00	4.3E-10	6.3E-01	7.5E-04	1.0E-03	4.9E-07	1.6E-01	5.5E-03	4.3E-10
70	0.00	5.1E-10	7.5E-01	7.5E-04	1.0E-03	5.9E-07	1.6E-01	5.5E-03	5.1E-10
71	0.00	6.0E-10	8.8E-01	7.5E-04	1.0E-03	6.9E-07	1.6E-01	5.5E-03	5.9E-10
72	0.00	6.8E-10	1.0E+00	7.5E-04	1.0E-03	7.8E-07	1.6E-01	5.5E-03	6.7E-10
73	0.00	7.8E-10	1.1E+00	7.5E-04	1.0E-03	8.9E-07	1.6E-01	5.5E-03	7.7E-10
74	0.00	9.1E-10	1.3E+00	7.5E-04	1.0E-03	1.0E-06	1.6E-01	5.5E-03	9.0E-10
75	0.00	1.0E-09	1.5E+00	7.5E-04	1.0E-03	1.2E-06	1.6E-01	5.5E-03	1.0E-09
76	0.00	1.1E-09	1.6E+00	7.5E-04	1.0E-03	1.2E-06	1.6E-01	5.5E-03	1.1E-09
77	0.00	1.1E-09	1.6E+00	7.5E-04	1.0E-03	1.2E-06	1.6E-01	5.5E-03	1.1E-09
78	0.00	1.0E-09	1.5E+00	7.5E-04	1.0E-03	1.2E-06	1.6E-01	5.5E-03	1.0E-09
79	0.00	9.2E-10	1.4E+00	7.5E-04	1.0E-03	1.1E-06	1.6E-01	5.5E-03	9.2E-10
80	0.00	8.2E-10	1.2E+00	7.5E-04	1.0E-03	9.5E-07	1.6E-01	5.5E-03	8.2E-10
81	0.00	2.4E-10	3.5E-01	7.5E-04	1.0E-03	2.7E-07	1.6E-01	5.5E-03	2.4E-10
82	0.00	2.9E-10	4.2E-01	7.5E-04	1.0E-03	3.3E-07	1.6E-01	5.5E-03	2.8E-10
83	0.00	3.5E-10	5.2E-01	7.5E-04	1.0E-03	4.1E-07	1.6E-01	5.5E-03	3.5E-10
84	0.00	4.4E-10	6.4E-01	7.5E-04	1.0E-03	5.0E-07	1.6E-01	5.5E-03	4.3E-10
85	0.00	5.5E-10	8.1E-01	7.5E-04	1.0E-03	6.3E-07	1.6E-01	5.5E-03	5.4E-10

86	0.00	6.9E-10	1.0E+00	7.5E-04	1.0E-03	7.9E-07	1.6E-01	5.5E-03	6.8E-10
87	0.00	8.6E-10	1.3E+00	7.5E-04	1.0E-03	9.8E-07	1.6E-01	5.5E-03	8.4E-10
88	0.00	1.0E-09	1.5E+00	7.5E-04	1.0E-03	1.2E-06	1.6E-01	5.5E-03	1.0E-09
89	0.00	1.2E-09	1.8E+00	7.5E-04	1.0E-03	1.4E-06	1.6E-01	5.5E-03	1.2E-09
90	0.00	1.5E-09	2.2E+00	7.5E-04	1.0E-03	1.7E-06	1.6E-01	5.5E-03	1.5E-09
91	0.00	1.6E-09	2.4E+00	7.5E-04	1.0E-03	1.9E-06	1.6E-01	5.5E-03	1.6E-09
92	0.00	1.6E-09	2.4E+00	7.5E-04	1.0E-03	1.9E-06	1.6E-01	5.5E-03	1.6E-09
93	0.00	1.5E-09	2.2E+00	7.5E-04	1.0E-03	1.7E-06	1.6E-01	5.5E-03	1.5E-09
94	0.00	1.3E-09	1.9E+00	7.5E-04	1.0E-03	1.5E-06	1.6E-01	5.5E-03	1.3E-09
95	0.00	1.1E-09	1.7E+00	7.5E-04	1.0E-03	1.3E-06	1.6E-01	5.5E-03	1.1E-09
96	0.00	9.6E-10	1.4E+00	7.5E-04	1.0E-03	1.1E-06	1.6E-01	5.5E-03	9.5E-10
97	0.00	2.6E-10	3.8E-01	7.5E-04	1.0E-03	3.0E-07	1.6E-01	5.5E-03	2.6E-10
98	0.00	3.2E-10	4.7E-01	7.5E-04	1.0E-03	3.7E-07	1.6E-01	5.5E-03	3.2E-10
99	0.00	4.1E-10	6.0E-01	7.5E-04	1.0E-03	4.7E-07	1.6E-01	5.5E-03	4.1E-10
100	0.00	5.3E-10	7.8E-01	7.5E-04	1.0E-03	6.1E-07	1.6E-01	5.5E-03	5.3E-10
101	0.00	7.1E-10	1.0E+00	7.5E-04	1.0E-03	8.1E-07	1.6E-01	5.5E-03	7.0E-10
102	0.00	9.7E-10	1.4E+00	7.5E-04	1.0E-03	1.1E-06	1.6E-01	5.5E-03	9.5E-10
103	0.00	1.4E-09	1.9E+00	7.5E-04	1.0E-03	1.5E-06	1.6E-01	5.5E-03	1.3E-09
104	0.00	1.8E-09	2.6E+00	7.5E-04	1.0E-03	2.0E-06	1.6E-01	5.5E-03	1.7E-09
105	0.00	2.3E-09	3.3E+00	7.5E-04	1.0E-03	2.6E-06	1.6E-01	5.5E-03	2.2E-09
106	0.00	2.7E-09	4.0E+00	7.5E-04	1.0E-03	3.1E-06	1.6E-01	5.5E-03	2.7E-09
107	0.00	2.7E-09	4.0E+00	7.5E-04	1.0E-03	3.1E-06	1.6E-01	5.5E-03	2.7E-09
108	0.00	2.4E-09	3.6E+00	7.5E-04	1.0E-03	2.8E-06	1.6E-01	5.5E-03	2.4E-09
109	0.00	2.0E-09	3.0E+00	7.5E-04	1.0E-03	2.3E-06	1.6E-01	5.5E-03	2.0E-09
110	0.00	1.6E-09	2.4E+00	7.5E-04	1.0E-03	1.9E-06	1.6E-01	5.5E-03	1.6E-09
111	0.00	1.3E-09	1.9E+00	7.5E-04	1.0E-03	1.5E-06	1.6E-01	5.5E-03	1.3E-09
112	0.00	1.1E-09	1.6E+00	7.5E-04	1.0E-03	1.2E-06	1.6E-01	5.5E-03	1.1E-09
113	0.00	2.8E-10	4.2E-01	7.5E-04	1.0E-03	3.3E-07	1.6E-01	5.5E-03	2.8E-10
114	0.00	3.6E-10	5.3E-01	7.5E-04	1.0E-03	4.1E-07	1.6E-01	5.5E-03	3.5E-10
115	0.00	4.7E-10	6.9E-01	7.5E-04	1.0E-03	5.4E-07	1.6E-01	5.5E-03	4.6E-10
116	0.00	6.3E-10	9.4E-01	7.5E-04	1.0E-03	7.3E-07	1.6E-01	5.5E-03	6.3E-10
117	0.00	9.1E-10	1.3E+00	7.5E-04	1.0E-03	1.0E-06	1.6E-01	5.5E-03	9.0E-10
118	0.01	5.7E-09	8.4E+00	7.5E-04	1.0E-03	6.6E-06	1.6E-01	5.5E-03	5.7E-09
119	0.00	4.5E-09	6.7E+00	7.5E-04	1.0E-03	5.2E-06	1.6E-01	5.5E-03	4.5E-09
120	0.00	3.4E-09	5.1E+00	7.5E-04	1.0E-03	4.0E-06	1.6E-01	5.5E-03	3.4E-09
121	0.00	2.5E-09	3.8E+00	7.5E-04	1.0E-03	2.9E-06	1.6E-01	5.5E-03	2.5E-09
122	0.00	1.9E-09	2.8E+00	7.5E-04	1.0E-03	2.2E-06	1.6E-01	5.5E-03	1.9E-09
123	0.00	1.4E-09	2.1E+00	7.5E-04	1.0E-03	1.7E-06	1.6E-01	5.5E-03	1.4E-09
124	0.00	1.1E-09	1.6E+00	7.5E-04	1.0E-03	1.3E-06	1.6E-01	5.5E-03	1.1E-09
125	0.00	3.0E-10	4.4E-01	7.5E-04	1.0E-03	3.4E-07	1.6E-01	5.5E-03	2.9E-10
126	0.00	3.8E-10	5.6E-01	7.5E-04	1.0E-03	4.4E-07	1.6E-01	5.5E-03	3.8E-10
127	0.00	5.1E-10	7.6E-01	7.5E-04	1.0E-03	5.9E-07	1.6E-01	5.5E-03	5.1E-10
128	0.00	7.2E-10	1.1E+00	7.5E-04	1.0E-03	8.3E-07	1.6E-01	5.5E-03	7.2E-10
129	0.00	1.1E-09	1.6E+00	7.5E-04	1.0E-03	1.3E-06	1.6E-01	5.5E-03	1.1E-09
130	0.01	1.1E-08	1.7E+01	7.5E-04	1.0E-03	1.3E-05	1.6E-01	5.5E-03	1.1E-08
131	0.01	6.8E-09	1.0E+01	7.5E-04	1.0E-03	7.9E-06	1.6E-01	5.5E-03	6.8E-09

132	0.00	4.3E-09	6.3E+00	7.5E-04	1.0E-03	4.9E-06	1.6E-01	5.5E-03	4.3E-09
133	0.00	2.9E-09	4.2E+00	7.5E-04	1.0E-03	3.3E-06	1.6E-01	5.5E-03	2.9E-09
134	0.00	2.0E-09	2.9E+00	7.5E-04	1.0E-03	2.3E-06	1.6E-01	5.5E-03	2.0E-09
135	0.00	1.4E-09	2.1E+00	7.5E-04	1.0E-03	1.7E-06	1.6E-01	5.5E-03	1.4E-09
136	0.00	1.1E-09	1.6E+00	7.5E-04	1.0E-03	1.2E-06	1.6E-01	5.5E-03	1.1E-09
137	0.00	3.0E-10	4.5E-01	7.5E-04	1.0E-03	3.5E-07	1.6E-01	5.5E-03	3.0E-10
138	0.00	4.0E-10	5.9E-01	7.5E-04	1.0E-03	4.6E-07	1.6E-01	5.5E-03	3.9E-10
139	0.00	5.3E-10	7.9E-01	7.5E-04	1.0E-03	6.2E-07	1.6E-01	5.5E-03	5.3E-10
140	0.00	7.7E-10	1.1E+00	7.5E-04	1.0E-03	8.9E-07	1.6E-01	5.5E-03	7.7E-10
141	0.00	1.2E-09	1.8E+00	7.5E-04	1.0E-03	1.4E-06	1.6E-01	5.5E-03	1.2E-09
142	0.02	1.7E-08	2.5E+01	7.5E-04	1.0E-03	2.0E-05	1.6E-01	5.5E-03	1.7E-08
143	0.01	8.2E-09	1.2E+01	7.5E-04	1.0E-03	9.5E-06	1.6E-01	5.5E-03	8.2E-09
144	0.00	4.5E-09	6.7E+00	7.5E-04	1.0E-03	5.2E-06	1.6E-01	5.5E-03	4.5E-09
145	0.00	2.8E-09	4.2E+00	7.5E-04	1.0E-03	3.3E-06	1.6E-01	5.5E-03	2.8E-09
146	0.00	1.9E-09	2.8E+00	7.5E-04	1.0E-03	2.2E-06	1.6E-01	5.5E-03	1.9E-09
147	0.00	1.3E-09	1.9E+00	7.5E-04	1.0E-03	1.5E-06	1.6E-01	5.5E-03	1.3E-09
148	0.00	9.7E-10	1.4E+00	7.5E-04	1.0E-03	1.1E-06	1.6E-01	5.5E-03	9.7E-10
149	0.00	3.0E-10	4.5E-01	7.5E-04	1.0E-03	3.5E-07	1.6E-01	5.5E-03	3.0E-10
150	0.00	3.9E-10	5.7E-01	7.5E-04	1.0E-03	4.5E-07	1.6E-01	5.5E-03	3.8E-10
151	0.00	5.3E-10	7.8E-01	7.5E-04	1.0E-03	6.1E-07	1.6E-01	5.5E-03	5.3E-10
152	0.00	7.6E-10	1.1E+00	7.5E-04	1.0E-03	8.8E-07	1.6E-01	5.5E-03	7.5E-10
153	0.00	1.2E-09	1.7E+00	7.5E-04	1.0E-03	1.4E-06	1.6E-01	5.5E-03	1.2E-09
154	0.03	2.6E-08	3.8E+01	7.5E-04	1.0E-03	3.0E-05	1.6E-01	5.5E-03	2.6E-08
155	0.01	7.7E-09	1.1E+01	7.5E-04	1.0E-03	8.9E-06	1.6E-01	5.5E-03	7.7E-09
156	0.00	3.7E-09	5.6E+00	7.5E-04	1.0E-03	4.4E-06	1.6E-01	5.5E-03	3.7E-09
157	0.00	2.4E-09	3.6E+00	7.5E-04	1.0E-03	2.8E-06	1.6E-01	5.5E-03	2.4E-09
158	0.00	1.6E-09	2.4E+00	7.5E-04	1.0E-03	1.8E-06	1.6E-01	5.5E-03	1.6E-09
159	0.00	1.1E-09	1.7E+00	7.5E-04	1.0E-03	1.3E-06	1.6E-01	5.5E-03	1.1E-09
160	0.00	8.3E-10	1.2E+00	7.5E-04	1.0E-03	9.7E-07	1.6E-01	5.5E-03	8.3E-10
161	0.00	2.7E-10	4.0E-01	7.5E-04	1.0E-03	3.2E-07	1.6E-01	5.5E-03	2.7E-10
162	0.00	3.5E-10	5.2E-01	7.5E-04	1.0E-03	4.1E-07	1.6E-01	5.5E-03	3.5E-10
163	0.00	4.6E-10	6.9E-01	7.5E-04	1.0E-03	5.4E-07	1.6E-01	5.5E-03	4.6E-10
164	0.00	6.8E-10	1.0E+00	7.5E-04	1.0E-03	7.9E-07	1.6E-01	5.5E-03	6.8E-10
165	0.00	1.1E-09	1.6E+00	7.5E-04	1.0E-03	1.2E-06	1.6E-01	5.5E-03	1.1E-09
166	0.00	1.8E-09	2.7E+00	7.5E-04	1.0E-03	2.1E-06	1.6E-01	5.5E-03	1.8E-09
167	0.00	3.7E-09	5.5E+00	7.5E-04	1.0E-03	4.3E-06	1.6E-01	5.5E-03	3.7E-09
168	0.01	1.0E-08	1.5E+01	7.5E-04	1.0E-03	1.2E-05	1.6E-01	5.5E-03	1.0E-08
169	0.02	1.7E-08	2.5E+01	7.5E-04	1.0E-03	1.9E-05	1.6E-01	5.5E-03	1.7E-08
170	0.01	1.1E-08	1.6E+01	7.5E-04	1.0E-03	1.2E-05	1.6E-01	5.5E-03	1.1E-08
171	0.01	5.2E-09	7.8E+00	7.5E-04	1.0E-03	6.1E-06	1.6E-01	5.5E-03	5.2E-09
172	0.00	2.7E-09	4.0E+00	7.5E-04	1.0E-03	3.1E-06	1.6E-01	5.5E-03	2.7E-09
173	0.00	1.8E-09	2.6E+00	7.5E-04	1.0E-03	2.1E-06	1.6E-01	5.5E-03	1.8E-09
174	0.00	1.3E-09	1.9E+00	7.5E-04	1.0E-03	1.5E-06	1.6E-01	5.5E-03	1.3E-09
175	0.00	9.4E-10	1.4E+00	7.5E-04	1.0E-03	1.1E-06	1.6E-01	5.5E-03	9.4E-10
176	0.00	7.1E-10	1.1E+00	7.5E-04	1.0E-03	8.3E-07	1.6E-01	5.5E-03	7.1E-10
177	0.00	2.5E-10	3.8E-01	7.5E-04	1.0E-03	2.9E-07	1.6E-01	5.5E-03	2.5E-10

178	0.00	3.2E-10	4.8E-01	7.5E-04	1.0E-03	3.7E-07	1.6E-01	5.5E-03	3.2E-10
179	0.00	4.1E-10	6.1E-01	7.5E-04	1.0E-03	4.8E-07	1.6E-01	5.5E-03	4.1E-10
180	0.00	6.1E-10	9.0E-01	7.5E-04	1.0E-03	7.1E-07	1.6E-01	5.5E-03	6.1E-10
181	0.00	8.8E-10	1.3E+00	7.5E-04	1.0E-03	1.0E-06	1.6E-01	5.5E-03	8.8E-10
182	0.00	1.4E-09	2.0E+00	7.5E-04	1.0E-03	1.6E-06	1.6E-01	5.5E-03	1.4E-09
183	0.00	2.3E-09	3.4E+00	7.5E-04	1.0E-03	2.7E-06	1.6E-01	5.5E-03	2.3E-09
184	0.00	3.9E-09	5.8E+00	7.5E-04	1.0E-03	4.5E-06	1.6E-01	5.5E-03	3.9E-09
185	0.01	5.3E-09	7.8E+00	7.5E-04	1.0E-03	6.1E-06	1.6E-01	5.5E-03	5.3E-09
186	0.00	4.7E-09	6.9E+00	7.5E-04	1.0E-03	5.4E-06	1.6E-01	5.5E-03	4.7E-09
187	0.00	3.3E-09	4.8E+00	7.5E-04	1.0E-03	3.8E-06	1.6E-01	5.5E-03	3.3E-09
188	0.00	2.2E-09	3.2E+00	7.5E-04	1.0E-03	2.5E-06	1.6E-01	5.5E-03	2.2E-09
189	0.00	1.4E-09	2.0E+00	7.5E-04	1.0E-03	1.6E-06	1.6E-01	5.5E-03	1.4E-09
190	0.00	1.1E-09	1.6E+00	7.5E-04	1.0E-03	1.2E-06	1.6E-01	5.5E-03	1.1E-09
191	0.00	8.1E-10	1.2E+00	7.5E-04	1.0E-03	9.4E-07	1.6E-01	5.5E-03	8.1E-10
192	0.00	6.2E-10	9.2E-01	7.5E-04	1.0E-03	7.2E-07	1.6E-01	5.5E-03	6.2E-10
193	0.00	2.4E-10	3.5E-01	7.5E-04	1.0E-03	2.7E-07	1.6E-01	5.5E-03	2.4E-10
194	0.00	3.0E-10	4.5E-01	7.5E-04	1.0E-03	3.5E-07	1.6E-01	5.5E-03	3.0E-10
195	0.00	4.0E-10	5.9E-01	7.5E-04	1.0E-03	4.6E-07	1.6E-01	5.5E-03	4.0E-10
196	0.00	5.3E-10	7.8E-01	7.5E-04	1.0E-03	6.1E-07	1.6E-01	5.5E-03	5.2E-10
197	0.00	7.1E-10	1.1E+00	7.5E-04	1.0E-03	8.3E-07	1.6E-01	5.5E-03	7.1E-10
198	0.00	1.0E-09	1.5E+00	7.5E-04	1.0E-03	1.2E-06	1.6E-01	5.5E-03	1.0E-09
199	0.00	1.5E-09	2.2E+00	7.5E-04	1.0E-03	1.8E-06	1.6E-01	5.5E-03	1.5E-09
200	0.00	2.1E-09	3.2E+00	7.5E-04	1.0E-03	2.5E-06	1.6E-01	5.5E-03	2.1E-09
201	0.00	2.6E-09	3.9E+00	7.5E-04	1.0E-03	3.0E-06	1.6E-01	5.5E-03	2.6E-09
202	0.00	2.5E-09	3.7E+00	7.5E-04	1.0E-03	2.9E-06	1.6E-01	5.5E-03	2.5E-09
203	0.00	2.0E-09	2.9E+00	7.5E-04	1.0E-03	2.3E-06	1.6E-01	5.5E-03	2.0E-09
204	0.00	1.5E-09	2.3E+00	7.5E-04	1.0E-03	1.8E-06	1.6E-01	5.5E-03	1.5E-09
205	0.00	1.1E-09	1.7E+00	7.5E-04	1.0E-03	1.3E-06	1.6E-01	5.5E-03	1.1E-09
206	0.00	8.4E-10	1.2E+00	7.5E-04	1.0E-03	9.7E-07	1.6E-01	5.5E-03	8.4E-10
207	0.00	7.0E-10	1.0E+00	7.5E-04	1.0E-03	8.1E-07	1.6E-01	5.5E-03	7.0E-10
208	0.00	5.5E-10	8.2E-01	7.5E-04	1.0E-03	6.4E-07	1.6E-01	5.5E-03	5.5E-10
209	0.00	2.3E-10	3.4E-01	7.5E-04	1.0E-03	2.7E-07	1.6E-01	5.5E-03	2.3E-10
210	0.00	2.8E-10	4.2E-01	7.5E-04	1.0E-03	3.3E-07	1.6E-01	5.5E-03	2.8E-10
211	0.00	3.5E-10	5.2E-01	7.5E-04	1.0E-03	4.1E-07	1.6E-01	5.5E-03	3.5E-10
212	0.00	4.4E-10	6.5E-01	7.5E-04	1.0E-03	5.1E-07	1.6E-01	5.5E-03	4.4E-10
213	0.00	5.7E-10	8.5E-01	7.5E-04	1.0E-03	6.7E-07	1.6E-01	5.5E-03	5.7E-10
214	0.00	7.8E-10	1.2E+00	7.5E-04	1.0E-03	9.0E-07	1.6E-01	5.5E-03	7.8E-10
215	0.00	1.1E-09	1.6E+00	7.5E-04	1.0E-03	1.2E-06	1.6E-01	5.5E-03	1.1E-09
216	0.00	1.3E-09	2.0E+00	7.5E-04	1.0E-03	1.6E-06	1.6E-01	5.5E-03	1.3E-09
217	0.00	1.6E-09	2.3E+00	7.5E-04	1.0E-03	1.8E-06	1.6E-01	5.5E-03	1.6E-09
218	0.00	1.6E-09	2.3E+00	7.5E-04	1.0E-03	1.8E-06	1.6E-01	5.5E-03	1.6E-09
219	0.00	1.4E-09	2.1E+00	7.5E-04	1.0E-03	1.7E-06	1.6E-01	5.5E-03	1.4E-09
220	0.00	1.2E-09	1.8E+00	7.5E-04	1.0E-03	1.4E-06	1.6E-01	5.5E-03	1.2E-09
221	0.00	9.8E-10	1.4E+00	7.5E-04	1.0E-03	1.1E-06	1.6E-01	5.5E-03	9.8E-10
222	0.00	7.1E-10	1.1E+00	7.5E-04	1.0E-03	8.3E-07	1.6E-01	5.5E-03	7.1E-10
223	0.00	5.7E-10	8.4E-01	7.5E-04	1.0E-03	6.6E-07	1.6E-01	5.5E-03	5.7E-10

224	0.00	5.0E-10	7.4E-01	7.5E-04	1.0E-03	5.8E-07	1.6E-01	5.5E-03	5.0E-10
225	0.00	2.1E-10	3.1E-01	7.5E-04	1.0E-03	2.5E-07	1.6E-01	5.5E-03	2.1E-10
226	0.00	2.5E-10	3.7E-01	7.5E-04	1.0E-03	2.9E-07	1.6E-01	5.5E-03	2.5E-10
227	0.00	3.0E-10	4.5E-01	7.5E-04	1.0E-03	3.5E-07	1.6E-01	5.5E-03	3.0E-10
228	0.00	3.7E-10	5.6E-01	7.5E-04	1.0E-03	4.3E-07	1.6E-01	5.5E-03	3.7E-10
229	0.00	4.7E-10	7.0E-01	7.5E-04	1.0E-03	5.5E-07	1.6E-01	5.5E-03	4.7E-10
230	0.00	6.0E-10	9.0E-01	7.5E-04	1.0E-03	7.0E-07	1.6E-01	5.5E-03	6.0E-10
231	0.00	7.7E-10	1.1E+00	7.5E-04	1.0E-03	8.9E-07	1.6E-01	5.5E-03	7.7E-10
232	0.00	9.3E-10	1.4E+00	7.5E-04	1.0E-03	1.1E-06	1.6E-01	5.5E-03	9.3E-10
233	0.00	1.1E-09	1.6E+00	7.5E-04	1.0E-03	1.2E-06	1.6E-01	5.5E-03	1.1E-09
234	0.00	1.1E-09	1.6E+00	7.5E-04	1.0E-03	1.3E-06	1.6E-01	5.5E-03	1.1E-09
235	0.00	1.0E-09	1.5E+00	7.5E-04	1.0E-03	1.2E-06	1.6E-01	5.5E-03	1.0E-09
236	0.00	9.3E-10	1.4E+00	7.5E-04	1.0E-03	1.1E-06	1.6E-01	5.5E-03	9.3E-10
237	0.00	7.9E-10	1.2E+00	7.5E-04	1.0E-03	9.2E-07	1.6E-01	5.5E-03	7.9E-10
238	0.00	6.5E-10	9.7E-01	7.5E-04	1.0E-03	7.6E-07	1.6E-01	5.5E-03	6.5E-10
239	0.00	5.0E-10	7.4E-01	7.5E-04	1.0E-03	5.8E-07	1.6E-01	5.5E-03	5.0E-10
240	0.00	4.1E-10	6.1E-01	7.5E-04	1.0E-03	4.8E-07	1.6E-01	5.5E-03	4.1E-10
241	0.00	1.9E-10	2.8E-01	7.5E-04	1.0E-03	2.2E-07	1.6E-01	5.5E-03	1.9E-10
242	0.00	2.2E-10	3.3E-01	7.5E-04	1.0E-03	2.6E-07	1.6E-01	5.5E-03	2.2E-10
243	0.00	2.6E-10	3.9E-01	7.5E-04	1.0E-03	3.1E-07	1.6E-01	5.5E-03	2.6E-10
244	0.00	3.2E-10	4.7E-01	7.5E-04	1.0E-03	3.7E-07	1.6E-01	5.5E-03	3.1E-10
245	0.00	3.9E-10	5.7E-01	7.5E-04	1.0E-03	4.5E-07	1.6E-01	5.5E-03	3.9E-10
246	0.00	4.8E-10	7.0E-01	7.5E-04	1.0E-03	5.5E-07	1.6E-01	5.5E-03	4.7E-10
247	0.00	5.8E-10	8.6E-01	7.5E-04	1.0E-03	6.7E-07	1.6E-01	5.5E-03	5.8E-10
248	0.00	6.8E-10	1.0E+00	7.5E-04	1.0E-03	7.9E-07	1.6E-01	5.5E-03	6.8E-10
249	0.00	7.6E-10	1.1E+00	7.5E-04	1.0E-03	8.8E-07	1.6E-01	5.5E-03	7.6E-10
250	0.00	7.9E-10	1.2E+00	7.5E-04	1.0E-03	9.2E-07	1.6E-01	5.5E-03	7.9E-10
251	0.00	7.7E-10	1.1E+00	7.5E-04	1.0E-03	9.0E-07	1.6E-01	5.5E-03	7.7E-10
252	0.00	7.2E-10	1.1E+00	7.5E-04	1.0E-03	8.3E-07	1.6E-01	5.5E-03	7.2E-10
253	0.00	6.4E-10	9.5E-01	7.5E-04	1.0E-03	7.4E-07	1.6E-01	5.5E-03	6.4E-10
254	0.00	5.5E-10	8.2E-01	7.5E-04	1.0E-03	6.4E-07	1.6E-01	5.5E-03	5.5E-10
255	0.00	4.6E-10	6.9E-01	7.5E-04	1.0E-03	5.4E-07	1.6E-01	5.5E-03	4.6E-10
256	0.00	3.7E-10	5.4E-01	7.5E-04	1.0E-03	4.2E-07	1.6E-01	5.5E-03	3.7E-10
257	0.00	1.7E-10	2.5E-01	7.5E-04	1.0E-03	2.0E-07	1.6E-01	5.5E-03	1.7E-10
258	0.00	2.0E-10	2.9E-01	7.5E-04	1.0E-03	2.3E-07	1.6E-01	5.5E-03	2.0E-10
259	0.00	2.3E-10	3.4E-01	7.5E-04	1.0E-03	2.7E-07	1.6E-01	5.5E-03	2.3E-10
260	0.00	2.7E-10	4.0E-01	7.5E-04	1.0E-03	3.1E-07	1.6E-01	5.5E-03	2.7E-10
261	0.00	3.2E-10	4.8E-01	7.5E-04	1.0E-03	3.8E-07	1.6E-01	5.5E-03	3.2E-10
262	0.00	3.9E-10	5.7E-01	7.5E-04	1.0E-03	4.5E-07	1.6E-01	5.5E-03	3.9E-10
263	0.00	4.6E-10	6.8E-01	7.5E-04	1.0E-03	5.3E-07	1.6E-01	5.5E-03	4.6E-10
264	0.00	5.2E-10	7.8E-01	7.5E-04	1.0E-03	6.1E-07	1.6E-01	5.5E-03	5.2E-10
265	0.00	5.7E-10	8.5E-01	7.5E-04	1.0E-03	6.7E-07	1.6E-01	5.5E-03	5.7E-10
266	0.00	6.0E-10	8.9E-01	7.5E-04	1.0E-03	6.9E-07	1.6E-01	5.5E-03	6.0E-10
267	0.00	5.9E-10	8.8E-01	7.5E-04	1.0E-03	6.9E-07	1.6E-01	5.5E-03	5.9E-10
268	0.00	5.7E-10	8.4E-01	7.5E-04	1.0E-03	6.6E-07	1.6E-01	5.5E-03	5.7E-10
269	0.00	5.2E-10	7.7E-01	7.5E-04	1.0E-03	6.0E-07	1.6E-01	5.5E-03	5.2E-10

270	0.00	4.7E-10	6.9E-01	7.5E-04	1.0E-03	5.4E-07	1.6E-01	5.5E-03	4.6E-10
271	0.00	4.0E-10	6.0E-01	7.5E-04	1.0E-03	4.7E-07	1.6E-01	5.5E-03	4.0E-10
272	0.00	3.3E-10	4.9E-01	7.5E-04	1.0E-03	3.8E-07	1.6E-01	5.5E-03	3.3E-10
273	0.00	9.7E-10	1.4E+00	7.5E-04	1.0E-03	1.1E-06	1.6E-01	5.5E-03	9.5E-10
274	0.00	1.0E-09	1.5E+00	7.5E-04	1.0E-03	1.2E-06	1.6E-01	5.5E-03	1.0E-09
275	0.00	1.1E-09	1.6E+00	7.5E-04	1.0E-03	1.2E-06	1.6E-01	5.5E-03	1.1E-09
276	0.00	1.2E-09	1.7E+00	7.5E-04	1.0E-03	1.3E-06	1.6E-01	5.5E-03	1.1E-09
277	0.00	1.3E-09	1.8E+00	7.5E-04	1.0E-03	1.4E-06	1.6E-01	5.5E-03	1.2E-09
278	0.00	1.4E-09	1.9E+00	7.5E-04	1.0E-03	1.5E-06	1.6E-01	5.5E-03	1.3E-09
279	0.00	1.5E-09	2.0E+00	7.5E-04	1.0E-03	1.6E-06	1.6E-01	5.5E-03	1.4E-09
280	0.00	1.6E-09	2.1E+00	7.5E-04	1.0E-03	1.7E-06	1.6E-01	5.5E-03	1.4E-09
281	0.00	1.6E-09	2.3E+00	7.5E-04	1.0E-03	1.8E-06	1.6E-01	5.5E-03	1.5E-09
282	0.00	1.7E-09	2.4E+00	7.5E-04	1.0E-03	1.9E-06	1.6E-01	5.5E-03	1.6E-09
283	0.00	1.8E-09	2.6E+00	7.5E-04	1.0E-03	2.0E-06	1.6E-01	5.5E-03	1.7E-09
284	0.00	1.9E-09	2.7E+00	7.5E-04	1.0E-03	2.1E-06	1.6E-01	5.5E-03	1.8E-09
285	0.00	2.0E-09	2.8E+00	7.5E-04	1.0E-03	2.2E-06	1.6E-01	5.5E-03	1.9E-09
286	0.00	2.1E-09	3.0E+00	7.5E-04	1.0E-03	2.3E-06	1.6E-01	5.5E-03	2.0E-09
287	0.00	2.2E-09	3.1E+00	7.5E-04	1.0E-03	2.5E-06	1.6E-01	5.5E-03	2.1E-09
288	0.00	2.3E-09	3.3E+00	7.5E-04	1.0E-03	2.6E-06	1.6E-01	5.5E-03	2.2E-09
289	0.00	2.4E-09	3.5E+00	7.5E-04	1.0E-03	2.7E-06	1.6E-01	5.5E-03	2.3E-09
290	0.00	2.5E-09	3.7E+00	7.5E-04	1.0E-03	2.9E-06	1.6E-01	5.5E-03	2.5E-09
291	0.00	2.6E-09	3.8E+00	7.5E-04	1.0E-03	3.0E-06	1.6E-01	5.5E-03	2.6E-09
292	0.00	2.7E-09	3.9E+00	7.5E-04	1.0E-03	3.1E-06	1.6E-01	5.5E-03	2.6E-09
293	0.00	2.7E-09	4.0E+00	7.5E-04	1.0E-03	3.1E-06	1.6E-01	5.5E-03	2.7E-09
294	0.00	2.7E-09	4.0E+00	7.5E-04	1.0E-03	3.2E-06	1.6E-01	5.5E-03	2.7E-09
295	0.00	2.7E-09	4.1E+00	7.5E-04	1.0E-03	3.2E-06	1.6E-01	5.5E-03	2.7E-09
296	0.00	2.7E-09	4.0E+00	7.5E-04	1.0E-03	3.2E-06	1.6E-01	5.5E-03	2.7E-09
297	0.00	2.7E-09	4.0E+00	7.5E-04	1.0E-03	3.1E-06	1.6E-01	5.5E-03	2.7E-09
298	0.00	2.7E-09	4.0E+00	7.5E-04	1.0E-03	3.1E-06	1.6E-01	5.5E-03	2.7E-09
299	0.00	1.0E-09	1.5E+00	7.5E-04	1.0E-03	1.2E-06	1.6E-01	5.5E-03	1.0E-09
300	0.00	1.1E-09	1.6E+00	7.5E-04	1.0E-03	1.3E-06	1.6E-01	5.5E-03	1.1E-09
301	0.00	1.2E-09	1.7E+00	7.5E-04	1.0E-03	1.3E-06	1.6E-01	5.5E-03	1.2E-09
302	0.00	1.3E-09	1.8E+00	7.5E-04	1.0E-03	1.4E-06	1.6E-01	5.5E-03	1.2E-09
303	0.00	1.4E-09	2.0E+00	7.5E-04	1.0E-03	1.5E-06	1.6E-01	5.5E-03	1.3E-09
304	0.00	1.5E-09	2.1E+00	7.5E-04	1.0E-03	1.7E-06	1.6E-01	5.5E-03	1.4E-09
305	0.00	1.6E-09	2.2E+00	7.5E-04	1.0E-03	1.8E-06	1.6E-01	5.5E-03	1.5E-09
306	0.00	1.7E-09	2.4E+00	7.5E-04	1.0E-03	1.9E-06	1.6E-01	5.5E-03	1.6E-09
307	0.00	1.8E-09	2.5E+00	7.5E-04	1.0E-03	2.0E-06	1.6E-01	5.5E-03	1.7E-09
308	0.00	1.9E-09	2.7E+00	7.5E-04	1.0E-03	2.1E-06	1.6E-01	5.5E-03	1.8E-09
309	0.00	2.0E-09	2.9E+00	7.5E-04	1.0E-03	2.3E-06	1.6E-01	5.5E-03	1.9E-09
310	0.00	2.2E-09	3.0E+00	7.5E-04	1.0E-03	2.4E-06	1.6E-01	5.5E-03	2.0E-09
311	0.00	2.2E-09	3.2E+00	7.5E-04	1.0E-03	2.5E-06	1.6E-01	5.5E-03	2.2E-09
312	0.00	2.4E-09	3.4E+00	7.5E-04	1.0E-03	2.7E-06	1.6E-01	5.5E-03	2.3E-09
313	0.00	2.5E-09	3.6E+00	7.5E-04	1.0E-03	2.9E-06	1.6E-01	5.5E-03	2.5E-09
314	0.00	2.6E-09	3.8E+00	7.5E-04	1.0E-03	3.0E-06	1.6E-01	5.5E-03	2.6E-09
315	0.00	2.8E-09	4.0E+00	7.5E-04	1.0E-03	3.2E-06	1.6E-01	5.5E-03	2.7E-09

316	0.00	2.9E-09	4.3E+00	7.5E-04	1.0E-03	3.3E-06	1.6E-01	5.5E-03	2.9E-09
317	0.00	3.0E-09	4.4E+00	7.5E-04	1.0E-03	3.5E-06	1.6E-01	5.5E-03	3.0E-09
318	0.00	3.1E-09	4.5E+00	7.5E-04	1.0E-03	3.6E-06	1.6E-01	5.5E-03	3.1E-09
319	0.00	3.1E-09	4.6E+00	7.5E-04	1.0E-03	3.6E-06	1.6E-01	5.5E-03	3.1E-09
320	0.00	3.1E-09	4.6E+00	7.5E-04	1.0E-03	3.6E-06	1.6E-01	5.5E-03	3.1E-09
321	0.00	3.1E-09	4.6E+00	7.5E-04	1.0E-03	3.6E-06	1.6E-01	5.5E-03	3.1E-09
322	0.00	3.1E-09	4.6E+00	7.5E-04	1.0E-03	3.6E-06	1.6E-01	5.5E-03	3.1E-09
323	0.00	3.0E-09	4.5E+00	7.5E-04	1.0E-03	3.5E-06	1.6E-01	5.5E-03	3.0E-09
324	0.00	3.0E-09	4.4E+00	7.5E-04	1.0E-03	3.5E-06	1.6E-01	5.5E-03	3.0E-09
325	0.00	1.1E-09	1.6E+00	7.5E-04	1.0E-03	1.3E-06	1.6E-01	5.5E-03	1.1E-09
326	0.00	1.2E-09	1.7E+00	7.5E-04	1.0E-03	1.4E-06	1.6E-01	5.5E-03	1.2E-09
327	0.00	1.3E-09	1.9E+00	7.5E-04	1.0E-03	1.5E-06	1.6E-01	5.5E-03	1.3E-09
328	0.00	1.4E-09	2.0E+00	7.5E-04	1.0E-03	1.6E-06	1.6E-01	5.5E-03	1.3E-09
329	0.00	1.5E-09	2.2E+00	7.5E-04	1.0E-03	1.7E-06	1.6E-01	5.5E-03	1.5E-09
330	0.00	1.6E-09	2.3E+00	7.5E-04	1.0E-03	1.8E-06	1.6E-01	5.5E-03	1.6E-09
331	0.00	1.7E-09	2.5E+00	7.5E-04	1.0E-03	1.9E-06	1.6E-01	5.5E-03	1.7E-09
332	0.00	1.8E-09	2.7E+00	7.5E-04	1.0E-03	2.1E-06	1.6E-01	5.5E-03	1.8E-09
333	0.00	1.9E-09	2.9E+00	7.5E-04	1.0E-03	2.2E-06	1.6E-01	5.5E-03	1.9E-09
334	0.00	2.1E-09	3.1E+00	7.5E-04	1.0E-03	2.4E-06	1.6E-01	5.5E-03	2.1E-09
335	0.00	2.3E-09	3.3E+00	7.5E-04	1.0E-03	2.6E-06	1.6E-01	5.5E-03	2.2E-09
336	0.00	2.4E-09	3.5E+00	7.5E-04	1.0E-03	2.7E-06	1.6E-01	5.5E-03	2.4E-09
337	0.00	2.6E-09	3.7E+00	7.5E-04	1.0E-03	2.9E-06	1.6E-01	5.5E-03	2.5E-09
338	0.00	2.7E-09	4.0E+00	7.5E-04	1.0E-03	3.1E-06	1.6E-01	5.5E-03	2.7E-09
339	0.00	2.9E-09	4.3E+00	7.5E-04	1.0E-03	3.3E-06	1.6E-01	5.5E-03	2.9E-09
340	0.00	3.1E-09	4.5E+00	7.5E-04	1.0E-03	3.5E-06	1.6E-01	5.5E-03	3.0E-09
341	0.00	3.2E-09	4.8E+00	7.5E-04	1.0E-03	3.7E-06	1.6E-01	5.5E-03	3.2E-09
342	0.00	3.4E-09	5.0E+00	7.5E-04	1.0E-03	3.9E-06	1.6E-01	5.5E-03	3.4E-09
343	0.00	3.5E-09	5.2E+00	7.5E-04	1.0E-03	4.1E-06	1.6E-01	5.5E-03	3.5E-09
344	0.00	3.6E-09	5.3E+00	7.5E-04	1.0E-03	4.1E-06	1.6E-01	5.5E-03	3.6E-09
345	0.00	3.6E-09	5.3E+00	7.5E-04	1.0E-03	4.2E-06	1.6E-01	5.5E-03	3.6E-09
346	0.00	3.6E-09	5.3E+00	7.5E-04	1.0E-03	4.1E-06	1.6E-01	5.5E-03	3.6E-09
347	0.00	3.5E-09	5.2E+00	7.5E-04	1.0E-03	4.1E-06	1.6E-01	5.5E-03	3.5E-09
348	0.00	3.5E-09	5.2E+00	7.5E-04	1.0E-03	4.0E-06	1.6E-01	5.5E-03	3.5E-09
349	0.00	3.4E-09	5.0E+00	7.5E-04	1.0E-03	4.0E-06	1.6E-01	5.5E-03	3.4E-09
350	0.00	3.3E-09	4.9E+00	7.5E-04	1.0E-03	3.9E-06	1.6E-01	5.5E-03	3.3E-09
351	0.00	1.2E-09	1.7E+00	7.5E-04	1.0E-03	1.4E-06	1.6E-01	5.5E-03	1.2E-09
352	0.00	1.3E-09	1.9E+00	7.5E-04	1.0E-03	1.5E-06	1.6E-01	5.5E-03	1.3E-09
353	0.00	1.4E-09	2.0E+00	7.5E-04	1.0E-03	1.6E-06	1.6E-01	5.5E-03	1.4E-09
354	0.00	1.5E-09	2.2E+00	7.5E-04	1.0E-03	1.7E-06	1.6E-01	5.5E-03	1.5E-09
355	0.00	1.6E-09	2.4E+00	7.5E-04	1.0E-03	1.9E-06	1.6E-01	5.5E-03	1.6E-09
356	0.00	1.8E-09	2.6E+00	7.5E-04	1.0E-03	2.0E-06	1.6E-01	5.5E-03	1.7E-09
357	0.00	1.9E-09	2.8E+00	7.5E-04	1.0E-03	2.2E-06	1.6E-01	5.5E-03	1.9E-09
358	0.00	2.0E-09	3.0E+00	7.5E-04	1.0E-03	2.4E-06	1.6E-01	5.5E-03	2.0E-09
359	0.00	2.2E-09	3.3E+00	7.5E-04	1.0E-03	2.6E-06	1.6E-01	5.5E-03	2.2E-09
360	0.00	2.5E-09	3.5E+00	7.5E-04	1.0E-03	2.8E-06	1.6E-01	5.5E-03	2.4E-09
361	0.00	2.6E-09	3.8E+00	7.5E-04	1.0E-03	3.0E-06	1.6E-01	5.5E-03	2.6E-09

362	0.00	2.8E-09	4.1E+00	7.5E-04	1.0E-03	3.2E-06	1.6E-01	5.5E-03	2.8E-09
363	0.00	3.1E-09	4.4E+00	7.5E-04	1.0E-03	3.4E-06	1.6E-01	5.5E-03	3.0E-09
364	0.00	3.2E-09	4.7E+00	7.5E-04	1.0E-03	3.7E-06	1.6E-01	5.5E-03	3.2E-09
365	0.00	3.5E-09	5.1E+00	7.5E-04	1.0E-03	4.0E-06	1.6E-01	5.5E-03	3.4E-09
366	0.00	3.7E-09	5.4E+00	7.5E-04	1.0E-03	4.2E-06	1.6E-01	5.5E-03	3.6E-09
367	0.00	3.9E-09	5.7E+00	7.5E-04	1.0E-03	4.5E-06	1.6E-01	5.5E-03	3.8E-09
368	0.00	4.1E-09	6.0E+00	7.5E-04	1.0E-03	4.7E-06	1.6E-01	5.5E-03	4.0E-09
369	0.00	4.2E-09	6.1E+00	7.5E-04	1.0E-03	4.8E-06	1.6E-01	5.5E-03	4.1E-09
370	0.00	4.2E-09	6.2E+00	7.5E-04	1.0E-03	4.8E-06	1.6E-01	5.5E-03	4.2E-09
371	0.00	4.2E-09	6.2E+00	7.5E-04	1.0E-03	4.8E-06	1.6E-01	5.5E-03	4.2E-09
372	0.00	4.1E-09	6.1E+00	7.5E-04	1.0E-03	4.8E-06	1.6E-01	5.5E-03	4.1E-09
373	0.00	4.0E-09	6.0E+00	7.5E-04	1.0E-03	4.7E-06	1.6E-01	5.5E-03	4.0E-09
374	0.00	3.9E-09	5.8E+00	7.5E-04	1.0E-03	4.6E-06	1.6E-01	5.5E-03	3.9E-09
375	0.00	3.8E-09	5.7E+00	7.5E-04	1.0E-03	4.4E-06	1.6E-01	5.5E-03	3.8E-09
376	0.00	3.7E-09	5.5E+00	7.5E-04	1.0E-03	4.3E-06	1.6E-01	5.5E-03	3.7E-09
377	0.00	1.3E-09	1.9E+00	7.5E-04	1.0E-03	1.5E-06	1.6E-01	5.5E-03	1.3E-09
378	0.00	1.4E-09	2.0E+00	7.5E-04	1.0E-03	1.6E-06	1.6E-01	5.5E-03	1.4E-09
379	0.00	1.6E-09	2.2E+00	7.5E-04	1.0E-03	1.7E-06	1.6E-01	5.5E-03	1.5E-09
380	0.00	1.6E-09	2.4E+00	7.5E-04	1.0E-03	1.9E-06	1.6E-01	5.5E-03	1.6E-09
381	0.00	1.8E-09	2.6E+00	7.5E-04	1.0E-03	2.1E-06	1.6E-01	5.5E-03	1.8E-09
382	0.00	4.7E-09	7.0E+00	7.5E-04	1.0E-03	5.4E-06	1.6E-01	5.5E-03	4.7E-09
383	0.00	4.9E-09	7.2E+00	7.5E-04	1.0E-03	5.6E-06	1.6E-01	5.5E-03	4.9E-09
384	0.00	5.0E-09	7.3E+00	7.5E-04	1.0E-03	5.7E-06	1.6E-01	5.5E-03	4.9E-09
385	0.00	4.9E-09	7.3E+00	7.5E-04	1.0E-03	5.7E-06	1.6E-01	5.5E-03	4.9E-09
386	0.00	4.9E-09	7.2E+00	7.5E-04	1.0E-03	5.6E-06	1.6E-01	5.5E-03	4.8E-09
387	0.00	4.7E-09	7.0E+00	7.5E-04	1.0E-03	5.5E-06	1.6E-01	5.5E-03	4.7E-09
388	0.00	4.6E-09	6.8E+00	7.5E-04	1.0E-03	5.3E-06	1.6E-01	5.5E-03	4.6E-09
389	0.00	4.4E-09	6.6E+00	7.5E-04	1.0E-03	5.1E-06	1.6E-01	5.5E-03	4.4E-09
390	0.00	4.3E-09	6.3E+00	7.5E-04	1.0E-03	4.9E-06	1.6E-01	5.5E-03	4.3E-09
391	0.00	4.1E-09	6.1E+00	7.5E-04	1.0E-03	4.7E-06	1.6E-01	5.5E-03	4.1E-09
392	0.00	1.4E-09	2.0E+00	7.5E-04	1.0E-03	1.6E-06	1.6E-01	5.5E-03	1.3E-09
393	0.00	1.5E-09	2.2E+00	7.5E-04	1.0E-03	1.7E-06	1.6E-01	5.5E-03	1.5E-09
394	0.00	1.7E-09	2.4E+00	7.5E-04	1.0E-03	1.9E-06	1.6E-01	5.5E-03	1.6E-09
395	0.00	1.8E-09	2.6E+00	7.5E-04	1.0E-03	2.1E-06	1.6E-01	5.5E-03	1.8E-09
396	0.00	2.0E-09	2.9E+00	7.5E-04	1.0E-03	2.3E-06	1.6E-01	5.5E-03	2.0E-09
397	0.01	5.8E-09	8.6E+00	7.5E-04	1.0E-03	6.7E-06	1.6E-01	5.5E-03	5.8E-09
398	0.01	6.0E-09	8.8E+00	7.5E-04	1.0E-03	6.9E-06	1.6E-01	5.5E-03	6.0E-09
399	0.01	6.0E-09	8.8E+00	7.5E-04	1.0E-03	6.9E-06	1.6E-01	5.5E-03	6.0E-09
400	0.01	5.9E-09	8.7E+00	7.5E-04	1.0E-03	6.8E-06	1.6E-01	5.5E-03	5.8E-09
401	0.01	5.7E-09	8.4E+00	7.5E-04	1.0E-03	6.6E-06	1.6E-01	5.5E-03	5.7E-09
402	0.01	5.5E-09	8.1E+00	7.5E-04	1.0E-03	6.3E-06	1.6E-01	5.5E-03	5.5E-09
403	0.01	5.2E-09	7.7E+00	7.5E-04	1.0E-03	6.1E-06	1.6E-01	5.5E-03	5.2E-09
404	0.00	5.0E-09	7.4E+00	7.5E-04	1.0E-03	5.8E-06	1.6E-01	5.5E-03	5.0E-09
405	0.00	4.7E-09	7.0E+00	7.5E-04	1.0E-03	5.5E-06	1.6E-01	5.5E-03	4.7E-09
406	0.00	4.5E-09	6.7E+00	7.5E-04	1.0E-03	5.2E-06	1.6E-01	5.5E-03	4.5E-09
407	0.00	1.5E-09	2.1E+00	7.5E-04	1.0E-03	1.7E-06	1.6E-01	5.5E-03	1.4E-09

408	0.00	1.6E-09	2.3E+00	7.5E-04	1.0E-03	1.8E-06	1.6E-01	5.5E-03	1.6E-09
409	0.00	1.8E-09	2.6E+00	7.5E-04	1.0E-03	2.0E-06	1.6E-01	5.5E-03	1.7E-09
410	0.00	2.0E-09	2.8E+00	7.5E-04	1.0E-03	2.2E-06	1.6E-01	5.5E-03	1.9E-09
411	0.00	2.2E-09	3.2E+00	7.5E-04	1.0E-03	2.5E-06	1.6E-01	5.5E-03	2.1E-09
412	0.01	7.4E-09	1.1E+01	7.5E-04	1.0E-03	8.5E-06	1.6E-01	5.5E-03	7.3E-09
413	0.01	7.4E-09	1.1E+01	7.5E-04	1.0E-03	8.6E-06	1.6E-01	5.5E-03	7.4E-09
414	0.01	7.3E-09	1.1E+01	7.5E-04	1.0E-03	8.4E-06	1.6E-01	5.5E-03	7.2E-09
415	0.01	7.0E-09	1.0E+01	7.5E-04	1.0E-03	8.1E-06	1.6E-01	5.5E-03	7.0E-09
416	0.01	6.6E-09	9.8E+00	7.5E-04	1.0E-03	7.7E-06	1.6E-01	5.5E-03	6.6E-09
417	0.01	6.3E-09	9.3E+00	7.5E-04	1.0E-03	7.3E-06	1.6E-01	5.5E-03	6.3E-09
418	0.01	5.9E-09	8.8E+00	7.5E-04	1.0E-03	6.9E-06	1.6E-01	5.5E-03	5.9E-09
419	0.01	5.6E-09	8.3E+00	7.5E-04	1.0E-03	6.5E-06	1.6E-01	5.5E-03	5.6E-09
420	0.01	5.3E-09	7.8E+00	7.5E-04	1.0E-03	6.1E-06	1.6E-01	5.5E-03	5.2E-09
421	0.00	4.9E-09	7.3E+00	7.5E-04	1.0E-03	5.7E-06	1.6E-01	5.5E-03	4.9E-09
422	0.00	1.6E-09	2.3E+00	7.5E-04	1.0E-03	1.8E-06	1.6E-01	5.5E-03	1.5E-09
423	0.00	1.7E-09	2.5E+00	7.5E-04	1.0E-03	2.0E-06	1.6E-01	5.5E-03	1.7E-09
424	0.00	1.9E-09	2.8E+00	7.5E-04	1.0E-03	2.2E-06	1.6E-01	5.5E-03	1.9E-09
425	0.00	2.1E-09	3.1E+00	7.5E-04	1.0E-03	2.4E-06	1.6E-01	5.5E-03	2.1E-09
426	0.00	2.4E-09	3.5E+00	7.5E-04	1.0E-03	2.7E-06	1.6E-01	5.5E-03	2.3E-09
427	0.01	9.6E-09	1.4E+01	7.5E-04	1.0E-03	1.1E-05	1.6E-01	5.5E-03	9.5E-09
428	0.01	9.3E-09	1.4E+01	7.5E-04	1.0E-03	1.1E-05	1.6E-01	5.5E-03	9.3E-09
429	0.01	8.8E-09	1.3E+01	7.5E-04	1.0E-03	1.0E-05	1.6E-01	5.5E-03	8.8E-09
430	0.01	8.3E-09	1.2E+01	7.5E-04	1.0E-03	9.6E-06	1.6E-01	5.5E-03	8.3E-09
431	0.01	7.7E-09	1.1E+01	7.5E-04	1.0E-03	8.9E-06	1.6E-01	5.5E-03	7.7E-09
432	0.01	7.2E-09	1.1E+01	7.5E-04	1.0E-03	8.3E-06	1.6E-01	5.5E-03	7.2E-09
433	0.01	6.7E-09	9.9E+00	7.5E-04	1.0E-03	7.8E-06	1.6E-01	5.5E-03	6.7E-09
434	0.01	6.2E-09	9.2E+00	7.5E-04	1.0E-03	7.2E-06	1.6E-01	5.5E-03	6.2E-09
435	0.01	5.8E-09	8.6E+00	7.5E-04	1.0E-03	6.7E-06	1.6E-01	5.5E-03	5.8E-09
436	0.01	5.4E-09	8.0E+00	7.5E-04	1.0E-03	6.3E-06	1.6E-01	5.5E-03	5.4E-09
437	0.00	1.6E-09	2.4E+00	7.5E-04	1.0E-03	1.9E-06	1.6E-01	5.5E-03	1.6E-09
438	0.00	1.8E-09	2.7E+00	7.5E-04	1.0E-03	2.1E-06	1.6E-01	5.5E-03	1.8E-09
439	0.00	2.0E-09	3.0E+00	7.5E-04	1.0E-03	2.3E-06	1.6E-01	5.5E-03	2.0E-09
440	0.00	2.3E-09	3.3E+00	7.5E-04	1.0E-03	2.6E-06	1.6E-01	5.5E-03	2.3E-09
441	0.00	2.6E-09	3.8E+00	7.5E-04	1.0E-03	3.0E-06	1.6E-01	5.5E-03	2.6E-09
442	0.01	1.3E-08	1.9E+01	7.5E-04	1.0E-03	1.5E-05	1.6E-01	5.5E-03	1.3E-08
443	0.01	1.2E-08	1.7E+01	7.5E-04	1.0E-03	1.4E-05	1.6E-01	5.5E-03	1.2E-08
444	0.01	1.1E-08	1.6E+01	7.5E-04	1.0E-03	1.2E-05	1.6E-01	5.5E-03	1.1E-08
445	0.01	9.8E-09	1.4E+01	7.5E-04	1.0E-03	1.1E-05	1.6E-01	5.5E-03	9.7E-09
446	0.01	8.9E-09	1.3E+01	7.5E-04	1.0E-03	1.0E-05	1.6E-01	5.5E-03	8.9E-09
447	0.01	8.2E-09	1.2E+01	7.5E-04	1.0E-03	9.5E-06	1.6E-01	5.5E-03	8.1E-09
448	0.01	7.5E-09	1.1E+01	7.5E-04	1.0E-03	8.7E-06	1.6E-01	5.5E-03	7.5E-09
449	0.01	6.9E-09	1.0E+01	7.5E-04	1.0E-03	8.0E-06	1.6E-01	5.5E-03	6.9E-09
450	0.01	6.3E-09	9.4E+00	7.5E-04	1.0E-03	7.4E-06	1.6E-01	5.5E-03	6.3E-09
451	0.01	5.9E-09	8.7E+00	7.5E-04	1.0E-03	6.8E-06	1.6E-01	5.5E-03	5.9E-09
452	0.00	1.7E-09	2.5E+00	7.5E-04	1.0E-03	2.0E-06	1.6E-01	5.5E-03	1.7E-09
453	0.00	1.9E-09	2.8E+00	7.5E-04	1.0E-03	2.2E-06	1.6E-01	5.5E-03	1.9E-09

454	0.00	2.2E-09	3.2E+00	7.5E-04	1.0E-03	2.5E-06	1.6E-01	5.5E-03	2.2E-09
455	0.00	2.5E-09	3.6E+00	7.5E-04	1.0E-03	2.8E-06	1.6E-01	5.5E-03	2.4E-09
456	0.00	2.9E-09	4.2E+00	7.5E-04	1.0E-03	3.3E-06	1.6E-01	5.5E-03	2.8E-09
457	0.02	1.7E-08	2.5E+01	7.5E-04	1.0E-03	1.9E-05	1.6E-01	5.5E-03	1.7E-08
458	0.01	1.5E-08	2.2E+01	7.5E-04	1.0E-03	1.7E-05	1.6E-01	5.5E-03	1.5E-08
459	0.01	1.3E-08	1.9E+01	7.5E-04	1.0E-03	1.5E-05	1.6E-01	5.5E-03	1.3E-08
460	0.01	1.1E-08	1.7E+01	7.5E-04	1.0E-03	1.3E-05	1.6E-01	5.5E-03	1.1E-08
461	0.01	1.0E-08	1.5E+01	7.5E-04	1.0E-03	1.2E-05	1.6E-01	5.5E-03	1.0E-08
462	0.01	9.2E-09	1.4E+01	7.5E-04	1.0E-03	1.1E-05	1.6E-01	5.5E-03	9.2E-09
463	0.01	8.3E-09	1.2E+01	7.5E-04	1.0E-03	9.7E-06	1.6E-01	5.5E-03	8.3E-09
464	0.01	7.6E-09	1.1E+01	7.5E-04	1.0E-03	8.8E-06	1.6E-01	5.5E-03	7.6E-09
465	0.01	6.9E-09	1.0E+01	7.5E-04	1.0E-03	8.0E-06	1.6E-01	5.5E-03	6.9E-09
466	0.01	6.3E-09	9.4E+00	7.5E-04	1.0E-03	7.3E-06	1.6E-01	5.5E-03	6.3E-09
467	0.00	1.8E-09	2.7E+00	7.5E-04	1.0E-03	2.1E-06	1.6E-01	5.5E-03	1.8E-09
468	0.00	2.0E-09	3.0E+00	7.5E-04	1.0E-03	2.4E-06	1.6E-01	5.5E-03	2.0E-09
469	0.00	2.3E-09	3.4E+00	7.5E-04	1.0E-03	2.7E-06	1.6E-01	5.5E-03	2.3E-09
470	0.00	2.7E-09	3.9E+00	7.5E-04	1.0E-03	3.1E-06	1.6E-01	5.5E-03	2.6E-09
471	0.00	3.1E-09	4.6E+00	7.5E-04	1.0E-03	3.6E-06	1.6E-01	5.5E-03	3.1E-09
472	0.02	2.1E-08	3.1E+01	7.5E-04	1.0E-03	2.5E-05	1.6E-01	5.5E-03	2.1E-08
473	0.02	1.8E-08	2.6E+01	7.5E-04	1.0E-03	2.0E-05	1.6E-01	5.5E-03	1.8E-08
474	0.01	1.5E-08	2.2E+01	7.5E-04	1.0E-03	1.7E-05	1.6E-01	5.5E-03	1.5E-08
475	0.01	1.3E-08	1.9E+01	7.5E-04	1.0E-03	1.5E-05	1.6E-01	5.5E-03	1.3E-08
476	0.01	1.1E-08	1.7E+01	7.5E-04	1.0E-03	1.3E-05	1.6E-01	5.5E-03	1.1E-08
477	0.01	1.0E-08	1.5E+01	7.5E-04	1.0E-03	1.2E-05	1.6E-01	5.5E-03	1.0E-08
478	0.01	9.2E-09	1.4E+01	7.5E-04	1.0E-03	1.1E-05	1.6E-01	5.5E-03	9.2E-09
479	0.01	8.3E-09	1.2E+01	7.5E-04	1.0E-03	9.6E-06	1.6E-01	5.5E-03	8.3E-09
480	0.01	7.5E-09	1.1E+01	7.5E-04	1.0E-03	8.7E-06	1.6E-01	5.5E-03	7.5E-09
481	0.01	6.8E-09	1.0E+01	7.5E-04	1.0E-03	7.9E-06	1.6E-01	5.5E-03	6.8E-09
482	0.00	1.9E-09	2.8E+00	7.5E-04	1.0E-03	2.2E-06	1.6E-01	5.5E-03	1.9E-09
483	0.00	2.2E-09	3.2E+00	7.5E-04	1.0E-03	2.5E-06	1.6E-01	5.5E-03	2.1E-09
484	0.00	2.5E-09	3.6E+00	7.5E-04	1.0E-03	2.8E-06	1.6E-01	5.5E-03	2.4E-09
485	0.00	2.9E-09	4.2E+00	7.5E-04	1.0E-03	3.3E-06	1.6E-01	5.5E-03	2.8E-09
486	0.00	3.4E-09	5.0E+00	7.5E-04	1.0E-03	3.9E-06	1.6E-01	5.5E-03	3.4E-09
487	0.03	2.5E-08	3.8E+01	7.5E-04	1.0E-03	2.9E-05	1.6E-01	5.5E-03	2.5E-08
488	0.02	2.0E-08	3.0E+01	7.5E-04	1.0E-03	2.4E-05	1.6E-01	5.5E-03	2.0E-08
489	0.02	1.7E-08	2.5E+01	7.5E-04	1.0E-03	2.0E-05	1.6E-01	5.5E-03	1.7E-08
490	0.01	1.5E-08	2.2E+01	7.5E-04	1.0E-03	1.7E-05	1.6E-01	5.5E-03	1.5E-08
491	0.01	1.3E-08	1.9E+01	7.5E-04	1.0E-03	1.5E-05	1.6E-01	5.5E-03	1.3E-08
492	0.01	1.1E-08	1.7E+01	7.5E-04	1.0E-03	1.3E-05	1.6E-01	5.5E-03	1.1E-08
493	0.01	1.0E-08	1.5E+01	7.5E-04	1.0E-03	1.2E-05	1.6E-01	5.5E-03	1.0E-08
494	0.01	9.0E-09	1.3E+01	7.5E-04	1.0E-03	1.0E-05	1.6E-01	5.5E-03	9.0E-09
495	0.01	8.1E-09	1.2E+01	7.5E-04	1.0E-03	9.4E-06	1.6E-01	5.5E-03	8.1E-09
496	0.01	7.2E-09	1.1E+01	7.5E-04	1.0E-03	8.4E-06	1.6E-01	5.5E-03	7.2E-09
497	0.00	2.0E-09	2.9E+00	7.5E-04	1.0E-03	2.3E-06	1.6E-01	5.5E-03	2.0E-09
498	0.00	2.3E-09	3.3E+00	7.5E-04	1.0E-03	2.6E-06	1.6E-01	5.5E-03	2.2E-09
499	0.00	2.6E-09	3.8E+00	7.5E-04	1.0E-03	3.0E-06	1.6E-01	5.5E-03	2.6E-09

500	0.00	3.1E-09	4.5E+00	7.5E-04	1.0E-03	3.5E-06	1.6E-01	5.5E-03	3.0E-09
501	0.00	3.6E-09	5.4E+00	7.5E-04	1.0E-03	4.2E-06	1.6E-01	5.5E-03	3.6E-09
502	0.03	2.9E-08	4.2E+01	7.5E-04	1.0E-03	3.3E-05	1.6E-01	5.5E-03	2.9E-08
503	0.02	2.3E-08	3.4E+01	7.5E-04	1.0E-03	2.7E-05	1.6E-01	5.5E-03	2.3E-08
504	0.02	1.9E-08	2.8E+01	7.5E-04	1.0E-03	2.2E-05	1.6E-01	5.5E-03	1.9E-08
505	0.02	1.6E-08	2.4E+01	7.5E-04	1.0E-03	1.9E-05	1.6E-01	5.5E-03	1.6E-08
506	0.01	1.4E-08	2.1E+01	7.5E-04	1.0E-03	1.6E-05	1.6E-01	5.5E-03	1.4E-08
507	0.01	1.2E-08	1.8E+01	7.5E-04	1.0E-03	1.4E-05	1.6E-01	5.5E-03	1.2E-08
508	0.01	1.1E-08	1.6E+01	7.5E-04	1.0E-03	1.3E-05	1.6E-01	5.5E-03	1.1E-08
509	0.01	9.6E-09	1.4E+01	7.5E-04	1.0E-03	1.1E-05	1.6E-01	5.5E-03	9.6E-09
510	0.01	8.6E-09	1.3E+01	7.5E-04	1.0E-03	1.0E-05	1.6E-01	5.5E-03	8.6E-09
511	0.01	7.7E-09	1.1E+01	7.5E-04	1.0E-03	8.9E-06	1.6E-01	5.5E-03	7.6E-09
512	0.00	2.0E-09	3.0E+00	7.5E-04	1.0E-03	2.4E-06	1.6E-01	5.5E-03	2.0E-09
513	0.00	2.3E-09	3.5E+00	7.5E-04	1.0E-03	2.7E-06	1.6E-01	5.5E-03	2.3E-09
514	0.00	2.7E-09	4.0E+00	7.5E-04	1.0E-03	3.1E-06	1.6E-01	5.5E-03	2.7E-09
515	0.00	3.2E-09	4.7E+00	7.5E-04	1.0E-03	3.7E-06	1.6E-01	5.5E-03	3.2E-09
516	0.00	3.9E-09	5.7E+00	7.5E-04	1.0E-03	4.5E-06	1.6E-01	5.5E-03	3.8E-09
517	0.03	3.1E-08	4.6E+01	7.5E-04	1.0E-03	3.6E-05	1.6E-01	5.5E-03	3.1E-08
518	0.03	2.5E-08	3.7E+01	7.5E-04	1.0E-03	2.9E-05	1.6E-01	5.5E-03	2.5E-08
519	0.02	2.1E-08	3.1E+01	7.5E-04	1.0E-03	2.4E-05	1.6E-01	5.5E-03	2.1E-08
520	0.02	1.8E-08	2.6E+01	7.5E-04	1.0E-03	2.1E-05	1.6E-01	5.5E-03	1.8E-08
521	0.02	1.5E-08	2.3E+01	7.5E-04	1.0E-03	1.8E-05	1.6E-01	5.5E-03	1.5E-08
522	0.01	1.3E-08	2.0E+01	7.5E-04	1.0E-03	1.5E-05	1.6E-01	5.5E-03	1.3E-08
523	0.01	1.2E-08	1.7E+01	7.5E-04	1.0E-03	1.4E-05	1.6E-01	5.5E-03	1.2E-08
524	0.01	1.0E-08	1.5E+01	7.5E-04	1.0E-03	1.2E-05	1.6E-01	5.5E-03	1.0E-08
525	0.01	9.1E-09	1.3E+01	7.5E-04	1.0E-03	1.1E-05	1.6E-01	5.5E-03	9.0E-09
526	0.01	8.0E-09	1.2E+01	7.5E-04	1.0E-03	9.3E-06	1.6E-01	5.5E-03	8.0E-09
527	0.00	2.1E-09	3.1E+00	7.5E-04	1.0E-03	2.4E-06	1.6E-01	5.5E-03	2.1E-09
528	0.00	2.4E-09	3.6E+00	7.5E-04	1.0E-03	2.8E-06	1.6E-01	5.5E-03	2.4E-09
529	0.00	2.8E-09	4.2E+00	7.5E-04	1.0E-03	3.3E-06	1.6E-01	5.5E-03	2.8E-09
530	0.00	3.4E-09	5.0E+00	7.5E-04	1.0E-03	3.9E-06	1.6E-01	5.5E-03	3.3E-09
531	0.00	4.1E-09	6.0E+00	7.5E-04	1.0E-03	4.7E-06	1.6E-01	5.5E-03	4.1E-09
532	0.03	3.4E-08	5.0E+01	7.5E-04	1.0E-03	3.9E-05	1.6E-01	5.5E-03	3.4E-08
533	0.03	2.8E-08	4.1E+01	7.5E-04	1.0E-03	3.2E-05	1.6E-01	5.5E-03	2.8E-08
534	0.02	2.3E-08	3.4E+01	7.5E-04	1.0E-03	2.6E-05	1.6E-01	5.5E-03	2.3E-08
535	0.02	1.9E-08	2.8E+01	7.5E-04	1.0E-03	2.2E-05	1.6E-01	5.5E-03	1.9E-08
536	0.02	1.6E-08	2.4E+01	7.5E-04	1.0E-03	1.9E-05	1.6E-01	5.5E-03	1.6E-08
537	0.01	1.4E-08	2.1E+01	7.5E-04	1.0E-03	1.6E-05	1.6E-01	5.5E-03	1.4E-08
538	0.01	1.2E-08	1.8E+01	7.5E-04	1.0E-03	1.4E-05	1.6E-01	5.5E-03	1.2E-08
539	0.01	1.1E-08	1.6E+01	7.5E-04	1.0E-03	1.3E-05	1.6E-01	5.5E-03	1.1E-08
540	0.01	9.4E-09	1.4E+01	7.5E-04	1.0E-03	1.1E-05	1.6E-01	5.5E-03	9.4E-09
541	0.01	8.2E-09	1.2E+01	7.5E-04	1.0E-03	9.5E-06	1.6E-01	5.5E-03	8.2E-09
542	0.00	2.2E-09	3.2E+00	7.5E-04	1.0E-03	2.5E-06	1.6E-01	5.5E-03	2.1E-09
543	0.00	2.5E-09	3.7E+00	7.5E-04	1.0E-03	2.9E-06	1.6E-01	5.5E-03	2.5E-09
544	0.00	2.9E-09	4.3E+00	7.5E-04	1.0E-03	3.4E-06	1.6E-01	5.5E-03	2.9E-09
545	0.00	3.5E-09	5.1E+00	7.5E-04	1.0E-03	4.0E-06	1.6E-01	5.5E-03	3.5E-09

546	0.00	4.2E-09	6.3E+00	7.5E-04	1.0E-03	4.9E-06	1.6E-01	5.5E-03	4.2E-09
547	0.04	3.8E-08	5.6E+01	7.5E-04	1.0E-03	4.4E-05	1.6E-01	5.5E-03	3.8E-08
548	0.03	3.0E-08	4.5E+01	7.5E-04	1.0E-03	3.5E-05	1.6E-01	5.5E-03	3.0E-08
549	0.02	2.5E-08	3.7E+01	7.5E-04	1.0E-03	2.9E-05	1.6E-01	5.5E-03	2.5E-08
550	0.02	2.1E-08	3.1E+01	7.5E-04	1.0E-03	2.4E-05	1.6E-01	5.5E-03	2.1E-08
551	0.02	1.7E-08	2.5E+01	7.5E-04	1.0E-03	2.0E-05	1.6E-01	5.5E-03	1.7E-08
552	0.01	1.4E-08	2.1E+01	7.5E-04	1.0E-03	1.7E-05	1.6E-01	5.5E-03	1.4E-08
553	0.01	1.2E-08	1.9E+01	7.5E-04	1.0E-03	1.4E-05	1.6E-01	5.5E-03	1.2E-08
554	0.01	1.1E-08	1.6E+01	7.5E-04	1.0E-03	1.3E-05	1.6E-01	5.5E-03	1.1E-08
555	0.01	9.4E-09	1.4E+01	7.5E-04	1.0E-03	1.1E-05	1.6E-01	5.5E-03	9.4E-09
556	0.01	8.2E-09	1.2E+01	7.5E-04	1.0E-03	9.5E-06	1.6E-01	5.5E-03	8.2E-09
557	0.00	2.2E-09	3.2E+00	7.5E-04	1.0E-03	2.5E-06	1.6E-01	5.5E-03	2.2E-09
558	0.00	2.5E-09	3.7E+00	7.5E-04	1.0E-03	2.9E-06	1.6E-01	5.5E-03	2.5E-09
559	0.00	3.0E-09	4.4E+00	7.5E-04	1.0E-03	3.4E-06	1.6E-01	5.5E-03	3.0E-09
560	0.00	3.6E-09	5.3E+00	7.5E-04	1.0E-03	4.1E-06	1.6E-01	5.5E-03	3.6E-09
561	0.00	4.3E-09	6.4E+00	7.5E-04	1.0E-03	5.0E-06	1.6E-01	5.5E-03	4.3E-09
562	0.03	3.4E-08	5.1E+01	7.5E-04	1.0E-03	4.0E-05	1.6E-01	5.5E-03	3.4E-08
563	0.03	2.8E-08	4.1E+01	7.5E-04	1.0E-03	3.2E-05	1.6E-01	5.5E-03	2.8E-08
564	0.02	2.2E-08	3.3E+01	7.5E-04	1.0E-03	2.6E-05	1.6E-01	5.5E-03	2.2E-08
565	0.02	1.7E-08	2.5E+01	7.5E-04	1.0E-03	2.0E-05	1.6E-01	5.5E-03	1.7E-08
566	0.01	1.4E-08	2.1E+01	7.5E-04	1.0E-03	1.7E-05	1.6E-01	5.5E-03	1.4E-08
567	0.01	1.2E-08	1.8E+01	7.5E-04	1.0E-03	1.4E-05	1.6E-01	5.5E-03	1.2E-08
568	0.01	1.0E-08	1.5E+01	7.5E-04	1.0E-03	1.2E-05	1.6E-01	5.5E-03	1.0E-08
569	0.01	9.0E-09	1.3E+01	7.5E-04	1.0E-03	1.0E-05	1.6E-01	5.5E-03	9.0E-09
570	0.01	7.9E-09	1.2E+01	7.5E-04	1.0E-03	9.2E-06	1.6E-01	5.5E-03	7.9E-09
571	0.00	2.2E-09	3.3E+00	7.5E-04	1.0E-03	2.5E-06	1.6E-01	5.5E-03	2.2E-09
572	0.00	2.6E-09	3.8E+00	7.5E-04	1.0E-03	3.0E-06	1.6E-01	5.5E-03	2.5E-09
573	0.00	3.0E-09	4.4E+00	7.5E-04	1.0E-03	3.5E-06	1.6E-01	5.5E-03	3.0E-09
574	0.00	3.6E-09	5.4E+00	7.5E-04	1.0E-03	4.2E-06	1.6E-01	5.5E-03	3.6E-09
575	0.00	4.4E-09	6.5E+00	7.5E-04	1.0E-03	5.1E-06	1.6E-01	5.5E-03	4.4E-09
576	0.03	3.2E-08	4.7E+01	7.5E-04	1.0E-03	3.7E-05	1.6E-01	5.5E-03	3.2E-08
577	0.03	2.5E-08	3.8E+01	7.5E-04	1.0E-03	2.9E-05	1.6E-01	5.5E-03	2.5E-08
578	0.02	2.0E-08	2.9E+01	7.5E-04	1.0E-03	2.3E-05	1.6E-01	5.5E-03	2.0E-08
579	0.02	1.6E-08	2.4E+01	7.5E-04	1.0E-03	1.9E-05	1.6E-01	5.5E-03	1.6E-08
580	0.01	1.3E-08	2.0E+01	7.5E-04	1.0E-03	1.5E-05	1.6E-01	5.5E-03	1.3E-08
581	0.01	1.1E-08	1.6E+01	7.5E-04	1.0E-03	1.3E-05	1.6E-01	5.5E-03	1.1E-08
582	0.01	9.1E-09	1.3E+01	7.5E-04	1.0E-03	1.1E-05	1.6E-01	5.5E-03	9.1E-09
583	0.01	7.7E-09	1.1E+01	7.5E-04	1.0E-03	8.9E-06	1.6E-01	5.5E-03	7.7E-09
584	0.00	2.2E-09	3.3E+00	7.5E-04	1.0E-03	2.5E-06	1.6E-01	5.5E-03	2.2E-09
585	0.00	2.6E-09	3.8E+00	7.5E-04	1.0E-03	3.0E-06	1.6E-01	5.5E-03	2.6E-09
586	0.00	3.0E-09	4.5E+00	7.5E-04	1.0E-03	3.5E-06	1.6E-01	5.5E-03	3.0E-09
587	0.00	3.6E-09	5.4E+00	7.5E-04	1.0E-03	4.2E-06	1.6E-01	5.5E-03	3.6E-09
588	0.00	4.4E-09	6.5E+00	7.5E-04	1.0E-03	5.1E-06	1.6E-01	5.5E-03	4.4E-09
589	0.03	3.0E-08	4.4E+01	7.5E-04	1.0E-03	3.5E-05	1.6E-01	5.5E-03	3.0E-08
590	0.02	2.4E-08	3.5E+01	7.5E-04	1.0E-03	2.8E-05	1.6E-01	5.5E-03	2.4E-08
591	0.02	1.9E-08	2.8E+01	7.5E-04	1.0E-03	2.2E-05	1.6E-01	5.5E-03	1.9E-08

592	0.01	1.5E-08	2.2E+01	7.5E-04	1.0E-03	1.7E-05	1.6E-01	5.5E-03	1.5E-08
593	0.01	1.2E-08	1.8E+01	7.5E-04	1.0E-03	1.4E-05	1.6E-01	5.5E-03	1.2E-08
594	0.01	9.7E-09	1.4E+01	7.5E-04	1.0E-03	1.1E-05	1.6E-01	5.5E-03	9.7E-09
595	0.01	7.9E-09	1.2E+01	7.5E-04	1.0E-03	9.2E-06	1.6E-01	5.5E-03	7.9E-09
596	0.00	2.2E-09	3.2E+00	7.5E-04	1.0E-03	2.5E-06	1.6E-01	5.5E-03	2.2E-09
597	0.00	2.5E-09	3.8E+00	7.5E-04	1.0E-03	2.9E-06	1.6E-01	5.5E-03	2.5E-09
598	0.00	3.0E-09	4.4E+00	7.5E-04	1.0E-03	3.5E-06	1.6E-01	5.5E-03	3.0E-09
599	0.00	3.6E-09	5.3E+00	7.5E-04	1.0E-03	4.1E-06	1.6E-01	5.5E-03	3.6E-09
600	0.00	4.3E-09	6.4E+00	7.5E-04	1.0E-03	5.0E-06	1.6E-01	5.5E-03	4.3E-09
601	0.03	2.5E-08	3.8E+01	7.5E-04	1.0E-03	2.9E-05	1.6E-01	5.5E-03	2.5E-08
602	0.02	1.9E-08	2.9E+01	7.5E-04	1.0E-03	2.3E-05	1.6E-01	5.5E-03	1.9E-08
603	0.02	1.5E-08	2.2E+01	7.5E-04	1.0E-03	1.7E-05	1.6E-01	5.5E-03	1.5E-08
604	0.01	1.2E-08	1.8E+01	7.5E-04	1.0E-03	1.4E-05	1.6E-01	5.5E-03	1.2E-08
605	0.01	9.8E-09	1.5E+01	7.5E-04	1.0E-03	1.1E-05	1.6E-01	5.5E-03	9.8E-09
606	0.01	8.0E-09	1.2E+01	7.5E-04	1.0E-03	9.3E-06	1.6E-01	5.5E-03	8.0E-09
607	0.00	2.1E-09	3.2E+00	7.5E-04	1.0E-03	2.5E-06	1.6E-01	5.5E-03	2.1E-09
608	0.00	2.5E-09	3.7E+00	7.5E-04	1.0E-03	2.9E-06	1.6E-01	5.5E-03	2.5E-09
609	0.00	2.9E-09	4.3E+00	7.5E-04	1.0E-03	3.4E-06	1.6E-01	5.5E-03	2.9E-09
610	0.00	3.5E-09	5.2E+00	7.5E-04	1.0E-03	4.0E-06	1.6E-01	5.5E-03	3.5E-09
611	0.00	4.2E-09	6.2E+00	7.5E-04	1.0E-03	4.9E-06	1.6E-01	5.5E-03	4.2E-09
612	0.03	2.6E-08	3.8E+01	7.5E-04	1.0E-03	3.0E-05	1.6E-01	5.5E-03	2.6E-08
613	0.02	1.9E-08	2.8E+01	7.5E-04	1.0E-03	2.2E-05	1.6E-01	5.5E-03	1.9E-08
614	0.01	1.5E-08	2.2E+01	7.5E-04	1.0E-03	1.7E-05	1.6E-01	5.5E-03	1.5E-08
615	0.01	1.2E-08	1.7E+01	7.5E-04	1.0E-03	1.4E-05	1.6E-01	5.5E-03	1.2E-08
616	0.01	9.4E-09	1.4E+01	7.5E-04	1.0E-03	1.1E-05	1.6E-01	5.5E-03	9.4E-09
617	0.01	7.7E-09	1.1E+01	7.5E-04	1.0E-03	8.9E-06	1.6E-01	5.5E-03	7.7E-09
618	0.00	2.1E-09	3.1E+00	7.5E-04	1.0E-03	2.4E-06	1.6E-01	5.5E-03	2.1E-09
619	0.00	2.4E-09	3.6E+00	7.5E-04	1.0E-03	2.8E-06	1.6E-01	5.5E-03	2.4E-09
620	0.00	2.8E-09	4.2E+00	7.5E-04	1.0E-03	3.3E-06	1.6E-01	5.5E-03	2.8E-09
621	0.00	3.4E-09	5.0E+00	7.5E-04	1.0E-03	3.9E-06	1.6E-01	5.5E-03	3.3E-09
622	0.00	4.0E-09	6.0E+00	7.5E-04	1.0E-03	4.7E-06	1.6E-01	5.5E-03	4.0E-09
623	0.02	2.4E-08	3.6E+01	7.5E-04	1.0E-03	2.8E-05	1.6E-01	5.5E-03	2.4E-08
624	0.02	1.8E-08	2.6E+01	7.5E-04	1.0E-03	2.1E-05	1.6E-01	5.5E-03	1.8E-08
625	0.01	1.4E-08	2.0E+01	7.5E-04	1.0E-03	1.6E-05	1.6E-01	5.5E-03	1.4E-08
626	0.01	1.1E-08	1.6E+01	7.5E-04	1.0E-03	1.3E-05	1.6E-01	5.5E-03	1.1E-08
627	0.01	8.9E-09	1.3E+01	7.5E-04	1.0E-03	1.0E-05	1.6E-01	5.5E-03	8.9E-09
628	0.01	7.3E-09	1.1E+01	7.5E-04	1.0E-03	8.5E-06	1.6E-01	5.5E-03	7.3E-09
629	0.00	2.0E-09	3.0E+00	7.5E-04	1.0E-03	2.4E-06	1.6E-01	5.5E-03	2.0E-09
630	0.00	2.3E-09	3.5E+00	7.5E-04	1.0E-03	2.7E-06	1.6E-01	5.5E-03	2.3E-09
631	0.00	2.7E-09	4.0E+00	7.5E-04	1.0E-03	3.2E-06	1.6E-01	5.5E-03	2.7E-09
632	0.00	3.2E-09	4.7E+00	7.5E-04	1.0E-03	3.7E-06	1.6E-01	5.5E-03	3.2E-09
633	0.00	3.8E-09	5.7E+00	7.5E-04	1.0E-03	4.5E-06	1.6E-01	5.5E-03	3.8E-09
634	0.02	2.1E-08	3.1E+01	7.5E-04	1.0E-03	2.4E-05	1.6E-01	5.5E-03	2.1E-08
635	0.02	1.6E-08	2.3E+01	7.5E-04	1.0E-03	1.8E-05	1.6E-01	5.5E-03	1.6E-08
636	0.01	1.2E-08	1.8E+01	7.5E-04	1.0E-03	1.4E-05	1.6E-01	5.5E-03	1.2E-08
637	0.01	9.9E-09	1.5E+01	7.5E-04	1.0E-03	1.2E-05	1.6E-01	5.5E-03	9.9E-09

638	0.01	8.2E-09	1.2E+01	7.5E-04	1.0E-03	9.5E-06	1.6E-01	5.5E-03	8.2E-09
639	0.01	6.9E-09	1.0E+01	7.5E-04	1.0E-03	8.0E-06	1.6E-01	5.5E-03	6.9E-09
640	0.00	2.0E-09	2.9E+00	7.5E-04	1.0E-03	2.3E-06	1.6E-01	5.5E-03	2.0E-09
641	0.00	2.2E-09	3.3E+00	7.5E-04	1.0E-03	2.6E-06	1.6E-01	5.5E-03	2.2E-09
642	0.00	2.6E-09	3.9E+00	7.5E-04	1.0E-03	3.0E-06	1.6E-01	5.5E-03	2.6E-09
643	0.00	3.1E-09	4.5E+00	7.5E-04	1.0E-03	3.5E-06	1.6E-01	5.5E-03	3.0E-09
644	0.00	3.6E-09	5.4E+00	7.5E-04	1.0E-03	4.2E-06	1.6E-01	5.5E-03	3.6E-09
645	0.02	1.7E-08	2.5E+01	7.5E-04	1.0E-03	2.0E-05	1.6E-01	5.5E-03	1.7E-08
646	0.01	1.3E-08	2.0E+01	7.5E-04	1.0E-03	1.5E-05	1.6E-01	5.5E-03	1.3E-08
647	0.01	1.1E-08	1.6E+01	7.5E-04	1.0E-03	1.2E-05	1.6E-01	5.5E-03	1.1E-08
648	0.01	8.9E-09	1.3E+01	7.5E-04	1.0E-03	1.0E-05	1.6E-01	5.5E-03	8.9E-09
649	0.01	7.5E-09	1.1E+01	7.5E-04	1.0E-03	8.7E-06	1.6E-01	5.5E-03	7.4E-09
650	0.01	6.3E-09	9.4E+00	7.5E-04	1.0E-03	7.4E-06	1.6E-01	5.5E-03	6.3E-09
651	0.00	1.9E-09	2.8E+00	7.5E-04	1.0E-03	2.2E-06	1.6E-01	5.5E-03	1.9E-09
652	0.00	2.2E-09	3.2E+00	7.5E-04	1.0E-03	2.5E-06	1.6E-01	5.5E-03	2.2E-09
653	0.00	2.5E-09	3.7E+00	7.5E-04	1.0E-03	2.9E-06	1.6E-01	5.5E-03	2.5E-09
654	0.00	2.9E-09	4.3E+00	7.5E-04	1.0E-03	3.4E-06	1.6E-01	5.5E-03	2.9E-09
655	0.00	3.4E-09	5.1E+00	7.5E-04	1.0E-03	4.0E-06	1.6E-01	5.5E-03	3.4E-09
656	0.00	4.1E-09	6.0E+00	7.5E-04	1.0E-03	4.7E-06	1.6E-01	5.5E-03	4.1E-09
657	0.00	4.9E-09	7.3E+00	7.5E-04	1.0E-03	5.7E-06	1.6E-01	5.5E-03	4.9E-09
658	0.01	6.1E-09	9.1E+00	7.5E-04	1.0E-03	7.1E-06	1.6E-01	5.5E-03	6.1E-09
659	0.01	7.8E-09	1.2E+01	7.5E-04	1.0E-03	9.0E-06	1.6E-01	5.5E-03	7.8E-09
660	0.01	1.0E-08	1.5E+01	7.5E-04	1.0E-03	1.2E-05	1.6E-01	5.5E-03	1.0E-08
661	0.01	1.3E-08	1.9E+01	7.5E-04	1.0E-03	1.5E-05	1.6E-01	5.5E-03	1.3E-08
662	0.02	1.6E-08	2.4E+01	7.5E-04	1.0E-03	1.9E-05	1.6E-01	5.5E-03	1.6E-08
663	0.02	1.9E-08	2.9E+01	7.5E-04	1.0E-03	2.3E-05	1.6E-01	5.5E-03	1.9E-08
664	0.02	2.2E-08	3.2E+01	7.5E-04	1.0E-03	2.5E-05	1.6E-01	5.5E-03	2.2E-08
665	0.02	2.3E-08	3.4E+01	7.5E-04	1.0E-03	2.7E-05	1.6E-01	5.5E-03	2.3E-08
666	0.02	2.3E-08	3.5E+01	7.5E-04	1.0E-03	2.7E-05	1.6E-01	5.5E-03	2.3E-08
667	0.02	2.3E-08	3.4E+01	7.5E-04	1.0E-03	2.7E-05	1.6E-01	5.5E-03	2.3E-08
668	0.02	2.2E-08	3.2E+01	7.5E-04	1.0E-03	2.5E-05	1.6E-01	5.5E-03	2.2E-08
669	0.02	1.9E-08	2.9E+01	7.5E-04	1.0E-03	2.2E-05	1.6E-01	5.5E-03	1.9E-08
670	0.02	1.6E-08	2.4E+01	7.5E-04	1.0E-03	1.9E-05	1.6E-01	5.5E-03	1.6E-08
671	0.01	1.3E-08	2.0E+01	7.5E-04	1.0E-03	1.5E-05	1.6E-01	5.5E-03	1.3E-08
672	0.01	1.1E-08	1.6E+01	7.5E-04	1.0E-03	1.3E-05	1.6E-01	5.5E-03	1.1E-08
673	0.01	9.2E-09	1.4E+01	7.5E-04	1.0E-03	1.1E-05	1.6E-01	5.5E-03	9.2E-09
674	0.01	7.8E-09	1.2E+01	7.5E-04	1.0E-03	9.1E-06	1.6E-01	5.5E-03	7.8E-09
675	0.01	6.7E-09	9.9E+00	7.5E-04	1.0E-03	7.8E-06	1.6E-01	5.5E-03	6.7E-09
676	0.01	5.8E-09	8.6E+00	7.5E-04	1.0E-03	6.7E-06	1.6E-01	5.5E-03	5.8E-09
677	0.00	1.8E-09	2.7E+00	7.5E-04	1.0E-03	2.1E-06	1.6E-01	5.5E-03	1.8E-09
678	0.00	2.0E-09	3.0E+00	7.5E-04	1.0E-03	2.4E-06	1.6E-01	5.5E-03	2.0E-09
679	0.00	2.3E-09	3.5E+00	7.5E-04	1.0E-03	2.7E-06	1.6E-01	5.5E-03	2.3E-09
680	0.00	2.7E-09	4.0E+00	7.5E-04	1.0E-03	3.1E-06	1.6E-01	5.5E-03	2.7E-09
681	0.00	3.1E-09	4.7E+00	7.5E-04	1.0E-03	3.6E-06	1.6E-01	5.5E-03	3.1E-09
682	0.00	3.7E-09	5.5E+00	7.5E-04	1.0E-03	4.3E-06	1.6E-01	5.5E-03	3.7E-09
683	0.00	4.4E-09	6.5E+00	7.5E-04	1.0E-03	5.1E-06	1.6E-01	5.5E-03	4.4E-09

684	0.01	5.4E-09	8.0E+00	7.5E-04	1.0E-03	6.2E-06	1.6E-01	5.5E-03	5.4E-09
685	0.01	6.6E-09	9.8E+00	7.5E-04	1.0E-03	7.7E-06	1.6E-01	5.5E-03	6.6E-09
686	0.01	8.2E-09	1.2E+01	7.5E-04	1.0E-03	9.5E-06	1.6E-01	5.5E-03	8.2E-09
687	0.01	1.0E-08	1.5E+01	7.5E-04	1.0E-03	1.2E-05	1.6E-01	5.5E-03	1.0E-08
688	0.01	1.2E-08	1.8E+01	7.5E-04	1.0E-03	1.4E-05	1.6E-01	5.5E-03	1.2E-08
689	0.01	1.4E-08	2.1E+01	7.5E-04	1.0E-03	1.6E-05	1.6E-01	5.5E-03	1.4E-08
690	0.02	1.5E-08	2.3E+01	7.5E-04	1.0E-03	1.8E-05	1.6E-01	5.5E-03	1.5E-08
691	0.02	1.6E-08	2.4E+01	7.5E-04	1.0E-03	1.9E-05	1.6E-01	5.5E-03	1.6E-08
692	0.02	1.7E-08	2.5E+01	7.5E-04	1.0E-03	1.9E-05	1.6E-01	5.5E-03	1.7E-08
693	0.02	1.6E-08	2.4E+01	7.5E-04	1.0E-03	1.9E-05	1.6E-01	5.5E-03	1.6E-08
694	0.02	1.5E-08	2.3E+01	7.5E-04	1.0E-03	1.8E-05	1.6E-01	5.5E-03	1.5E-08
695	0.01	1.4E-08	2.1E+01	7.5E-04	1.0E-03	1.6E-05	1.6E-01	5.5E-03	1.4E-08
696	0.01	1.2E-08	1.9E+01	7.5E-04	1.0E-03	1.4E-05	1.6E-01	5.5E-03	1.2E-08
697	0.01	1.1E-08	1.6E+01	7.5E-04	1.0E-03	1.2E-05	1.6E-01	5.5E-03	1.1E-08
698	0.01	9.3E-09	1.4E+01	7.5E-04	1.0E-03	1.1E-05	1.6E-01	5.5E-03	9.3E-09
699	0.01	8.0E-09	1.2E+01	7.5E-04	1.0E-03	9.2E-06	1.6E-01	5.5E-03	8.0E-09
700	0.01	6.9E-09	1.0E+01	7.5E-04	1.0E-03	8.0E-06	1.6E-01	5.5E-03	6.9E-09
701	0.01	6.0E-09	8.9E+00	7.5E-04	1.0E-03	6.9E-06	1.6E-01	5.5E-03	6.0E-09
702	0.01	5.2E-09	7.8E+00	7.5E-04	1.0E-03	6.1E-06	1.6E-01	5.5E-03	5.2E-09
703	0.00	1.7E-09	2.5E+00	7.5E-04	1.0E-03	2.0E-06	1.6E-01	5.5E-03	1.7E-09
704	0.00	1.9E-09	2.9E+00	7.5E-04	1.0E-03	2.2E-06	1.6E-01	5.5E-03	1.9E-09
705	0.00	2.2E-09	3.2E+00	7.5E-04	1.0E-03	2.5E-06	1.6E-01	5.5E-03	2.2E-09
706	0.00	2.5E-09	3.7E+00	7.5E-04	1.0E-03	2.9E-06	1.6E-01	5.5E-03	2.5E-09
707	0.00	2.9E-09	4.3E+00	7.5E-04	1.0E-03	3.3E-06	1.6E-01	5.5E-03	2.9E-09
708	0.00	3.4E-09	5.0E+00	7.5E-04	1.0E-03	3.9E-06	1.6E-01	5.5E-03	3.4E-09
709	0.00	4.0E-09	5.9E+00	7.5E-04	1.0E-03	4.6E-06	1.6E-01	5.5E-03	4.0E-09
710	0.00	4.8E-09	7.1E+00	7.5E-04	1.0E-03	5.5E-06	1.6E-01	5.5E-03	4.8E-09
711	0.01	5.7E-09	8.4E+00	7.5E-04	1.0E-03	6.6E-06	1.6E-01	5.5E-03	5.7E-09
712	0.01	6.8E-09	1.0E+01	7.5E-04	1.0E-03	7.9E-06	1.6E-01	5.5E-03	6.8E-09
713	0.01	8.0E-09	1.2E+01	7.5E-04	1.0E-03	9.3E-06	1.6E-01	5.5E-03	8.0E-09
714	0.01	9.3E-09	1.4E+01	7.5E-04	1.0E-03	1.1E-05	1.6E-01	5.5E-03	9.3E-09
715	0.01	1.1E-08	1.6E+01	7.5E-04	1.0E-03	1.2E-05	1.6E-01	5.5E-03	1.0E-08
716	0.01	1.1E-08	1.7E+01	7.5E-04	1.0E-03	1.3E-05	1.6E-01	5.5E-03	1.1E-08
717	0.01	1.2E-08	1.8E+01	7.5E-04	1.0E-03	1.4E-05	1.6E-01	5.5E-03	1.2E-08
718	0.01	1.2E-08	1.8E+01	7.5E-04	1.0E-03	1.4E-05	1.6E-01	5.5E-03	1.2E-08
719	0.01	1.2E-08	1.8E+01	7.5E-04	1.0E-03	1.4E-05	1.6E-01	5.5E-03	1.2E-08
720	0.01	1.2E-08	1.7E+01	7.5E-04	1.0E-03	1.4E-05	1.6E-01	5.5E-03	1.2E-08
721	0.01	1.1E-08	1.6E+01	7.5E-04	1.0E-03	1.3E-05	1.6E-01	5.5E-03	1.1E-08
722	0.01	9.9E-09	1.5E+01	7.5E-04	1.0E-03	1.2E-05	1.6E-01	5.5E-03	9.9E-09
723	0.01	8.8E-09	1.3E+01	7.5E-04	1.0E-03	1.0E-05	1.6E-01	5.5E-03	8.8E-09
724	0.01	7.8E-09	1.2E+01	7.5E-04	1.0E-03	9.1E-06	1.6E-01	5.5E-03	7.8E-09
725	0.01	6.9E-09	1.0E+01	7.5E-04	1.0E-03	8.0E-06	1.6E-01	5.5E-03	6.9E-09
726	0.01	6.1E-09	9.0E+00	7.5E-04	1.0E-03	7.0E-06	1.6E-01	5.5E-03	6.1E-09
727	0.01	5.3E-09	7.9E+00	7.5E-04	1.0E-03	6.2E-06	1.6E-01	5.5E-03	5.3E-09
728	0.00	4.7E-09	7.0E+00	7.5E-04	1.0E-03	5.5E-06	1.6E-01	5.5E-03	4.7E-09
729	0.00	1.6E-09	2.4E+00	7.5E-04	1.0E-03	1.9E-06	1.6E-01	5.5E-03	1.6E-09

730	0.00	1.8E-09	2.7E+00	7.5E-04	1.0E-03	2.1E-06	1.6E-01	5.5E-03	1.8E-09
731	0.00	2.0E-09	3.0E+00	7.5E-04	1.0E-03	2.4E-06	1.6E-01	5.5E-03	2.0E-09
732	0.00	2.3E-09	3.5E+00	7.5E-04	1.0E-03	2.7E-06	1.6E-01	5.5E-03	2.3E-09
733	0.00	2.7E-09	3.9E+00	7.5E-04	1.0E-03	3.1E-06	1.6E-01	5.5E-03	2.7E-09
734	0.00	3.1E-09	4.6E+00	7.5E-04	1.0E-03	3.6E-06	1.6E-01	5.5E-03	3.1E-09
735	0.00	3.6E-09	5.3E+00	7.5E-04	1.0E-03	4.1E-06	1.6E-01	5.5E-03	3.6E-09
736	0.00	4.2E-09	6.2E+00	7.5E-04	1.0E-03	4.9E-06	1.6E-01	5.5E-03	4.2E-09
737	0.00	4.8E-09	7.2E+00	7.5E-04	1.0E-03	5.6E-06	1.6E-01	5.5E-03	4.8E-09
738	0.01	5.7E-09	8.4E+00	7.5E-04	1.0E-03	6.6E-06	1.6E-01	5.5E-03	5.7E-09
739	0.01	6.5E-09	9.6E+00	7.5E-04	1.0E-03	7.5E-06	1.6E-01	5.5E-03	6.5E-09
740	0.01	7.4E-09	1.1E+01	7.5E-04	1.0E-03	8.6E-06	1.6E-01	5.5E-03	7.4E-09
741	0.01	8.2E-09	1.2E+01	7.5E-04	1.0E-03	9.5E-06	1.6E-01	5.5E-03	8.2E-09
742	0.01	8.8E-09	1.3E+01	7.5E-04	1.0E-03	1.0E-05	1.6E-01	5.5E-03	8.8E-09
743	0.01	9.3E-09	1.4E+01	7.5E-04	1.0E-03	1.1E-05	1.6E-01	5.5E-03	9.3E-09
744	0.01	9.5E-09	1.4E+01	7.5E-04	1.0E-03	1.1E-05	1.6E-01	5.5E-03	9.5E-09
745	0.01	9.5E-09	1.4E+01	7.5E-04	1.0E-03	1.1E-05	1.6E-01	5.5E-03	9.5E-09
746	0.01	9.3E-09	1.4E+01	7.5E-04	1.0E-03	1.1E-05	1.6E-01	5.5E-03	9.3E-09
747	0.01	8.8E-09	1.3E+01	7.5E-04	1.0E-03	1.0E-05	1.6E-01	5.5E-03	8.8E-09
748	0.01	8.1E-09	1.2E+01	7.5E-04	1.0E-03	9.4E-06	1.6E-01	5.5E-03	8.1E-09
749	0.01	7.4E-09	1.1E+01	7.5E-04	1.0E-03	8.6E-06	1.6E-01	5.5E-03	7.4E-09
750	0.01	6.7E-09	9.9E+00	7.5E-04	1.0E-03	7.7E-06	1.6E-01	5.5E-03	6.7E-09
751	0.01	6.0E-09	8.9E+00	7.5E-04	1.0E-03	6.9E-06	1.6E-01	5.5E-03	6.0E-09
752	0.01	5.4E-09	7.9E+00	7.5E-04	1.0E-03	6.2E-06	1.6E-01	5.5E-03	5.4E-09
753	0.00	4.8E-09	7.1E+00	7.5E-04	1.0E-03	5.6E-06	1.6E-01	5.5E-03	4.8E-09
754	0.00	4.3E-09	6.4E+00	7.5E-04	1.0E-03	5.0E-06	1.6E-01	5.5E-03	4.3E-09
755	0.00	1.5E-09	2.3E+00	7.5E-04	1.0E-03	1.8E-06	1.6E-01	5.5E-03	1.5E-09
756	0.00	1.7E-09	2.5E+00	7.5E-04	1.0E-03	2.0E-06	1.6E-01	5.5E-03	1.7E-09
757	0.00	1.9E-09	2.8E+00	7.5E-04	1.0E-03	2.2E-06	1.6E-01	5.5E-03	1.9E-09
758	0.00	2.1E-09	3.2E+00	7.5E-04	1.0E-03	2.5E-06	1.6E-01	5.5E-03	2.1E-09
759	0.00	2.4E-09	3.6E+00	7.5E-04	1.0E-03	2.8E-06	1.6E-01	5.5E-03	2.4E-09
760	0.00	2.8E-09	4.1E+00	7.5E-04	1.0E-03	3.2E-06	1.6E-01	5.5E-03	2.8E-09
761	0.00	3.2E-09	4.7E+00	7.5E-04	1.0E-03	3.7E-06	1.6E-01	5.5E-03	3.2E-09
762	0.00	3.7E-09	5.5E+00	7.5E-04	1.0E-03	4.3E-06	1.6E-01	5.5E-03	3.7E-09
763	0.00	4.2E-09	6.2E+00	7.5E-04	1.0E-03	4.9E-06	1.6E-01	5.5E-03	4.2E-09
764	0.00	4.8E-09	7.1E+00	7.5E-04	1.0E-03	5.6E-06	1.6E-01	5.5E-03	4.8E-09
765	0.01	5.4E-09	8.0E+00	7.5E-04	1.0E-03	6.3E-06	1.6E-01	5.5E-03	5.4E-09
766	0.01	6.0E-09	8.9E+00	7.5E-04	1.0E-03	7.0E-06	1.6E-01	5.5E-03	6.0E-09
767	0.01	6.6E-09	9.8E+00	7.5E-04	1.0E-03	7.7E-06	1.6E-01	5.5E-03	6.6E-09
768	0.01	7.1E-09	1.0E+01	7.5E-04	1.0E-03	8.2E-06	1.6E-01	5.5E-03	7.1E-09
769	0.01	7.4E-09	1.1E+01	7.5E-04	1.0E-03	8.6E-06	1.6E-01	5.5E-03	7.4E-09
770	0.01	7.6E-09	1.1E+01	7.5E-04	1.0E-03	8.9E-06	1.6E-01	5.5E-03	7.6E-09
771	0.01	7.7E-09	1.1E+01	7.5E-04	1.0E-03	8.9E-06	1.6E-01	5.5E-03	7.7E-09
772	0.01	7.6E-09	1.1E+01	7.5E-04	1.0E-03	8.8E-06	1.6E-01	5.5E-03	7.6E-09
773	0.01	7.3E-09	1.1E+01	7.5E-04	1.0E-03	8.4E-06	1.6E-01	5.5E-03	7.3E-09
774	0.01	6.8E-09	1.0E+01	7.5E-04	1.0E-03	7.9E-06	1.6E-01	5.5E-03	6.8E-09
775	0.01	6.3E-09	9.3E+00	7.5E-04	1.0E-03	7.3E-06	1.6E-01	5.5E-03	6.3E-09

776	0.01	5.8E-09	8.5E+00	7.5E-04	1.0E-03	6.7E-06	1.6E-01	5.5E-03	5.7E-09
777	0.01	5.2E-09	7.8E+00	7.5E-04	1.0E-03	6.1E-06	1.6E-01	5.5E-03	5.2E-09
778	0.00	4.8E-09	7.1E+00	7.5E-04	1.0E-03	5.5E-06	1.6E-01	5.5E-03	4.8E-09
779	0.00	4.3E-09	6.4E+00	7.5E-04	1.0E-03	5.0E-06	1.6E-01	5.5E-03	4.3E-09
780	0.00	3.9E-09	5.8E+00	7.5E-04	1.0E-03	4.5E-06	1.6E-01	5.5E-03	3.9E-09
781	0.00	1.4E-09	2.1E+00	7.5E-04	1.0E-03	1.7E-06	1.6E-01	5.5E-03	1.4E-09
782	0.00	1.6E-09	2.4E+00	7.5E-04	1.0E-03	1.9E-06	1.6E-01	5.5E-03	1.6E-09
783	0.00	1.8E-09	2.6E+00	7.5E-04	1.0E-03	2.1E-06	1.6E-01	5.5E-03	1.8E-09
784	0.00	2.0E-09	3.0E+00	7.5E-04	1.0E-03	2.3E-06	1.6E-01	5.5E-03	2.0E-09
785	0.00	2.3E-09	3.3E+00	7.5E-04	1.0E-03	2.6E-06	1.6E-01	5.5E-03	2.2E-09
786	0.00	2.5E-09	3.8E+00	7.5E-04	1.0E-03	2.9E-06	1.6E-01	5.5E-03	2.5E-09
787	0.00	2.9E-09	4.3E+00	7.5E-04	1.0E-03	3.3E-06	1.6E-01	5.5E-03	2.9E-09
788	0.00	3.3E-09	4.8E+00	7.5E-04	1.0E-03	3.8E-06	1.6E-01	5.5E-03	3.3E-09
789	0.00	3.7E-09	5.4E+00	7.5E-04	1.0E-03	4.3E-06	1.6E-01	5.5E-03	3.7E-09
790	0.00	4.1E-09	6.1E+00	7.5E-04	1.0E-03	4.8E-06	1.6E-01	5.5E-03	4.1E-09
791	0.00	4.6E-09	6.8E+00	7.5E-04	1.0E-03	5.3E-06	1.6E-01	5.5E-03	4.6E-09
792	0.01	5.0E-09	7.5E+00	7.5E-04	1.0E-03	5.8E-06	1.6E-01	5.5E-03	5.0E-09
793	0.01	5.5E-09	8.1E+00	7.5E-04	1.0E-03	6.3E-06	1.6E-01	5.5E-03	5.5E-09
794	0.01	5.8E-09	8.6E+00	7.5E-04	1.0E-03	6.7E-06	1.6E-01	5.5E-03	5.8E-09
795	0.01	6.1E-09	9.0E+00	7.5E-04	1.0E-03	7.1E-06	1.6E-01	5.5E-03	6.1E-09
796	0.01	6.3E-09	9.3E+00	7.5E-04	1.0E-03	7.3E-06	1.6E-01	5.5E-03	6.3E-09
797	0.01	6.4E-09	9.4E+00	7.5E-04	1.0E-03	7.4E-06	1.6E-01	5.5E-03	6.3E-09
798	0.01	6.3E-09	9.3E+00	7.5E-04	1.0E-03	7.3E-06	1.6E-01	5.5E-03	6.3E-09
799	0.01	6.1E-09	9.0E+00	7.5E-04	1.0E-03	7.1E-06	1.6E-01	5.5E-03	6.1E-09
800	0.01	5.7E-09	8.5E+00	7.5E-04	1.0E-03	6.6E-06	1.6E-01	5.5E-03	5.7E-09
801	0.01	5.4E-09	8.0E+00	7.5E-04	1.0E-03	6.2E-06	1.6E-01	5.5E-03	5.4E-09
802	0.01	5.0E-09	7.4E+00	7.5E-04	1.0E-03	5.8E-06	1.6E-01	5.5E-03	5.0E-09
803	0.00	4.6E-09	6.9E+00	7.5E-04	1.0E-03	5.4E-06	1.6E-01	5.5E-03	4.6E-09
804	0.00	4.3E-09	6.3E+00	7.5E-04	1.0E-03	4.9E-06	1.6E-01	5.5E-03	4.3E-09
805	0.00	3.9E-09	5.8E+00	7.5E-04	1.0E-03	4.5E-06	1.6E-01	5.5E-03	3.9E-09
806	0.00	3.6E-09	5.3E+00	7.5E-04	1.0E-03	4.1E-06	1.6E-01	5.5E-03	3.6E-09

Franklin School Project

Risk From New Building Demo (Port. 2) - Mitigated Residential

Haul Route 1A							Haul Route 2A						
Conc	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
3.2E-01	1.9E-07	1.0E-03	6.4E-11	1.6E-01	5.5E-03	5.5E-14	3.4E-01	6.0E-07	1.0E-03	2.1E-10	1.6E-01	5.5E-03	1.8E-13
3.6E-01	1.9E-07	1.0E-03	7.2E-11	1.6E-01	5.5E-03	6.2E-14	3.9E-01	6.0E-07	1.0E-03	2.4E-10	1.6E-01	5.5E-03	2.1E-13
4.1E-01	1.9E-07	1.0E-03	8.2E-11	1.6E-01	5.5E-03	7.0E-14	4.5E-01	6.0E-07	1.0E-03	2.8E-10	1.6E-01	5.5E-03	2.4E-13
4.6E-01	1.9E-07	1.0E-03	9.2E-11	1.6E-01	5.5E-03	7.9E-14	5.2E-01	6.0E-07	1.0E-03	3.2E-10	1.6E-01	5.5E-03	2.8E-13
5.1E-01	1.9E-07	1.0E-03	1.0E-10	1.6E-01	5.5E-03	8.7E-14	5.8E-01	6.0E-07	1.0E-03	3.7E-10	1.6E-01	5.5E-03	3.1E-13
5.5E-01	1.9E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.5E-14	6.5E-01	6.0E-07	1.0E-03	4.1E-10	1.6E-01	5.5E-03	3.5E-13
6.0E-01	1.9E-07	1.0E-03	1.2E-10	1.6E-01	5.5E-03	1.0E-13	7.1E-01	6.0E-07	1.0E-03	4.4E-10	1.6E-01	5.5E-03	3.8E-13
6.4E-01	1.9E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-03	1.1E-13	7.7E-01	6.0E-07	1.0E-03	4.8E-10	1.6E-01	5.5E-03	4.2E-13
6.9E-01	1.9E-07	1.0E-03	1.4E-10	1.6E-01	5.5E-03	1.2E-13	8.4E-01	6.0E-07	1.0E-03	5.3E-10	1.6E-01	5.5E-03	4.5E-13
7.5E-01	1.9E-07	1.0E-03	1.5E-10	1.6E-01	5.5E-03	1.3E-13	9.2E-01	6.0E-07	1.0E-03	5.8E-10	1.6E-01	5.5E-03	5.0E-13
8.0E-01	1.9E-07	1.0E-03	1.6E-10	1.6E-01	5.5E-03	1.4E-13	9.9E-01	6.0E-07	1.0E-03	6.2E-10	1.6E-01	5.5E-03	5.4E-13
8.4E-01	1.9E-07	1.0E-03	1.7E-10	1.6E-01	5.5E-03	1.4E-13	1.0E+00	6.0E-07	1.0E-03	6.5E-10	1.6E-01	5.5E-03	5.6E-13
8.5E-01	1.9E-07	1.0E-03	1.7E-10	1.6E-01	5.5E-03	1.5E-13	1.0E+00	6.0E-07	1.0E-03	6.5E-10	1.6E-01	5.5E-03	5.6E-13
8.3E-01	1.9E-07	1.0E-03	1.7E-10	1.6E-01	5.5E-03	1.4E-13	1.0E+00	6.0E-07	1.0E-03	6.3E-10	1.6E-01	5.5E-03	5.5E-13
7.9E-01	1.9E-07	1.0E-03	1.6E-10	1.6E-01	5.5E-03	1.4E-13	9.5E-01	6.0E-07	1.0E-03	6.0E-10	1.6E-01	5.5E-03	5.1E-13
7.4E-01	1.9E-07	1.0E-03	1.5E-10	1.6E-01	5.5E-03	1.3E-13	8.8E-01	6.0E-07	1.0E-03	5.5E-10	1.6E-01	5.5E-03	4.7E-13
3.8E-01	1.9E-07	1.0E-03	7.5E-11	1.6E-01	5.5E-03	6.4E-14	3.9E-01	6.0E-07	1.0E-03	2.5E-10	1.6E-01	5.5E-03	2.1E-13
4.4E-01	1.9E-07	1.0E-03	8.7E-11	1.6E-01	5.5E-03	7.5E-14	4.7E-01	6.0E-07	1.0E-03	2.9E-10	1.6E-01	5.5E-03	2.5E-13
5.1E-01	1.9E-07	1.0E-03	1.0E-10	1.6E-01	5.5E-03	8.7E-14	5.5E-01	6.0E-07	1.0E-03	3.5E-10	1.6E-01	5.5E-03	3.0E-13
5.8E-01	1.9E-07	1.0E-03	1.2E-10	1.6E-01	5.5E-03	1.0E-13	6.5E-01	6.0E-07	1.0E-03	4.1E-10	1.6E-01	5.5E-03	3.5E-13
6.6E-01	1.9E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-03	1.1E-13	7.6E-01	6.0E-07	1.0E-03	4.8E-10	1.6E-01	5.5E-03	4.1E-13
7.3E-01	1.9E-07	1.0E-03	1.4E-10	1.6E-01	5.5E-03	1.2E-13	8.7E-01	6.0E-07	1.0E-03	5.5E-10	1.6E-01	5.5E-03	4.7E-13
8.0E-01	1.9E-07	1.0E-03	1.6E-10	1.6E-01	5.5E-03	1.4E-13	9.7E-01	6.0E-07	1.0E-03	6.1E-10	1.6E-01	5.5E-03	5.3E-13
8.7E-01	1.9E-07	1.0E-03	1.7E-10	1.6E-01	5.5E-03	1.5E-13	1.1E+00	6.0E-07	1.0E-03	6.8E-10	1.6E-01	5.5E-03	5.9E-13
9.6E-01	1.9E-07	1.0E-03	1.9E-10	1.6E-01	5.5E-03	1.6E-13	1.2E+00	6.0E-07	1.0E-03	7.6E-10	1.6E-01	5.5E-03	6.5E-13
1.1E+00	1.9E-07	1.0E-03	2.1E-10	1.6E-01	5.5E-03	1.8E-13	1.3E+00	6.0E-07	1.0E-03	8.4E-10	1.6E-01	5.5E-03	7.2E-13
1.1E+00	1.9E-07	1.0E-03	2.2E-10	1.6E-01	5.5E-03	1.9E-13	1.4E+00	6.0E-07	1.0E-03	8.9E-10	1.6E-01	5.5E-03	7.7E-13
1.1E+00	1.9E-07	1.0E-03	2.2E-10	1.6E-01	5.5E-03	1.9E-13	1.4E+00	6.0E-07	1.0E-03	9.0E-10	1.6E-01	5.5E-03	7.7E-13
1.1E+00	1.9E-07	1.0E-03	2.2E-10	1.6E-01	5.5E-03	1.9E-13	1.4E+00	6.0E-07	1.0E-03	8.7E-10	1.6E-01	5.5E-03	7.5E-13
1.0E+00	1.9E-07	1.0E-03	2.1E-10	1.6E-01	5.5E-03	1.8E-13	1.3E+00	6.0E-07	1.0E-03	8.0E-10	1.6E-01	5.5E-03	6.9E-13
9.6E-01	1.9E-07	1.0E-03	1.9E-10	1.6E-01	5.5E-03	1.6E-13	1.2E+00	6.0E-07	1.0E-03	7.2E-10	1.6E-01	5.5E-03	6.2E-13
8.7E-01	1.9E-07	1.0E-03	1.7E-10	1.6E-01	5.5E-03	1.5E-13	1.0E+00	6.0E-07	1.0E-03	6.4E-10	1.6E-01	5.5E-03	5.5E-13
4.4E-01	1.9E-07	1.0E-03	8.8E-11	1.6E-01	5.5E-03	7.5E-14	4.5E-01	6.0E-07	1.0E-03	2.9E-10	1.6E-01	5.5E-03	2.5E-13
5.3E-01	1.9E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.0E-14	5.6E-01	6.0E-07	1.0E-03	3.5E-10	1.6E-01	5.5E-03	3.0E-13
6.3E-01	1.9E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-03	1.1E-13	6.9E-01	6.0E-07	1.0E-03	4.3E-10	1.6E-01	5.5E-03	3.7E-13
7.6E-01	1.9E-07	1.0E-03	1.5E-10	1.6E-01	5.5E-03	1.3E-13	8.5E-01	6.0E-07	1.0E-03	5.3E-10	1.6E-01	5.5E-03	4.6E-13
8.9E-01	1.9E-07	1.0E-03	1.8E-10	1.6E-01	5.5E-03	1.5E-13	1.0E+00	6.0E-07	1.0E-03	6.5E-10	1.6E-01	5.5E-03	5.6E-13
1.0E+00	1.9E-07	1.0E-03	2.0E-10	1.6E-01	5.5E-03	1.7E-13	1.2E+00	6.0E-07	1.0E-03	7.8E-10	1.6E-01	5.5E-03	6.7E-13
1.1E+00	1.9E-07	1.0E-03	2.3E-10	1.6E-01	5.5E-03	1.9E-13	1.4E+00	6.0E-07	1.0E-03	9.0E-10	1.6E-01	5.5E-03	7.8E-13

1.3E+00	1.9E-07	1.0E-03	2.5E-10	1.6E-01	5.5E-03	2.2E-13	1.6E+00	6.0E-07	1.0E-03	1.0E-09	1.6E-01	5.5E-03	8.9E-13
1.4E+00	1.9E-07	1.0E-03	2.8E-10	1.6E-01	5.5E-03	2.4E-13	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.0E-12
1.5E+00	1.9E-07	1.0E-03	3.1E-10	1.6E-01	5.5E-03	2.6E-13	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12
1.6E+00	1.9E-07	1.0E-03	3.1E-10	1.6E-01	5.5E-03	2.7E-13	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12
1.5E+00	1.9E-07	1.0E-03	3.1E-10	1.6E-01	5.5E-03	2.6E-13	2.0E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12
1.4E+00	1.9E-07	1.0E-03	2.8E-10	1.6E-01	5.5E-03	2.4E-13	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.7E-13
1.3E+00	1.9E-07	1.0E-03	2.5E-10	1.6E-01	5.5E-03	2.2E-13	1.6E+00	6.0E-07	1.0E-03	9.9E-10	1.6E-01	5.5E-03	8.5E-13
1.1E+00	1.9E-07	1.0E-03	2.2E-10	1.6E-01	5.5E-03	1.9E-13	1.3E+00	6.0E-07	1.0E-03	8.4E-10	1.6E-01	5.5E-03	7.3E-13
9.8E-01	1.9E-07	1.0E-03	1.9E-10	1.6E-01	5.5E-03	1.7E-13	1.1E+00	6.0E-07	1.0E-03	7.1E-10	1.6E-01	5.5E-03	6.2E-13
5.2E-01	1.9E-07	1.0E-03	1.0E-10	1.6E-01	5.5E-03	8.9E-14	5.2E-01	6.0E-07	1.0E-03	3.3E-10	1.6E-01	5.5E-03	2.8E-13
6.4E-01	1.9E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-03	1.1E-13	6.6E-01	6.0E-07	1.0E-03	4.2E-10	1.6E-01	5.5E-03	3.6E-13
8.1E-01	1.9E-07	1.0E-03	1.6E-10	1.6E-01	5.5E-03	1.4E-13	8.6E-01	6.0E-07	1.0E-03	5.4E-10	1.6E-01	5.5E-03	4.6E-13
1.0E+00	1.9E-07	1.0E-03	2.0E-10	1.6E-01	5.5E-03	1.7E-13	1.1E+00	6.0E-07	1.0E-03	7.1E-10	1.6E-01	5.5E-03	6.1E-13
1.3E+00	1.9E-07	1.0E-03	2.5E-10	1.6E-01	5.5E-03	2.1E-13	1.5E+00	6.0E-07	1.0E-03	9.3E-10	1.6E-01	5.5E-03	8.0E-13
1.5E+00	1.9E-07	1.0E-03	3.0E-10	1.6E-01	5.5E-03	2.6E-13	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.0E-12
1.7E+00	1.9E-07	1.0E-03	3.5E-10	1.6E-01	5.5E-03	3.0E-13	2.3E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12
2.0E+00	1.9E-07	1.0E-03	4.0E-10	1.6E-01	5.5E-03	3.4E-13	2.8E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	5.5E-03	1.5E-12
2.3E+00	1.9E-07	1.0E-03	4.5E-10	1.6E-01	5.5E-03	3.9E-13	3.2E+00	6.0E-07	1.0E-03	2.0E-09	1.6E-01	5.5E-03	1.7E-12
2.4E+00	1.9E-07	1.0E-03	4.7E-10	1.6E-01	5.5E-03	4.1E-13	3.4E+00	6.0E-07	1.0E-03	2.1E-09	1.6E-01	5.5E-03	1.8E-12
2.3E+00	1.9E-07	1.0E-03	4.5E-10	1.6E-01	5.5E-03	3.9E-13	3.1E+00	6.0E-07	1.0E-03	2.0E-09	1.6E-01	5.5E-03	1.7E-12
2.1E+00	1.9E-07	1.0E-03	4.1E-10	1.6E-01	5.5E-03	3.5E-13	2.7E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	5.5E-03	1.5E-12
1.8E+00	1.9E-07	1.0E-03	3.5E-10	1.6E-01	5.5E-03	3.1E-13	2.3E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12
1.5E+00	1.9E-07	1.0E-03	3.0E-10	1.6E-01	5.5E-03	2.6E-13	1.8E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	9.9E-13
1.3E+00	1.9E-07	1.0E-03	2.5E-10	1.6E-01	5.5E-03	2.2E-13	1.5E+00	6.0E-07	1.0E-03	9.4E-10	1.6E-01	5.5E-03	8.1E-13
1.1E+00	1.9E-07	1.0E-03	2.1E-10	1.6E-01	5.5E-03	1.8E-13	1.2E+00	6.0E-07	1.0E-03	7.6E-10	1.6E-01	5.5E-03	6.6E-13
6.0E-01	1.9E-07	1.0E-03	1.2E-10	1.6E-01	5.5E-03	1.0E-13	5.9E-01	6.0E-07	1.0E-03	3.7E-10	1.6E-01	5.5E-03	3.2E-13
7.8E-01	1.9E-07	1.0E-03	1.5E-10	1.6E-01	5.5E-03	1.3E-13	7.8E-01	6.0E-07	1.0E-03	4.9E-10	1.6E-01	5.5E-03	4.2E-13
1.0E+00	1.9E-07	1.0E-03	2.1E-10	1.6E-01	5.5E-03	1.8E-13	1.1E+00	6.0E-07	1.0E-03	6.7E-10	1.6E-01	5.5E-03	5.8E-13
1.4E+00	1.9E-07	1.0E-03	2.8E-10	1.6E-01	5.5E-03	2.4E-13	1.5E+00	6.0E-07	1.0E-03	9.6E-10	1.6E-01	5.5E-03	8.2E-13
1.9E+00	1.9E-07	1.0E-03	3.8E-10	1.6E-01	5.5E-03	3.2E-13	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12
2.5E+00	1.9E-07	1.0E-03	4.9E-10	1.6E-01	5.5E-03	4.2E-13	3.3E+00	6.0E-07	1.0E-03	2.1E-09	1.6E-01	5.5E-03	1.8E-12
3.0E+00	1.9E-07	1.0E-03	6.1E-10	1.6E-01	5.5E-03	5.2E-13	4.5E+00	6.0E-07	1.0E-03	2.8E-09	1.6E-01	5.5E-03	2.4E-12
3.6E+00	1.9E-07	1.0E-03	7.3E-10	1.6E-01	5.5E-03	6.2E-13	5.6E+00	6.0E-07	1.0E-03	3.5E-09	1.6E-01	5.5E-03	3.0E-12
3.9E+00	1.9E-07	1.0E-03	7.8E-10	1.6E-01	5.5E-03	6.8E-13	6.2E+00	6.0E-07	1.0E-03	3.9E-09	1.6E-01	5.5E-03	3.3E-12
3.7E+00	1.9E-07	1.0E-03	7.4E-10	1.6E-01	5.5E-03	6.4E-13	5.6E+00	6.0E-07	1.0E-03	3.5E-09	1.6E-01	5.5E-03	3.0E-12
3.2E+00	1.9E-07	1.0E-03	6.4E-10	1.6E-01	5.5E-03	5.5E-13	4.5E+00	6.0E-07	1.0E-03	2.8E-09	1.6E-01	5.5E-03	2.4E-12
2.6E+00	1.9E-07	1.0E-03	5.2E-10	1.6E-01	5.5E-03	4.5E-13	3.4E+00	6.0E-07	1.0E-03	2.2E-09	1.6E-01	5.5E-03	1.9E-12
2.1E+00	1.9E-07	1.0E-03	4.2E-10	1.6E-01	5.5E-03	3.6E-13	2.6E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	5.5E-03	1.4E-12
1.7E+00	1.9E-07	1.0E-03	3.4E-10	1.6E-01	5.5E-03	2.9E-13	2.0E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12
1.4E+00	1.9E-07	1.0E-03	2.7E-10	1.6E-01	5.5E-03	2.3E-13	1.5E+00	6.0E-07	1.0E-03	9.7E-10	1.6E-01	5.5E-03	8.4E-13
1.1E+00	1.9E-07	1.0E-03	2.2E-10	1.6E-01	5.5E-03	1.9E-13	1.2E+00	6.0E-07	1.0E-03	7.7E-10	1.6E-01	5.5E-03	6.6E-13
6.8E-01	1.9E-07	1.0E-03	1.4E-10	1.6E-01	5.5E-03	1.2E-13	6.5E-01	6.0E-07	1.0E-03	4.1E-10	1.6E-01	5.5E-03	3.5E-13
9.3E-01	1.9E-07	1.0E-03	1.8E-10	1.6E-01	5.5E-03	1.6E-13	8.8E-01	6.0E-07	1.0E-03	5.5E-10	1.6E-01	5.5E-03	4.8E-13
1.3E+00	1.9E-07	1.0E-03	2.6E-10	1.6E-01	5.5E-03	2.3E-13	1.3E+00	6.0E-07	1.0E-03	8.1E-10	1.6E-01	5.5E-03	6.9E-13
2.0E+00	1.9E-07	1.0E-03	3.9E-10	1.6E-01	5.5E-03	3.4E-13	2.0E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12
3.1E+00	1.9E-07	1.0E-03	6.1E-10	1.6E-01	5.5E-03	5.3E-13	3.5E+00	6.0E-07	1.0E-03	2.2E-09	1.6E-01	5.5E-03	1.9E-12

4.8E+00	1.9E-07	1.0E-03	9.5E-10	1.6E-01	5.5E-03	8.1E-13	6.5E+00	6.0E-07	1.0E-03	4.1E-09	1.6E-01	5.5E-03	3.5E-12
6.6E+00	1.9E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12	1.1E+01	6.0E-07	1.0E-03	7.1E-09	1.6E-01	5.5E-03	6.1E-12
7.9E+00	1.9E-07	1.0E-03	1.6E-09	1.6E-01	5.5E-03	1.4E-12	1.5E+01	6.0E-07	1.0E-03	9.4E-09	1.6E-01	5.5E-03	8.1E-12
7.2E+00	1.9E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12	1.3E+01	6.0E-07	1.0E-03	8.1E-09	1.6E-01	5.5E-03	7.0E-12
5.6E+00	1.9E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.6E-13	8.7E+00	6.0E-07	1.0E-03	5.5E-09	1.6E-01	5.5E-03	4.7E-12
4.2E+00	1.9E-07	1.0E-03	8.3E-10	1.6E-01	5.5E-03	7.1E-13	5.7E+00	6.0E-07	1.0E-03	3.6E-09	1.6E-01	5.5E-03	3.1E-12
3.1E+00	1.9E-07	1.0E-03	6.1E-10	1.6E-01	5.5E-03	5.3E-13	3.9E+00	6.0E-07	1.0E-03	2.4E-09	1.6E-01	5.5E-03	2.1E-12
2.3E+00	1.9E-07	1.0E-03	4.6E-10	1.6E-01	5.5E-03	3.9E-13	2.7E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	5.5E-03	1.5E-12
1.8E+00	1.9E-07	1.0E-03	3.5E-10	1.6E-01	5.5E-03	3.0E-13	2.0E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.1E-12
1.4E+00	1.9E-07	1.0E-03	2.7E-10	1.6E-01	5.5E-03	2.3E-13	1.5E+00	6.0E-07	1.0E-03	9.4E-10	1.6E-01	5.5E-03	8.1E-13
1.1E+00	1.9E-07	1.0E-03	2.1E-10	1.6E-01	5.5E-03	1.8E-13	1.2E+00	6.0E-07	1.0E-03	7.2E-10	1.6E-01	5.5E-03	6.2E-13
7.5E-01	1.9E-07	1.0E-03	1.5E-10	1.6E-01	5.5E-03	1.3E-13	6.8E-01	6.0E-07	1.0E-03	4.3E-10	1.6E-01	5.5E-03	3.7E-13
1.1E+00	1.9E-07	1.0E-03	2.1E-10	1.6E-01	5.5E-03	1.8E-13	9.5E-01	6.0E-07	1.0E-03	5.9E-10	1.6E-01	5.5E-03	5.1E-13
1.6E+00	1.9E-07	1.0E-03	3.2E-10	1.6E-01	5.5E-03	2.8E-13	1.4E+00	6.0E-07	1.0E-03	9.1E-10	1.6E-01	5.5E-03	7.8E-13
2.7E+00	1.9E-07	1.0E-03	5.4E-10	1.6E-01	5.5E-03	4.6E-13	2.5E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12
5.2E+00	1.9E-07	1.0E-03	1.0E-09	1.6E-01	5.5E-03	8.9E-13	5.0E+00	6.0E-07	1.0E-03	3.1E-09	1.6E-01	5.5E-03	2.7E-12
1.2E+01	1.9E-07	1.0E-03	2.3E-09	1.6E-01	5.5E-03	2.0E-12	1.4E+01	6.0E-07	1.0E-03	8.9E-09	1.6E-01	5.5E-03	7.7E-12
2.3E+01	1.9E-07	1.0E-03	4.7E-09	1.6E-01	5.5E-03	4.0E-12	5.4E+01	6.0E-07	1.0E-03	3.4E-08	1.6E-01	5.5E-03	2.9E-11
2.0E+01	1.9E-07	1.0E-03	4.0E-09	1.6E-01	5.5E-03	3.4E-12	6.1E+01	6.0E-07	1.0E-03	3.8E-08	1.6E-01	5.5E-03	3.3E-11
1.2E+01	1.9E-07	1.0E-03	2.4E-09	1.6E-01	5.5E-03	2.1E-12	2.4E+01	6.0E-07	1.0E-03	1.5E-08	1.6E-01	5.5E-03	1.3E-11
7.4E+00	1.9E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12	1.1E+01	6.0E-07	1.0E-03	6.9E-09	1.6E-01	5.5E-03	5.9E-12
4.7E+00	1.9E-07	1.0E-03	9.4E-10	1.6E-01	5.5E-03	8.1E-13	6.0E+00	6.0E-07	1.0E-03	3.8E-09	1.6E-01	5.5E-03	3.3E-12
3.2E+00	1.9E-07	1.0E-03	6.4E-10	1.6E-01	5.5E-03	5.5E-13	3.8E+00	6.0E-07	1.0E-03	2.4E-09	1.6E-01	5.5E-03	2.0E-12
2.3E+00	1.9E-07	1.0E-03	4.5E-10	1.6E-01	5.5E-03	3.9E-13	2.5E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	5.5E-03	1.4E-12
1.7E+00	1.9E-07	1.0E-03	3.3E-10	1.6E-01	5.5E-03	2.9E-13	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.8E-13
1.3E+00	1.9E-07	1.0E-03	2.6E-10	1.6E-01	5.5E-03	2.2E-13	1.3E+00	6.0E-07	1.0E-03	8.4E-10	1.6E-01	5.5E-03	7.3E-13
1.0E+00	1.9E-07	1.0E-03	2.0E-10	1.6E-01	5.5E-03	1.7E-13	1.0E+00	6.0E-07	1.0E-03	6.5E-10	1.6E-01	5.5E-03	5.6E-13
7.9E-01	1.9E-07	1.0E-03	1.6E-10	1.6E-01	5.5E-03	1.3E-13	6.9E-01	6.0E-07	1.0E-03	4.3E-10	1.6E-01	5.5E-03	3.7E-13
1.1E+00	1.9E-07	1.0E-03	2.3E-10	1.6E-01	5.5E-03	2.0E-13	9.7E-01	6.0E-07	1.0E-03	6.1E-10	1.6E-01	5.5E-03	5.2E-13
1.8E+00	1.9E-07	1.0E-03	3.6E-10	1.6E-01	5.5E-03	3.1E-13	1.5E+00	6.0E-07	1.0E-03	9.3E-10	1.6E-01	5.5E-03	8.0E-13
3.3E+00	1.9E-07	1.0E-03	6.5E-10	1.6E-01	5.5E-03	5.6E-13	2.6E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	5.5E-03	1.4E-12
7.6E+00	1.9E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12	5.5E+00	6.0E-07	1.0E-03	3.4E-09	1.6E-01	5.5E-03	3.0E-12
7.7E+00	1.9E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12	9.6E+00	6.0E-07	1.0E-03	6.0E-09	1.6E-01	5.5E-03	5.2E-12
4.5E+00	1.9E-07	1.0E-03	9.0E-10	1.6E-01	5.5E-03	7.8E-13	5.1E+00	6.0E-07	1.0E-03	3.2E-09	1.6E-01	5.5E-03	2.8E-12
3.0E+00	1.9E-07	1.0E-03	5.9E-10	1.6E-01	5.5E-03	5.1E-13	3.2E+00	6.0E-07	1.0E-03	2.0E-09	1.6E-01	5.5E-03	1.7E-12
2.1E+00	1.9E-07	1.0E-03	4.1E-10	1.6E-01	5.5E-03	3.5E-13	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.2E-12
1.5E+00	1.9E-07	1.0E-03	3.0E-10	1.6E-01	5.5E-03	2.6E-13	1.5E+00	6.0E-07	1.0E-03	9.7E-10	1.6E-01	5.5E-03	8.3E-13
1.1E+00	1.9E-07	1.0E-03	2.3E-10	1.6E-01	5.5E-03	2.0E-13	1.2E+00	6.0E-07	1.0E-03	7.3E-10	1.6E-01	5.5E-03	6.3E-13
9.0E-01	1.9E-07	1.0E-03	1.8E-10	1.6E-01	5.5E-03	1.5E-13	9.0E-01	6.0E-07	1.0E-03	5.7E-10	1.6E-01	5.5E-03	4.9E-13
7.8E-01	1.9E-07	1.0E-03	1.6E-10	1.6E-01	5.5E-03	1.3E-13	6.6E-01	6.0E-07	1.0E-03	4.1E-10	1.6E-01	5.5E-03	3.6E-13
1.1E+00	1.9E-07	1.0E-03	2.3E-10	1.6E-01	5.5E-03	1.9E-13	9.1E-01	6.0E-07	1.0E-03	5.7E-10	1.6E-01	5.5E-03	4.9E-13
1.8E+00	1.9E-07	1.0E-03	3.6E-10	1.6E-01	5.5E-03	3.1E-13	1.4E+00	6.0E-07	1.0E-03	8.5E-10	1.6E-01	5.5E-03	7.3E-13
3.3E+00	1.9E-07	1.0E-03	6.5E-10	1.6E-01	5.5E-03	5.6E-13	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12
7.4E+00	1.9E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12	4.1E+00	6.0E-07	1.0E-03	2.6E-09	1.6E-01	5.5E-03	2.2E-12
6.3E+00	1.9E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12	6.4E+00	6.0E-07	1.0E-03	4.0E-09	1.6E-01	5.5E-03	3.5E-12
3.7E+00	1.9E-07	1.0E-03	7.4E-10	1.6E-01	5.5E-03	6.4E-13	3.9E+00	6.0E-07	1.0E-03	2.4E-09	1.6E-01	5.5E-03	2.1E-12

2.4E+00	1.9E-07	1.0E-03	4.8E-10	1.6E-01	5.5E-03	4.2E-13	2.5E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	5.5E-03	1.3E-12
1.7E+00	1.9E-07	1.0E-03	3.5E-10	1.6E-01	5.5E-03	3.0E-13	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.6E-13
1.3E+00	1.9E-07	1.0E-03	2.6E-10	1.6E-01	5.5E-03	2.2E-13	1.3E+00	6.0E-07	1.0E-03	8.2E-10	1.6E-01	5.5E-03	7.0E-13
9.9E-01	1.9E-07	1.0E-03	2.0E-10	1.6E-01	5.5E-03	1.7E-13	9.9E-01	6.0E-07	1.0E-03	6.2E-10	1.6E-01	5.5E-03	5.4E-13
7.8E-01	1.9E-07	1.0E-03	1.6E-10	1.6E-01	5.5E-03	1.3E-13	7.8E-01	6.0E-07	1.0E-03	4.9E-10	1.6E-01	5.5E-03	4.2E-13
7.4E-01	1.9E-07	1.0E-03	1.5E-10	1.6E-01	5.5E-03	1.3E-13	6.1E-01	6.0E-07	1.0E-03	3.8E-10	1.6E-01	5.5E-03	3.3E-13
1.0E+00	1.9E-07	1.0E-03	2.1E-10	1.6E-01	5.5E-03	1.8E-13	8.2E-01	6.0E-07	1.0E-03	5.1E-10	1.6E-01	5.5E-03	4.4E-13
1.6E+00	1.9E-07	1.0E-03	3.1E-10	1.6E-01	5.5E-03	2.7E-13	1.1E+00	6.0E-07	1.0E-03	7.2E-10	1.6E-01	5.5E-03	6.2E-13
2.7E+00	1.9E-07	1.0E-03	5.3E-10	1.6E-01	5.5E-03	4.6E-13	1.7E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.4E-13
5.0E+00	1.9E-07	1.0E-03	9.8E-10	1.6E-01	5.5E-03	8.5E-13	2.7E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	5.5E-03	1.5E-12
4.5E+00	1.9E-07	1.0E-03	8.9E-10	1.6E-01	5.5E-03	7.6E-13	4.2E+00	6.0E-07	1.0E-03	2.6E-09	1.6E-01	5.5E-03	2.3E-12
2.9E+00	1.9E-07	1.0E-03	5.7E-10	1.6E-01	5.5E-03	4.9E-13	2.8E+00	6.0E-07	1.0E-03	1.8E-09	1.6E-01	5.5E-03	1.5E-12
2.0E+00	1.9E-07	1.0E-03	3.9E-10	1.6E-01	5.5E-03	3.4E-13	2.0E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12
1.5E+00	1.9E-07	1.0E-03	2.9E-10	1.6E-01	5.5E-03	2.5E-13	1.5E+00	6.0E-07	1.0E-03	9.3E-10	1.6E-01	5.5E-03	8.0E-13
1.1E+00	1.9E-07	1.0E-03	2.2E-10	1.6E-01	5.5E-03	1.9E-13	1.1E+00	6.0E-07	1.0E-03	7.0E-10	1.6E-01	5.5E-03	6.0E-13
8.6E-01	1.9E-07	1.0E-03	1.7E-10	1.6E-01	5.5E-03	1.5E-13	8.7E-01	6.0E-07	1.0E-03	5.4E-10	1.6E-01	5.5E-03	4.7E-13
6.9E-01	1.9E-07	1.0E-03	1.4E-10	1.6E-01	5.5E-03	1.2E-13	6.9E-01	6.0E-07	1.0E-03	4.3E-10	1.6E-01	5.5E-03	3.7E-13
6.7E-01	1.9E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-03	1.2E-13	5.4E-01	6.0E-07	1.0E-03	3.4E-10	1.6E-01	5.5E-03	2.9E-13
9.0E-01	1.9E-07	1.0E-03	1.8E-10	1.6E-01	5.5E-03	1.5E-13	7.0E-01	6.0E-07	1.0E-03	4.4E-10	1.6E-01	5.5E-03	3.8E-13
1.3E+00	1.9E-07	1.0E-03	2.6E-10	1.6E-01	5.5E-03	2.2E-13	9.4E-01	6.0E-07	1.0E-03	5.9E-10	1.6E-01	5.5E-03	5.1E-13
2.0E+00	1.9E-07	1.0E-03	3.9E-10	1.6E-01	5.5E-03	3.4E-13	1.3E+00	6.0E-07	1.0E-03	8.2E-10	1.6E-01	5.5E-03	7.0E-13
3.1E+00	1.9E-07	1.0E-03	6.2E-10	1.6E-01	5.5E-03	5.4E-13	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.0E-12
3.3E+00	1.9E-07	1.0E-03	6.6E-10	1.6E-01	5.5E-03	5.7E-13	3.0E+00	6.0E-07	1.0E-03	1.9E-09	1.6E-01	5.5E-03	1.6E-12
2.3E+00	1.9E-07	1.0E-03	4.5E-10	1.6E-01	5.5E-03	3.9E-13	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12
1.6E+00	1.9E-07	1.0E-03	3.2E-10	1.6E-01	5.5E-03	2.8E-13	1.6E+00	6.0E-07	1.0E-03	1.0E-09	1.6E-01	5.5E-03	8.8E-13
1.2E+00	1.9E-07	1.0E-03	2.5E-10	1.6E-01	5.5E-03	2.1E-13	1.3E+00	6.0E-07	1.0E-03	8.0E-10	1.6E-01	5.5E-03	6.9E-13
9.6E-01	1.9E-07	1.0E-03	1.9E-10	1.6E-01	5.5E-03	1.6E-13	9.8E-01	6.0E-07	1.0E-03	6.2E-10	1.6E-01	5.5E-03	5.3E-13
7.6E-01	1.9E-07	1.0E-03	1.5E-10	1.6E-01	5.5E-03	1.3E-13	7.8E-01	6.0E-07	1.0E-03	4.9E-10	1.6E-01	5.5E-03	4.2E-13
6.1E-01	1.9E-07	1.0E-03	1.2E-10	1.6E-01	5.5E-03	1.0E-13	6.3E-01	6.0E-07	1.0E-03	3.9E-10	1.6E-01	5.5E-03	3.4E-13
5.9E-01	1.9E-07	1.0E-03	1.2E-10	1.6E-01	5.5E-03	1.0E-13	4.7E-01	6.0E-07	1.0E-03	3.0E-10	1.6E-01	5.5E-03	2.6E-13
7.6E-01	1.9E-07	1.0E-03	1.5E-10	1.6E-01	5.5E-03	1.3E-13	5.9E-01	6.0E-07	1.0E-03	3.7E-10	1.6E-01	5.5E-03	3.2E-13
1.0E+00	1.9E-07	1.0E-03	2.0E-10	1.6E-01	5.5E-03	1.7E-13	7.6E-01	6.0E-07	1.0E-03	4.8E-10	1.6E-01	5.5E-03	4.1E-13
1.4E+00	1.9E-07	1.0E-03	2.8E-10	1.6E-01	5.5E-03	2.4E-13	1.0E+00	6.0E-07	1.0E-03	6.3E-10	1.6E-01	5.5E-03	5.4E-13
2.1E+00	1.9E-07	1.0E-03	4.2E-10	1.6E-01	5.5E-03	3.6E-13	1.4E+00	6.0E-07	1.0E-03	8.6E-10	1.6E-01	5.5E-03	7.4E-13
2.9E+00	1.9E-07	1.0E-03	5.8E-10	1.6E-01	5.5E-03	5.0E-13	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.8E-13
3.6E+00	1.9E-07	1.0E-03	7.1E-10	1.6E-01	5.5E-03	6.1E-13	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12
3.6E+00	1.9E-07	1.0E-03	7.2E-10	1.6E-01	5.5E-03	6.2E-13	2.5E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	5.5E-03	1.3E-12
3.1E+00	1.9E-07	1.0E-03	6.3E-10	1.6E-01	5.5E-03	5.4E-13	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12
2.5E+00	1.9E-07	1.0E-03	4.9E-10	1.6E-01	5.5E-03	4.2E-13	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12
1.9E+00	1.9E-07	1.0E-03	3.7E-10	1.6E-01	5.5E-03	3.2E-13	1.7E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.4E-13
1.3E+00	1.9E-07	1.0E-03	2.7E-10	1.6E-01	5.5E-03	2.3E-13	1.3E+00	6.0E-07	1.0E-03	8.3E-10	1.6E-01	5.5E-03	7.2E-13
1.0E+00	1.9E-07	1.0E-03	2.1E-10	1.6E-01	5.5E-03	1.8E-13	1.1E+00	6.0E-07	1.0E-03	6.6E-10	1.6E-01	5.5E-03	5.7E-13
8.5E-01	1.9E-07	1.0E-03	1.7E-10	1.6E-01	5.5E-03	1.5E-13	8.7E-01	6.0E-07	1.0E-03	5.5E-10	1.6E-01	5.5E-03	4.7E-13
6.8E-01	1.9E-07	1.0E-03	1.4E-10	1.6E-01	5.5E-03	1.2E-13	7.0E-01	6.0E-07	1.0E-03	4.4E-10	1.6E-01	5.5E-03	3.8E-13
5.6E-01	1.9E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.6E-14	5.7E-01	6.0E-07	1.0E-03	3.6E-10	1.6E-01	5.5E-03	3.1E-13
5.1E-01	1.9E-07	1.0E-03	1.0E-10	1.6E-01	5.5E-03	8.7E-14	4.1E-01	6.0E-07	1.0E-03	2.6E-10	1.6E-01	5.5E-03	2.2E-13

6.4E-01	1.9E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-03	1.1E-13	5.0E-01	6.0E-07	1.0E-03	3.2E-10	1.6E-01	5.5E-03	2.7E-13
8.2E-01	1.9E-07	1.0E-03	1.6E-10	1.6E-01	5.5E-03	1.4E-13	6.2E-01	6.0E-07	1.0E-03	3.9E-10	1.6E-01	5.5E-03	3.4E-13
1.1E+00	1.9E-07	1.0E-03	2.2E-10	1.6E-01	5.5E-03	1.9E-13	8.0E-01	6.0E-07	1.0E-03	5.0E-10	1.6E-01	5.5E-03	4.3E-13
1.5E+00	1.9E-07	1.0E-03	2.9E-10	1.6E-01	5.5E-03	2.5E-13	1.0E+00	6.0E-07	1.0E-03	6.5E-10	1.6E-01	5.5E-03	5.6E-13
1.9E+00	1.9E-07	1.0E-03	3.7E-10	1.6E-01	5.5E-03	3.2E-13	1.3E+00	6.0E-07	1.0E-03	8.1E-10	1.6E-01	5.5E-03	6.9E-13
2.2E+00	1.9E-07	1.0E-03	4.4E-10	1.6E-01	5.5E-03	3.8E-13	1.5E+00	6.0E-07	1.0E-03	9.5E-10	1.6E-01	5.5E-03	8.2E-13
2.3E+00	1.9E-07	1.0E-03	4.6E-10	1.6E-01	5.5E-03	4.0E-13	1.7E+00	6.0E-07	1.0E-03	1.0E-09	1.6E-01	5.5E-03	9.0E-13
2.2E+00	1.9E-07	1.0E-03	4.3E-10	1.6E-01	5.5E-03	3.7E-13	1.7E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.1E-13
1.8E+00	1.9E-07	1.0E-03	3.6E-10	1.6E-01	5.5E-03	3.1E-13	1.6E+00	6.0E-07	1.0E-03	9.7E-10	1.6E-01	5.5E-03	8.4E-13
1.5E+00	1.9E-07	1.0E-03	3.0E-10	1.6E-01	5.5E-03	2.6E-13	1.4E+00	6.0E-07	1.0E-03	8.5E-10	1.6E-01	5.5E-03	7.3E-13
1.2E+00	1.9E-07	1.0E-03	2.4E-10	1.6E-01	5.5E-03	2.0E-13	1.1E+00	6.0E-07	1.0E-03	7.1E-10	1.6E-01	5.5E-03	6.1E-13
9.0E-01	1.9E-07	1.0E-03	1.8E-10	1.6E-01	5.5E-03	1.5E-13	9.0E-01	6.0E-07	1.0E-03	5.6E-10	1.6E-01	5.5E-03	4.8E-13
7.6E-01	1.9E-07	1.0E-03	1.5E-10	1.6E-01	5.5E-03	1.3E-13	7.7E-01	6.0E-07	1.0E-03	4.8E-10	1.6E-01	5.5E-03	4.1E-13
6.3E-01	1.9E-07	1.0E-03	1.2E-10	1.6E-01	5.5E-03	1.1E-13	6.4E-01	6.0E-07	1.0E-03	4.0E-10	1.6E-01	5.5E-03	3.5E-13
5.2E-01	1.9E-07	1.0E-03	1.0E-10	1.6E-01	5.5E-03	8.8E-14	5.3E-01	6.0E-07	1.0E-03	3.3E-10	1.6E-01	5.5E-03	2.9E-13
4.4E-01	1.9E-07	1.0E-03	8.7E-11	1.6E-01	5.5E-03	7.5E-14	3.6E-01	6.0E-07	1.0E-03	2.3E-10	1.6E-01	5.5E-03	2.0E-13
5.4E-01	1.9E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.2E-14	4.3E-01	6.0E-07	1.0E-03	2.7E-10	1.6E-01	5.5E-03	2.3E-13
6.7E-01	1.9E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-03	1.2E-13	5.3E-01	6.0E-07	1.0E-03	3.3E-10	1.6E-01	5.5E-03	2.8E-13
8.6E-01	1.9E-07	1.0E-03	1.7E-10	1.6E-01	5.5E-03	1.5E-13	6.5E-01	6.0E-07	1.0E-03	4.1E-10	1.6E-01	5.5E-03	3.5E-13
1.1E+00	1.9E-07	1.0E-03	2.1E-10	1.6E-01	5.5E-03	1.9E-13	8.0E-01	6.0E-07	1.0E-03	5.0E-10	1.6E-01	5.5E-03	4.3E-13
1.3E+00	1.9E-07	1.0E-03	2.6E-10	1.6E-01	5.5E-03	2.2E-13	9.6E-01	6.0E-07	1.0E-03	6.0E-10	1.6E-01	5.5E-03	5.2E-13
1.5E+00	1.9E-07	1.0E-03	3.0E-10	1.6E-01	5.5E-03	2.6E-13	1.1E+00	6.0E-07	1.0E-03	6.9E-10	1.6E-01	5.5E-03	6.0E-13
1.6E+00	1.9E-07	1.0E-03	3.1E-10	1.6E-01	5.5E-03	2.7E-13	1.2E+00	6.0E-07	1.0E-03	7.5E-10	1.6E-01	5.5E-03	6.5E-13
1.5E+00	1.9E-07	1.0E-03	3.1E-10	1.6E-01	5.5E-03	2.6E-13	1.2E+00	6.0E-07	1.0E-03	7.6E-10	1.6E-01	5.5E-03	6.6E-13
1.4E+00	1.9E-07	1.0E-03	2.7E-10	1.6E-01	5.5E-03	2.3E-13	1.2E+00	6.0E-07	1.0E-03	7.3E-10	1.6E-01	5.5E-03	6.2E-13
1.1E+00	1.9E-07	1.0E-03	2.3E-10	1.6E-01	5.5E-03	2.0E-13	1.0E+00	6.0E-07	1.0E-03	6.4E-10	1.6E-01	5.5E-03	5.5E-13
9.7E-01	1.9E-07	1.0E-03	1.9E-10	1.6E-01	5.5E-03	1.7E-13	9.0E-01	6.0E-07	1.0E-03	5.7E-10	1.6E-01	5.5E-03	4.9E-13
8.0E-01	1.9E-07	1.0E-03	1.6E-10	1.6E-01	5.5E-03	1.4E-13	7.8E-01	6.0E-07	1.0E-03	4.9E-10	1.6E-01	5.5E-03	4.2E-13
6.5E-01	1.9E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-03	1.1E-13	6.4E-01	6.0E-07	1.0E-03	4.0E-10	1.6E-01	5.5E-03	3.5E-13
5.7E-01	1.9E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.7E-14	5.7E-01	6.0E-07	1.0E-03	3.6E-10	1.6E-01	5.5E-03	3.1E-13
4.8E-01	1.9E-07	1.0E-03	9.5E-11	1.6E-01	5.5E-03	8.2E-14	4.9E-01	6.0E-07	1.0E-03	3.1E-10	1.6E-01	5.5E-03	2.6E-13
3.8E-01	1.9E-07	1.0E-03	7.6E-11	1.6E-01	5.5E-03	6.5E-14	3.2E-01	6.0E-07	1.0E-03	2.0E-10	1.6E-01	5.5E-03	1.7E-13
4.6E-01	1.9E-07	1.0E-03	9.1E-11	1.6E-01	5.5E-03	7.9E-14	3.7E-01	6.0E-07	1.0E-03	2.4E-10	1.6E-01	5.5E-03	2.0E-13
5.6E-01	1.9E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.6E-14	4.5E-01	6.0E-07	1.0E-03	2.8E-10	1.6E-01	5.5E-03	2.4E-13
6.8E-01	1.9E-07	1.0E-03	1.4E-10	1.6E-01	5.5E-03	1.2E-13	5.3E-01	6.0E-07	1.0E-03	3.4E-10	1.6E-01	5.5E-03	2.9E-13
8.3E-01	1.9E-07	1.0E-03	1.6E-10	1.6E-01	5.5E-03	1.4E-13	6.4E-01	6.0E-07	1.0E-03	4.0E-10	1.6E-01	5.5E-03	3.4E-13
9.7E-01	1.9E-07	1.0E-03	1.9E-10	1.6E-01	5.5E-03	1.7E-13	7.4E-01	6.0E-07	1.0E-03	4.7E-10	1.6E-01	5.5E-03	4.0E-13
1.1E+00	1.9E-07	1.0E-03	2.2E-10	1.6E-01	5.5E-03	1.9E-13	8.4E-01	6.0E-07	1.0E-03	5.2E-10	1.6E-01	5.5E-03	4.5E-13
1.1E+00	1.9E-07	1.0E-03	2.3E-10	1.6E-01	5.5E-03	2.0E-13	9.0E-01	6.0E-07	1.0E-03	5.6E-10	1.6E-01	5.5E-03	4.8E-13
1.1E+00	1.9E-07	1.0E-03	2.3E-10	1.6E-01	5.5E-03	1.9E-13	9.2E-01	6.0E-07	1.0E-03	5.8E-10	1.6E-01	5.5E-03	5.0E-13
1.1E+00	1.9E-07	1.0E-03	2.1E-10	1.6E-01	5.5E-03	1.8E-13	8.9E-01	6.0E-07	1.0E-03	5.6E-10	1.6E-01	5.5E-03	4.8E-13
9.6E-01	1.9E-07	1.0E-03	1.9E-10	1.6E-01	5.5E-03	1.6E-13	8.4E-01	6.0E-07	1.0E-03	5.3E-10	1.6E-01	5.5E-03	4.5E-13
8.4E-01	1.9E-07	1.0E-03	1.7E-10	1.6E-01	5.5E-03	1.4E-13	7.7E-01	6.0E-07	1.0E-03	4.8E-10	1.6E-01	5.5E-03	4.2E-13
7.2E-01	1.9E-07	1.0E-03	1.4E-10	1.6E-01	5.5E-03	1.2E-13	6.8E-01	6.0E-07	1.0E-03	4.3E-10	1.6E-01	5.5E-03	3.7E-13
5.8E-01	1.9E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.9E-14	5.6E-01	6.0E-07	1.0E-03	3.5E-10	1.6E-01	5.5E-03	3.0E-13
4.9E-01	1.9E-07	1.0E-03	9.7E-11	1.6E-01	5.5E-03	8.3E-14	4.9E-01	6.0E-07	1.0E-03	3.1E-10	1.6E-01	5.5E-03	2.6E-13

4.4E-01	1.9E-07	1.0E-03	8.8E-11	1.6E-01	5.5E-03	7.6E-14	4.5E-01	6.0E-07	1.0E-03	2.8E-10	1.6E-01	5.5E-03	2.4E-13
3.4E-01	1.9E-07	1.0E-03	6.7E-11	1.6E-01	5.5E-03	5.7E-14	2.8E-01	6.0E-07	1.0E-03	1.8E-10	1.6E-01	5.5E-03	1.5E-13
4.0E-01	1.9E-07	1.0E-03	7.9E-11	1.6E-01	5.5E-03	6.8E-14	3.3E-01	6.0E-07	1.0E-03	2.1E-10	1.6E-01	5.5E-03	1.8E-13
4.7E-01	1.9E-07	1.0E-03	9.3E-11	1.6E-01	5.5E-03	8.0E-14	3.8E-01	6.0E-07	1.0E-03	2.4E-10	1.6E-01	5.5E-03	2.1E-13
5.6E-01	1.9E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.5E-14	4.5E-01	6.0E-07	1.0E-03	2.8E-10	1.6E-01	5.5E-03	2.4E-13
6.5E-01	1.9E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-03	1.1E-13	5.2E-01	6.0E-07	1.0E-03	3.3E-10	1.6E-01	5.5E-03	2.8E-13
7.5E-01	1.9E-07	1.0E-03	1.5E-10	1.6E-01	5.5E-03	1.3E-13	5.9E-01	6.0E-07	1.0E-03	3.7E-10	1.6E-01	5.5E-03	3.2E-13
8.3E-01	1.9E-07	1.0E-03	1.6E-10	1.6E-01	5.5E-03	1.4E-13	6.6E-01	6.0E-07	1.0E-03	4.1E-10	1.6E-01	5.5E-03	3.6E-13
8.7E-01	1.9E-07	1.0E-03	1.7E-10	1.6E-01	5.5E-03	1.5E-13	7.0E-01	6.0E-07	1.0E-03	4.4E-10	1.6E-01	5.5E-03	3.8E-13
8.7E-01	1.9E-07	1.0E-03	1.7E-10	1.6E-01	5.5E-03	1.5E-13	7.2E-01	6.0E-07	1.0E-03	4.5E-10	1.6E-01	5.5E-03	3.9E-13
8.4E-01	1.9E-07	1.0E-03	1.7E-10	1.6E-01	5.5E-03	1.4E-13	7.1E-01	6.0E-07	1.0E-03	4.5E-10	1.6E-01	5.5E-03	3.9E-13
7.8E-01	1.9E-07	1.0E-03	1.6E-10	1.6E-01	5.5E-03	1.3E-13	6.9E-01	6.0E-07	1.0E-03	4.3E-10	1.6E-01	5.5E-03	3.7E-13
7.1E-01	1.9E-07	1.0E-03	1.4E-10	1.6E-01	5.5E-03	1.2E-13	6.4E-01	6.0E-07	1.0E-03	4.0E-10	1.6E-01	5.5E-03	3.5E-13
6.2E-01	1.9E-07	1.0E-03	1.2E-10	1.6E-01	5.5E-03	1.1E-13	5.8E-01	6.0E-07	1.0E-03	3.7E-10	1.6E-01	5.5E-03	3.1E-13
5.4E-01	1.9E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.3E-14	5.2E-01	6.0E-07	1.0E-03	3.3E-10	1.6E-01	5.5E-03	2.8E-13
4.4E-01	1.9E-07	1.0E-03	8.8E-11	1.6E-01	5.5E-03	7.5E-14	4.3E-01	6.0E-07	1.0E-03	2.7E-10	1.6E-01	5.5E-03	2.3E-13
3.8E-01	1.9E-07	1.0E-03	7.6E-11	1.6E-01	5.5E-03	6.5E-14	3.8E-01	6.0E-07	1.0E-03	2.4E-10	1.6E-01	5.5E-03	2.1E-13
2.9E-01	1.9E-07	1.0E-03	5.8E-11	1.6E-01	5.5E-03	5.0E-14	2.5E-01	6.0E-07	1.0E-03	1.6E-10	1.6E-01	5.5E-03	1.3E-13
3.4E-01	1.9E-07	1.0E-03	6.8E-11	1.6E-01	5.5E-03	5.8E-14	2.9E-01	6.0E-07	1.0E-03	1.8E-10	1.6E-01	5.5E-03	1.5E-13
4.0E-01	1.9E-07	1.0E-03	7.9E-11	1.6E-01	5.5E-03	6.8E-14	3.3E-01	6.0E-07	1.0E-03	2.1E-10	1.6E-01	5.5E-03	1.8E-13
4.6E-01	1.9E-07	1.0E-03	9.2E-11	1.6E-01	5.5E-03	7.9E-14	3.8E-01	6.0E-07	1.0E-03	2.4E-10	1.6E-01	5.5E-03	2.0E-13
5.3E-01	1.9E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.1E-14	4.3E-01	6.0E-07	1.0E-03	2.7E-10	1.6E-01	5.5E-03	2.3E-13
6.0E-01	1.9E-07	1.0E-03	1.2E-10	1.6E-01	5.5E-03	1.0E-13	4.9E-01	6.0E-07	1.0E-03	3.0E-10	1.6E-01	5.5E-03	2.6E-13
6.5E-01	1.9E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-03	1.1E-13	5.3E-01	6.0E-07	1.0E-03	3.3E-10	1.6E-01	5.5E-03	2.9E-13
6.8E-01	1.9E-07	1.0E-03	1.4E-10	1.6E-01	5.5E-03	1.2E-13	5.6E-01	6.0E-07	1.0E-03	3.5E-10	1.6E-01	5.5E-03	3.0E-13
6.9E-01	1.9E-07	1.0E-03	1.4E-10	1.6E-01	5.5E-03	1.2E-13	5.8E-01	6.0E-07	1.0E-03	3.6E-10	1.6E-01	5.5E-03	3.1E-13
6.7E-01	1.9E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-03	1.2E-13	5.8E-01	6.0E-07	1.0E-03	3.6E-10	1.6E-01	5.5E-03	3.1E-13
6.4E-01	1.9E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-03	1.1E-13	5.6E-01	6.0E-07	1.0E-03	3.5E-10	1.6E-01	5.5E-03	3.0E-13
5.9E-01	1.9E-07	1.0E-03	1.2E-10	1.6E-01	5.5E-03	1.0E-13	5.3E-01	6.0E-07	1.0E-03	3.4E-10	1.6E-01	5.5E-03	2.9E-13
5.4E-01	1.9E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.2E-14	5.0E-01	6.0E-07	1.0E-03	3.1E-10	1.6E-01	5.5E-03	2.7E-13
4.8E-01	1.9E-07	1.0E-03	9.5E-11	1.6E-01	5.5E-03	8.2E-14	4.5E-01	6.0E-07	1.0E-03	2.9E-10	1.6E-01	5.5E-03	2.5E-13
4.2E-01	1.9E-07	1.0E-03	8.3E-11	1.6E-01	5.5E-03	7.1E-14	4.0E-01	6.0E-07	1.0E-03	2.5E-10	1.6E-01	5.5E-03	2.2E-13
3.5E-01	1.9E-07	1.0E-03	6.9E-11	1.6E-01	5.5E-03	5.9E-14	3.4E-01	6.0E-07	1.0E-03	2.1E-10	1.6E-01	5.5E-03	1.9E-13
2.6E-01	1.9E-07	1.0E-03	5.2E-11	1.6E-01	5.5E-03	4.4E-14	2.2E-01	6.0E-07	1.0E-03	1.4E-10	1.6E-01	5.5E-03	1.2E-13
3.0E-01	1.9E-07	1.0E-03	5.9E-11	1.6E-01	5.5E-03	5.1E-14	2.5E-01	6.0E-07	1.0E-03	1.6E-10	1.6E-01	5.5E-03	1.4E-13
3.4E-01	1.9E-07	1.0E-03	6.8E-11	1.6E-01	5.5E-03	5.8E-14	2.9E-01	6.0E-07	1.0E-03	1.8E-10	1.6E-01	5.5E-03	1.5E-13
3.9E-01	1.9E-07	1.0E-03	7.7E-11	1.6E-01	5.5E-03	6.7E-14	3.3E-01	6.0E-07	1.0E-03	2.0E-10	1.6E-01	5.5E-03	1.8E-13
4.4E-01	1.9E-07	1.0E-03	8.7E-11	1.6E-01	5.5E-03	7.5E-14	3.7E-01	6.0E-07	1.0E-03	2.3E-10	1.6E-01	5.5E-03	2.0E-13
4.9E-01	1.9E-07	1.0E-03	9.7E-11	1.6E-01	5.5E-03	8.4E-14	4.0E-01	6.0E-07	1.0E-03	2.5E-10	1.6E-01	5.5E-03	2.2E-13
5.3E-01	1.9E-07	1.0E-03	1.0E-10	1.6E-01	5.5E-03	9.0E-14	4.4E-01	6.0E-07	1.0E-03	2.8E-10	1.6E-01	5.5E-03	2.4E-13
5.5E-01	1.9E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.4E-14	4.6E-01	6.0E-07	1.0E-03	2.9E-10	1.6E-01	5.5E-03	2.5E-13
5.6E-01	1.9E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.6E-14	4.8E-01	6.0E-07	1.0E-03	3.0E-10	1.6E-01	5.5E-03	2.6E-13
5.5E-01	1.9E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.4E-14	4.8E-01	6.0E-07	1.0E-03	3.0E-10	1.6E-01	5.5E-03	2.6E-13
5.3E-01	1.9E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.1E-14	4.7E-01	6.0E-07	1.0E-03	2.9E-10	1.6E-01	5.5E-03	2.5E-13
5.0E-01	1.9E-07	1.0E-03	9.9E-11	1.6E-01	5.5E-03	8.6E-14	4.5E-01	6.0E-07	1.0E-03	2.8E-10	1.6E-01	5.5E-03	2.4E-13
4.6E-01	1.9E-07	1.0E-03	9.2E-11	1.6E-01	5.5E-03	7.9E-14	4.3E-01	6.0E-07	1.0E-03	2.7E-10	1.6E-01	5.5E-03	2.3E-13

4.2E-01	1.9E-07	1.0E-03	8.4E-11	1.6E-01	5.5E-03	7.2E-14	4.0E-01	6.0E-07	1.0E-03	2.5E-10	1.6E-01	5.5E-03	2.1E-13
3.8E-01	1.9E-07	1.0E-03	7.5E-11	1.6E-01	5.5E-03	6.5E-14	3.6E-01	6.0E-07	1.0E-03	2.3E-10	1.6E-01	5.5E-03	1.9E-13
3.2E-01	1.9E-07	1.0E-03	6.4E-11	1.6E-01	5.5E-03	5.5E-14	3.1E-01	6.0E-07	1.0E-03	2.0E-10	1.6E-01	5.5E-03	1.7E-13
1.2E+01	1.9E-07	1.0E-03	2.3E-09	1.6E-01	5.5E-03	2.0E-12	1.4E+01	6.0E-07	1.0E-03	8.9E-09	1.6E-01	5.5E-03	7.7E-12
1.4E+01	1.9E-07	1.0E-03	2.8E-09	1.6E-01	5.5E-03	2.4E-12	1.8E+01	6.0E-07	1.0E-03	1.1E-08	1.6E-01	5.5E-03	9.9E-12
1.6E+01	1.9E-07	1.0E-03	3.2E-09	1.6E-01	5.5E-03	2.8E-12	2.4E+01	6.0E-07	1.0E-03	1.5E-08	1.6E-01	5.5E-03	1.3E-11
1.9E+01	1.9E-07	1.0E-03	3.7E-09	1.6E-01	5.5E-03	3.2E-12	3.2E+01	6.0E-07	1.0E-03	2.0E-08	1.6E-01	5.5E-03	1.7E-11
2.1E+01	1.9E-07	1.0E-03	4.3E-09	1.6E-01	5.5E-03	3.7E-12	4.2E+01	6.0E-07	1.0E-03	2.7E-08	1.6E-01	5.5E-03	2.3E-11
2.3E+01	1.9E-07	1.0E-03	4.7E-09	1.6E-01	5.5E-03	4.0E-12	5.4E+01	6.0E-07	1.0E-03	3.4E-08	1.6E-01	5.5E-03	2.9E-11
2.5E+01	1.9E-07	1.0E-03	4.9E-09	1.6E-01	5.5E-03	4.2E-12	6.3E+01	6.0E-07	1.0E-03	3.9E-08	1.6E-01	5.5E-03	3.4E-11
2.4E+01	1.9E-07	1.0E-03	4.9E-09	1.6E-01	5.5E-03	4.2E-12	6.8E+01	6.0E-07	1.0E-03	4.3E-08	1.6E-01	5.5E-03	3.7E-11
2.3E+01	1.9E-07	1.0E-03	4.7E-09	1.6E-01	5.5E-03	4.0E-12	7.0E+01	6.0E-07	1.0E-03	4.4E-08	1.6E-01	5.5E-03	3.8E-11
2.2E+01	1.9E-07	1.0E-03	4.3E-09	1.6E-01	5.5E-03	3.7E-12	6.8E+01	6.0E-07	1.0E-03	4.2E-08	1.6E-01	5.5E-03	3.7E-11
2.0E+01	1.9E-07	1.0E-03	4.0E-09	1.6E-01	5.5E-03	3.4E-12	6.1E+01	6.0E-07	1.0E-03	3.8E-08	1.6E-01	5.5E-03	3.3E-11
1.8E+01	1.9E-07	1.0E-03	3.6E-09	1.6E-01	5.5E-03	3.1E-12	5.1E+01	6.0E-07	1.0E-03	3.2E-08	1.6E-01	5.5E-03	2.8E-11
1.7E+01	1.9E-07	1.0E-03	3.3E-09	1.6E-01	5.5E-03	2.8E-12	4.2E+01	6.0E-07	1.0E-03	2.7E-08	1.6E-01	5.5E-03	2.3E-11
1.5E+01	1.9E-07	1.0E-03	3.0E-09	1.6E-01	5.5E-03	2.6E-12	3.5E+01	6.0E-07	1.0E-03	2.2E-08	1.6E-01	5.5E-03	1.9E-11
1.3E+01	1.9E-07	1.0E-03	2.7E-09	1.6E-01	5.5E-03	2.3E-12	2.9E+01	6.0E-07	1.0E-03	1.8E-08	1.6E-01	5.5E-03	1.5E-11
1.2E+01	1.9E-07	1.0E-03	2.4E-09	1.6E-01	5.5E-03	2.1E-12	2.4E+01	6.0E-07	1.0E-03	1.5E-08	1.6E-01	5.5E-03	1.3E-11
1.1E+01	1.9E-07	1.0E-03	2.2E-09	1.6E-01	5.5E-03	1.9E-12	2.0E+01	6.0E-07	1.0E-03	1.3E-08	1.6E-01	5.5E-03	1.1E-11
9.9E+00	1.9E-07	1.0E-03	2.0E-09	1.6E-01	5.5E-03	1.7E-12	1.7E+01	6.0E-07	1.0E-03	1.1E-08	1.6E-01	5.5E-03	9.2E-12
9.0E+00	1.9E-07	1.0E-03	1.8E-09	1.6E-01	5.5E-03	1.5E-12	1.5E+01	6.0E-07	1.0E-03	9.1E-09	1.6E-01	5.5E-03	7.9E-12
8.1E+00	1.9E-07	1.0E-03	1.6E-09	1.6E-01	5.5E-03	1.4E-12	1.3E+01	6.0E-07	1.0E-03	7.9E-09	1.6E-01	5.5E-03	6.8E-12
7.4E+00	1.9E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12	1.1E+01	6.0E-07	1.0E-03	6.9E-09	1.6E-01	5.5E-03	5.9E-12
6.7E+00	1.9E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12	9.6E+00	6.0E-07	1.0E-03	6.0E-09	1.6E-01	5.5E-03	5.2E-12
6.1E+00	1.9E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.0E-12	8.5E+00	6.0E-07	1.0E-03	5.3E-09	1.6E-01	5.5E-03	4.6E-12
5.6E+00	1.9E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.6E-13	7.5E+00	6.0E-07	1.0E-03	4.7E-09	1.6E-01	5.5E-03	4.1E-12
5.1E+00	1.9E-07	1.0E-03	1.0E-09	1.6E-01	5.5E-03	8.8E-13	6.7E+00	6.0E-07	1.0E-03	4.2E-09	1.6E-01	5.5E-03	3.6E-12
4.7E+00	1.9E-07	1.0E-03	9.4E-10	1.6E-01	5.5E-03	8.1E-13	6.0E+00	6.0E-07	1.0E-03	3.8E-09	1.6E-01	5.5E-03	3.3E-12
1.4E+01	1.9E-07	1.0E-03	2.9E-09	1.6E-01	5.5E-03	2.5E-12	1.6E+01	6.0E-07	1.0E-03	1.0E-08	1.6E-01	5.5E-03	8.7E-12
1.8E+01	1.9E-07	1.0E-03	3.5E-09	1.6E-01	5.5E-03	3.0E-12	2.2E+01	6.0E-07	1.0E-03	1.4E-08	1.6E-01	5.5E-03	1.2E-11
2.2E+01	1.9E-07	1.0E-03	4.3E-09	1.6E-01	5.5E-03	3.7E-12	3.0E+01	6.0E-07	1.0E-03	1.9E-08	1.6E-01	5.5E-03	1.6E-11
2.6E+01	1.9E-07	1.0E-03	5.2E-09	1.6E-01	5.5E-03	4.5E-12	4.3E+01	6.0E-07	1.0E-03	2.7E-08	1.6E-01	5.5E-03	2.3E-11
3.1E+01	1.9E-07	1.0E-03	6.1E-09	1.6E-01	5.5E-03	5.3E-12	1.5E+01	6.0E-07	1.0E-03	9.6E-09	1.6E-01	5.5E-03	8.3E-12
3.4E+01	1.9E-07	1.0E-03	6.8E-09	1.6E-01	5.5E-03	5.8E-12	2.2E+01	6.0E-07	1.0E-03	1.4E-08	1.6E-01	5.5E-03	1.2E-11
3.5E+01	1.9E-07	1.0E-03	7.0E-09	1.6E-01	5.5E-03	6.0E-12	3.2E+01	6.0E-07	1.0E-03	2.0E-08	1.6E-01	5.5E-03	1.7E-11
3.3E+01	1.9E-07	1.0E-03	6.6E-09	1.6E-01	5.5E-03	5.7E-12	4.6E+01	6.0E-07	1.0E-03	2.9E-08	1.6E-01	5.5E-03	2.5E-11
3.0E+01	1.9E-07	1.0E-03	6.1E-09	1.6E-01	5.5E-03	5.2E-12	4.7E+01	6.0E-07	1.0E-03	3.0E-08	1.6E-01	5.5E-03	2.6E-11
2.7E+01	1.9E-07	1.0E-03	5.4E-09	1.6E-01	5.5E-03	4.7E-12	3.5E+01	6.0E-07	1.0E-03	2.2E-08	1.6E-01	5.5E-03	1.9E-11
2.4E+01	1.9E-07	1.0E-03	4.8E-09	1.6E-01	5.5E-03	4.1E-12	2.6E+01	6.0E-07	1.0E-03	1.7E-08	1.6E-01	5.5E-03	1.4E-11
2.1E+01	1.9E-07	1.0E-03	4.2E-09	1.6E-01	5.5E-03	3.6E-12	6.8E+01	6.0E-07	1.0E-03	4.3E-08	1.6E-01	5.5E-03	3.7E-11
1.9E+01	1.9E-07	1.0E-03	3.7E-09	1.6E-01	5.5E-03	3.2E-12	5.2E+01	6.0E-07	1.0E-03	3.2E-08	1.6E-01	5.5E-03	2.8E-11
1.7E+01	1.9E-07	1.0E-03	3.3E-09	1.6E-01	5.5E-03	2.9E-12	4.0E+01	6.0E-07	1.0E-03	2.5E-08	1.6E-01	5.5E-03	2.2E-11
1.5E+01	1.9E-07	1.0E-03	2.9E-09	1.6E-01	5.5E-03	2.5E-12	3.2E+01	6.0E-07	1.0E-03	2.0E-08	1.6E-01	5.5E-03	1.7E-11
1.3E+01	1.9E-07	1.0E-03	2.6E-09	1.6E-01	5.5E-03	2.3E-12	2.6E+01	6.0E-07	1.0E-03	1.6E-08	1.6E-01	5.5E-03	1.4E-11
1.2E+01	1.9E-07	1.0E-03	2.3E-09	1.6E-01	5.5E-03	2.0E-12	2.1E+01	6.0E-07	1.0E-03	1.3E-08	1.6E-01	5.5E-03	1.1E-11

1.0E+01	1.9E-07	1.0E-03	2.1E-09	1.6E-01	5.5E-03	1.8E-12	1.8E+01	6.0E-07	1.0E-03	1.1E-08	1.6E-01	5.5E-03	9.5E-12
9.4E+00	1.9E-07	1.0E-03	1.9E-09	1.6E-01	5.5E-03	1.6E-12	1.5E+01	6.0E-07	1.0E-03	9.4E-09	1.6E-01	5.5E-03	8.1E-12
8.4E+00	1.9E-07	1.0E-03	1.7E-09	1.6E-01	5.5E-03	1.4E-12	1.3E+01	6.0E-07	1.0E-03	8.0E-09	1.6E-01	5.5E-03	6.9E-12
7.6E+00	1.9E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12	1.1E+01	6.0E-07	1.0E-03	6.9E-09	1.6E-01	5.5E-03	5.9E-12
6.9E+00	1.9E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12	9.6E+00	6.0E-07	1.0E-03	6.0E-09	1.6E-01	5.5E-03	5.2E-12
6.2E+00	1.9E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.1E-12	8.4E+00	6.0E-07	1.0E-03	5.3E-09	1.6E-01	5.5E-03	4.5E-12
5.7E+00	1.9E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.7E-13	7.4E+00	6.0E-07	1.0E-03	4.7E-09	1.6E-01	5.5E-03	4.0E-12
5.2E+00	1.9E-07	1.0E-03	1.0E-09	1.6E-01	5.5E-03	8.9E-13	6.6E+00	6.0E-07	1.0E-03	4.2E-09	1.6E-01	5.5E-03	3.6E-12
4.8E+00	1.9E-07	1.0E-03	9.5E-10	1.6E-01	5.5E-03	8.1E-13	5.9E+00	6.0E-07	1.0E-03	3.7E-09	1.6E-01	5.5E-03	3.2E-12
1.8E+01	1.9E-07	1.0E-03	3.5E-09	1.6E-01	5.5E-03	3.0E-12	1.8E+01	6.0E-07	1.0E-03	1.1E-08	1.6E-01	5.5E-03	9.7E-12
2.3E+01	1.9E-07	1.0E-03	4.5E-09	1.6E-01	5.5E-03	3.9E-12	2.5E+01	6.0E-07	1.0E-03	1.6E-08	1.6E-01	5.5E-03	1.3E-11
2.9E+01	1.9E-07	1.0E-03	5.8E-09	1.6E-01	5.5E-03	5.0E-12	3.7E+01	6.0E-07	1.0E-03	2.3E-08	1.6E-01	5.5E-03	2.0E-11
3.8E+01	1.9E-07	1.0E-03	7.6E-09	1.6E-01	5.5E-03	6.5E-12	5.7E+01	6.0E-07	1.0E-03	3.6E-08	1.6E-01	5.5E-03	3.1E-11
4.8E+01	1.9E-07	1.0E-03	9.4E-09	1.6E-01	5.5E-03	8.1E-12	1.8E+01	6.0E-07	1.0E-03	1.1E-08	1.6E-01	5.5E-03	9.7E-12
5.4E+01	1.9E-07	1.0E-03	1.1E-08	1.6E-01	5.5E-03	9.2E-12	2.7E+01	6.0E-07	1.0E-03	1.7E-08	1.6E-01	5.5E-03	1.5E-11
5.3E+01	1.9E-07	1.0E-03	1.1E-08	1.6E-01	5.5E-03	9.1E-12	4.4E+01	6.0E-07	1.0E-03	2.7E-08	1.6E-01	5.5E-03	2.4E-11
4.7E+01	1.9E-07	1.0E-03	9.3E-09	1.6E-01	5.5E-03	8.0E-12	0.0E+00	6.0E-07	1.0E-03	0.0E+00	1.6E-01	5.5E-03	0.0E+00
4.0E+01	1.9E-07	1.0E-03	7.9E-09	1.6E-01	5.5E-03	6.8E-12	0.0E+00	6.0E-07	1.0E-03	0.0E+00	1.6E-01	5.5E-03	0.0E+00
3.4E+01	1.9E-07	1.0E-03	6.7E-09	1.6E-01	5.5E-03	5.8E-12	4.3E+01	6.0E-07	1.0E-03	2.7E-08	1.6E-01	5.5E-03	2.3E-11
2.9E+01	1.9E-07	1.0E-03	5.7E-09	1.6E-01	5.5E-03	4.9E-12	3.0E+01	6.0E-07	1.0E-03	1.9E-08	1.6E-01	5.5E-03	1.6E-11
2.4E+01	1.9E-07	1.0E-03	4.9E-09	1.6E-01	5.5E-03	4.2E-12	2.2E+01	6.0E-07	1.0E-03	1.4E-08	1.6E-01	5.5E-03	1.2E-11
2.1E+01	1.9E-07	1.0E-03	4.2E-09	1.6E-01	5.5E-03	3.6E-12	6.1E+01	6.0E-07	1.0E-03	3.9E-08	1.6E-01	5.5E-03	3.3E-11
1.8E+01	1.9E-07	1.0E-03	3.6E-09	1.6E-01	5.5E-03	3.1E-12	4.4E+01	6.0E-07	1.0E-03	2.8E-08	1.6E-01	5.5E-03	2.4E-11
1.6E+01	1.9E-07	1.0E-03	3.2E-09	1.6E-01	5.5E-03	2.7E-12	3.4E+01	6.0E-07	1.0E-03	2.1E-08	1.6E-01	5.5E-03	1.8E-11
1.4E+01	1.9E-07	1.0E-03	2.8E-09	1.6E-01	5.5E-03	2.4E-12	2.7E+01	6.0E-07	1.0E-03	1.7E-08	1.6E-01	5.5E-03	1.4E-11
1.2E+01	1.9E-07	1.0E-03	2.5E-09	1.6E-01	5.5E-03	2.1E-12	2.2E+01	6.0E-07	1.0E-03	1.4E-08	1.6E-01	5.5E-03	1.2E-11
1.1E+01	1.9E-07	1.0E-03	2.2E-09	1.6E-01	5.5E-03	1.9E-12	1.8E+01	6.0E-07	1.0E-03	1.1E-08	1.6E-01	5.5E-03	9.6E-12
9.7E+00	1.9E-07	1.0E-03	1.9E-09	1.6E-01	5.5E-03	1.7E-12	1.5E+01	6.0E-07	1.0E-03	9.4E-09	1.6E-01	5.5E-03	8.1E-12
8.7E+00	1.9E-07	1.0E-03	1.7E-09	1.6E-01	5.5E-03	1.5E-12	1.3E+01	6.0E-07	1.0E-03	7.9E-09	1.6E-01	5.5E-03	6.8E-12
7.8E+00	1.9E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12	1.1E+01	6.0E-07	1.0E-03	6.8E-09	1.6E-01	5.5E-03	5.9E-12
7.0E+00	1.9E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12	9.4E+00	6.0E-07	1.0E-03	5.9E-09	1.6E-01	5.5E-03	5.1E-12
6.3E+00	1.9E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12	8.2E+00	6.0E-07	1.0E-03	5.2E-09	1.6E-01	5.5E-03	4.5E-12
5.7E+00	1.9E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.8E-13	7.3E+00	6.0E-07	1.0E-03	4.6E-09	1.6E-01	5.5E-03	3.9E-12
5.2E+00	1.9E-07	1.0E-03	1.0E-09	1.6E-01	5.5E-03	8.9E-13	6.5E+00	6.0E-07	1.0E-03	4.1E-09	1.6E-01	5.5E-03	3.5E-12
4.8E+00	1.9E-07	1.0E-03	9.4E-10	1.6E-01	5.5E-03	8.1E-13	5.8E+00	6.0E-07	1.0E-03	3.6E-09	1.6E-01	5.5E-03	3.1E-12
2.1E+01	1.9E-07	1.0E-03	4.2E-09	1.6E-01	5.5E-03	3.7E-12	1.9E+01	6.0E-07	1.0E-03	1.2E-08	1.6E-01	5.5E-03	1.0E-11
2.9E+01	1.9E-07	1.0E-03	5.7E-09	1.6E-01	5.5E-03	4.9E-12	2.7E+01	6.0E-07	1.0E-03	1.7E-08	1.6E-01	5.5E-03	1.5E-11
4.0E+01	1.9E-07	1.0E-03	8.0E-09	1.6E-01	5.5E-03	6.9E-12	4.1E+01	6.0E-07	1.0E-03	2.6E-08	1.6E-01	5.5E-03	2.2E-11
5.7E+01	1.9E-07	1.0E-03	1.1E-08	1.6E-01	5.5E-03	9.8E-12	1.3E+01	6.0E-07	1.0E-03	8.2E-09	1.6E-01	5.5E-03	7.1E-12
2.2E+01	1.9E-07	1.0E-03	4.5E-09	1.6E-01	5.5E-03	3.8E-12	2.0E+01	6.0E-07	1.0E-03	1.2E-08	1.6E-01	5.5E-03	1.1E-11
2.5E+01	1.9E-07	1.0E-03	4.9E-09	1.6E-01	5.5E-03	4.3E-12	3.1E+01	6.0E-07	1.0E-03	2.0E-08	1.6E-01	5.5E-03	1.7E-11
2.6E+01	1.9E-07	1.0E-03	5.1E-09	1.6E-01	5.5E-03	4.4E-12	0.0E+00	6.0E-07	1.0E-03	0.0E+00	1.6E-01	5.5E-03	0.0E+00
6.8E+01	1.9E-07	1.0E-03	1.4E-08	1.6E-01	5.5E-03	1.2E-11	0.0E+00	6.0E-07	1.0E-03	0.0E+00	1.6E-01	5.5E-03	0.0E+00
5.2E+01	1.9E-07	1.0E-03	1.0E-08	1.6E-01	5.5E-03	8.9E-12	0.0E+00	6.0E-07	1.0E-03	0.0E+00	1.6E-01	5.5E-03	0.0E+00
4.1E+01	1.9E-07	1.0E-03	8.1E-09	1.6E-01	5.5E-03	7.0E-12	5.0E+01	6.0E-07	1.0E-03	3.1E-08	1.6E-01	5.5E-03	2.7E-11
3.3E+01	1.9E-07	1.0E-03	6.6E-09	1.6E-01	5.5E-03	5.7E-12	3.2E+01	6.0E-07	1.0E-03	2.0E-08	1.6E-01	5.5E-03	1.7E-11

2.8E+01	1.9E-07	1.0E-03	5.5E-09	1.6E-01	5.5E-03	4.7E-12	2.3E+01	6.0E-07	1.0E-03	1.4E-08	1.6E-01	5.5E-03	1.2E-11
2.3E+01	1.9E-07	1.0E-03	4.6E-09	1.6E-01	5.5E-03	4.0E-12	6.8E+01	6.0E-07	1.0E-03	4.3E-08	1.6E-01	5.5E-03	3.7E-11
2.0E+01	1.9E-07	1.0E-03	3.9E-09	1.6E-01	5.5E-03	3.4E-12	4.6E+01	6.0E-07	1.0E-03	2.9E-08	1.6E-01	5.5E-03	2.5E-11
1.7E+01	1.9E-07	1.0E-03	3.4E-09	1.6E-01	5.5E-03	2.9E-12	3.4E+01	6.0E-07	1.0E-03	2.2E-08	1.6E-01	5.5E-03	1.9E-11
1.5E+01	1.9E-07	1.0E-03	2.9E-09	1.6E-01	5.5E-03	2.5E-12	2.7E+01	6.0E-07	1.0E-03	1.7E-08	1.6E-01	5.5E-03	1.4E-11
1.3E+01	1.9E-07	1.0E-03	2.6E-09	1.6E-01	5.5E-03	2.2E-12	2.1E+01	6.0E-07	1.0E-03	1.3E-08	1.6E-01	5.5E-03	1.2E-11
1.1E+01	1.9E-07	1.0E-03	2.2E-09	1.6E-01	5.5E-03	1.9E-12	1.8E+01	6.0E-07	1.0E-03	1.1E-08	1.6E-01	5.5E-03	9.5E-12
9.9E+00	1.9E-07	1.0E-03	2.0E-09	1.6E-01	5.5E-03	1.7E-12	1.5E+01	6.0E-07	1.0E-03	9.2E-09	1.6E-01	5.5E-03	7.9E-12
8.8E+00	1.9E-07	1.0E-03	1.7E-09	1.6E-01	5.5E-03	1.5E-12	1.2E+01	6.0E-07	1.0E-03	7.8E-09	1.6E-01	5.5E-03	6.7E-12
7.8E+00	1.9E-07	1.0E-03	1.6E-09	1.6E-01	5.5E-03	1.3E-12	1.1E+01	6.0E-07	1.0E-03	6.6E-09	1.6E-01	5.5E-03	5.7E-12
7.0E+00	1.9E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12	9.2E+00	6.0E-07	1.0E-03	5.7E-09	1.6E-01	5.5E-03	4.9E-12
6.3E+00	1.9E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12	8.0E+00	6.0E-07	1.0E-03	5.0E-09	1.6E-01	5.5E-03	4.3E-12
5.7E+00	1.9E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.8E-13	7.0E+00	6.0E-07	1.0E-03	4.4E-09	1.6E-01	5.5E-03	3.8E-12
5.2E+00	1.9E-07	1.0E-03	1.0E-09	1.6E-01	5.5E-03	8.9E-13	6.3E+00	6.0E-07	1.0E-03	3.9E-09	1.6E-01	5.5E-03	3.4E-12
4.7E+00	1.9E-07	1.0E-03	9.4E-10	1.6E-01	5.5E-03	8.1E-13	5.6E+00	6.0E-07	1.0E-03	3.5E-09	1.6E-01	5.5E-03	3.0E-12
2.5E+01	1.9E-07	1.0E-03	5.0E-09	1.6E-01	5.5E-03	4.3E-12	1.9E+01	6.0E-07	1.0E-03	1.2E-08	1.6E-01	5.5E-03	1.0E-11
3.6E+01	1.9E-07	1.0E-03	7.1E-09	1.6E-01	5.5E-03	6.1E-12	2.7E+01	6.0E-07	1.0E-03	1.7E-08	1.6E-01	5.5E-03	1.5E-11
5.3E+01	1.9E-07	1.0E-03	1.1E-08	1.6E-01	5.5E-03	9.1E-12	4.2E+01	6.0E-07	1.0E-03	2.6E-08	1.6E-01	5.5E-03	2.3E-11
2.8E+01	1.9E-07	1.0E-03	5.5E-09	1.6E-01	5.5E-03	4.8E-12	1.3E+01	6.0E-07	1.0E-03	8.3E-09	1.6E-01	5.5E-03	7.2E-12
3.4E+01	1.9E-07	1.0E-03	6.8E-09	1.6E-01	5.5E-03	5.8E-12	2.0E+01	6.0E-07	1.0E-03	1.2E-08	1.6E-01	5.5E-03	1.1E-11
1.3E+01	1.9E-07	1.0E-03	2.6E-09	1.6E-01	5.5E-03	2.2E-12	2.1E+01	6.0E-07	1.0E-03	1.3E-08	1.6E-01	5.5E-03	1.1E-11
1.1E+01	1.9E-07	1.0E-03	2.3E-09	1.6E-01	5.5E-03	2.0E-12	1.7E+01	6.0E-07	1.0E-03	1.1E-08	1.6E-01	5.5E-03	9.1E-12
1.0E+01	1.9E-07	1.0E-03	2.0E-09	1.6E-01	5.5E-03	1.7E-12	1.4E+01	6.0E-07	1.0E-03	8.8E-09	1.6E-01	5.5E-03	7.6E-12
8.8E+00	1.9E-07	1.0E-03	1.8E-09	1.6E-01	5.5E-03	1.5E-12	1.2E+01	6.0E-07	1.0E-03	7.4E-09	1.6E-01	5.5E-03	6.4E-12
7.8E+00	1.9E-07	1.0E-03	1.6E-09	1.6E-01	5.5E-03	1.3E-12	1.0E+01	6.0E-07	1.0E-03	6.4E-09	1.6E-01	5.5E-03	5.5E-12
7.0E+00	1.9E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12	8.8E+00	6.0E-07	1.0E-03	5.5E-09	1.6E-01	5.5E-03	4.7E-12
6.3E+00	1.9E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.1E-12	7.7E+00	6.0E-07	1.0E-03	4.8E-09	1.6E-01	5.5E-03	4.1E-12
5.6E+00	1.9E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.7E-13	6.8E+00	6.0E-07	1.0E-03	4.2E-09	1.6E-01	5.5E-03	3.7E-12
5.1E+00	1.9E-07	1.0E-03	1.0E-09	1.6E-01	5.5E-03	8.7E-13	6.0E+00	6.0E-07	1.0E-03	3.8E-09	1.6E-01	5.5E-03	3.2E-12
4.6E+00	1.9E-07	1.0E-03	9.2E-10	1.6E-01	5.5E-03	7.9E-13	5.4E+00	6.0E-07	1.0E-03	3.4E-09	1.6E-01	5.5E-03	2.9E-12
2.9E+01	1.9E-07	1.0E-03	5.7E-09	1.6E-01	5.5E-03	4.9E-12	1.8E+01	6.0E-07	1.0E-03	1.1E-08	1.6E-01	5.5E-03	9.8E-12
4.2E+01	1.9E-07	1.0E-03	8.3E-09	1.6E-01	5.5E-03	7.1E-12	2.6E+01	6.0E-07	1.0E-03	1.6E-08	1.6E-01	5.5E-03	1.4E-11
6.4E+01	1.9E-07	1.0E-03	1.3E-08	1.6E-01	5.5E-03	1.1E-11	3.8E+01	6.0E-07	1.0E-03	2.4E-08	1.6E-01	5.5E-03	2.0E-11
4.2E+01	1.9E-07	1.0E-03	8.4E-09	1.6E-01	5.5E-03	7.2E-12	1.2E+01	6.0E-07	1.0E-03	7.8E-09	1.6E-01	5.5E-03	6.7E-12
5.7E+01	1.9E-07	1.0E-03	1.1E-08	1.6E-01	5.5E-03	9.8E-12	1.8E+01	6.0E-07	1.0E-03	1.2E-08	1.6E-01	5.5E-03	9.9E-12
1.3E+01	1.9E-07	1.0E-03	2.6E-09	1.6E-01	5.5E-03	2.3E-12	1.9E+01	6.0E-07	1.0E-03	1.2E-08	1.6E-01	5.5E-03	1.0E-11
1.1E+01	1.9E-07	1.0E-03	2.3E-09	1.6E-01	5.5E-03	2.0E-12	1.6E+01	6.0E-07	1.0E-03	9.9E-09	1.6E-01	5.5E-03	8.5E-12
1.0E+01	1.9E-07	1.0E-03	2.0E-09	1.6E-01	5.5E-03	1.7E-12	1.3E+01	6.0E-07	1.0E-03	8.3E-09	1.6E-01	5.5E-03	7.1E-12
8.8E+00	1.9E-07	1.0E-03	1.7E-09	1.6E-01	5.5E-03	1.5E-12	1.1E+01	6.0E-07	1.0E-03	7.0E-09	1.6E-01	5.5E-03	6.0E-12
7.7E+00	1.9E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12	9.6E+00	6.0E-07	1.0E-03	6.0E-09	1.6E-01	5.5E-03	5.2E-12
6.9E+00	1.9E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12	8.3E+00	6.0E-07	1.0E-03	5.2E-09	1.6E-01	5.5E-03	4.5E-12
6.1E+00	1.9E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.1E-12	7.3E+00	6.0E-07	1.0E-03	4.6E-09	1.6E-01	5.5E-03	3.9E-12
5.5E+00	1.9E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.5E-13	6.4E+00	6.0E-07	1.0E-03	4.0E-09	1.6E-01	5.5E-03	3.5E-12
5.0E+00	1.9E-07	1.0E-03	9.9E-10	1.6E-01	5.5E-03	8.6E-13	5.7E+00	6.0E-07	1.0E-03	3.6E-09	1.6E-01	5.5E-03	3.1E-12
4.5E+00	1.9E-07	1.0E-03	9.0E-10	1.6E-01	5.5E-03	7.8E-13	5.1E+00	6.0E-07	1.0E-03	3.2E-09	1.6E-01	5.5E-03	2.8E-12
3.1E+01	1.9E-07	1.0E-03	6.2E-09	1.6E-01	5.5E-03	5.3E-12	1.6E+01	6.0E-07	1.0E-03	1.0E-08	1.6E-01	5.5E-03	8.9E-12

4.5E+01	1.9E-07	1.0E-03	9.0E-09	1.6E-01	5.5E-03	7.8E-12	2.2E+01	6.0E-07	1.0E-03	1.4E-08	1.6E-01	5.5E-03	1.2E-11
7.1E+01	1.9E-07	1.0E-03	1.4E-08	1.6E-01	5.5E-03	1.2E-11	3.1E+01	6.0E-07	1.0E-03	1.9E-08	1.6E-01	5.5E-03	1.7E-11
1.7E+01	1.9E-07	1.0E-03	3.3E-09	1.6E-01	5.5E-03	2.8E-12	4.5E+01	6.0E-07	1.0E-03	2.8E-08	1.6E-01	5.5E-03	2.4E-11
2.0E+01	1.9E-07	1.0E-03	4.0E-09	1.6E-01	5.5E-03	3.5E-12	1.5E+01	6.0E-07	1.0E-03	9.6E-09	1.6E-01	5.5E-03	8.3E-12
1.3E+01	1.9E-07	1.0E-03	2.6E-09	1.6E-01	5.5E-03	2.2E-12	1.7E+01	6.0E-07	1.0E-03	1.1E-08	1.6E-01	5.5E-03	9.3E-12
1.1E+01	1.9E-07	1.0E-03	2.2E-09	1.6E-01	5.5E-03	1.9E-12	1.4E+01	6.0E-07	1.0E-03	9.0E-09	1.6E-01	5.5E-03	7.8E-12
9.8E+00	1.9E-07	1.0E-03	2.0E-09	1.6E-01	5.5E-03	1.7E-12	1.2E+01	6.0E-07	1.0E-03	7.6E-09	1.6E-01	5.5E-03	6.6E-12
8.6E+00	1.9E-07	1.0E-03	1.7E-09	1.6E-01	5.5E-03	1.5E-12	1.0E+01	6.0E-07	1.0E-03	6.5E-09	1.6E-01	5.5E-03	5.6E-12
7.6E+00	1.9E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12	9.0E+00	6.0E-07	1.0E-03	5.6E-09	1.6E-01	5.5E-03	4.8E-12
6.7E+00	1.9E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.2E-12	7.8E+00	6.0E-07	1.0E-03	4.9E-09	1.6E-01	5.5E-03	4.2E-12
6.0E+00	1.9E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.0E-12	6.9E+00	6.0E-07	1.0E-03	4.3E-09	1.6E-01	5.5E-03	3.7E-12
5.4E+00	1.9E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.2E-13	6.1E+00	6.0E-07	1.0E-03	3.8E-09	1.6E-01	5.5E-03	3.3E-12
4.9E+00	1.9E-07	1.0E-03	9.6E-10	1.6E-01	5.5E-03	8.3E-13	5.4E+00	6.0E-07	1.0E-03	3.4E-09	1.6E-01	5.5E-03	2.9E-12
4.4E+00	1.9E-07	1.0E-03	8.8E-10	1.6E-01	5.5E-03	7.5E-13	4.9E+00	6.0E-07	1.0E-03	3.0E-09	1.6E-01	5.5E-03	2.6E-12
3.2E+01	1.9E-07	1.0E-03	6.4E-09	1.6E-01	5.5E-03	5.5E-12	1.5E+01	6.0E-07	1.0E-03	9.1E-09	1.6E-01	5.5E-03	7.9E-12
4.7E+01	1.9E-07	1.0E-03	9.4E-09	1.6E-01	5.5E-03	8.1E-12	1.9E+01	6.0E-07	1.0E-03	1.2E-08	1.6E-01	5.5E-03	1.0E-11
7.5E+01	1.9E-07	1.0E-03	1.5E-08	1.6E-01	5.5E-03	1.3E-11	2.5E+01	6.0E-07	1.0E-03	1.6E-08	1.6E-01	5.5E-03	1.3E-11
6.2E+01	1.9E-07	1.0E-03	1.2E-08	1.6E-01	5.5E-03	1.1E-11	3.3E+01	6.0E-07	1.0E-03	2.1E-08	1.6E-01	5.5E-03	1.8E-11
3.4E+01	1.9E-07	1.0E-03	6.7E-09	1.6E-01	5.5E-03	5.8E-12	4.4E+01	6.0E-07	1.0E-03	2.7E-08	1.6E-01	5.5E-03	2.4E-11
1.3E+01	1.9E-07	1.0E-03	2.5E-09	1.6E-01	5.5E-03	2.2E-12	1.5E+01	6.0E-07	1.0E-03	9.6E-09	1.6E-01	5.5E-03	8.3E-12
1.1E+01	1.9E-07	1.0E-03	2.2E-09	1.6E-01	5.5E-03	1.9E-12	1.3E+01	6.0E-07	1.0E-03	8.1E-09	1.6E-01	5.5E-03	7.0E-12
9.5E+00	1.9E-07	1.0E-03	1.9E-09	1.6E-01	5.5E-03	1.6E-12	1.1E+01	6.0E-07	1.0E-03	7.0E-09	1.6E-01	5.5E-03	6.0E-12
8.3E+00	1.9E-07	1.0E-03	1.7E-09	1.6E-01	5.5E-03	1.4E-12	9.6E+00	6.0E-07	1.0E-03	6.0E-09	1.6E-01	5.5E-03	5.2E-12
7.3E+00	1.9E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12	8.3E+00	6.0E-07	1.0E-03	5.2E-09	1.6E-01	5.5E-03	4.5E-12
6.5E+00	1.9E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12	7.3E+00	6.0E-07	1.0E-03	4.6E-09	1.6E-01	5.5E-03	3.9E-12
5.8E+00	1.9E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	9.9E-13	6.4E+00	6.0E-07	1.0E-03	4.0E-09	1.6E-01	5.5E-03	3.5E-12
5.2E+00	1.9E-07	1.0E-03	1.0E-09	1.6E-01	5.5E-03	8.9E-13	5.7E+00	6.0E-07	1.0E-03	3.6E-09	1.6E-01	5.5E-03	3.1E-12
4.7E+00	1.9E-07	1.0E-03	9.3E-10	1.6E-01	5.5E-03	8.0E-13	5.1E+00	6.0E-07	1.0E-03	3.2E-09	1.6E-01	5.5E-03	2.8E-12
4.3E+00	1.9E-07	1.0E-03	8.5E-10	1.6E-01	5.5E-03	7.3E-13	4.6E+00	6.0E-07	1.0E-03	2.9E-09	1.6E-01	5.5E-03	2.5E-12
3.2E+01	1.9E-07	1.0E-03	6.3E-09	1.6E-01	5.5E-03	5.5E-12	1.3E+01	6.0E-07	1.0E-03	7.9E-09	1.6E-01	5.5E-03	6.8E-12
4.7E+01	1.9E-07	1.0E-03	9.4E-09	1.6E-01	5.5E-03	8.1E-12	1.6E+01	6.0E-07	1.0E-03	9.8E-09	1.6E-01	5.5E-03	8.4E-12
7.4E+01	1.9E-07	1.0E-03	1.5E-08	1.6E-01	5.5E-03	1.3E-11	2.0E+01	6.0E-07	1.0E-03	1.2E-08	1.6E-01	5.5E-03	1.1E-11
6.2E+01	1.9E-07	1.0E-03	1.2E-08	1.6E-01	5.5E-03	1.1E-11	2.4E+01	6.0E-07	1.0E-03	1.5E-08	1.6E-01	5.5E-03	1.3E-11
3.0E+01	1.9E-07	1.0E-03	5.9E-09	1.6E-01	5.5E-03	5.1E-12	3.0E+01	6.0E-07	1.0E-03	1.9E-08	1.6E-01	5.5E-03	1.6E-11
1.2E+01	1.9E-07	1.0E-03	2.4E-09	1.6E-01	5.5E-03	2.1E-12	1.3E+01	6.0E-07	1.0E-03	8.4E-09	1.6E-01	5.5E-03	7.3E-12
1.1E+01	1.9E-07	1.0E-03	2.1E-09	1.6E-01	5.5E-03	1.8E-12	1.2E+01	6.0E-07	1.0E-03	7.3E-09	1.6E-01	5.5E-03	6.3E-12
9.1E+00	1.9E-07	1.0E-03	1.8E-09	1.6E-01	5.5E-03	1.6E-12	1.0E+01	6.0E-07	1.0E-03	6.3E-09	1.6E-01	5.5E-03	5.4E-12
8.0E+00	1.9E-07	1.0E-03	1.6E-09	1.6E-01	5.5E-03	1.4E-12	8.7E+00	6.0E-07	1.0E-03	5.5E-09	1.6E-01	5.5E-03	4.7E-12
7.0E+00	1.9E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12	7.7E+00	6.0E-07	1.0E-03	4.8E-09	1.6E-01	5.5E-03	4.1E-12
6.2E+00	1.9E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.1E-12	6.8E+00	6.0E-07	1.0E-03	4.2E-09	1.6E-01	5.5E-03	3.6E-12
5.6E+00	1.9E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.6E-13	6.0E+00	6.0E-07	1.0E-03	3.8E-09	1.6E-01	5.5E-03	3.2E-12
5.0E+00	1.9E-07	1.0E-03	9.9E-10	1.6E-01	5.5E-03	8.6E-13	5.3E+00	6.0E-07	1.0E-03	3.4E-09	1.6E-01	5.5E-03	2.9E-12
4.5E+00	1.9E-07	1.0E-03	9.0E-10	1.6E-01	5.5E-03	7.7E-13	4.8E+00	6.0E-07	1.0E-03	3.0E-09	1.6E-01	5.5E-03	2.6E-12
4.1E+00	1.9E-07	1.0E-03	8.1E-10	1.6E-01	5.5E-03	7.0E-13	4.3E+00	6.0E-07	1.0E-03	2.7E-09	1.6E-01	5.5E-03	2.3E-12
3.0E+01	1.9E-07	1.0E-03	6.0E-09	1.6E-01	5.5E-03	5.2E-12	1.1E+01	6.0E-07	1.0E-03	6.7E-09	1.6E-01	5.5E-03	5.8E-12
4.5E+01	1.9E-07	1.0E-03	8.9E-09	1.6E-01	5.5E-03	7.6E-12	1.3E+01	6.0E-07	1.0E-03	8.1E-09	1.6E-01	5.5E-03	7.0E-12

7.0E+01	1.9E-07	1.0E-03	1.4E-08	1.6E-01	5.5E-03	1.2E-11	1.6E+01	6.0E-07	1.0E-03	9.9E-09	1.6E-01	5.5E-03	8.5E-12
1.5E+01	1.9E-07	1.0E-03	3.0E-09	1.6E-01	5.5E-03	2.6E-12	1.9E+01	6.0E-07	1.0E-03	1.2E-08	1.6E-01	5.5E-03	1.0E-11
1.8E+01	1.9E-07	1.0E-03	3.5E-09	1.6E-01	5.5E-03	3.0E-12	2.2E+01	6.0E-07	1.0E-03	1.4E-08	1.6E-01	5.5E-03	1.2E-11
1.2E+01	1.9E-07	1.0E-03	2.3E-09	1.6E-01	5.5E-03	2.0E-12	1.2E+01	6.0E-07	1.0E-03	7.4E-09	1.6E-01	5.5E-03	6.4E-12
1.0E+01	1.9E-07	1.0E-03	2.0E-09	1.6E-01	5.5E-03	1.7E-12	1.0E+01	6.0E-07	1.0E-03	6.5E-09	1.6E-01	5.5E-03	5.6E-12
8.7E+00	1.9E-07	1.0E-03	1.7E-09	1.6E-01	5.5E-03	1.5E-12	9.0E+00	6.0E-07	1.0E-03	5.7E-09	1.6E-01	5.5E-03	4.9E-12
7.6E+00	1.9E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12	7.9E+00	6.0E-07	1.0E-03	5.0E-09	1.6E-01	5.5E-03	4.3E-12
6.7E+00	1.9E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12	7.0E+00	6.0E-07	1.0E-03	4.4E-09	1.6E-01	5.5E-03	3.8E-12
6.0E+00	1.9E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.0E-12	6.2E+00	6.0E-07	1.0E-03	3.9E-09	1.6E-01	5.5E-03	3.4E-12
5.3E+00	1.9E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.1E-13	5.6E+00	6.0E-07	1.0E-03	3.5E-09	1.6E-01	5.5E-03	3.0E-12
4.8E+00	1.9E-07	1.0E-03	9.5E-10	1.6E-01	5.5E-03	8.2E-13	5.0E+00	6.0E-07	1.0E-03	3.1E-09	1.6E-01	5.5E-03	2.7E-12
4.3E+00	1.9E-07	1.0E-03	8.6E-10	1.6E-01	5.5E-03	7.4E-13	4.5E+00	6.0E-07	1.0E-03	2.8E-09	1.6E-01	5.5E-03	2.4E-12
3.9E+00	1.9E-07	1.0E-03	7.8E-10	1.6E-01	5.5E-03	6.7E-13	4.1E+00	6.0E-07	1.0E-03	2.6E-09	1.6E-01	5.5E-03	2.2E-12
2.8E+01	1.9E-07	1.0E-03	5.5E-09	1.6E-01	5.5E-03	4.7E-12	9.1E+00	6.0E-07	1.0E-03	5.7E-09	1.6E-01	5.5E-03	4.9E-12
4.0E+01	1.9E-07	1.0E-03	7.9E-09	1.6E-01	5.5E-03	6.8E-12	1.1E+01	6.0E-07	1.0E-03	6.7E-09	1.6E-01	5.5E-03	5.8E-12
6.1E+01	1.9E-07	1.0E-03	1.2E-08	1.6E-01	5.5E-03	1.0E-11	1.3E+01	6.0E-07	1.0E-03	7.9E-09	1.6E-01	5.5E-03	6.8E-12
3.9E+01	1.9E-07	1.0E-03	7.7E-09	1.6E-01	5.5E-03	6.6E-12	1.5E+01	6.0E-07	1.0E-03	9.3E-09	1.6E-01	5.5E-03	8.0E-12
5.0E+01	1.9E-07	1.0E-03	1.0E-08	1.6E-01	5.5E-03	8.6E-12	1.7E+01	6.0E-07	1.0E-03	1.1E-08	1.6E-01	5.5E-03	9.3E-12
1.1E+01	1.9E-07	1.0E-03	2.1E-09	1.6E-01	5.5E-03	1.8E-12	1.0E+01	6.0E-07	1.0E-03	6.5E-09	1.6E-01	5.5E-03	5.6E-12
9.3E+00	1.9E-07	1.0E-03	1.9E-09	1.6E-01	5.5E-03	1.6E-12	9.1E+00	6.0E-07	1.0E-03	5.7E-09	1.6E-01	5.5E-03	4.9E-12
8.2E+00	1.9E-07	1.0E-03	1.6E-09	1.6E-01	5.5E-03	1.4E-12	8.1E+00	6.0E-07	1.0E-03	5.1E-09	1.6E-01	5.5E-03	4.4E-12
7.2E+00	1.9E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12	7.2E+00	6.0E-07	1.0E-03	4.5E-09	1.6E-01	5.5E-03	3.9E-12
6.3E+00	1.9E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12	6.4E+00	6.0E-07	1.0E-03	4.0E-09	1.6E-01	5.5E-03	3.5E-12
5.7E+00	1.9E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.7E-13	5.8E+00	6.0E-07	1.0E-03	3.6E-09	1.6E-01	5.5E-03	3.1E-12
5.1E+00	1.9E-07	1.0E-03	1.0E-09	1.6E-01	5.5E-03	8.7E-13	5.2E+00	6.0E-07	1.0E-03	3.3E-09	1.6E-01	5.5E-03	2.8E-12
4.6E+00	1.9E-07	1.0E-03	9.1E-10	1.6E-01	5.5E-03	7.8E-13	4.7E+00	6.0E-07	1.0E-03	2.9E-09	1.6E-01	5.5E-03	2.5E-12
4.1E+00	1.9E-07	1.0E-03	8.2E-10	1.6E-01	5.5E-03	7.1E-13	4.2E+00	6.0E-07	1.0E-03	2.7E-09	1.6E-01	5.5E-03	2.3E-12
3.7E+00	1.9E-07	1.0E-03	7.4E-10	1.6E-01	5.5E-03	6.4E-13	3.9E+00	6.0E-07	1.0E-03	2.4E-09	1.6E-01	5.5E-03	2.1E-12
2.4E+01	1.9E-07	1.0E-03	4.8E-09	1.6E-01	5.5E-03	4.1E-12	7.8E+00	6.0E-07	1.0E-03	4.9E-09	1.6E-01	5.5E-03	4.2E-12
3.4E+01	1.9E-07	1.0E-03	6.7E-09	1.6E-01	5.5E-03	5.8E-12	9.0E+00	6.0E-07	1.0E-03	5.6E-09	1.6E-01	5.5E-03	4.9E-12
5.0E+01	1.9E-07	1.0E-03	9.8E-09	1.6E-01	5.5E-03	8.5E-12	1.0E+01	6.0E-07	1.0E-03	6.5E-09	1.6E-01	5.5E-03	5.6E-12
2.6E+01	1.9E-07	1.0E-03	5.1E-09	1.6E-01	5.5E-03	4.4E-12	1.2E+01	6.0E-07	1.0E-03	7.5E-09	1.6E-01	5.5E-03	6.5E-12
3.1E+01	1.9E-07	1.0E-03	6.1E-09	1.6E-01	5.5E-03	5.2E-12	1.4E+01	6.0E-07	1.0E-03	8.6E-09	1.6E-01	5.5E-03	7.4E-12
9.9E+00	1.9E-07	1.0E-03	2.0E-09	1.6E-01	5.5E-03	1.7E-12	9.1E+00	6.0E-07	1.0E-03	5.7E-09	1.6E-01	5.5E-03	4.9E-12
8.7E+00	1.9E-07	1.0E-03	1.7E-09	1.6E-01	5.5E-03	1.5E-12	8.1E+00	6.0E-07	1.0E-03	5.1E-09	1.6E-01	5.5E-03	4.4E-12
7.6E+00	1.9E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12	7.3E+00	6.0E-07	1.0E-03	4.6E-09	1.6E-01	5.5E-03	3.9E-12
6.7E+00	1.9E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.2E-12	6.6E+00	6.0E-07	1.0E-03	4.1E-09	1.6E-01	5.5E-03	3.5E-12
6.0E+00	1.9E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.0E-12	5.9E+00	6.0E-07	1.0E-03	3.7E-09	1.6E-01	5.5E-03	3.2E-12
5.3E+00	1.9E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.1E-13	5.3E+00	6.0E-07	1.0E-03	3.4E-09	1.6E-01	5.5E-03	2.9E-12
4.8E+00	1.9E-07	1.0E-03	9.5E-10	1.6E-01	5.5E-03	8.2E-13	4.8E+00	6.0E-07	1.0E-03	3.0E-09	1.6E-01	5.5E-03	2.6E-12
4.3E+00	1.9E-07	1.0E-03	8.6E-10	1.6E-01	5.5E-03	7.4E-13	4.4E+00	6.0E-07	1.0E-03	2.8E-09	1.6E-01	5.5E-03	2.4E-12
3.9E+00	1.9E-07	1.0E-03	7.8E-10	1.6E-01	5.5E-03	6.7E-13	4.0E+00	6.0E-07	1.0E-03	2.5E-09	1.6E-01	5.5E-03	2.2E-12
3.6E+00	1.9E-07	1.0E-03	7.1E-10	1.6E-01	5.5E-03	6.1E-13	3.6E+00	6.0E-07	1.0E-03	2.3E-09	1.6E-01	5.5E-03	2.0E-12
2.0E+01	1.9E-07	1.0E-03	4.1E-09	1.6E-01	5.5E-03	3.5E-12	6.7E+00	6.0E-07	1.0E-03	4.2E-09	1.6E-01	5.5E-03	3.6E-12
2.7E+01	1.9E-07	1.0E-03	5.4E-09	1.6E-01	5.5E-03	4.7E-12	7.7E+00	6.0E-07	1.0E-03	4.8E-09	1.6E-01	5.5E-03	4.2E-12
3.8E+01	1.9E-07	1.0E-03	7.5E-09	1.6E-01	5.5E-03	6.5E-12	8.8E+00	6.0E-07	1.0E-03	5.5E-09	1.6E-01	5.5E-03	4.7E-12

5.3E+01	1.9E-07	1.0E-03	1.1E-08	1.6E-01	5.5E-03	9.1E-12	1.0E+01	6.0E-07	1.0E-03	6.3E-09	1.6E-01	5.5E-03	5.4E-12
2.0E+01	1.9E-07	1.0E-03	4.1E-09	1.6E-01	5.5E-03	3.5E-12	1.1E+01	6.0E-07	1.0E-03	7.0E-09	1.6E-01	5.5E-03	6.0E-12
9.1E+00	1.9E-07	1.0E-03	1.8E-09	1.6E-01	5.5E-03	1.6E-12	8.0E+00	6.0E-07	1.0E-03	5.0E-09	1.6E-01	5.5E-03	4.3E-12
8.0E+00	1.9E-07	1.0E-03	1.6E-09	1.6E-01	5.5E-03	1.4E-12	7.3E+00	6.0E-07	1.0E-03	4.6E-09	1.6E-01	5.5E-03	3.9E-12
7.1E+00	1.9E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12	6.6E+00	6.0E-07	1.0E-03	4.1E-09	1.6E-01	5.5E-03	3.6E-12
6.3E+00	1.9E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.1E-12	6.0E+00	6.0E-07	1.0E-03	3.8E-09	1.6E-01	5.5E-03	3.2E-12
5.6E+00	1.9E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.6E-13	5.4E+00	6.0E-07	1.0E-03	3.4E-09	1.6E-01	5.5E-03	2.9E-12
5.0E+00	1.9E-07	1.0E-03	1.0E-09	1.6E-01	5.5E-03	8.6E-13	4.9E+00	6.0E-07	1.0E-03	3.1E-09	1.6E-01	5.5E-03	2.7E-12
4.5E+00	1.9E-07	1.0E-03	9.0E-10	1.6E-01	5.5E-03	7.8E-13	4.5E+00	6.0E-07	1.0E-03	2.8E-09	1.6E-01	5.5E-03	2.4E-12
4.1E+00	1.9E-07	1.0E-03	8.2E-10	1.6E-01	5.5E-03	7.0E-13	4.1E+00	6.0E-07	1.0E-03	2.6E-09	1.6E-01	5.5E-03	2.2E-12
3.7E+00	1.9E-07	1.0E-03	7.4E-10	1.6E-01	5.5E-03	6.4E-13	3.8E+00	6.0E-07	1.0E-03	2.4E-09	1.6E-01	5.5E-03	2.0E-12
3.4E+00	1.9E-07	1.0E-03	6.8E-10	1.6E-01	5.5E-03	5.8E-13	3.4E+00	6.0E-07	1.0E-03	2.2E-09	1.6E-01	5.5E-03	1.9E-12
1.7E+01	1.9E-07	1.0E-03	3.4E-09	1.6E-01	5.5E-03	2.9E-12	5.9E+00	6.0E-07	1.0E-03	3.7E-09	1.6E-01	5.5E-03	3.2E-12
2.2E+01	1.9E-07	1.0E-03	4.3E-09	1.6E-01	5.5E-03	3.7E-12	6.6E+00	6.0E-07	1.0E-03	4.1E-09	1.6E-01	5.5E-03	3.6E-12
2.8E+01	1.9E-07	1.0E-03	5.5E-09	1.6E-01	5.5E-03	4.7E-12	7.4E+00	6.0E-07	1.0E-03	4.6E-09	1.6E-01	5.5E-03	4.0E-12
3.6E+01	1.9E-07	1.0E-03	7.1E-09	1.6E-01	5.5E-03	6.1E-12	8.3E+00	6.0E-07	1.0E-03	5.2E-09	1.6E-01	5.5E-03	4.5E-12
4.3E+01	1.9E-07	1.0E-03	8.4E-09	1.6E-01	5.5E-03	7.3E-12	9.2E+00	6.0E-07	1.0E-03	5.8E-09	1.6E-01	5.5E-03	5.0E-12
8.3E+00	1.9E-07	1.0E-03	1.7E-09	1.6E-01	5.5E-03	1.4E-12	7.1E+00	6.0E-07	1.0E-03	4.5E-09	1.6E-01	5.5E-03	3.9E-12
7.4E+00	1.9E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12	6.6E+00	6.0E-07	1.0E-03	4.1E-09	1.6E-01	5.5E-03	3.5E-12
6.5E+00	1.9E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12	6.0E+00	6.0E-07	1.0E-03	3.8E-09	1.6E-01	5.5E-03	3.2E-12
5.8E+00	1.9E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.0E-12	5.5E+00	6.0E-07	1.0E-03	3.4E-09	1.6E-01	5.5E-03	3.0E-12
5.2E+00	1.9E-07	1.0E-03	1.0E-09	1.6E-01	5.5E-03	9.0E-13	5.0E+00	6.0E-07	1.0E-03	3.1E-09	1.6E-01	5.5E-03	2.7E-12
4.7E+00	1.9E-07	1.0E-03	9.4E-10	1.6E-01	5.5E-03	8.1E-13	4.6E+00	6.0E-07	1.0E-03	2.9E-09	1.6E-01	5.5E-03	2.5E-12
4.3E+00	1.9E-07	1.0E-03	8.5E-10	1.6E-01	5.5E-03	7.3E-13	4.2E+00	6.0E-07	1.0E-03	2.6E-09	1.6E-01	5.5E-03	2.3E-12
3.9E+00	1.9E-07	1.0E-03	7.7E-10	1.6E-01	5.5E-03	6.6E-13	3.8E+00	6.0E-07	1.0E-03	2.4E-09	1.6E-01	5.5E-03	2.1E-12
3.5E+00	1.9E-07	1.0E-03	7.0E-10	1.6E-01	5.5E-03	6.1E-13	3.5E+00	6.0E-07	1.0E-03	2.2E-09	1.6E-01	5.5E-03	1.9E-12
3.2E+00	1.9E-07	1.0E-03	6.4E-10	1.6E-01	5.5E-03	5.5E-13	3.2E+00	6.0E-07	1.0E-03	2.0E-09	1.6E-01	5.5E-03	1.7E-12
1.4E+01	1.9E-07	1.0E-03	2.8E-09	1.6E-01	5.5E-03	2.4E-12	5.2E+00	6.0E-07	1.0E-03	3.2E-09	1.6E-01	5.5E-03	2.8E-12
1.7E+01	1.9E-07	1.0E-03	3.4E-09	1.6E-01	5.5E-03	2.9E-12	5.8E+00	6.0E-07	1.0E-03	3.6E-09	1.6E-01	5.5E-03	3.1E-12
2.1E+01	1.9E-07	1.0E-03	4.2E-09	1.6E-01	5.5E-03	3.6E-12	6.4E+00	6.0E-07	1.0E-03	4.0E-09	1.6E-01	5.5E-03	3.5E-12
2.5E+01	1.9E-07	1.0E-03	5.0E-09	1.6E-01	5.5E-03	4.3E-12	7.1E+00	6.0E-07	1.0E-03	4.4E-09	1.6E-01	5.5E-03	3.8E-12
2.8E+01	1.9E-07	1.0E-03	5.6E-09	1.6E-01	5.5E-03	4.8E-12	7.8E+00	6.0E-07	1.0E-03	4.9E-09	1.6E-01	5.5E-03	4.2E-12
7.6E+00	1.9E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12	6.4E+00	6.0E-07	1.0E-03	4.0E-09	1.6E-01	5.5E-03	3.5E-12
6.8E+00	1.9E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.2E-12	5.9E+00	6.0E-07	1.0E-03	3.7E-09	1.6E-01	5.5E-03	3.2E-12
6.0E+00	1.9E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.0E-12	5.4E+00	6.0E-07	1.0E-03	3.4E-09	1.6E-01	5.5E-03	2.9E-12
5.4E+00	1.9E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.2E-13	5.0E+00	6.0E-07	1.0E-03	3.1E-09	1.6E-01	5.5E-03	2.7E-12
4.9E+00	1.9E-07	1.0E-03	9.6E-10	1.6E-01	5.5E-03	8.3E-13	4.6E+00	6.0E-07	1.0E-03	2.9E-09	1.6E-01	5.5E-03	2.5E-12
4.4E+00	1.9E-07	1.0E-03	8.7E-10	1.6E-01	5.5E-03	7.5E-13	4.2E+00	6.0E-07	1.0E-03	2.6E-09	1.6E-01	5.5E-03	2.3E-12
4.0E+00	1.9E-07	1.0E-03	7.9E-10	1.6E-01	5.5E-03	6.8E-13	3.9E+00	6.0E-07	1.0E-03	2.4E-09	1.6E-01	5.5E-03	2.1E-12
3.7E+00	1.9E-07	1.0E-03	7.3E-10	1.6E-01	5.5E-03	6.3E-13	3.6E+00	6.0E-07	1.0E-03	2.3E-09	1.6E-01	5.5E-03	1.9E-12
3.3E+00	1.9E-07	1.0E-03	6.6E-10	1.6E-01	5.5E-03	5.7E-13	3.3E+00	6.0E-07	1.0E-03	2.1E-09	1.6E-01	5.5E-03	1.8E-12
3.0E+00	1.9E-07	1.0E-03	6.1E-10	1.6E-01	5.5E-03	5.2E-13	3.0E+00	6.0E-07	1.0E-03	1.9E-09	1.6E-01	5.5E-03	1.6E-12
1.2E+01	1.9E-07	1.0E-03	2.3E-09	1.6E-01	5.5E-03	2.0E-12	4.6E+00	6.0E-07	1.0E-03	2.9E-09	1.6E-01	5.5E-03	2.5E-12
1.4E+01	1.9E-07	1.0E-03	2.7E-09	1.6E-01	5.5E-03	2.3E-12	5.1E+00	6.0E-07	1.0E-03	3.2E-09	1.6E-01	5.5E-03	2.7E-12
1.6E+01	1.9E-07	1.0E-03	3.2E-09	1.6E-01	5.5E-03	2.8E-12	5.6E+00	6.0E-07	1.0E-03	3.5E-09	1.6E-01	5.5E-03	3.0E-12
1.8E+01	1.9E-07	1.0E-03	3.6E-09	1.6E-01	5.5E-03	3.1E-12	6.1E+00	6.0E-07	1.0E-03	3.8E-09	1.6E-01	5.5E-03	3.3E-12

2.0E+01	1.9E-07	1.0E-03	4.0E-09	1.6E-01	5.5E-03	3.4E-12	6.6E+00	6.0E-07	1.0E-03	4.1E-09	1.6E-01	5.5E-03	3.6E-12
6.9E+00	1.9E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12	5.7E+00	6.0E-07	1.0E-03	3.6E-09	1.6E-01	5.5E-03	3.1E-12
6.2E+00	1.9E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.1E-12	5.3E+00	6.0E-07	1.0E-03	3.3E-09	1.6E-01	5.5E-03	2.9E-12
5.5E+00	1.9E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.5E-13	4.9E+00	6.0E-07	1.0E-03	3.1E-09	1.6E-01	5.5E-03	2.7E-12
5.0E+00	1.9E-07	1.0E-03	9.9E-10	1.6E-01	5.5E-03	8.5E-13	4.6E+00	6.0E-07	1.0E-03	2.9E-09	1.6E-01	5.5E-03	2.5E-12
4.5E+00	1.9E-07	1.0E-03	8.9E-10	1.6E-01	5.5E-03	7.6E-13	4.2E+00	6.0E-07	1.0E-03	2.6E-09	1.6E-01	5.5E-03	2.3E-12
4.0E+00	1.9E-07	1.0E-03	8.0E-10	1.6E-01	5.5E-03	6.9E-13	3.8E+00	6.0E-07	1.0E-03	2.4E-09	1.6E-01	5.5E-03	2.1E-12
3.7E+00	1.9E-07	1.0E-03	7.3E-10	1.6E-01	5.5E-03	6.3E-13	3.6E+00	6.0E-07	1.0E-03	2.2E-09	1.6E-01	5.5E-03	1.9E-12
3.4E+00	1.9E-07	1.0E-03	6.7E-10	1.6E-01	5.5E-03	5.8E-13	3.3E+00	6.0E-07	1.0E-03	2.1E-09	1.6E-01	5.5E-03	1.8E-12
3.1E+00	1.9E-07	1.0E-03	6.2E-10	1.6E-01	5.5E-03	5.3E-13	3.1E+00	6.0E-07	1.0E-03	1.9E-09	1.6E-01	5.5E-03	1.7E-12
2.9E+00	1.9E-07	1.0E-03	5.7E-10	1.6E-01	5.5E-03	4.9E-13	2.8E+00	6.0E-07	1.0E-03	1.8E-09	1.6E-01	5.5E-03	1.5E-12
9.6E+00	1.9E-07	1.0E-03	1.9E-09	1.6E-01	5.5E-03	1.6E-12	4.1E+00	6.0E-07	1.0E-03	2.6E-09	1.6E-01	5.5E-03	2.2E-12
1.1E+01	1.9E-07	1.0E-03	2.2E-09	1.6E-01	5.5E-03	1.9E-12	4.5E+00	6.0E-07	1.0E-03	2.8E-09	1.6E-01	5.5E-03	2.4E-12
1.3E+01	1.9E-07	1.0E-03	2.5E-09	1.6E-01	5.5E-03	2.2E-12	4.9E+00	6.0E-07	1.0E-03	3.1E-09	1.6E-01	5.5E-03	2.7E-12
1.4E+01	1.9E-07	1.0E-03	2.8E-09	1.6E-01	5.5E-03	2.4E-12	5.3E+00	6.0E-07	1.0E-03	3.3E-09	1.6E-01	5.5E-03	2.9E-12
1.5E+01	1.9E-07	1.0E-03	3.0E-09	1.6E-01	5.5E-03	2.6E-12	5.7E+00	6.0E-07	1.0E-03	3.6E-09	1.6E-01	5.5E-03	3.1E-12
5.7E+00	1.9E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.7E-13	4.9E+00	6.0E-07	1.0E-03	3.0E-09	1.6E-01	5.5E-03	2.6E-12
5.1E+00	1.9E-07	1.0E-03	1.0E-09	1.6E-01	5.5E-03	8.8E-13	4.5E+00	6.0E-07	1.0E-03	2.8E-09	1.6E-01	5.5E-03	2.4E-12
4.6E+00	1.9E-07	1.0E-03	9.2E-10	1.6E-01	5.5E-03	7.9E-13	4.2E+00	6.0E-07	1.0E-03	2.6E-09	1.6E-01	5.5E-03	2.3E-12
4.1E+00	1.9E-07	1.0E-03	8.1E-10	1.6E-01	5.5E-03	6.9E-13	3.8E+00	6.0E-07	1.0E-03	2.4E-09	1.6E-01	5.5E-03	2.0E-12
3.7E+00	1.9E-07	1.0E-03	7.3E-10	1.6E-01	5.5E-03	6.3E-13	3.5E+00	6.0E-07	1.0E-03	2.2E-09	1.6E-01	5.5E-03	1.9E-12
3.4E+00	1.9E-07	1.0E-03	6.7E-10	1.6E-01	5.5E-03	5.8E-13	3.2E+00	6.0E-07	1.0E-03	2.0E-09	1.6E-01	5.5E-03	1.7E-12
3.1E+00	1.9E-07	1.0E-03	6.2E-10	1.6E-01	5.5E-03	5.3E-13	3.0E+00	6.0E-07	1.0E-03	1.9E-09	1.6E-01	5.5E-03	1.6E-12
2.9E+00	1.9E-07	1.0E-03	5.7E-10	1.6E-01	5.5E-03	4.9E-13	2.8E+00	6.0E-07	1.0E-03	1.8E-09	1.6E-01	5.5E-03	1.5E-12
2.7E+00	1.9E-07	1.0E-03	5.3E-10	1.6E-01	5.5E-03	4.6E-13	2.6E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	5.5E-03	1.4E-12
8.2E+00	1.9E-07	1.0E-03	1.6E-09	1.6E-01	5.5E-03	1.4E-12	3.7E+00	6.0E-07	1.0E-03	2.3E-09	1.6E-01	5.5E-03	2.0E-12
9.3E+00	1.9E-07	1.0E-03	1.8E-09	1.6E-01	5.5E-03	1.6E-12	4.0E+00	6.0E-07	1.0E-03	2.5E-09	1.6E-01	5.5E-03	2.2E-12
1.0E+01	1.9E-07	1.0E-03	2.0E-09	1.6E-01	5.5E-03	1.8E-12	4.3E+00	6.0E-07	1.0E-03	2.7E-09	1.6E-01	5.5E-03	2.3E-12
1.1E+01	1.9E-07	1.0E-03	2.2E-09	1.6E-01	5.5E-03	1.9E-12	4.7E+00	6.0E-07	1.0E-03	2.9E-09	1.6E-01	5.5E-03	2.5E-12
1.2E+01	1.9E-07	1.0E-03	2.4E-09	1.6E-01	5.5E-03	2.0E-12	5.0E+00	6.0E-07	1.0E-03	3.1E-09	1.6E-01	5.5E-03	2.7E-12
4.8E+00	1.9E-07	1.0E-03	9.5E-10	1.6E-01	5.5E-03	8.2E-13	4.2E+00	6.0E-07	1.0E-03	2.6E-09	1.6E-01	5.5E-03	2.3E-12
4.3E+00	1.9E-07	1.0E-03	8.6E-10	1.6E-01	5.5E-03	7.4E-13	3.9E+00	6.0E-07	1.0E-03	2.4E-09	1.6E-01	5.5E-03	2.1E-12
3.9E+00	1.9E-07	1.0E-03	7.8E-10	1.6E-01	5.5E-03	6.7E-13	3.6E+00	6.0E-07	1.0E-03	2.2E-09	1.6E-01	5.5E-03	1.9E-12
3.6E+00	1.9E-07	1.0E-03	7.1E-10	1.6E-01	5.5E-03	6.1E-13	3.3E+00	6.0E-07	1.0E-03	2.1E-09	1.6E-01	5.5E-03	1.8E-12
3.3E+00	1.9E-07	1.0E-03	6.5E-10	1.6E-01	5.5E-03	5.6E-13	3.1E+00	6.0E-07	1.0E-03	1.9E-09	1.6E-01	5.5E-03	1.7E-12
3.0E+00	1.9E-07	1.0E-03	5.9E-10	1.6E-01	5.5E-03	5.1E-13	2.9E+00	6.0E-07	1.0E-03	1.8E-09	1.6E-01	5.5E-03	1.6E-12
2.7E+00	1.9E-07	1.0E-03	5.4E-10	1.6E-01	5.5E-03	4.7E-13	2.7E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	5.5E-03	1.4E-12
2.5E+00	1.9E-07	1.0E-03	5.0E-10	1.6E-01	5.5E-03	4.3E-13	2.5E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12
7.0E+00	1.9E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12	3.3E+00	6.0E-07	1.0E-03	2.1E-09	1.6E-01	5.5E-03	1.8E-12
7.8E+00	1.9E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12	3.6E+00	6.0E-07	1.0E-03	2.3E-09	1.6E-01	5.5E-03	1.9E-12
8.5E+00	1.9E-07	1.0E-03	1.7E-09	1.6E-01	5.5E-03	1.5E-12	3.9E+00	6.0E-07	1.0E-03	2.4E-09	1.6E-01	5.5E-03	2.1E-12
9.1E+00	1.9E-07	1.0E-03	1.8E-09	1.6E-01	5.5E-03	1.6E-12	4.1E+00	6.0E-07	1.0E-03	2.6E-09	1.6E-01	5.5E-03	2.2E-12
9.7E+00	1.9E-07	1.0E-03	1.9E-09	1.6E-01	5.5E-03	1.7E-12	4.4E+00	6.0E-07	1.0E-03	2.8E-09	1.6E-01	5.5E-03	2.4E-12
4.1E+00	1.9E-07	1.0E-03	8.1E-10	1.6E-01	5.5E-03	7.0E-13	3.6E+00	6.0E-07	1.0E-03	2.3E-09	1.6E-01	5.5E-03	2.0E-12
3.8E+00	1.9E-07	1.0E-03	7.5E-10	1.6E-01	5.5E-03	6.5E-13	3.4E+00	6.0E-07	1.0E-03	2.1E-09	1.6E-01	5.5E-03	1.9E-12
3.5E+00	1.9E-07	1.0E-03	6.9E-10	1.6E-01	5.5E-03	6.0E-13	3.2E+00	6.0E-07	1.0E-03	2.0E-09	1.6E-01	5.5E-03	1.7E-12

3.2E+00	1.9E-07	1.0E-03	6.3E-10	1.6E-01	5.5E-03	5.4E-13	3.0E+00	6.0E-07	1.0E-03	1.9E-09	1.6E-01	5.5E-03	1.6E-12
2.9E+00	1.9E-07	1.0E-03	5.8E-10	1.6E-01	5.5E-03	5.0E-13	2.8E+00	6.0E-07	1.0E-03	1.8E-09	1.6E-01	5.5E-03	1.5E-12
2.7E+00	1.9E-07	1.0E-03	5.3E-10	1.6E-01	5.5E-03	4.6E-13	2.6E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	5.5E-03	1.4E-12
2.4E+00	1.9E-07	1.0E-03	4.8E-10	1.6E-01	5.5E-03	4.2E-13	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12
6.0E+00	1.9E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.0E-12	3.0E+00	6.0E-07	1.0E-03	1.9E-09	1.6E-01	5.5E-03	1.6E-12
6.6E+00	1.9E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12	3.3E+00	6.0E-07	1.0E-03	2.0E-09	1.6E-01	5.5E-03	1.8E-12
7.1E+00	1.9E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12	3.5E+00	6.0E-07	1.0E-03	2.2E-09	1.6E-01	5.5E-03	1.9E-12
7.6E+00	1.9E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12	3.7E+00	6.0E-07	1.0E-03	2.3E-09	1.6E-01	5.5E-03	2.0E-12
8.0E+00	1.9E-07	1.0E-03	1.6E-09	1.6E-01	5.5E-03	1.4E-12	3.9E+00	6.0E-07	1.0E-03	2.4E-09	1.6E-01	5.5E-03	2.1E-12
3.5E+00	1.9E-07	1.0E-03	7.1E-10	1.6E-01	5.5E-03	6.1E-13	3.2E+00	6.0E-07	1.0E-03	2.0E-09	1.6E-01	5.5E-03	1.7E-12
3.3E+00	1.9E-07	1.0E-03	6.5E-10	1.6E-01	5.5E-03	5.6E-13	3.0E+00	6.0E-07	1.0E-03	1.9E-09	1.6E-01	5.5E-03	1.6E-12
3.0E+00	1.9E-07	1.0E-03	6.0E-10	1.6E-01	5.5E-03	5.2E-13	2.8E+00	6.0E-07	1.0E-03	1.8E-09	1.6E-01	5.5E-03	1.5E-12
2.8E+00	1.9E-07	1.0E-03	5.6E-10	1.6E-01	5.5E-03	4.8E-13	2.7E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	5.5E-03	1.4E-12
2.6E+00	1.9E-07	1.0E-03	5.1E-10	1.6E-01	5.5E-03	4.4E-13	2.5E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	5.5E-03	1.3E-12
2.4E+00	1.9E-07	1.0E-03	4.7E-10	1.6E-01	5.5E-03	4.1E-13	2.3E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.2E-12
5.2E+00	1.9E-07	1.0E-03	1.0E-09	1.6E-01	5.5E-03	8.9E-13	2.7E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	5.5E-03	1.5E-12
5.7E+00	1.9E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.7E-13	2.9E+00	6.0E-07	1.0E-03	1.8E-09	1.6E-01	5.5E-03	1.6E-12
6.1E+00	1.9E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.0E-12	3.1E+00	6.0E-07	1.0E-03	2.0E-09	1.6E-01	5.5E-03	1.7E-12
6.5E+00	1.9E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12	3.3E+00	6.0E-07	1.0E-03	2.1E-09	1.6E-01	5.5E-03	1.8E-12
6.8E+00	1.9E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.2E-12	3.5E+00	6.0E-07	1.0E-03	2.2E-09	1.6E-01	5.5E-03	1.9E-12
3.3E+00	1.9E-07	1.0E-03	6.6E-10	1.6E-01	5.5E-03	5.7E-13	3.0E+00	6.0E-07	1.0E-03	1.9E-09	1.6E-01	5.5E-03	1.6E-12
3.1E+00	1.9E-07	1.0E-03	6.2E-10	1.6E-01	5.5E-03	5.3E-13	2.8E+00	6.0E-07	1.0E-03	1.8E-09	1.6E-01	5.5E-03	1.5E-12
2.9E+00	1.9E-07	1.0E-03	5.7E-10	1.6E-01	5.5E-03	4.9E-13	2.7E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	5.5E-03	1.4E-12
2.7E+00	1.9E-07	1.0E-03	5.3E-10	1.6E-01	5.5E-03	4.6E-13	2.5E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	5.5E-03	1.4E-12
2.5E+00	1.9E-07	1.0E-03	4.9E-10	1.6E-01	5.5E-03	4.2E-13	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12
2.3E+00	1.9E-07	1.0E-03	4.5E-10	1.6E-01	5.5E-03	3.9E-13	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12
4.6E+00	1.9E-07	1.0E-03	9.1E-10	1.6E-01	5.5E-03	7.8E-13	2.5E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	5.5E-03	1.4E-12
4.9E+00	1.9E-07	1.0E-03	9.8E-10	1.6E-01	5.5E-03	8.4E-13	2.7E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	5.5E-03	1.4E-12
5.3E+00	1.9E-07	1.0E-03	1.0E-09	1.6E-01	5.5E-03	9.0E-13	2.8E+00	6.0E-07	1.0E-03	1.8E-09	1.6E-01	5.5E-03	1.5E-12
5.6E+00	1.9E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.5E-13	3.0E+00	6.0E-07	1.0E-03	1.9E-09	1.6E-01	5.5E-03	1.6E-12
5.8E+00	1.9E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	9.9E-13	3.1E+00	6.0E-07	1.0E-03	2.0E-09	1.6E-01	5.5E-03	1.7E-12
3.1E+00	1.9E-07	1.0E-03	6.2E-10	1.6E-01	5.5E-03	5.4E-13	2.8E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	5.5E-03	1.5E-12
2.9E+00	1.9E-07	1.0E-03	5.8E-10	1.6E-01	5.5E-03	5.0E-13	2.6E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	5.5E-03	1.4E-12
2.7E+00	1.9E-07	1.0E-03	5.4E-10	1.6E-01	5.5E-03	4.7E-13	2.5E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	5.5E-03	1.4E-12
2.5E+00	1.9E-07	1.0E-03	5.0E-10	1.6E-01	5.5E-03	4.3E-13	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12
2.4E+00	1.9E-07	1.0E-03	4.7E-10	1.6E-01	5.5E-03	4.1E-13	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12
2.2E+00	1.9E-07	1.0E-03	4.4E-10	1.6E-01	5.5E-03	3.8E-13	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12
4.1E+00	1.9E-07	1.0E-03	8.1E-10	1.6E-01	5.5E-03	6.9E-13	2.3E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12
4.3E+00	1.9E-07	1.0E-03	8.6E-10	1.6E-01	5.5E-03	7.4E-13	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12
4.6E+00	1.9E-07	1.0E-03	9.1E-10	1.6E-01	5.5E-03	7.9E-13	2.6E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	5.5E-03	1.4E-12
4.8E+00	1.9E-07	1.0E-03	9.6E-10	1.6E-01	5.5E-03	8.3E-13	2.7E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	5.5E-03	1.5E-12
5.0E+00	1.9E-07	1.0E-03	1.0E-09	1.6E-01	5.5E-03	8.6E-13	2.8E+00	6.0E-07	1.0E-03	1.8E-09	1.6E-01	5.5E-03	1.5E-12
3.0E+00	1.9E-07	1.0E-03	5.9E-10	1.6E-01	5.5E-03	5.1E-13	2.6E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	5.5E-03	1.4E-12
2.8E+00	1.9E-07	1.0E-03	5.5E-10	1.6E-01	5.5E-03	4.7E-13	2.5E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	5.5E-03	1.3E-12
2.6E+00	1.9E-07	1.0E-03	5.1E-10	1.6E-01	5.5E-03	4.4E-13	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12
2.4E+00	1.9E-07	1.0E-03	4.8E-10	1.6E-01	5.5E-03	4.1E-13	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12

2.3E+00	1.9E-07	1.0E-03	4.5E-10	1.6E-01	5.5E-03	3.9E-13	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.2E-12
2.1E+00	1.9E-07	1.0E-03	4.2E-10	1.6E-01	5.5E-03	3.6E-13	2.0E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12
3.6E+00	1.9E-07	1.0E-03	7.2E-10	1.6E-01	5.5E-03	6.2E-13	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12
3.8E+00	1.9E-07	1.0E-03	7.6E-10	1.6E-01	5.5E-03	6.6E-13	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12
4.1E+00	1.9E-07	1.0E-03	8.1E-10	1.6E-01	5.5E-03	6.9E-13	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12
4.3E+00	1.9E-07	1.0E-03	8.5E-10	1.6E-01	5.5E-03	7.3E-13	2.5E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	5.5E-03	1.3E-12
4.4E+00	1.9E-07	1.0E-03	8.8E-10	1.6E-01	5.5E-03	7.6E-13	2.6E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	5.5E-03	1.4E-12
2.8E+00	1.9E-07	1.0E-03	5.5E-10	1.6E-01	5.5E-03	4.8E-13	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12
2.6E+00	1.9E-07	1.0E-03	5.2E-10	1.6E-01	5.5E-03	4.5E-13	2.3E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12
2.5E+00	1.9E-07	1.0E-03	4.9E-10	1.6E-01	5.5E-03	4.2E-13	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12
2.3E+00	1.9E-07	1.0E-03	4.6E-10	1.6E-01	5.5E-03	3.9E-13	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12
2.2E+00	1.9E-07	1.0E-03	4.3E-10	1.6E-01	5.5E-03	3.7E-13	2.0E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12
2.0E+00	1.9E-07	1.0E-03	4.0E-10	1.6E-01	5.5E-03	3.5E-13	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.0E-12
3.2E+00	1.9E-07	1.0E-03	6.4E-10	1.6E-01	5.5E-03	5.5E-13	2.0E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.1E-12
3.4E+00	1.9E-07	1.0E-03	6.8E-10	1.6E-01	5.5E-03	5.9E-13	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12
3.6E+00	1.9E-07	1.0E-03	7.2E-10	1.6E-01	5.5E-03	6.2E-13	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12
3.8E+00	1.9E-07	1.0E-03	7.5E-10	1.6E-01	5.5E-03	6.5E-13	2.3E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12
3.9E+00	1.9E-07	1.0E-03	7.8E-10	1.6E-01	5.5E-03	6.7E-13	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12
4.0E+00	1.9E-07	1.0E-03	8.0E-10	1.6E-01	5.5E-03	6.9E-13	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12
4.1E+00	1.9E-07	1.0E-03	8.1E-10	1.6E-01	5.5E-03	7.0E-13	2.5E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	5.5E-03	1.4E-12
4.1E+00	1.9E-07	1.0E-03	8.2E-10	1.6E-01	5.5E-03	7.1E-13	2.6E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	5.5E-03	1.4E-12
4.1E+00	1.9E-07	1.0E-03	8.2E-10	1.6E-01	5.5E-03	7.1E-13	2.6E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	5.5E-03	1.4E-12
4.1E+00	1.9E-07	1.0E-03	8.2E-10	1.6E-01	5.5E-03	7.0E-13	2.7E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	5.5E-03	1.4E-12
4.0E+00	1.9E-07	1.0E-03	8.0E-10	1.6E-01	5.5E-03	6.9E-13	2.7E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	5.5E-03	1.5E-12
3.9E+00	1.9E-07	1.0E-03	7.8E-10	1.6E-01	5.5E-03	6.8E-13	2.7E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	5.5E-03	1.5E-12
3.8E+00	1.9E-07	1.0E-03	7.6E-10	1.6E-01	5.5E-03	6.6E-13	2.7E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	5.5E-03	1.5E-12
3.7E+00	1.9E-07	1.0E-03	7.4E-10	1.6E-01	5.5E-03	6.3E-13	2.7E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	5.5E-03	1.5E-12
3.6E+00	1.9E-07	1.0E-03	7.1E-10	1.6E-01	5.5E-03	6.1E-13	2.7E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	5.5E-03	1.4E-12
3.4E+00	1.9E-07	1.0E-03	6.8E-10	1.6E-01	5.5E-03	5.8E-13	2.6E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	5.5E-03	1.4E-12
3.3E+00	1.9E-07	1.0E-03	6.5E-10	1.6E-01	5.5E-03	5.6E-13	2.6E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	5.5E-03	1.4E-12
3.1E+00	1.9E-07	1.0E-03	6.1E-10	1.6E-01	5.5E-03	5.3E-13	2.5E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	5.5E-03	1.3E-12
2.9E+00	1.9E-07	1.0E-03	5.8E-10	1.6E-01	5.5E-03	5.0E-13	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12
2.8E+00	1.9E-07	1.0E-03	5.5E-10	1.6E-01	5.5E-03	4.7E-13	2.3E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12
2.6E+00	1.9E-07	1.0E-03	5.2E-10	1.6E-01	5.5E-03	4.5E-13	2.3E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12
2.5E+00	1.9E-07	1.0E-03	4.9E-10	1.6E-01	5.5E-03	4.2E-13	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12
2.3E+00	1.9E-07	1.0E-03	4.6E-10	1.6E-01	5.5E-03	4.0E-13	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12
2.2E+00	1.9E-07	1.0E-03	4.4E-10	1.6E-01	5.5E-03	3.8E-13	2.0E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12
2.1E+00	1.9E-07	1.0E-03	4.1E-10	1.6E-01	5.5E-03	3.5E-13	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.0E-12
1.9E+00	1.9E-07	1.0E-03	3.9E-10	1.6E-01	5.5E-03	3.3E-13	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.9E-13
2.9E+00	1.9E-07	1.0E-03	5.8E-10	1.6E-01	5.5E-03	5.0E-13	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.8E-13
3.1E+00	1.9E-07	1.0E-03	6.1E-10	1.6E-01	5.5E-03	5.3E-13	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.0E-12
3.2E+00	1.9E-07	1.0E-03	6.4E-10	1.6E-01	5.5E-03	5.5E-13	2.0E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12
3.4E+00	1.9E-07	1.0E-03	6.7E-10	1.6E-01	5.5E-03	5.8E-13	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12
3.5E+00	1.9E-07	1.0E-03	6.9E-10	1.6E-01	5.5E-03	6.0E-13	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12
3.6E+00	1.9E-07	1.0E-03	7.1E-10	1.6E-01	5.5E-03	6.1E-13	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12
3.7E+00	1.9E-07	1.0E-03	7.3E-10	1.6E-01	5.5E-03	6.3E-13	2.3E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12

3.7E+00	1.9E-07	1.0E-03	7.4E-10	1.6E-01	5.5E-03	6.3E-13	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12
3.7E+00	1.9E-07	1.0E-03	7.4E-10	1.6E-01	5.5E-03	6.3E-13	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12
3.7E+00	1.9E-07	1.0E-03	7.3E-10	1.6E-01	5.5E-03	6.3E-13	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12
3.6E+00	1.9E-07	1.0E-03	7.2E-10	1.6E-01	5.5E-03	6.2E-13	2.5E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	5.5E-03	1.3E-12
3.6E+00	1.9E-07	1.0E-03	7.1E-10	1.6E-01	5.5E-03	6.1E-13	2.5E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	5.5E-03	1.3E-12
3.5E+00	1.9E-07	1.0E-03	6.9E-10	1.6E-01	5.5E-03	6.0E-13	2.5E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	5.5E-03	1.3E-12
3.4E+00	1.9E-07	1.0E-03	6.7E-10	1.6E-01	5.5E-03	5.8E-13	2.5E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12
3.3E+00	1.9E-07	1.0E-03	6.5E-10	1.6E-01	5.5E-03	5.6E-13	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12
3.1E+00	1.9E-07	1.0E-03	6.3E-10	1.6E-01	5.5E-03	5.4E-13	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12
3.0E+00	1.9E-07	1.0E-03	6.0E-10	1.6E-01	5.5E-03	5.2E-13	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12
2.9E+00	1.9E-07	1.0E-03	5.7E-10	1.6E-01	5.5E-03	4.9E-13	2.3E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12
2.7E+00	1.9E-07	1.0E-03	5.5E-10	1.6E-01	5.5E-03	4.7E-13	2.3E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12
2.6E+00	1.9E-07	1.0E-03	5.2E-10	1.6E-01	5.5E-03	4.5E-13	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12
2.5E+00	1.9E-07	1.0E-03	4.9E-10	1.6E-01	5.5E-03	4.2E-13	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12
2.3E+00	1.9E-07	1.0E-03	4.6E-10	1.6E-01	5.5E-03	4.0E-13	2.0E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12
2.2E+00	1.9E-07	1.0E-03	4.4E-10	1.6E-01	5.5E-03	3.8E-13	2.0E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.1E-12
2.1E+00	1.9E-07	1.0E-03	4.2E-10	1.6E-01	5.5E-03	3.6E-13	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.0E-12
2.0E+00	1.9E-07	1.0E-03	3.9E-10	1.6E-01	5.5E-03	3.4E-13	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.8E-13
1.9E+00	1.9E-07	1.0E-03	3.7E-10	1.6E-01	5.5E-03	3.2E-13	1.7E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.4E-13
2.7E+00	1.9E-07	1.0E-03	5.3E-10	1.6E-01	5.5E-03	4.5E-13	1.7E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.1E-13
2.8E+00	1.9E-07	1.0E-03	5.5E-10	1.6E-01	5.5E-03	4.8E-13	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.5E-13
2.9E+00	1.9E-07	1.0E-03	5.8E-10	1.6E-01	5.5E-03	5.0E-13	1.8E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.0E-12
3.0E+00	1.9E-07	1.0E-03	6.0E-10	1.6E-01	5.5E-03	5.2E-13	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.0E-12
3.1E+00	1.9E-07	1.0E-03	6.2E-10	1.6E-01	5.5E-03	5.4E-13	2.0E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.1E-12
3.2E+00	1.9E-07	1.0E-03	6.4E-10	1.6E-01	5.5E-03	5.5E-13	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12
3.3E+00	1.9E-07	1.0E-03	6.5E-10	1.6E-01	5.5E-03	5.6E-13	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12
3.3E+00	1.9E-07	1.0E-03	6.6E-10	1.6E-01	5.5E-03	5.7E-13	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12
3.3E+00	1.9E-07	1.0E-03	6.6E-10	1.6E-01	5.5E-03	5.7E-13	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12
3.3E+00	1.9E-07	1.0E-03	6.6E-10	1.6E-01	5.5E-03	5.7E-13	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12
3.3E+00	1.9E-07	1.0E-03	6.6E-10	1.6E-01	5.5E-03	5.7E-13	2.3E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12
3.3E+00	1.9E-07	1.0E-03	6.5E-10	1.6E-01	5.5E-03	5.6E-13	2.3E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12
3.2E+00	1.9E-07	1.0E-03	6.3E-10	1.6E-01	5.5E-03	5.4E-13	2.3E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12
3.1E+00	1.9E-07	1.0E-03	6.2E-10	1.6E-01	5.5E-03	5.3E-13	2.3E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12
3.0E+00	1.9E-07	1.0E-03	6.0E-10	1.6E-01	5.5E-03	5.2E-13	2.3E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12
2.9E+00	1.9E-07	1.0E-03	5.8E-10	1.6E-01	5.5E-03	5.0E-13	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12
2.8E+00	1.9E-07	1.0E-03	5.6E-10	1.6E-01	5.5E-03	4.8E-13	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12
2.7E+00	1.9E-07	1.0E-03	5.3E-10	1.6E-01	5.5E-03	4.6E-13	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12
2.6E+00	1.9E-07	1.0E-03	5.1E-10	1.6E-01	5.5E-03	4.4E-13	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12
2.4E+00	1.9E-07	1.0E-03	4.9E-10	1.6E-01	5.5E-03	4.2E-13	2.0E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12
2.3E+00	1.9E-07	1.0E-03	4.6E-10	1.6E-01	5.5E-03	4.0E-13	2.0E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.1E-12
2.2E+00	1.9E-07	1.0E-03	4.4E-10	1.6E-01	5.5E-03	3.8E-13	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.0E-12
2.1E+00	1.9E-07	1.0E-03	4.2E-10	1.6E-01	5.5E-03	3.6E-13	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.0E-12
2.0E+00	1.9E-07	1.0E-03	4.0E-10	1.6E-01	5.5E-03	3.4E-13	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.7E-13
1.9E+00	1.9E-07	1.0E-03	3.7E-10	1.6E-01	5.5E-03	3.2E-13	1.7E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.3E-13
1.8E+00	1.9E-07	1.0E-03	3.5E-10	1.6E-01	5.5E-03	3.1E-13	1.7E+00	6.0E-07	1.0E-03	1.0E-09	1.6E-01	5.5E-03	8.9E-13
2.4E+00	1.9E-07	1.0E-03	4.8E-10	1.6E-01	5.5E-03	4.1E-13	1.6E+00	6.0E-07	1.0E-03	9.8E-10	1.6E-01	5.5E-03	8.5E-13

2.5E+00	1.9E-07	1.0E-03	5.0E-10	1.6E-01	5.5E-03	4.3E-13	1.6E+00	6.0E-07	1.0E-03	1.0E-09	1.6E-01	5.5E-03	8.9E-13
2.6E+00	1.9E-07	1.0E-03	5.3E-10	1.6E-01	5.5E-03	4.5E-13	1.7E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.2E-13
2.7E+00	1.9E-07	1.0E-03	5.5E-10	1.6E-01	5.5E-03	4.7E-13	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.6E-13
2.8E+00	1.9E-07	1.0E-03	5.6E-10	1.6E-01	5.5E-03	4.9E-13	1.8E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	9.9E-13
2.9E+00	1.9E-07	1.0E-03	5.8E-10	1.6E-01	5.5E-03	5.0E-13	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.0E-12
3.0E+00	1.9E-07	1.0E-03	5.9E-10	1.6E-01	5.5E-03	5.1E-13	2.0E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.1E-12
3.0E+00	1.9E-07	1.0E-03	6.0E-10	1.6E-01	5.5E-03	5.1E-13	2.0E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12
3.0E+00	1.9E-07	1.0E-03	6.0E-10	1.6E-01	5.5E-03	5.2E-13	2.0E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12
3.0E+00	1.9E-07	1.0E-03	6.0E-10	1.6E-01	5.5E-03	5.2E-13	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12
3.0E+00	1.9E-07	1.0E-03	6.0E-10	1.6E-01	5.5E-03	5.1E-13	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12
3.0E+00	1.9E-07	1.0E-03	5.9E-10	1.6E-01	5.5E-03	5.1E-13	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12
2.9E+00	1.9E-07	1.0E-03	5.8E-10	1.6E-01	5.5E-03	5.0E-13	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12
2.9E+00	1.9E-07	1.0E-03	5.7E-10	1.6E-01	5.5E-03	4.9E-13	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12
2.8E+00	1.9E-07	1.0E-03	5.5E-10	1.6E-01	5.5E-03	4.8E-13	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12
2.7E+00	1.9E-07	1.0E-03	5.3E-10	1.6E-01	5.5E-03	4.6E-13	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12
2.6E+00	1.9E-07	1.0E-03	5.2E-10	1.6E-01	5.5E-03	4.4E-13	2.0E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12
2.5E+00	1.9E-07	1.0E-03	5.0E-10	1.6E-01	5.5E-03	4.3E-13	2.0E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12
2.4E+00	1.9E-07	1.0E-03	4.8E-10	1.6E-01	5.5E-03	4.1E-13	2.0E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.1E-12
2.3E+00	1.9E-07	1.0E-03	4.6E-10	1.6E-01	5.5E-03	3.9E-13	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.0E-12
2.2E+00	1.9E-07	1.0E-03	4.3E-10	1.6E-01	5.5E-03	3.7E-13	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.0E-12
2.1E+00	1.9E-07	1.0E-03	4.1E-10	1.6E-01	5.5E-03	3.6E-13	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.8E-13
2.0E+00	1.9E-07	1.0E-03	4.0E-10	1.6E-01	5.5E-03	3.4E-13	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.5E-13
1.9E+00	1.9E-07	1.0E-03	3.8E-10	1.6E-01	5.5E-03	3.2E-13	1.7E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.2E-13
1.8E+00	1.9E-07	1.0E-03	3.6E-10	1.6E-01	5.5E-03	3.1E-13	1.6E+00	6.0E-07	1.0E-03	1.0E-09	1.6E-01	5.5E-03	8.8E-13
1.7E+00	1.9E-07	1.0E-03	3.4E-10	1.6E-01	5.5E-03	2.9E-13	1.6E+00	6.0E-07	1.0E-03	9.9E-10	1.6E-01	5.5E-03	8.5E-13
2.2E+00	1.9E-07	1.0E-03	4.4E-10	1.6E-01	5.5E-03	3.8E-13	1.5E+00	6.0E-07	1.0E-03	9.2E-10	1.6E-01	5.5E-03	7.9E-13
2.3E+00	1.9E-07	1.0E-03	4.6E-10	1.6E-01	5.5E-03	4.0E-13	1.5E+00	6.0E-07	1.0E-03	9.6E-10	1.6E-01	5.5E-03	8.3E-13
2.4E+00	1.9E-07	1.0E-03	4.8E-10	1.6E-01	5.5E-03	4.1E-13	1.6E+00	6.0E-07	1.0E-03	1.0E-09	1.6E-01	5.5E-03	8.6E-13
2.5E+00	1.9E-07	1.0E-03	5.0E-10	1.6E-01	5.5E-03	4.3E-13	1.6E+00	6.0E-07	1.0E-03	1.0E-09	1.6E-01	5.5E-03	8.9E-13
2.6E+00	1.9E-07	1.0E-03	5.1E-10	1.6E-01	5.5E-03	4.4E-13	1.7E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.2E-13
2.6E+00	1.9E-07	1.0E-03	5.3E-10	1.6E-01	5.5E-03	4.5E-13	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.5E-13
2.7E+00	1.9E-07	1.0E-03	5.4E-10	1.6E-01	5.5E-03	4.6E-13	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.8E-13
2.7E+00	1.9E-07	1.0E-03	5.4E-10	1.6E-01	5.5E-03	4.7E-13	1.8E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.0E-12
2.8E+00	1.9E-07	1.0E-03	5.5E-10	1.6E-01	5.5E-03	4.7E-13	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.0E-12
2.8E+00	1.9E-07	1.0E-03	5.5E-10	1.6E-01	5.5E-03	4.7E-13	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.0E-12
2.7E+00	1.9E-07	1.0E-03	5.5E-10	1.6E-01	5.5E-03	4.7E-13	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.0E-12
2.7E+00	1.9E-07	1.0E-03	5.4E-10	1.6E-01	5.5E-03	4.6E-13	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.1E-12
2.7E+00	1.9E-07	1.0E-03	5.3E-10	1.6E-01	5.5E-03	4.6E-13	2.0E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.1E-12
2.6E+00	1.9E-07	1.0E-03	5.2E-10	1.6E-01	5.5E-03	4.5E-13	2.0E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.1E-12
2.6E+00	1.9E-07	1.0E-03	5.1E-10	1.6E-01	5.5E-03	4.4E-13	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.1E-12
2.5E+00	1.9E-07	1.0E-03	5.0E-10	1.6E-01	5.5E-03	4.3E-13	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.0E-12
2.4E+00	1.9E-07	1.0E-03	4.8E-10	1.6E-01	5.5E-03	4.1E-13	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.0E-12
2.3E+00	1.9E-07	1.0E-03	4.6E-10	1.6E-01	5.5E-03	4.0E-13	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.0E-12
2.2E+00	1.9E-07	1.0E-03	4.5E-10	1.6E-01	5.5E-03	3.8E-13	1.8E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	9.9E-13
2.2E+00	1.9E-07	1.0E-03	4.3E-10	1.6E-01	5.5E-03	3.7E-13	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.7E-13
2.1E+00	1.9E-07	1.0E-03	4.1E-10	1.6E-01	5.5E-03	3.5E-13	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.5E-13

2.0E+00	1.9E-07	1.0E-03	3.9E-10	1.6E-01	5.5E-03	3.4E-13	1.7E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.2E-13
1.9E+00	1.9E-07	1.0E-03	3.7E-10	1.6E-01	5.5E-03	3.2E-13	1.7E+00	6.0E-07	1.0E-03	1.0E-09	1.6E-01	5.5E-03	8.9E-13
1.8E+00	1.9E-07	1.0E-03	3.6E-10	1.6E-01	5.5E-03	3.1E-13	1.6E+00	6.0E-07	1.0E-03	1.0E-09	1.6E-01	5.5E-03	8.7E-13
1.7E+00	1.9E-07	1.0E-03	3.4E-10	1.6E-01	5.5E-03	2.9E-13	1.6E+00	6.0E-07	1.0E-03	9.7E-10	1.6E-01	5.5E-03	8.4E-13
1.6E+00	1.9E-07	1.0E-03	3.2E-10	1.6E-01	5.5E-03	2.8E-13	1.5E+00	6.0E-07	1.0E-03	9.4E-10	1.6E-01	5.5E-03	8.1E-13
2.0E+00	1.9E-07	1.0E-03	4.0E-10	1.6E-01	5.5E-03	3.5E-13	1.4E+00	6.0E-07	1.0E-03	8.6E-10	1.6E-01	5.5E-03	7.4E-13
2.1E+00	1.9E-07	1.0E-03	4.2E-10	1.6E-01	5.5E-03	3.6E-13	1.4E+00	6.0E-07	1.0E-03	9.0E-10	1.6E-01	5.5E-03	7.7E-13
2.2E+00	1.9E-07	1.0E-03	4.4E-10	1.6E-01	5.5E-03	3.8E-13	1.5E+00	6.0E-07	1.0E-03	9.3E-10	1.6E-01	5.5E-03	8.0E-13
2.3E+00	1.9E-07	1.0E-03	4.5E-10	1.6E-01	5.5E-03	3.9E-13	1.5E+00	6.0E-07	1.0E-03	9.6E-10	1.6E-01	5.5E-03	8.3E-13
2.4E+00	1.9E-07	1.0E-03	4.7E-10	1.6E-01	5.5E-03	4.0E-13	1.6E+00	6.0E-07	1.0E-03	9.9E-10	1.6E-01	5.5E-03	8.6E-13
2.4E+00	1.9E-07	1.0E-03	4.8E-10	1.6E-01	5.5E-03	4.1E-13	1.6E+00	6.0E-07	1.0E-03	1.0E-09	1.6E-01	5.5E-03	8.8E-13
2.5E+00	1.9E-07	1.0E-03	4.9E-10	1.6E-01	5.5E-03	4.2E-13	1.7E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.0E-13
2.5E+00	1.9E-07	1.0E-03	5.0E-10	1.6E-01	5.5E-03	4.3E-13	1.7E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.3E-13
2.5E+00	1.9E-07	1.0E-03	5.0E-10	1.6E-01	5.5E-03	4.3E-13	1.7E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.4E-13
2.5E+00	1.9E-07	1.0E-03	5.0E-10	1.6E-01	5.5E-03	4.3E-13	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.6E-13
2.5E+00	1.9E-07	1.0E-03	5.0E-10	1.6E-01	5.5E-03	4.3E-13	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.7E-13
2.5E+00	1.9E-07	1.0E-03	5.0E-10	1.6E-01	5.5E-03	4.3E-13	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.8E-13
2.5E+00	1.9E-07	1.0E-03	4.9E-10	1.6E-01	5.5E-03	4.2E-13	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.8E-13
2.4E+00	1.9E-07	1.0E-03	4.8E-10	1.6E-01	5.5E-03	4.2E-13	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.8E-13
2.4E+00	1.9E-07	1.0E-03	4.7E-10	1.6E-01	5.5E-03	4.1E-13	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.8E-13
2.3E+00	1.9E-07	1.0E-03	4.6E-10	1.6E-01	5.5E-03	4.0E-13	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.7E-13
2.3E+00	1.9E-07	1.0E-03	4.5E-10	1.6E-01	5.5E-03	3.9E-13	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.6E-13
2.2E+00	1.9E-07	1.0E-03	4.3E-10	1.6E-01	5.5E-03	3.7E-13	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.5E-13
2.1E+00	1.9E-07	1.0E-03	4.2E-10	1.6E-01	5.5E-03	3.6E-13	1.7E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.3E-13
2.0E+00	1.9E-07	1.0E-03	4.0E-10	1.6E-01	5.5E-03	3.5E-13	1.7E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.1E-13
1.9E+00	1.9E-07	1.0E-03	3.9E-10	1.6E-01	5.5E-03	3.3E-13	1.6E+00	6.0E-07	1.0E-03	1.0E-09	1.6E-01	5.5E-03	8.9E-13
1.9E+00	1.9E-07	1.0E-03	3.7E-10	1.6E-01	5.5E-03	3.2E-13	1.6E+00	6.0E-07	1.0E-03	1.0E-09	1.6E-01	5.5E-03	8.7E-13
1.8E+00	1.9E-07	1.0E-03	3.6E-10	1.6E-01	5.5E-03	3.1E-13	1.6E+00	6.0E-07	1.0E-03	9.8E-10	1.6E-01	5.5E-03	8.5E-13
1.7E+00	1.9E-07	1.0E-03	3.4E-10	1.6E-01	5.5E-03	2.9E-13	1.5E+00	6.0E-07	1.0E-03	9.5E-10	1.6E-01	5.5E-03	8.2E-13
1.6E+00	1.9E-07	1.0E-03	3.3E-10	1.6E-01	5.5E-03	2.8E-13	1.5E+00	6.0E-07	1.0E-03	9.2E-10	1.6E-01	5.5E-03	8.0E-13
1.6E+00	1.9E-07	1.0E-03	3.1E-10	1.6E-01	5.5E-03	2.7E-13	1.4E+00	6.0E-07	1.0E-03	8.9E-10	1.6E-01	5.5E-03	7.7E-13

Franklin School Project

Risk From New Building Demo (Port. 2) - Mitigated Residential

Haul Route 1A							Haul Route 2A						
Conc	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
3.4E-01	1.2E-06	1.0E-03	4.4E-10	1.6E-01	5.5E-03	3.7E-13	3.9E+00	1.3E-07	1.0E-03	5.4E-10	1.6E-01	5.5E-03	4.6E-13
3.9E-01	1.2E-06	1.0E-03	5.0E-10	1.6E-01	5.5E-03	4.3E-13	4.4E+00	1.3E-07	1.0E-03	6.0E-10	1.6E-01	5.5E-03	5.2E-13
4.5E-01	1.2E-06	1.0E-03	5.8E-10	1.6E-01	5.5E-03	5.0E-13	4.7E+00	1.3E-07	1.0E-03	6.5E-10	1.6E-01	5.5E-03	5.6E-13
5.2E-01	1.2E-06	1.0E-03	6.6E-10	1.6E-01	5.5E-03	5.7E-13	4.8E+00	1.3E-07	1.0E-03	6.7E-10	1.6E-01	5.5E-03	5.8E-13
5.8E-01	1.2E-06	1.0E-03	7.5E-10	1.6E-01	5.5E-03	6.5E-13	4.8E+00	1.3E-07	1.0E-03	6.7E-10	1.6E-01	5.5E-03	5.8E-13
6.5E-01	1.2E-06	1.0E-03	8.3E-10	1.6E-01	5.5E-03	7.2E-13	4.7E+00	1.3E-07	1.0E-03	6.5E-10	1.6E-01	5.5E-03	5.6E-13
7.1E-01	1.2E-06	1.0E-03	9.1E-10	1.6E-01	5.5E-03	7.8E-13	4.3E+00	1.3E-07	1.0E-03	5.9E-10	1.6E-01	5.5E-03	5.1E-13
7.7E-01	1.2E-06	1.0E-03	9.9E-10	1.6E-01	5.5E-03	8.5E-13	3.6E+00	1.3E-07	1.0E-03	5.0E-10	1.6E-01	5.5E-03	4.3E-13
8.4E-01	1.2E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.3E-13	2.8E+00	1.3E-07	1.0E-03	3.9E-10	1.6E-01	5.5E-03	3.4E-13
9.2E-01	1.2E-06	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.0E-12	2.2E+00	1.3E-07	1.0E-03	3.0E-10	1.6E-01	5.5E-03	2.6E-13
9.9E-01	1.2E-06	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12	1.6E+00	1.3E-07	1.0E-03	2.3E-10	1.6E-01	5.5E-03	2.0E-13
1.0E+00	1.2E-06	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12	1.3E+00	1.3E-07	1.0E-03	1.8E-10	1.6E-01	5.5E-03	1.5E-13
1.0E+00	1.2E-06	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.2E-12	1.0E+00	1.3E-07	1.0E-03	1.4E-10	1.6E-01	5.5E-03	1.2E-13
1.0E+00	1.2E-06	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12	8.0E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.5E-14
9.5E-01	1.2E-06	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.1E-12	6.5E-01	1.3E-07	1.0E-03	9.0E-11	1.6E-01	5.5E-03	7.8E-14
8.8E-01	1.2E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.7E-13	5.4E-01	1.3E-07	1.0E-03	7.5E-11	1.6E-01	5.5E-03	6.5E-14
3.9E-01	1.2E-06	1.0E-03	5.1E-10	1.6E-01	5.5E-03	4.3E-13	8.3E+00	1.3E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.9E-13
4.7E-01	1.2E-06	1.0E-03	6.0E-10	1.6E-01	5.5E-03	5.2E-13	8.9E+00	1.3E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.1E-12
5.5E-01	1.2E-06	1.0E-03	7.1E-10	1.6E-01	5.5E-03	6.1E-13	9.3E+00	1.3E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12
6.5E-01	1.2E-06	1.0E-03	8.4E-10	1.6E-01	5.5E-03	7.3E-13	9.5E+00	1.3E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12
7.6E-01	1.2E-06	1.0E-03	9.8E-10	1.6E-01	5.5E-03	8.5E-13	9.4E+00	1.3E-07	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12
8.7E-01	1.2E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.7E-13	9.0E+00	1.3E-07	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.1E-12
9.7E-01	1.2E-06	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12	7.7E+00	1.3E-07	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.2E-13
1.1E+00	1.2E-06	1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12	5.3E+00	1.3E-07	1.0E-03	7.3E-10	1.6E-01	5.5E-03	6.3E-13
1.2E+00	1.2E-06	1.0E-03	1.6E-09	1.6E-01	5.5E-03	1.3E-12	3.4E+00	1.3E-07	1.0E-03	4.8E-10	1.6E-01	5.5E-03	4.1E-13
1.3E+00	1.2E-06	1.0E-03	1.7E-09	1.6E-01	5.5E-03	1.5E-12	2.3E+00	1.3E-07	1.0E-03	3.2E-10	1.6E-01	5.5E-03	2.8E-13
1.4E+00	1.2E-06	1.0E-03	1.8E-09	1.6E-01	5.5E-03	1.6E-12	1.7E+00	1.3E-07	1.0E-03	2.3E-10	1.6E-01	5.5E-03	2.0E-13
1.4E+00	1.2E-06	1.0E-03	1.8E-09	1.6E-01	5.5E-03	1.6E-12	1.2E+00	1.3E-07	1.0E-03	1.7E-10	1.6E-01	5.5E-03	1.5E-13
1.4E+00	1.2E-06	1.0E-03	1.8E-09	1.6E-01	5.5E-03	1.5E-12	9.4E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-03	1.1E-13
1.3E+00	1.2E-06	1.0E-03	1.6E-09	1.6E-01	5.5E-03	1.4E-12	7.5E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	5.5E-03	8.9E-14
1.2E+00	1.2E-06	1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12	6.1E-01	1.3E-07	1.0E-03	8.4E-11	1.6E-01	5.5E-03	7.2E-14
1.0E+00	1.2E-06	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12	5.0E-01	1.3E-07	1.0E-03	6.9E-11	1.6E-01	5.5E-03	6.0E-14
4.5E-01	1.2E-06	1.0E-03	5.9E-10	1.6E-01	5.5E-03	5.0E-13	6.9E+00	1.3E-07	1.0E-03	9.5E-10	1.6E-01	5.5E-03	8.2E-13
5.6E-01	1.2E-06	1.0E-03	7.2E-10	1.6E-01	5.5E-03	6.2E-13	1.1E+01	1.3E-07	1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12
6.9E-01	1.2E-06	1.0E-03	8.8E-10	1.6E-01	5.5E-03	7.6E-13	6.2E+00	1.3E-07	1.0E-03	8.5E-10	1.6E-01	5.5E-03	7.4E-13
8.5E-01	1.2E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.4E-13	6.1E+00	1.3E-07	1.0E-03	8.5E-10	1.6E-01	5.5E-03	7.3E-13
1.0E+00	1.2E-06	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.2E-12	6.0E+00	1.3E-07	1.0E-03	8.3E-10	1.6E-01	5.5E-03	7.2E-13
1.2E+00	1.2E-06	1.0E-03	1.6E-09	1.6E-01	5.5E-03	1.4E-12	5.4E+00	1.3E-07	1.0E-03	7.4E-10	1.6E-01	5.5E-03	6.4E-13
1.4E+00	1.2E-06	1.0E-03	1.9E-09	1.6E-01	5.5E-03	1.6E-12	6.2E+00	1.3E-07	1.0E-03	8.6E-10	1.6E-01	5.5E-03	7.4E-13

1.6E+00	1.2E-06	1.0E-03	2.1E-09	1.6E-01	5.5E-03	1.8E-12	7.1E+00	1.3E-07	1.0E-03	9.9E-10	1.6E-01	5.5E-03	8.5E-13
1.9E+00	1.2E-06	1.0E-03	2.4E-09	1.6E-01	5.5E-03	2.1E-12	3.6E+00	1.3E-07	1.0E-03	5.0E-10	1.6E-01	5.5E-03	4.3E-13
2.1E+00	1.2E-06	1.0E-03	2.6E-09	1.6E-01	5.5E-03	2.3E-12	2.2E+00	1.3E-07	1.0E-03	3.1E-10	1.6E-01	5.5E-03	2.7E-13
2.1E+00	1.2E-06	1.0E-03	2.7E-09	1.6E-01	5.5E-03	2.3E-12	1.5E+00	1.3E-07	1.0E-03	2.1E-10	1.6E-01	5.5E-03	1.8E-13
2.0E+00	1.2E-06	1.0E-03	2.6E-09	1.6E-01	5.5E-03	2.2E-12	1.1E+00	1.3E-07	1.0E-03	1.5E-10	1.6E-01	5.5E-03	1.3E-13
1.8E+00	1.2E-06	1.0E-03	2.3E-09	1.6E-01	5.5E-03	2.0E-12	8.5E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	5.5E-03	1.0E-13
1.6E+00	1.2E-06	1.0E-03	2.0E-09	1.6E-01	5.5E-03	1.7E-12	6.7E-01	1.3E-07	1.0E-03	9.3E-11	1.6E-01	5.5E-03	8.0E-14
1.3E+00	1.2E-06	1.0E-03	1.7E-09	1.6E-01	5.5E-03	1.5E-12	5.4E-01	1.3E-07	1.0E-03	7.5E-11	1.6E-01	5.5E-03	6.5E-14
1.1E+00	1.2E-06	1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12	4.5E-01	1.3E-07	1.0E-03	6.3E-11	1.6E-01	5.5E-03	5.4E-14
5.2E-01	1.2E-06	1.0E-03	6.7E-10	1.6E-01	5.5E-03	5.8E-13	6.3E+00	1.3E-07	1.0E-03	8.8E-10	1.6E-01	5.5E-03	7.5E-13
6.6E-01	1.2E-06	1.0E-03	8.5E-10	1.6E-01	5.5E-03	7.3E-13	1.0E+01	1.3E-07	1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12
8.6E-01	1.2E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.5E-13	5.6E+00	1.3E-07	1.0E-03	7.8E-10	1.6E-01	5.5E-03	6.7E-13
1.1E+00	1.2E-06	1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12	5.5E+00	1.3E-07	1.0E-03	7.6E-10	1.6E-01	5.5E-03	6.5E-13
1.5E+00	1.2E-06	1.0E-03	1.9E-09	1.6E-01	5.5E-03	1.6E-12	5.3E+00	1.3E-07	1.0E-03	7.3E-10	1.6E-01	5.5E-03	6.3E-13
1.9E+00	1.2E-06	1.0E-03	2.5E-09	1.6E-01	5.5E-03	2.1E-12	4.5E+00	1.3E-07	1.0E-03	6.3E-10	1.6E-01	5.5E-03	5.4E-13
2.3E+00	1.2E-06	1.0E-03	3.0E-09	1.6E-01	5.5E-03	2.6E-12	5.2E+00	1.3E-07	1.0E-03	7.2E-10	1.6E-01	5.5E-03	6.2E-13
2.8E+00	1.2E-06	1.0E-03	3.6E-09	1.6E-01	5.5E-03	3.1E-12	6.0E+00	1.3E-07	1.0E-03	8.3E-10	1.6E-01	5.5E-03	7.2E-13
3.2E+00	1.2E-06	1.0E-03	4.1E-09	1.6E-01	5.5E-03	3.6E-12	3.0E+00	1.3E-07	1.0E-03	4.2E-10	1.6E-01	5.5E-03	3.6E-13
3.4E+00	1.2E-06	1.0E-03	4.3E-09	1.6E-01	5.5E-03	3.7E-12	1.9E+00	1.3E-07	1.0E-03	2.6E-10	1.6E-01	5.5E-03	2.2E-13
3.1E+00	1.2E-06	1.0E-03	4.0E-09	1.6E-01	5.5E-03	3.5E-12	1.3E+00	1.3E-07	1.0E-03	1.8E-10	1.6E-01	5.5E-03	1.5E-13
2.7E+00	1.2E-06	1.0E-03	3.5E-09	1.6E-01	5.5E-03	3.0E-12	9.5E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-03	1.1E-13
2.3E+00	1.2E-06	1.0E-03	2.9E-09	1.6E-01	5.5E-03	2.5E-12	7.4E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	5.5E-03	8.8E-14
1.8E+00	1.2E-06	1.0E-03	2.4E-09	1.6E-01	5.5E-03	2.0E-12	5.9E-01	1.3E-07	1.0E-03	8.2E-11	1.6E-01	5.5E-03	7.0E-14
1.5E+00	1.2E-06	1.0E-03	1.9E-09	1.6E-01	5.5E-03	1.7E-12	4.8E-01	1.3E-07	1.0E-03	6.7E-11	1.6E-01	5.5E-03	5.8E-14
1.2E+00	1.2E-06	1.0E-03	1.6E-09	1.6E-01	5.5E-03	1.3E-12	4.0E-01	1.3E-07	1.0E-03	5.6E-11	1.6E-01	5.5E-03	4.8E-14
5.9E-01	1.2E-06	1.0E-03	7.6E-10	1.6E-01	5.5E-03	6.5E-13	7.0E+00	1.3E-07	1.0E-03	9.7E-10	1.6E-01	5.5E-03	8.4E-13
7.8E-01	1.2E-06	1.0E-03	1.0E-09	1.6E-01	5.5E-03	8.6E-13	7.3E+00	1.3E-07	1.0E-03	1.0E-09	1.6E-01	5.5E-03	8.7E-13
1.1E+00	1.2E-06	1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12	7.4E+00	1.3E-07	1.0E-03	1.0E-09	1.6E-01	5.5E-03	8.8E-13
1.5E+00	1.2E-06	1.0E-03	2.0E-09	1.6E-01	5.5E-03	1.7E-12	7.3E+00	1.3E-07	1.0E-03	1.0E-09	1.6E-01	5.5E-03	8.7E-13
2.2E+00	1.2E-06	1.0E-03	2.9E-09	1.6E-01	5.5E-03	2.5E-12	7.0E+00	1.3E-07	1.0E-03	9.7E-10	1.6E-01	5.5E-03	8.4E-13
3.3E+00	1.2E-06	1.0E-03	4.2E-09	1.6E-01	5.5E-03	3.6E-12	6.4E+00	1.3E-07	1.0E-03	8.9E-10	1.6E-01	5.5E-03	7.7E-13
4.5E+00	1.2E-06	1.0E-03	5.7E-09	1.6E-01	5.5E-03	4.9E-12	5.2E+00	1.3E-07	1.0E-03	7.1E-10	1.6E-01	5.5E-03	6.1E-13
5.6E+00	1.2E-06	1.0E-03	7.3E-09	1.6E-01	5.5E-03	6.3E-12	3.4E+00	1.3E-07	1.0E-03	4.7E-10	1.6E-01	5.5E-03	4.1E-13
6.2E+00	1.2E-06	1.0E-03	8.0E-09	1.6E-01	5.5E-03	6.9E-12	2.2E+00	1.3E-07	1.0E-03	3.1E-10	1.6E-01	5.5E-03	2.6E-13
5.6E+00	1.2E-06	1.0E-03	7.2E-09	1.6E-01	5.5E-03	6.2E-12	1.5E+00	1.3E-07	1.0E-03	2.1E-10	1.6E-01	5.5E-03	1.8E-13
4.5E+00	1.2E-06	1.0E-03	5.8E-09	1.6E-01	5.5E-03	5.0E-12	1.1E+00	1.3E-07	1.0E-03	1.5E-10	1.6E-01	5.5E-03	1.3E-13
3.4E+00	1.2E-06	1.0E-03	4.4E-09	1.6E-01	5.5E-03	3.8E-12	8.2E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.7E-14
2.6E+00	1.2E-06	1.0E-03	3.4E-09	1.6E-01	5.5E-03	2.9E-12	6.4E-01	1.3E-07	1.0E-03	8.9E-11	1.6E-01	5.5E-03	7.7E-14
2.0E+00	1.2E-06	1.0E-03	2.6E-09	1.6E-01	5.5E-03	2.2E-12	5.2E-01	1.3E-07	1.0E-03	7.2E-11	1.6E-01	5.5E-03	6.2E-14
1.5E+00	1.2E-06	1.0E-03	2.0E-09	1.6E-01	5.5E-03	1.7E-12	4.3E-01	1.3E-07	1.0E-03	6.0E-11	1.6E-01	5.5E-03	5.1E-14
1.2E+00	1.2E-06	1.0E-03	1.6E-09	1.6E-01	5.5E-03	1.4E-12	3.6E-01	1.3E-07	1.0E-03	5.0E-11	1.6E-01	5.5E-03	4.3E-14
6.5E-01	1.2E-06	1.0E-03	8.3E-10	1.6E-01	5.5E-03	7.2E-13	3.5E+00	1.3E-07	1.0E-03	4.9E-10	1.6E-01	5.5E-03	4.2E-13
8.8E-01	1.2E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.8E-13	3.8E+00	1.3E-07	1.0E-03	5.2E-10	1.6E-01	5.5E-03	4.5E-13
1.3E+00	1.2E-06	1.0E-03	1.7E-09	1.6E-01	5.5E-03	1.4E-12	3.8E+00	1.3E-07	1.0E-03	5.3E-10	1.6E-01	5.5E-03	4.6E-13
2.0E+00	1.2E-06	1.0E-03	2.6E-09	1.6E-01	5.5E-03	2.2E-12	3.8E+00	1.3E-07	1.0E-03	5.3E-10	1.6E-01	5.5E-03	4.6E-13
3.5E+00	1.2E-06	1.0E-03	4.5E-09	1.6E-01	5.5E-03	3.8E-12	3.7E+00	1.3E-07	1.0E-03	5.1E-10	1.6E-01	5.5E-03	4.4E-13

6.5E+00	1.2E-06	1.0E-03	8.3E-09	1.6E-01	5.5E-03	7.2E-12	3.4E+00	1.3E-07	1.0E-03	4.7E-10	1.6E-01	5.5E-03	4.0E-13
1.1E+01	1.2E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-03	1.2E-11	2.9E+00	1.3E-07	1.0E-03	4.0E-10	1.6E-01	5.5E-03	3.4E-13
1.5E+01	1.2E-06	1.0E-03	1.9E-08	1.6E-01	5.5E-03	1.7E-11	2.2E+00	1.3E-07	1.0E-03	3.1E-10	1.6E-01	5.5E-03	2.7E-13
1.3E+01	1.2E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-03	1.4E-11	1.6E+00	1.3E-07	1.0E-03	2.3E-10	1.6E-01	5.5E-03	2.0E-13
8.7E+00	1.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-03	9.7E-12	1.2E+00	1.3E-07	1.0E-03	1.7E-10	1.6E-01	5.5E-03	1.4E-13
5.7E+00	1.2E-06	1.0E-03	7.4E-09	1.6E-01	5.5E-03	6.4E-12	9.1E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-03	1.1E-13
3.9E+00	1.2E-06	1.0E-03	5.0E-09	1.6E-01	5.5E-03	4.3E-12	7.1E-01	1.3E-07	1.0E-03	9.8E-11	1.6E-01	5.5E-03	8.5E-14
2.7E+00	1.2E-06	1.0E-03	3.5E-09	1.6E-01	5.5E-03	3.0E-12	5.7E-01	1.3E-07	1.0E-03	7.9E-11	1.6E-01	5.5E-03	6.8E-14
2.0E+00	1.2E-06	1.0E-03	2.6E-09	1.6E-01	5.5E-03	2.2E-12	4.7E-01	1.3E-07	1.0E-03	6.5E-11	1.6E-01	5.5E-03	5.6E-14
1.5E+00	1.2E-06	1.0E-03	1.9E-09	1.6E-01	5.5E-03	1.7E-12	3.9E-01	1.3E-07	1.0E-03	5.4E-11	1.6E-01	5.5E-03	4.7E-14
1.2E+00	1.2E-06	1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12	3.3E-01	1.3E-07	1.0E-03	4.6E-11	1.6E-01	5.5E-03	4.0E-14
6.8E-01	1.2E-06	1.0E-03	8.7E-10	1.6E-01	5.5E-03	7.5E-13	2.2E+00	1.3E-07	1.0E-03	3.0E-10	1.6E-01	5.5E-03	2.6E-13
9.5E-01	1.2E-06	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.1E-12	2.4E+00	1.3E-07	1.0E-03	3.3E-10	1.6E-01	5.5E-03	2.8E-13
1.4E+00	1.2E-06	1.0E-03	1.9E-09	1.6E-01	5.5E-03	1.6E-12	2.4E+00	1.3E-07	1.0E-03	3.4E-10	1.6E-01	5.5E-03	2.9E-13
2.5E+00	1.2E-06	1.0E-03	3.2E-09	1.6E-01	5.5E-03	2.7E-12	2.4E+00	1.3E-07	1.0E-03	3.4E-10	1.6E-01	5.5E-03	2.9E-13
5.0E+00	1.2E-06	1.0E-03	6.4E-09	1.6E-01	5.5E-03	5.6E-12	2.4E+00	1.3E-07	1.0E-03	3.3E-10	1.6E-01	5.5E-03	2.8E-13
1.4E+01	1.2E-06	1.0E-03	1.8E-08	1.6E-01	5.5E-03	1.6E-11	2.2E+00	1.3E-07	1.0E-03	3.0E-10	1.6E-01	5.5E-03	2.6E-13
5.4E+01	1.2E-06	1.0E-03	6.9E-08	1.6E-01	5.5E-03	6.0E-11	1.9E+00	1.3E-07	1.0E-03	2.7E-10	1.6E-01	5.5E-03	2.3E-13
6.1E+01	1.2E-06	1.0E-03	7.8E-08	1.6E-01	5.5E-03	6.7E-11	1.6E+00	1.3E-07	1.0E-03	2.2E-10	1.6E-01	5.5E-03	1.9E-13
2.4E+01	1.2E-06	1.0E-03	3.1E-08	1.6E-01	5.5E-03	2.6E-11	1.3E+00	1.3E-07	1.0E-03	1.8E-10	1.6E-01	5.5E-03	1.5E-13
1.1E+01	1.2E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-03	1.2E-11	1.0E+00	1.3E-07	1.0E-03	1.4E-10	1.6E-01	5.5E-03	1.2E-13
6.0E+00	1.2E-06	1.0E-03	7.8E-09	1.6E-01	5.5E-03	6.7E-12	7.9E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.4E-14
3.8E+00	1.2E-06	1.0E-03	4.8E-09	1.6E-01	5.5E-03	4.2E-12	6.3E-01	1.3E-07	1.0E-03	8.7E-11	1.6E-01	5.5E-03	7.5E-14
2.5E+00	1.2E-06	1.0E-03	3.3E-09	1.6E-01	5.5E-03	2.8E-12	5.1E-01	1.3E-07	1.0E-03	7.1E-11	1.6E-01	5.5E-03	6.1E-14
1.8E+00	1.2E-06	1.0E-03	2.3E-09	1.6E-01	5.5E-03	2.0E-12	4.3E-01	1.3E-07	1.0E-03	5.9E-11	1.6E-01	5.5E-03	5.1E-14
1.3E+00	1.2E-06	1.0E-03	1.7E-09	1.6E-01	5.5E-03	1.5E-12	3.6E-01	1.3E-07	1.0E-03	5.0E-11	1.6E-01	5.5E-03	4.3E-14
1.0E+00	1.2E-06	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.2E-12	3.1E-01	1.3E-07	1.0E-03	4.2E-11	1.6E-01	5.5E-03	3.7E-14
6.9E-01	1.2E-06	1.0E-03	8.8E-10	1.6E-01	5.5E-03	7.6E-13	1.5E+00	1.3E-07	1.0E-03	2.1E-10	1.6E-01	5.5E-03	1.8E-13
9.7E-01	1.2E-06	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.1E-12	1.6E+00	1.3E-07	1.0E-03	2.2E-10	1.6E-01	5.5E-03	1.9E-13
1.5E+00	1.2E-06	1.0E-03	1.9E-09	1.6E-01	5.5E-03	1.6E-12	1.7E+00	1.3E-07	1.0E-03	2.3E-10	1.6E-01	5.5E-03	2.0E-13
2.6E+00	1.2E-06	1.0E-03	3.3E-09	1.6E-01	5.5E-03	2.8E-12	1.7E+00	1.3E-07	1.0E-03	2.4E-10	1.6E-01	5.5E-03	2.0E-13
5.5E+00	1.2E-06	1.0E-03	7.1E-09	1.6E-01	5.5E-03	6.1E-12	1.7E+00	1.3E-07	1.0E-03	2.3E-10	1.6E-01	5.5E-03	2.0E-13
9.6E+00	1.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-03	1.1E-11	8.5E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	5.5E-03	1.0E-13
5.1E+00	1.2E-06	1.0E-03	6.6E-09	1.6E-01	5.5E-03	5.7E-12	6.9E-01	1.3E-07	1.0E-03	9.6E-11	1.6E-01	5.5E-03	8.2E-14
3.2E+00	1.2E-06	1.0E-03	4.1E-09	1.6E-01	5.5E-03	3.5E-12	5.7E-01	1.3E-07	1.0E-03	7.9E-11	1.6E-01	5.5E-03	6.8E-14
2.1E+00	1.2E-06	1.0E-03	2.8E-09	1.6E-01	5.5E-03	2.4E-12	4.7E-01	1.3E-07	1.0E-03	6.5E-11	1.6E-01	5.5E-03	5.6E-14
1.5E+00	1.2E-06	1.0E-03	2.0E-09	1.6E-01	5.5E-03	1.7E-12	3.9E-01	1.3E-07	1.0E-03	5.5E-11	1.6E-01	5.5E-03	4.7E-14
1.2E+00	1.2E-06	1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12	3.3E-01	1.3E-07	1.0E-03	4.6E-11	1.6E-01	5.5E-03	4.0E-14
9.0E-01	1.2E-06	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.0E-12	2.9E-01	1.3E-07	1.0E-03	4.0E-11	1.6E-01	5.5E-03	3.4E-14
6.6E-01	1.2E-06	1.0E-03	8.5E-10	1.6E-01	5.5E-03	7.3E-13	1.1E+00	1.3E-07	1.0E-03	1.5E-10	1.6E-01	5.5E-03	1.3E-13
9.1E-01	1.2E-06	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.0E-12	1.2E+00	1.3E-07	1.0E-03	1.6E-10	1.6E-01	5.5E-03	1.4E-13
1.4E+00	1.2E-06	1.0E-03	1.7E-09	1.6E-01	5.5E-03	1.5E-12	1.2E+00	1.3E-07	1.0E-03	1.7E-10	1.6E-01	5.5E-03	1.5E-13
2.2E+00	1.2E-06	1.0E-03	2.9E-09	1.6E-01	5.5E-03	2.5E-12	1.3E+00	1.3E-07	1.0E-03	1.7E-10	1.6E-01	5.5E-03	1.5E-13
4.1E+00	1.2E-06	1.0E-03	5.3E-09	1.6E-01	5.5E-03	4.5E-12	1.2E+00	1.3E-07	1.0E-03	1.7E-10	1.6E-01	5.5E-03	1.5E-13
6.4E+00	1.2E-06	1.0E-03	8.3E-09	1.6E-01	5.5E-03	7.1E-12	7.2E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	5.5E-03	8.6E-14
3.9E+00	1.2E-06	1.0E-03	5.0E-09	1.6E-01	5.5E-03	4.3E-12	6.1E-01	1.3E-07	1.0E-03	8.4E-11	1.6E-01	5.5E-03	7.2E-14

2.5E+00	1.2E-06	1.0E-03	3.2E-09	1.6E-01	5.5E-03	2.8E-12	5.1E-01	1.3E-07	1.0E-03	7.0E-11	1.6E-01	5.5E-03	6.1E-14
1.8E+00	1.2E-06	1.0E-03	2.3E-09	1.6E-01	5.5E-03	2.0E-12	4.3E-01	1.3E-07	1.0E-03	6.0E-11	1.6E-01	5.5E-03	5.2E-14
1.3E+00	1.2E-06	1.0E-03	1.7E-09	1.6E-01	5.5E-03	1.4E-12	3.7E-01	1.3E-07	1.0E-03	5.1E-11	1.6E-01	5.5E-03	4.4E-14
9.9E-01	1.2E-06	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12	3.1E-01	1.3E-07	1.0E-03	4.4E-11	1.6E-01	5.5E-03	3.7E-14
7.8E-01	1.2E-06	1.0E-03	1.0E-09	1.6E-01	5.5E-03	8.7E-13	2.7E-01	1.3E-07	1.0E-03	3.8E-11	1.6E-01	5.5E-03	3.2E-14
6.1E-01	1.2E-06	1.0E-03	7.8E-10	1.6E-01	5.5E-03	6.7E-13	8.3E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	5.5E-03	9.9E-14
8.2E-01	1.2E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.1E-13	9.0E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	5.5E-03	1.1E-13
1.1E+00	1.2E-06	1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12	9.4E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-03	1.1E-13
1.7E+00	1.2E-06	1.0E-03	2.2E-09	1.6E-01	5.5E-03	1.9E-12	9.6E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-03	1.1E-13
2.7E+00	1.2E-06	1.0E-03	3.5E-09	1.6E-01	5.5E-03	3.0E-12	9.6E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-03	1.1E-13
4.2E+00	1.2E-06	1.0E-03	5.4E-09	1.6E-01	5.5E-03	4.6E-12	6.1E-01	1.3E-07	1.0E-03	8.5E-11	1.6E-01	5.5E-03	7.3E-14
2.8E+00	1.2E-06	1.0E-03	3.7E-09	1.6E-01	5.5E-03	3.1E-12	5.3E-01	1.3E-07	1.0E-03	7.3E-11	1.6E-01	5.5E-03	6.3E-14
2.0E+00	1.2E-06	1.0E-03	2.6E-09	1.6E-01	5.5E-03	2.2E-12	4.6E-01	1.3E-07	1.0E-03	6.3E-11	1.6E-01	5.5E-03	5.4E-14
1.5E+00	1.2E-06	1.0E-03	1.9E-09	1.6E-01	5.5E-03	1.6E-12	4.0E-01	1.3E-07	1.0E-03	5.5E-11	1.6E-01	5.5E-03	4.7E-14
1.1E+00	1.2E-06	1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12	3.4E-01	1.3E-07	1.0E-03	4.7E-11	1.6E-01	5.5E-03	4.1E-14
8.7E-01	1.2E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.6E-13	3.0E-01	1.3E-07	1.0E-03	4.1E-11	1.6E-01	5.5E-03	3.5E-14
6.9E-01	1.2E-06	1.0E-03	8.9E-10	1.6E-01	5.5E-03	7.7E-13	2.6E-01	1.3E-07	1.0E-03	3.6E-11	1.6E-01	5.5E-03	3.1E-14
5.4E-01	1.2E-06	1.0E-03	7.0E-10	1.6E-01	5.5E-03	6.0E-13	6.5E-01	1.3E-07	1.0E-03	9.1E-11	1.6E-01	5.5E-03	7.8E-14
7.0E-01	1.2E-06	1.0E-03	9.0E-10	1.6E-01	5.5E-03	7.8E-13	7.0E-01	1.3E-07	1.0E-03	9.7E-11	1.6E-01	5.5E-03	8.4E-14
9.4E-01	1.2E-06	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.0E-12	7.4E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	5.5E-03	8.8E-14
1.3E+00	1.2E-06	1.0E-03	1.7E-09	1.6E-01	5.5E-03	1.4E-12	7.6E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.0E-14
1.9E+00	1.2E-06	1.0E-03	2.4E-09	1.6E-01	5.5E-03	2.1E-12	7.6E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.1E-14
3.0E+00	1.2E-06	1.0E-03	3.8E-09	1.6E-01	5.5E-03	3.3E-12	5.3E-01	1.3E-07	1.0E-03	7.4E-11	1.6E-01	5.5E-03	6.4E-14
2.2E+00	1.2E-06	1.0E-03	2.8E-09	1.6E-01	5.5E-03	2.4E-12	4.7E-01	1.3E-07	1.0E-03	6.5E-11	1.6E-01	5.5E-03	5.6E-14
1.6E+00	1.2E-06	1.0E-03	2.1E-09	1.6E-01	5.5E-03	1.8E-12	4.1E-01	1.3E-07	1.0E-03	5.7E-11	1.6E-01	5.5E-03	4.9E-14
1.3E+00	1.2E-06	1.0E-03	1.6E-09	1.6E-01	5.5E-03	1.4E-12	3.6E-01	1.3E-07	1.0E-03	5.0E-11	1.6E-01	5.5E-03	4.3E-14
9.8E-01	1.2E-06	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12	3.2E-01	1.3E-07	1.0E-03	4.4E-11	1.6E-01	5.5E-03	3.8E-14
7.8E-01	1.2E-06	1.0E-03	1.0E-09	1.6E-01	5.5E-03	8.6E-13	2.8E-01	1.3E-07	1.0E-03	3.9E-11	1.6E-01	5.5E-03	3.3E-14
6.3E-01	1.2E-06	1.0E-03	8.1E-10	1.6E-01	5.5E-03	6.9E-13	2.4E-01	1.3E-07	1.0E-03	3.4E-11	1.6E-01	5.5E-03	2.9E-14
4.7E-01	1.2E-06	1.0E-03	6.1E-10	1.6E-01	5.5E-03	5.3E-13	5.3E-01	1.3E-07	1.0E-03	7.3E-11	1.6E-01	5.5E-03	6.3E-14
5.9E-01	1.2E-06	1.0E-03	7.6E-10	1.6E-01	5.5E-03	6.6E-13	5.7E-01	1.3E-07	1.0E-03	7.9E-11	1.6E-01	5.5E-03	6.8E-14
7.6E-01	1.2E-06	1.0E-03	9.8E-10	1.6E-01	5.5E-03	8.4E-13	6.0E-01	1.3E-07	1.0E-03	8.2E-11	1.6E-01	5.5E-03	7.1E-14
1.0E+00	1.2E-06	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12	6.1E-01	1.3E-07	1.0E-03	8.5E-11	1.6E-01	5.5E-03	7.3E-14
1.4E+00	1.2E-06	1.0E-03	1.8E-09	1.6E-01	5.5E-03	1.5E-12	6.2E-01	1.3E-07	1.0E-03	8.5E-11	1.6E-01	5.5E-03	7.3E-14
1.8E+00	1.2E-06	1.0E-03	2.3E-09	1.6E-01	5.5E-03	2.0E-12	6.1E-01	1.3E-07	1.0E-03	8.4E-11	1.6E-01	5.5E-03	7.2E-14
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2.5E+00	1.2E-06	1.0E-03	3.2E-09	1.6E-01	5.5E-03	2.7E-12	5.5E-01	1.3E-07	1.0E-03	7.6E-11	1.6E-01	5.5E-03	6.5E-14
2.4E+00	1.2E-06	1.0E-03	3.1E-09	1.6E-01	5.5E-03	2.7E-12	5.1E-01	1.3E-07	1.0E-03	7.0E-11	1.6E-01	5.5E-03	6.1E-14
2.1E+00	1.2E-06	1.0E-03	2.7E-09	1.6E-01	5.5E-03	2.4E-12	4.6E-01	1.3E-07	1.0E-03	6.4E-11	1.6E-01	5.5E-03	5.5E-14
1.7E+00	1.2E-06	1.0E-03	2.2E-09	1.6E-01	5.5E-03	1.9E-12	4.2E-01	1.3E-07	1.0E-03	5.8E-11	1.6E-01	5.5E-03	5.0E-14
1.3E+00	1.2E-06	1.0E-03	1.7E-09	1.6E-01	5.5E-03	1.5E-12	3.7E-01	1.3E-07	1.0E-03	5.1E-11	1.6E-01	5.5E-03	4.4E-14
1.1E+00	1.2E-06	1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12	3.2E-01	1.3E-07	1.0E-03	4.5E-11	1.6E-01	5.5E-03	3.9E-14
8.7E-01	1.2E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.7E-13	2.9E-01	1.3E-07	1.0E-03	4.1E-11	1.6E-01	5.5E-03	3.5E-14
7.0E-01	1.2E-06	1.0E-03	9.1E-10	1.6E-01	5.5E-03	7.8E-13	2.6E-01	1.3E-07	1.0E-03	3.6E-11	1.6E-01	5.5E-03	3.1E-14
5.7E-01	1.2E-06	1.0E-03	7.4E-10	1.6E-01	5.5E-03	6.4E-13	2.3E-01	1.3E-07	1.0E-03	3.2E-11	1.6E-01	5.5E-03	2.8E-14
4.1E-01	1.2E-06	1.0E-03	5.3E-10	1.6E-01	5.5E-03	4.6E-13	4.4E-01	1.3E-07	1.0E-03	6.0E-11	1.6E-01	5.5E-03	5.2E-14

5.0E-01	1.2E-06	1.0E-03	6.5E-10	1.6E-01	5.5E-03	5.6E-13	4.7E-01	1.3E-07	1.0E-03	6.5E-11	1.6E-01	5.5E-03	5.6E-14
6.2E-01	1.2E-06	1.0E-03	8.0E-10	1.6E-01	5.5E-03	6.9E-13	4.9E-01	1.3E-07	1.0E-03	6.8E-11	1.6E-01	5.5E-03	5.8E-14
8.0E-01	1.2E-06	1.0E-03	1.0E-09	1.6E-01	5.5E-03	8.8E-13	5.0E-01	1.3E-07	1.0E-03	7.0E-11	1.6E-01	5.5E-03	6.0E-14
1.0E+00	1.2E-06	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12	5.1E-01	1.3E-07	1.0E-03	7.0E-11	1.6E-01	5.5E-03	6.1E-14
1.3E+00	1.2E-06	1.0E-03	1.7E-09	1.6E-01	5.5E-03	1.4E-12	5.0E-01	1.3E-07	1.0E-03	7.0E-11	1.6E-01	5.5E-03	6.0E-14
1.5E+00	1.2E-06	1.0E-03	2.0E-09	1.6E-01	5.5E-03	1.7E-12	4.9E-01	1.3E-07	1.0E-03	6.7E-11	1.6E-01	5.5E-03	5.8E-14
1.7E+00	1.2E-06	1.0E-03	2.1E-09	1.6E-01	5.5E-03	1.8E-12	4.7E-01	1.3E-07	1.0E-03	6.4E-11	1.6E-01	5.5E-03	5.5E-14
1.7E+00	1.2E-06	1.0E-03	2.2E-09	1.6E-01	5.5E-03	1.9E-12	4.4E-01	1.3E-07	1.0E-03	6.0E-11	1.6E-01	5.5E-03	5.2E-14
1.6E+00	1.2E-06	1.0E-03	2.0E-09	1.6E-01	5.5E-03	1.7E-12	4.0E-01	1.3E-07	1.0E-03	5.6E-11	1.6E-01	5.5E-03	4.8E-14
1.4E+00	1.2E-06	1.0E-03	1.7E-09	1.6E-01	5.5E-03	1.5E-12	3.7E-01	1.3E-07	1.0E-03	5.1E-11	1.6E-01	5.5E-03	4.4E-14
1.1E+00	1.2E-06	1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12	3.3E-01	1.3E-07	1.0E-03	4.6E-11	1.6E-01	5.5E-03	4.0E-14
9.0E-01	1.2E-06	1.0E-03	1.2E-09	1.6E-01	5.5E-03	9.9E-13	2.9E-01	1.3E-07	1.0E-03	4.1E-11	1.6E-01	5.5E-03	3.5E-14
7.7E-01	1.2E-06	1.0E-03	9.9E-10	1.6E-01	5.5E-03	8.5E-13	2.7E-01	1.3E-07	1.0E-03	3.7E-11	1.6E-01	5.5E-03	3.2E-14
6.4E-01	1.2E-06	1.0E-03	8.2E-10	1.6E-01	5.5E-03	7.1E-13	2.4E-01	1.3E-07	1.0E-03	3.4E-11	1.6E-01	5.5E-03	2.9E-14
5.3E-01	1.2E-06	1.0E-03	6.8E-10	1.6E-01	5.5E-03	5.9E-13	2.2E-01	1.3E-07	1.0E-03	3.0E-11	1.6E-01	5.5E-03	2.6E-14
3.6E-01	1.2E-06	1.0E-03	4.7E-10	1.6E-01	5.5E-03	4.0E-13	3.7E-01	1.3E-07	1.0E-03	5.1E-11	1.6E-01	5.5E-03	4.4E-14
4.3E-01	1.2E-06	1.0E-03	5.6E-10	1.6E-01	5.5E-03	4.8E-13	3.9E-01	1.3E-07	1.0E-03	5.4E-11	1.6E-01	5.5E-03	4.7E-14
5.3E-01	1.2E-06	1.0E-03	6.8E-10	1.6E-01	5.5E-03	5.8E-13	4.1E-01	1.3E-07	1.0E-03	5.7E-11	1.6E-01	5.5E-03	4.9E-14
6.5E-01	1.2E-06	1.0E-03	8.4E-10	1.6E-01	5.5E-03	7.2E-13	4.2E-01	1.3E-07	1.0E-03	5.8E-11	1.6E-01	5.5E-03	5.0E-14
8.0E-01	1.2E-06	1.0E-03	1.0E-09	1.6E-01	5.5E-03	8.9E-13	4.3E-01	1.3E-07	1.0E-03	5.9E-11	1.6E-01	5.5E-03	5.1E-14
9.6E-01	1.2E-06	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.1E-12	4.2E-01	1.3E-07	1.0E-03	5.9E-11	1.6E-01	5.5E-03	5.0E-14
1.1E+00	1.2E-06	1.0E-03	1.4E-09	1.6E-01	5.5E-03	1.2E-12	4.1E-01	1.3E-07	1.0E-03	5.7E-11	1.6E-01	5.5E-03	4.9E-14
1.2E+00	1.2E-06	1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12	4.0E-01	1.3E-07	1.0E-03	5.5E-11	1.6E-01	5.5E-03	4.7E-14
1.2E+00	1.2E-06	1.0E-03	1.6E-09	1.6E-01	5.5E-03	1.4E-12	3.8E-01	1.3E-07	1.0E-03	5.2E-11	1.6E-01	5.5E-03	4.5E-14
1.2E+00	1.2E-06	1.0E-03	1.5E-09	1.6E-01	5.5E-03	1.3E-12	3.5E-01	1.3E-07	1.0E-03	4.9E-11	1.6E-01	5.5E-03	4.2E-14
1.0E+00	1.2E-06	1.0E-03	1.3E-09	1.6E-01	5.5E-03	1.1E-12	3.2E-01	1.3E-07	1.0E-03	4.4E-11	1.6E-01	5.5E-03	3.8E-14
9.0E-01	1.2E-06	1.0E-03	1.2E-09	1.6E-01	5.5E-03	1.0E-12	3.0E-01	1.3E-07	1.0E-03	4.1E-11	1.6E-01	5.5E-03	3.5E-14
7.8E-01	1.2E-06	1.0E-03	1.0E-09	1.6E-01	5.5E-03	8.6E-13	2.7E-01	1.3E-07	1.0E-03	3.7E-11	1.6E-01	5.5E-03	3.2E-14
6.4E-01	1.2E-06	1.0E-03	8.3E-10	1.6E-01	5.5E-03	7.1E-13	2.4E-01	1.3E-07	1.0E-03	3.3E-11	1.6E-01	5.5E-03	2.9E-14
5.7E-01	1.2E-06	1.0E-03	7.4E-10	1.6E-01	5.5E-03	6.4E-13	2.3E-01	1.3E-07	1.0E-03	3.1E-11	1.6E-01	5.5E-03	2.7E-14
4.9E-01	1.2E-06	1.0E-03	6.3E-10	1.6E-01	5.5E-03	5.4E-13	2.1E-01	1.3E-07	1.0E-03	2.8E-11	1.6E-01	5.5E-03	2.4E-14
3.2E-01	1.2E-06	1.0E-03	4.1E-10	1.6E-01	5.5E-03	3.5E-13	3.1E-01	1.3E-07	1.0E-03	4.3E-11	1.6E-01	5.5E-03	3.7E-14
3.7E-01	1.2E-06	1.0E-03	4.8E-10	1.6E-01	5.5E-03	4.2E-13	3.3E-01	1.3E-07	1.0E-03	4.6E-11	1.6E-01	5.5E-03	4.0E-14
4.5E-01	1.2E-06	1.0E-03	5.7E-10	1.6E-01	5.5E-03	4.9E-13	3.5E-01	1.3E-07	1.0E-03	4.8E-11	1.6E-01	5.5E-03	4.1E-14
5.3E-01	1.2E-06	1.0E-03	6.9E-10	1.6E-01	5.5E-03	5.9E-13	3.6E-01	1.3E-07	1.0E-03	4.9E-11	1.6E-01	5.5E-03	4.3E-14
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7.4E-01	1.2E-06	1.0E-03	9.6E-10	1.6E-01	5.5E-03	8.2E-13	3.6E-01	1.3E-07	1.0E-03	5.0E-11	1.6E-01	5.5E-03	4.3E-14
8.4E-01	1.2E-06	1.0E-03	1.1E-09	1.6E-01	5.5E-03	9.3E-13	3.5E-01	1.3E-07	1.0E-03	4.9E-11	1.6E-01	5.5E-03	4.2E-14
9.0E-01	1.2E-06	1.0E-03	1.2E-09	1.6E-01	5.5E-03	9.9E-13	3.4E-01	1.3E-07	1.0E-03	4.7E-11	1.6E-01	5.5E-03	4.1E-14
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7.7E-01	1.2E-06	1.0E-03	9.9E-10	1.6E-01	5.5E-03	8.6E-13	2.7E-01	1.3E-07	1.0E-03	3.8E-11	1.6E-01	5.5E-03	3.2E-14
6.8E-01	1.2E-06	1.0E-03	8.8E-10	1.6E-01	5.5E-03	7.6E-13	2.5E-01	1.3E-07	1.0E-03	3.5E-11	1.6E-01	5.5E-03	3.0E-14
5.6E-01	1.2E-06	1.0E-03	7.2E-10	1.6E-01	5.5E-03	6.2E-13	2.2E-01	1.3E-07	1.0E-03	3.1E-11	1.6E-01	5.5E-03	2.6E-14
4.9E-01	1.2E-06	1.0E-03	6.3E-10	1.6E-01	5.5E-03	5.4E-13	2.0E-01	1.3E-07	1.0E-03	2.8E-11	1.6E-01	5.5E-03	2.4E-14

4.5E-01	1.2E-06	1.0E-03	5.7E-10	1.6E-01	5.5E-03	4.9E-13	1.9E-01	1.3E-07	1.0E-03	2.7E-11	1.6E-01	5.5E-03	2.3E-14
2.8E-01	1.2E-06	1.0E-03	3.6E-10	1.6E-01	5.5E-03	3.1E-13	2.7E-01	1.3E-07	1.0E-03	3.8E-11	1.6E-01	5.5E-03	3.2E-14
3.3E-01	1.2E-06	1.0E-03	4.2E-10	1.6E-01	5.5E-03	3.6E-13	2.9E-01	1.3E-07	1.0E-03	4.0E-11	1.6E-01	5.5E-03	3.4E-14
3.8E-01	1.2E-06	1.0E-03	4.9E-10	1.6E-01	5.5E-03	4.2E-13	3.0E-01	1.3E-07	1.0E-03	4.1E-11	1.6E-01	5.5E-03	3.6E-14
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5.9E-01	1.2E-06	1.0E-03	7.6E-10	1.6E-01	5.5E-03	6.6E-13	3.1E-01	1.3E-07	1.0E-03	4.3E-11	1.6E-01	5.5E-03	3.7E-14
6.6E-01	1.2E-06	1.0E-03	8.5E-10	1.6E-01	5.5E-03	7.3E-13	3.1E-01	1.3E-07	1.0E-03	4.2E-11	1.6E-01	5.5E-03	3.7E-14
7.0E-01	1.2E-06	1.0E-03	9.0E-10	1.6E-01	5.5E-03	7.8E-13	3.0E-01	1.3E-07	1.0E-03	4.1E-11	1.6E-01	5.5E-03	3.6E-14
7.2E-01	1.2E-06	1.0E-03	9.3E-10	1.6E-01	5.5E-03	8.0E-13	2.9E-01	1.3E-07	1.0E-03	4.0E-11	1.6E-01	5.5E-03	3.4E-14
7.1E-01	1.2E-06	1.0E-03	9.2E-10	1.6E-01	5.5E-03	7.9E-13	2.7E-01	1.3E-07	1.0E-03	3.8E-11	1.6E-01	5.5E-03	3.3E-14
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5.8E-01	1.2E-06	1.0E-03	7.5E-10	1.6E-01	5.5E-03	6.5E-13	2.3E-01	1.3E-07	1.0E-03	3.2E-11	1.6E-01	5.5E-03	2.7E-14
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3.8E-01	1.2E-06	1.0E-03	4.9E-10	1.6E-01	5.5E-03	4.2E-13	1.7E-01	1.3E-07	1.0E-03	2.4E-11	1.6E-01	5.5E-03	2.1E-14
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5.8E-01	1.2E-06	1.0E-03	7.5E-10	1.6E-01	5.5E-03	6.4E-13	2.4E-01	1.3E-07	1.0E-03	3.4E-11	1.6E-01	5.5E-03	2.9E-14
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5.0E-01	1.2E-06	1.0E-03	6.4E-10	1.6E-01	5.5E-03	5.5E-13	2.1E-01	1.3E-07	1.0E-03	2.9E-11	1.6E-01	5.5E-03	2.5E-14
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3.4E-01	1.2E-06	1.0E-03	4.4E-10	1.6E-01	5.5E-03	3.8E-13	1.6E-01	1.3E-07	1.0E-03	2.2E-11	1.6E-01	5.5E-03	1.9E-14
2.2E-01	1.2E-06	1.0E-03	2.9E-10	1.6E-01	5.5E-03	2.5E-13	2.1E-01	1.3E-07	1.0E-03	2.9E-11	1.6E-01	5.5E-03	2.5E-14
2.5E-01	1.2E-06	1.0E-03	3.2E-10	1.6E-01	5.5E-03	2.8E-13	2.2E-01	1.3E-07	1.0E-03	3.0E-11	1.6E-01	5.5E-03	2.6E-14
2.9E-01	1.2E-06	1.0E-03	3.7E-10	1.6E-01	5.5E-03	3.2E-13	2.3E-01	1.3E-07	1.0E-03	3.1E-11	1.6E-01	5.5E-03	2.7E-14
3.3E-01	1.2E-06	1.0E-03	4.2E-10	1.6E-01	5.5E-03	3.6E-13	2.3E-01	1.3E-07	1.0E-03	3.2E-11	1.6E-01	5.5E-03	2.8E-14
3.7E-01	1.2E-06	1.0E-03	4.7E-10	1.6E-01	5.5E-03	4.1E-13	2.4E-01	1.3E-07	1.0E-03	3.3E-11	1.6E-01	5.5E-03	2.8E-14
4.0E-01	1.2E-06	1.0E-03	5.2E-10	1.6E-01	5.5E-03	4.5E-13	2.4E-01	1.3E-07	1.0E-03	3.3E-11	1.6E-01	5.5E-03	2.8E-14
4.4E-01	1.2E-06	1.0E-03	5.6E-10	1.6E-01	5.5E-03	4.9E-13	2.4E-01	1.3E-07	1.0E-03	3.3E-11	1.6E-01	5.5E-03	2.8E-14
4.6E-01	1.2E-06	1.0E-03	6.0E-10	1.6E-01	5.5E-03	5.1E-13	2.3E-01	1.3E-07	1.0E-03	3.2E-11	1.6E-01	5.5E-03	2.8E-14
4.8E-01	1.2E-06	1.0E-03	6.1E-10	1.6E-01	5.5E-03	5.3E-13	2.3E-01	1.3E-07	1.0E-03	3.1E-11	1.6E-01	5.5E-03	2.7E-14
4.8E-01	1.2E-06	1.0E-03	6.2E-10	1.6E-01	5.5E-03	5.3E-13	2.2E-01	1.3E-07	1.0E-03	3.0E-11	1.6E-01	5.5E-03	2.6E-14
4.7E-01	1.2E-06	1.0E-03	6.0E-10	1.6E-01	5.5E-03	5.2E-13	2.1E-01	1.3E-07	1.0E-03	2.9E-11	1.6E-01	5.5E-03	2.5E-14
4.5E-01	1.2E-06	1.0E-03	5.8E-10	1.6E-01	5.5E-03	5.0E-13	2.0E-01	1.3E-07	1.0E-03	2.8E-11	1.6E-01	5.5E-03	2.4E-14
4.3E-01	1.2E-06	1.0E-03	5.5E-10	1.6E-01	5.5E-03	4.7E-13	1.9E-01	1.3E-07	1.0E-03	2.6E-11	1.6E-01	5.5E-03	2.3E-14

4.0E-01	1.2E-06	1.0E-03	5.1E-10	1.6E-01	5.5E-03	4.4E-13	1.8E-01	1.3E-07	1.0E-03	2.5E-11	1.6E-01	5.5E-03	2.1E-14
3.6E-01	1.2E-06	1.0E-03	4.6E-10	1.6E-01	5.5E-03	4.0E-13	1.7E-01	1.3E-07	1.0E-03	2.3E-11	1.6E-01	5.5E-03	2.0E-14
3.1E-01	1.2E-06	1.0E-03	4.0E-10	1.6E-01	5.5E-03	3.5E-13	1.5E-01	1.3E-07	1.0E-03	2.1E-11	1.6E-01	5.5E-03	1.8E-14
1.4E+01	1.2E-06	1.0E-03	1.8E-08	1.6E-01	5.5E-03	1.6E-11	2.2E+00	1.3E-07	1.0E-03	3.0E-10	1.6E-01	5.5E-03	2.6E-13
1.8E+01	1.2E-06	1.0E-03	2.4E-08	1.6E-01	5.5E-03	2.0E-11	2.2E+00	1.3E-07	1.0E-03	3.0E-10	1.6E-01	5.5E-03	2.6E-13
2.4E+01	1.2E-06	1.0E-03	3.1E-08	1.6E-01	5.5E-03	2.7E-11	2.1E+00	1.3E-07	1.0E-03	2.9E-10	1.6E-01	5.5E-03	2.5E-13
3.2E+01	1.2E-06	1.0E-03	4.1E-08	1.6E-01	5.5E-03	3.5E-11	2.1E+00	1.3E-07	1.0E-03	2.8E-10	1.6E-01	5.5E-03	2.4E-13
4.2E+01	1.2E-06	1.0E-03	5.5E-08	1.6E-01	5.5E-03	4.7E-11	2.0E+00	1.3E-07	1.0E-03	2.8E-10	1.6E-01	5.5E-03	2.4E-13
5.4E+01	1.2E-06	1.0E-03	6.9E-08	1.6E-01	5.5E-03	6.0E-11	1.9E+00	1.3E-07	1.0E-03	2.7E-10	1.6E-01	5.5E-03	2.3E-13
6.3E+01	1.2E-06	1.0E-03	8.1E-08	1.6E-01	5.5E-03	7.0E-11	1.9E+00	1.3E-07	1.0E-03	2.6E-10	1.6E-01	5.5E-03	2.2E-13
6.8E+01	1.2E-06	1.0E-03	8.8E-08	1.6E-01	5.5E-03	7.5E-11	1.8E+00	1.3E-07	1.0E-03	2.5E-10	1.6E-01	5.5E-03	2.2E-13
7.0E+01	1.2E-06	1.0E-03	9.0E-08	1.6E-01	5.5E-03	7.7E-11	1.7E+00	1.3E-07	1.0E-03	2.4E-10	1.6E-01	5.5E-03	2.1E-13
6.8E+01	1.2E-06	1.0E-03	8.7E-08	1.6E-01	5.5E-03	7.5E-11	1.7E+00	1.3E-07	1.0E-03	2.3E-10	1.6E-01	5.5E-03	2.0E-13
6.1E+01	1.2E-06	1.0E-03	7.8E-08	1.6E-01	5.5E-03	6.7E-11	1.6E+00	1.3E-07	1.0E-03	2.2E-10	1.6E-01	5.5E-03	1.9E-13
5.1E+01	1.2E-06	1.0E-03	6.6E-08	1.6E-01	5.5E-03	5.7E-11	1.5E+00	1.3E-07	1.0E-03	2.1E-10	1.6E-01	5.5E-03	1.8E-13
4.2E+01	1.2E-06	1.0E-03	5.4E-08	1.6E-01	5.5E-03	4.7E-11	1.5E+00	1.3E-07	1.0E-03	2.0E-10	1.6E-01	5.5E-03	1.8E-13
3.5E+01	1.2E-06	1.0E-03	4.5E-08	1.6E-01	5.5E-03	3.8E-11	1.4E+00	1.3E-07	1.0E-03	2.0E-10	1.6E-01	5.5E-03	1.7E-13
2.9E+01	1.2E-06	1.0E-03	3.7E-08	1.6E-01	5.5E-03	3.2E-11	1.3E+00	1.3E-07	1.0E-03	1.9E-10	1.6E-01	5.5E-03	1.6E-13
2.4E+01	1.2E-06	1.0E-03	3.1E-08	1.6E-01	5.5E-03	2.6E-11	1.3E+00	1.3E-07	1.0E-03	1.8E-10	1.6E-01	5.5E-03	1.5E-13
2.0E+01	1.2E-06	1.0E-03	2.6E-08	1.6E-01	5.5E-03	2.2E-11	1.2E+00	1.3E-07	1.0E-03	1.7E-10	1.6E-01	5.5E-03	1.5E-13
1.7E+01	1.2E-06	1.0E-03	2.2E-08	1.6E-01	5.5E-03	1.9E-11	1.2E+00	1.3E-07	1.0E-03	1.6E-10	1.6E-01	5.5E-03	1.4E-13
1.5E+01	1.2E-06	1.0E-03	1.9E-08	1.6E-01	5.5E-03	1.6E-11	1.1E+00	1.3E-07	1.0E-03	1.5E-10	1.6E-01	5.5E-03	1.3E-13
1.3E+01	1.2E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-03	1.4E-11	1.1E+00	1.3E-07	1.0E-03	1.5E-10	1.6E-01	5.5E-03	1.3E-13
1.1E+01	1.2E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-03	1.2E-11	1.0E+00	1.3E-07	1.0E-03	1.4E-10	1.6E-01	5.5E-03	1.2E-13
9.6E+00	1.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-03	1.1E-11	9.5E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-03	1.1E-13
8.5E+00	1.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-03	9.4E-12	9.1E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-03	1.1E-13
7.5E+00	1.2E-06	1.0E-03	9.7E-09	1.6E-01	5.5E-03	8.3E-12	8.7E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	5.5E-03	1.0E-13
6.7E+00	1.2E-06	1.0E-03	8.6E-09	1.6E-01	5.5E-03	7.4E-12	8.3E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.9E-14
6.0E+00	1.2E-06	1.0E-03	7.8E-09	1.6E-01	5.5E-03	6.7E-12	7.9E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.4E-14
1.6E+01	1.2E-06	1.0E-03	2.1E-08	1.6E-01	5.5E-03	1.8E-11	2.0E+00	1.3E-07	1.0E-03	2.8E-10	1.6E-01	5.5E-03	2.4E-13
2.2E+01	1.2E-06	1.0E-03	2.8E-08	1.6E-01	5.5E-03	2.4E-11	2.0E+00	1.3E-07	1.0E-03	2.8E-10	1.6E-01	5.5E-03	2.4E-13
3.0E+01	1.2E-06	1.0E-03	3.9E-08	1.6E-01	5.5E-03	3.3E-11	2.0E+00	1.3E-07	1.0E-03	2.7E-10	1.6E-01	5.5E-03	2.3E-13
4.3E+01	1.2E-06	1.0E-03	5.5E-08	1.6E-01	5.5E-03	4.8E-11	1.9E+00	1.3E-07	1.0E-03	2.7E-10	1.6E-01	5.5E-03	2.3E-13
1.5E+01	1.2E-06	1.0E-03	2.0E-08	1.6E-01	5.5E-03	1.7E-11	1.9E+00	1.3E-07	1.0E-03	2.6E-10	1.6E-01	5.5E-03	2.2E-13
2.2E+01	1.2E-06	1.0E-03	2.8E-08	1.6E-01	5.5E-03	2.4E-11	1.8E+00	1.3E-07	1.0E-03	2.5E-10	1.6E-01	5.5E-03	2.2E-13
3.2E+01	1.2E-06	1.0E-03	4.1E-08	1.6E-01	5.5E-03	3.5E-11	1.8E+00	1.3E-07	1.0E-03	2.4E-10	1.6E-01	5.5E-03	2.1E-13
4.6E+01	1.2E-06	1.0E-03	6.0E-08	1.6E-01	5.5E-03	5.1E-11	1.7E+00	1.3E-07	1.0E-03	2.4E-10	1.6E-01	5.5E-03	2.0E-13
4.7E+01	1.2E-06	1.0E-03	6.1E-08	1.6E-01	5.5E-03	5.2E-11	1.6E+00	1.3E-07	1.0E-03	2.3E-10	1.6E-01	5.5E-03	2.0E-13
3.5E+01	1.2E-06	1.0E-03	4.5E-08	1.6E-01	5.5E-03	3.9E-11	1.6E+00	1.3E-07	1.0E-03	2.2E-10	1.6E-01	5.5E-03	1.9E-13
2.6E+01	1.2E-06	1.0E-03	3.4E-08	1.6E-01	5.5E-03	2.9E-11	1.5E+00	1.3E-07	1.0E-03	2.1E-10	1.6E-01	5.5E-03	1.8E-13
6.8E+01	1.2E-06	1.0E-03	8.8E-08	1.6E-01	5.5E-03	7.6E-11	1.5E+00	1.3E-07	1.0E-03	2.0E-10	1.6E-01	5.5E-03	1.7E-13
5.2E+01	1.2E-06	1.0E-03	6.7E-08	1.6E-01	5.5E-03	5.7E-11	1.4E+00	1.3E-07	1.0E-03	1.9E-10	1.6E-01	5.5E-03	1.7E-13
4.0E+01	1.2E-06	1.0E-03	5.2E-08	1.6E-01	5.5E-03	4.4E-11	1.3E+00	1.3E-07	1.0E-03	1.9E-10	1.6E-01	5.5E-03	1.6E-13
3.2E+01	1.2E-06	1.0E-03	4.1E-08	1.6E-01	5.5E-03	3.5E-11	1.3E+00	1.3E-07	1.0E-03	1.8E-10	1.6E-01	5.5E-03	1.5E-13
2.6E+01	1.2E-06	1.0E-03	3.3E-08	1.6E-01	5.5E-03	2.8E-11	1.2E+00	1.3E-07	1.0E-03	1.7E-10	1.6E-01	5.5E-03	1.5E-13
2.1E+01	1.2E-06	1.0E-03	2.7E-08	1.6E-01	5.5E-03	2.3E-11	1.2E+00	1.3E-07	1.0E-03	1.6E-10	1.6E-01	5.5E-03	1.4E-13

1.8E+01	1.2E-06	1.0E-03	2.3E-08	1.6E-01	5.5E-03	2.0E-11	1.1E+00	1.3E-07	1.0E-03	1.6E-10	1.6E-01	5.5E-03	1.3E-13
1.5E+01	1.2E-06	1.0E-03	1.9E-08	1.6E-01	5.5E-03	1.7E-11	1.1E+00	1.3E-07	1.0E-03	1.5E-10	1.6E-01	5.5E-03	1.3E-13
1.3E+01	1.2E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-03	1.4E-11	1.0E+00	1.3E-07	1.0E-03	1.4E-10	1.6E-01	5.5E-03	1.2E-13
1.1E+01	1.2E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-03	1.2E-11	9.7E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-03	1.2E-13
9.6E+00	1.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-03	1.1E-11	9.2E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-03	1.1E-13
8.4E+00	1.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-03	9.3E-12	8.8E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	5.5E-03	1.1E-13
7.4E+00	1.2E-06	1.0E-03	9.6E-09	1.6E-01	5.5E-03	8.2E-12	8.4E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	5.5E-03	1.0E-13
6.6E+00	1.2E-06	1.0E-03	8.5E-09	1.6E-01	5.5E-03	7.3E-12	8.0E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.6E-14
5.9E+00	1.2E-06	1.0E-03	7.6E-09	1.6E-01	5.5E-03	6.6E-12	7.7E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.2E-14
1.8E+01	1.2E-06	1.0E-03	2.3E-08	1.6E-01	5.5E-03	2.0E-11	1.9E+00	1.3E-07	1.0E-03	2.6E-10	1.6E-01	5.5E-03	2.3E-13
2.5E+01	1.2E-06	1.0E-03	3.2E-08	1.6E-01	5.5E-03	2.8E-11	1.9E+00	1.3E-07	1.0E-03	2.6E-10	1.6E-01	5.5E-03	2.2E-13
3.7E+01	1.2E-06	1.0E-03	4.7E-08	1.6E-01	5.5E-03	4.0E-11	1.8E+00	1.3E-07	1.0E-03	2.5E-10	1.6E-01	5.5E-03	2.2E-13
5.7E+01	1.2E-06	1.0E-03	7.3E-08	1.6E-01	5.5E-03	6.3E-11	1.8E+00	1.3E-07	1.0E-03	2.5E-10	1.6E-01	5.5E-03	2.1E-13
1.8E+01	1.2E-06	1.0E-03	2.3E-08	1.6E-01	5.5E-03	2.0E-11	1.7E+00	1.3E-07	1.0E-03	2.4E-10	1.6E-01	5.5E-03	2.1E-13
2.7E+01	1.2E-06	1.0E-03	3.5E-08	1.6E-01	5.5E-03	3.0E-11	1.7E+00	1.3E-07	1.0E-03	2.4E-10	1.6E-01	5.5E-03	2.0E-13
4.4E+01	1.2E-06	1.0E-03	5.6E-08	1.6E-01	5.5E-03	4.8E-11	1.7E+00	1.3E-07	1.0E-03	2.3E-10	1.6E-01	5.5E-03	2.0E-13
0.0E+00	1.2E-06	1.0E-03	0.0E+00	1.6E-01	5.5E-03	0.0E+00	1.6E+00	1.3E-07	1.0E-03	2.2E-10	1.6E-01	5.5E-03	1.9E-13
0.0E+00	1.2E-06	1.0E-03	0.0E+00	1.6E-01	5.5E-03	0.0E+00	1.6E+00	1.3E-07	1.0E-03	2.1E-10	1.6E-01	5.5E-03	1.8E-13
4.3E+01	1.2E-06	1.0E-03	5.6E-08	1.6E-01	5.5E-03	4.8E-11	1.5E+00	1.3E-07	1.0E-03	2.1E-10	1.6E-01	5.5E-03	1.8E-13
3.0E+01	1.2E-06	1.0E-03	3.9E-08	1.6E-01	5.5E-03	3.3E-11	1.4E+00	1.3E-07	1.0E-03	2.0E-10	1.6E-01	5.5E-03	1.7E-13
2.2E+01	1.2E-06	1.0E-03	2.9E-08	1.6E-01	5.5E-03	2.5E-11	1.4E+00	1.3E-07	1.0E-03	1.9E-10	1.6E-01	5.5E-03	1.7E-13
6.1E+01	1.2E-06	1.0E-03	7.9E-08	1.6E-01	5.5E-03	6.8E-11	1.3E+00	1.3E-07	1.0E-03	1.8E-10	1.6E-01	5.5E-03	1.6E-13
4.4E+01	1.2E-06	1.0E-03	5.7E-08	1.6E-01	5.5E-03	4.9E-11	1.3E+00	1.3E-07	1.0E-03	1.8E-10	1.6E-01	5.5E-03	1.5E-13
3.4E+01	1.2E-06	1.0E-03	4.3E-08	1.6E-01	5.5E-03	3.7E-11	1.2E+00	1.3E-07	1.0E-03	1.7E-10	1.6E-01	5.5E-03	1.5E-13
2.7E+01	1.2E-06	1.0E-03	3.4E-08	1.6E-01	5.5E-03	3.0E-11	1.2E+00	1.3E-07	1.0E-03	1.6E-10	1.6E-01	5.5E-03	1.4E-13
2.2E+01	1.2E-06	1.0E-03	2.8E-08	1.6E-01	5.5E-03	2.4E-11	1.1E+00	1.3E-07	1.0E-03	1.6E-10	1.6E-01	5.5E-03	1.3E-13
1.8E+01	1.2E-06	1.0E-03	2.3E-08	1.6E-01	5.5E-03	2.0E-11	1.1E+00	1.3E-07	1.0E-03	1.5E-10	1.6E-01	5.5E-03	1.3E-13
1.5E+01	1.2E-06	1.0E-03	1.9E-08	1.6E-01	5.5E-03	1.7E-11	1.0E+00	1.3E-07	1.0E-03	1.4E-10	1.6E-01	5.5E-03	1.2E-13
1.3E+01	1.2E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-03	1.4E-11	9.8E-01	1.3E-07	1.0E-03	1.4E-10	1.6E-01	5.5E-03	1.2E-13
1.1E+01	1.2E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-03	1.2E-11	9.4E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-03	1.1E-13
9.4E+00	1.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-03	1.0E-11	9.0E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	5.5E-03	1.1E-13
8.2E+00	1.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-03	9.1E-12	8.6E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	5.5E-03	1.0E-13
7.3E+00	1.2E-06	1.0E-03	9.4E-09	1.6E-01	5.5E-03	8.1E-12	8.2E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.7E-14
6.5E+00	1.2E-06	1.0E-03	8.3E-09	1.6E-01	5.5E-03	7.2E-12	7.8E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.3E-14
5.8E+00	1.2E-06	1.0E-03	7.4E-09	1.6E-01	5.5E-03	6.4E-12	7.5E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	5.5E-03	8.9E-14
1.9E+01	1.2E-06	1.0E-03	2.4E-08	1.6E-01	5.5E-03	2.1E-11	1.8E+00	1.3E-07	1.0E-03	2.5E-10	1.6E-01	5.5E-03	2.1E-13
2.7E+01	1.2E-06	1.0E-03	3.5E-08	1.6E-01	5.5E-03	3.0E-11	1.8E+00	1.3E-07	1.0E-03	2.4E-10	1.6E-01	5.5E-03	2.1E-13
4.1E+01	1.2E-06	1.0E-03	5.3E-08	1.6E-01	5.5E-03	4.6E-11	1.7E+00	1.3E-07	1.0E-03	2.4E-10	1.6E-01	5.5E-03	2.0E-13
1.3E+01	1.2E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-03	1.5E-11	1.7E+00	1.3E-07	1.0E-03	2.3E-10	1.6E-01	5.5E-03	2.0E-13
2.0E+01	1.2E-06	1.0E-03	2.5E-08	1.6E-01	5.5E-03	2.2E-11	1.6E+00	1.3E-07	1.0E-03	2.3E-10	1.6E-01	5.5E-03	2.0E-13
3.1E+01	1.2E-06	1.0E-03	4.0E-08	1.6E-01	5.5E-03	3.5E-11	1.6E+00	1.3E-07	1.0E-03	2.2E-10	1.6E-01	5.5E-03	1.9E-13
0.0E+00	1.2E-06	1.0E-03	0.0E+00	1.6E-01	5.5E-03	0.0E+00	1.6E+00	1.3E-07	1.0E-03	2.2E-10	1.6E-01	5.5E-03	1.9E-13
0.0E+00	1.2E-06	1.0E-03	0.0E+00	1.6E-01	5.5E-03	0.0E+00	1.5E+00	1.3E-07	1.0E-03	2.1E-10	1.6E-01	5.5E-03	1.8E-13
0.0E+00	1.2E-06	1.0E-03	0.0E+00	1.6E-01	5.5E-03	0.0E+00	1.5E+00	1.3E-07	1.0E-03	2.0E-10	1.6E-01	5.5E-03	1.7E-13
5.0E+01	1.2E-06	1.0E-03	6.4E-08	1.6E-01	5.5E-03	5.5E-11	1.4E+00	1.3E-07	1.0E-03	2.0E-10	1.6E-01	5.5E-03	1.7E-13
3.2E+01	1.2E-06	1.0E-03	4.1E-08	1.6E-01	5.5E-03	3.6E-11	1.4E+00	1.3E-07	1.0E-03	1.9E-10	1.6E-01	5.5E-03	1.6E-13

2.3E+01	1.2E-06	1.0E-03	3.0E-08	1.6E-01	5.5E-03	2.6E-11	1.3E+00	1.3E-07	1.0E-03	1.8E-10	1.6E-01	5.5E-03	1.6E-13
6.8E+01	1.2E-06	1.0E-03	8.8E-08	1.6E-01	5.5E-03	7.6E-11	1.3E+00	1.3E-07	1.0E-03	1.8E-10	1.6E-01	5.5E-03	1.5E-13
4.6E+01	1.2E-06	1.0E-03	6.0E-08	1.6E-01	5.5E-03	5.2E-11	1.2E+00	1.3E-07	1.0E-03	1.7E-10	1.6E-01	5.5E-03	1.5E-13
3.4E+01	1.2E-06	1.0E-03	4.4E-08	1.6E-01	5.5E-03	3.8E-11	1.2E+00	1.3E-07	1.0E-03	1.6E-10	1.6E-01	5.5E-03	1.4E-13
2.7E+01	1.2E-06	1.0E-03	3.4E-08	1.6E-01	5.5E-03	3.0E-11	1.1E+00	1.3E-07	1.0E-03	1.6E-10	1.6E-01	5.5E-03	1.3E-13
2.1E+01	1.2E-06	1.0E-03	2.8E-08	1.6E-01	5.5E-03	2.4E-11	1.1E+00	1.3E-07	1.0E-03	1.5E-10	1.6E-01	5.5E-03	1.3E-13
1.8E+01	1.2E-06	1.0E-03	2.3E-08	1.6E-01	5.5E-03	1.9E-11	1.0E+00	1.3E-07	1.0E-03	1.4E-10	1.6E-01	5.5E-03	1.2E-13
1.5E+01	1.2E-06	1.0E-03	1.9E-08	1.6E-01	5.5E-03	1.6E-11	9.9E-01	1.3E-07	1.0E-03	1.4E-10	1.6E-01	5.5E-03	1.2E-13
1.2E+01	1.2E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-03	1.4E-11	9.5E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-03	1.1E-13
1.1E+01	1.2E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-03	1.2E-11	9.1E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-03	1.1E-13
9.2E+00	1.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-03	1.0E-11	8.7E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	5.5E-03	1.0E-13
8.0E+00	1.2E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-03	8.9E-12	8.3E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.9E-14
7.0E+00	1.2E-06	1.0E-03	9.1E-09	1.6E-01	5.5E-03	7.8E-12	7.9E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.5E-14
6.3E+00	1.2E-06	1.0E-03	8.1E-09	1.6E-01	5.5E-03	6.9E-12	7.6E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.1E-14
5.6E+00	1.2E-06	1.0E-03	7.2E-09	1.6E-01	5.5E-03	6.2E-12	7.3E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	5.5E-03	8.7E-14
1.9E+01	1.2E-06	1.0E-03	2.4E-08	1.6E-01	5.5E-03	2.1E-11	1.7E+00	1.3E-07	1.0E-03	2.3E-10	1.6E-01	5.5E-03	2.0E-13
2.7E+01	1.2E-06	1.0E-03	3.5E-08	1.6E-01	5.5E-03	3.0E-11	1.6E+00	1.3E-07	1.0E-03	2.3E-10	1.6E-01	5.5E-03	2.0E-13
4.2E+01	1.2E-06	1.0E-03	5.4E-08	1.6E-01	5.5E-03	4.6E-11	1.6E+00	1.3E-07	1.0E-03	2.2E-10	1.6E-01	5.5E-03	1.9E-13
1.3E+01	1.2E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-03	1.5E-11	1.6E+00	1.3E-07	1.0E-03	2.2E-10	1.6E-01	5.5E-03	1.9E-13
2.0E+01	1.2E-06	1.0E-03	2.6E-08	1.6E-01	5.5E-03	2.2E-11	1.5E+00	1.3E-07	1.0E-03	2.1E-10	1.6E-01	5.5E-03	1.8E-13
2.1E+01	1.2E-06	1.0E-03	2.6E-08	1.6E-01	5.5E-03	2.3E-11	1.0E+00	1.3E-07	1.0E-03	1.4E-10	1.6E-01	5.5E-03	1.2E-13
1.7E+01	1.2E-06	1.0E-03	2.2E-08	1.6E-01	5.5E-03	1.9E-11	1.0E+00	1.3E-07	1.0E-03	1.4E-10	1.6E-01	5.5E-03	1.2E-13
1.4E+01	1.2E-06	1.0E-03	1.8E-08	1.6E-01	5.5E-03	1.6E-11	9.5E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-03	1.1E-13
1.2E+01	1.2E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-03	1.3E-11	9.2E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-03	1.1E-13
1.0E+01	1.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-03	1.1E-11	8.8E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	5.5E-03	1.0E-13
8.8E+00	1.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-03	9.7E-12	8.4E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	5.5E-03	1.0E-13
7.7E+00	1.2E-06	1.0E-03	9.9E-09	1.6E-01	5.5E-03	8.5E-12	8.1E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.6E-14
6.8E+00	1.2E-06	1.0E-03	8.7E-09	1.6E-01	5.5E-03	7.5E-12	7.7E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.2E-14
6.0E+00	1.2E-06	1.0E-03	7.7E-09	1.6E-01	5.5E-03	6.7E-12	7.4E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	5.5E-03	8.8E-14
5.4E+00	1.2E-06	1.0E-03	6.9E-09	1.6E-01	5.5E-03	6.0E-12	7.1E-01	1.3E-07	1.0E-03	9.8E-11	1.6E-01	5.5E-03	8.5E-14
1.8E+01	1.2E-06	1.0E-03	2.3E-08	1.6E-01	5.5E-03	2.0E-11	1.6E+00	1.3E-07	1.0E-03	2.2E-10	1.6E-01	5.5E-03	1.9E-13
2.6E+01	1.2E-06	1.0E-03	3.3E-08	1.6E-01	5.5E-03	2.8E-11	1.5E+00	1.3E-07	1.0E-03	2.1E-10	1.6E-01	5.5E-03	1.8E-13
3.8E+01	1.2E-06	1.0E-03	4.9E-08	1.6E-01	5.5E-03	4.2E-11	1.5E+00	1.3E-07	1.0E-03	2.1E-10	1.6E-01	5.5E-03	1.8E-13
1.2E+01	1.2E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-03	1.4E-11	1.5E+00	1.3E-07	1.0E-03	2.1E-10	1.6E-01	5.5E-03	1.8E-13
1.8E+01	1.2E-06	1.0E-03	2.4E-08	1.6E-01	5.5E-03	2.0E-11	1.5E+00	1.3E-07	1.0E-03	2.0E-10	1.6E-01	5.5E-03	1.7E-13
1.9E+01	1.2E-06	1.0E-03	2.5E-08	1.6E-01	5.5E-03	2.1E-11	1.0E+00	1.3E-07	1.0E-03	1.4E-10	1.6E-01	5.5E-03	1.2E-13
1.6E+01	1.2E-06	1.0E-03	2.0E-08	1.6E-01	5.5E-03	1.7E-11	9.6E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-03	1.1E-13
1.3E+01	1.2E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-03	1.5E-11	9.2E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-03	1.1E-13
1.1E+01	1.2E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-03	1.2E-11	8.8E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	5.5E-03	1.1E-13
9.6E+00	1.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-03	1.1E-11	8.5E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	5.5E-03	1.0E-13
8.3E+00	1.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-03	9.2E-12	8.1E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.7E-14
7.3E+00	1.2E-06	1.0E-03	9.4E-09	1.6E-01	5.5E-03	8.1E-12	7.8E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.3E-14
6.4E+00	1.2E-06	1.0E-03	8.3E-09	1.6E-01	5.5E-03	7.1E-12	7.5E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	5.5E-03	8.9E-14
5.7E+00	1.2E-06	1.0E-03	7.4E-09	1.6E-01	5.5E-03	6.3E-12	7.2E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	5.5E-03	8.6E-14
5.1E+00	1.2E-06	1.0E-03	6.6E-09	1.6E-01	5.5E-03	5.7E-12	6.9E-01	1.3E-07	1.0E-03	9.6E-11	1.6E-01	5.5E-03	8.2E-14
1.6E+01	1.2E-06	1.0E-03	2.1E-08	1.6E-01	5.5E-03	1.8E-11	1.5E+00	1.3E-07	1.0E-03	2.0E-10	1.6E-01	5.5E-03	1.8E-13

2.2E+01	1.2E-06	1.0E-03	2.8E-08	1.6E-01	5.5E-03	2.5E-11	1.5E+00	1.3E-07	1.0E-03	2.0E-10	1.6E-01	5.5E-03	1.7E-13
3.1E+01	1.2E-06	1.0E-03	4.0E-08	1.6E-01	5.5E-03	3.4E-11	1.4E+00	1.3E-07	1.0E-03	2.0E-10	1.6E-01	5.5E-03	1.7E-13
4.5E+01	1.2E-06	1.0E-03	5.8E-08	1.6E-01	5.5E-03	5.0E-11	1.4E+00	1.3E-07	1.0E-03	1.9E-10	1.6E-01	5.5E-03	1.7E-13
1.5E+01	1.2E-06	1.0E-03	2.0E-08	1.6E-01	5.5E-03	1.7E-11	1.4E+00	1.3E-07	1.0E-03	1.9E-10	1.6E-01	5.5E-03	1.6E-13
1.7E+01	1.2E-06	1.0E-03	2.2E-08	1.6E-01	5.5E-03	1.9E-11	9.6E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-03	1.1E-13
1.4E+01	1.2E-06	1.0E-03	1.9E-08	1.6E-01	5.5E-03	1.6E-11	9.2E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-03	1.1E-13
1.2E+01	1.2E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-03	1.3E-11	8.9E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	5.5E-03	1.1E-13
1.0E+01	1.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-03	1.2E-11	8.5E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	5.5E-03	1.0E-13
9.0E+00	1.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-03	9.9E-12	8.2E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.8E-14
7.8E+00	1.2E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-03	8.7E-12	7.9E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.4E-14
6.9E+00	1.2E-06	1.0E-03	8.8E-09	1.6E-01	5.5E-03	7.6E-12	7.6E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.0E-14
6.1E+00	1.2E-06	1.0E-03	7.8E-09	1.6E-01	5.5E-03	6.7E-12	7.3E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	5.5E-03	8.7E-14
5.4E+00	1.2E-06	1.0E-03	7.0E-09	1.6E-01	5.5E-03	6.0E-12	7.0E-01	1.3E-07	1.0E-03	9.7E-11	1.6E-01	5.5E-03	8.4E-14
4.9E+00	1.2E-06	1.0E-03	6.2E-09	1.6E-01	5.5E-03	5.4E-12	6.7E-01	1.3E-07	1.0E-03	9.3E-11	1.6E-01	5.5E-03	8.0E-14
1.5E+01	1.2E-06	1.0E-03	1.9E-08	1.6E-01	5.5E-03	1.6E-11	1.4E+00	1.3E-07	1.0E-03	1.9E-10	1.6E-01	5.5E-03	1.7E-13
1.9E+01	1.2E-06	1.0E-03	2.4E-08	1.6E-01	5.5E-03	2.1E-11	1.4E+00	1.3E-07	1.0E-03	1.9E-10	1.6E-01	5.5E-03	1.6E-13
2.5E+01	1.2E-06	1.0E-03	3.2E-08	1.6E-01	5.5E-03	2.7E-11	1.4E+00	1.3E-07	1.0E-03	1.9E-10	1.6E-01	5.5E-03	1.6E-13
3.3E+01	1.2E-06	1.0E-03	4.2E-08	1.6E-01	5.5E-03	3.6E-11	1.3E+00	1.3E-07	1.0E-03	1.8E-10	1.6E-01	5.5E-03	1.6E-13
4.4E+01	1.2E-06	1.0E-03	5.6E-08	1.6E-01	5.5E-03	4.8E-11	1.3E+00	1.3E-07	1.0E-03	1.8E-10	1.6E-01	5.5E-03	1.6E-13
1.5E+01	1.2E-06	1.0E-03	2.0E-08	1.6E-01	5.5E-03	1.7E-11	9.2E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-03	1.1E-13
1.3E+01	1.2E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-03	1.4E-11	8.9E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	5.5E-03	1.1E-13
1.1E+01	1.2E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-03	1.2E-11	8.6E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	5.5E-03	1.0E-13
9.6E+00	1.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-03	1.1E-11	8.3E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.8E-14
8.3E+00	1.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-03	9.2E-12	8.0E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.5E-14
7.3E+00	1.2E-06	1.0E-03	9.4E-09	1.6E-01	5.5E-03	8.1E-12	7.7E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.1E-14
6.4E+00	1.2E-06	1.0E-03	8.3E-09	1.6E-01	5.5E-03	7.1E-12	7.4E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	5.5E-03	8.8E-14
5.7E+00	1.2E-06	1.0E-03	7.3E-09	1.6E-01	5.5E-03	6.3E-12	7.1E-01	1.3E-07	1.0E-03	9.8E-11	1.6E-01	5.5E-03	8.4E-14
5.1E+00	1.2E-06	1.0E-03	6.6E-09	1.6E-01	5.5E-03	5.6E-12	6.8E-01	1.3E-07	1.0E-03	9.4E-11	1.6E-01	5.5E-03	8.1E-14
4.6E+00	1.2E-06	1.0E-03	5.9E-09	1.6E-01	5.5E-03	5.1E-12	6.6E-01	1.3E-07	1.0E-03	9.1E-11	1.6E-01	5.5E-03	7.8E-14
1.3E+01	1.2E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-03	1.4E-11	1.3E+00	1.3E-07	1.0E-03	1.8E-10	1.6E-01	5.5E-03	1.6E-13
1.6E+01	1.2E-06	1.0E-03	2.0E-08	1.6E-01	5.5E-03	1.7E-11	1.3E+00	1.3E-07	1.0E-03	1.8E-10	1.6E-01	5.5E-03	1.5E-13
2.0E+01	1.2E-06	1.0E-03	2.5E-08	1.6E-01	5.5E-03	2.2E-11	1.3E+00	1.3E-07	1.0E-03	1.8E-10	1.6E-01	5.5E-03	1.5E-13
2.4E+01	1.2E-06	1.0E-03	3.1E-08	1.6E-01	5.5E-03	2.7E-11	1.3E+00	1.3E-07	1.0E-03	1.7E-10	1.6E-01	5.5E-03	1.5E-13
3.0E+01	1.2E-06	1.0E-03	3.9E-08	1.6E-01	5.5E-03	3.4E-11	1.2E+00	1.3E-07	1.0E-03	1.7E-10	1.6E-01	5.5E-03	1.5E-13
1.3E+01	1.2E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-03	1.5E-11	8.9E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	5.5E-03	1.1E-13
1.2E+01	1.2E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-03	1.3E-11	8.6E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	5.5E-03	1.0E-13
1.0E+01	1.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-03	1.1E-11	8.3E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.9E-14
8.7E+00	1.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-03	9.7E-12	8.0E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.5E-14
7.7E+00	1.2E-06	1.0E-03	9.9E-09	1.6E-01	5.5E-03	8.5E-12	7.7E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.2E-14
6.8E+00	1.2E-06	1.0E-03	8.7E-09	1.6E-01	5.5E-03	7.5E-12	7.4E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	5.5E-03	8.9E-14
6.0E+00	1.2E-06	1.0E-03	7.7E-09	1.6E-01	5.5E-03	6.7E-12	7.2E-01	1.3E-07	1.0E-03	9.9E-11	1.6E-01	5.5E-03	8.5E-14
5.3E+00	1.2E-06	1.0E-03	6.9E-09	1.6E-01	5.5E-03	5.9E-12	6.9E-01	1.3E-07	1.0E-03	9.5E-11	1.6E-01	5.5E-03	8.2E-14
4.8E+00	1.2E-06	1.0E-03	6.2E-09	1.6E-01	5.5E-03	5.3E-12	6.6E-01	1.3E-07	1.0E-03	9.2E-11	1.6E-01	5.5E-03	7.9E-14
4.3E+00	1.2E-06	1.0E-03	5.6E-09	1.6E-01	5.5E-03	4.8E-12	6.4E-01	1.3E-07	1.0E-03	8.9E-11	1.6E-01	5.5E-03	7.6E-14
1.1E+01	1.2E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-03	1.2E-11	1.2E+00	1.3E-07	1.0E-03	1.7E-10	1.6E-01	5.5E-03	1.5E-13
1.3E+01	1.2E-06	1.0E-03	1.7E-08	1.6E-01	5.5E-03	1.4E-11	1.2E+00	1.3E-07	1.0E-03	1.7E-10	1.6E-01	5.5E-03	1.5E-13

1.6E+01	1.2E-06	1.0E-03	2.0E-08	1.6E-01	5.5E-03	1.7E-11	1.2E+00	1.3E-07	1.0E-03	1.7E-10	1.6E-01	5.5E-03	1.4E-13
1.9E+01	1.2E-06	1.0E-03	2.4E-08	1.6E-01	5.5E-03	2.1E-11	1.2E+00	1.3E-07	1.0E-03	1.7E-10	1.6E-01	5.5E-03	1.4E-13
2.2E+01	1.2E-06	1.0E-03	2.9E-08	1.6E-01	5.5E-03	2.5E-11	1.2E+00	1.3E-07	1.0E-03	1.6E-10	1.6E-01	5.5E-03	1.4E-13
1.2E+01	1.2E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-03	1.3E-11	8.5E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	5.5E-03	1.0E-13
1.0E+01	1.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-03	1.1E-11	8.3E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.9E-14
9.0E+00	1.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-03	1.0E-11	8.0E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.5E-14
7.9E+00	1.2E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-03	8.8E-12	7.7E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.2E-14
7.0E+00	1.2E-06	1.0E-03	9.0E-09	1.6E-01	5.5E-03	7.8E-12	7.5E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	5.5E-03	8.9E-14
6.2E+00	1.2E-06	1.0E-03	8.0E-09	1.6E-01	5.5E-03	6.9E-12	7.2E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	5.5E-03	8.6E-14
5.6E+00	1.2E-06	1.0E-03	7.2E-09	1.6E-01	5.5E-03	6.2E-12	7.0E-01	1.3E-07	1.0E-03	9.6E-11	1.6E-01	5.5E-03	8.3E-14
5.0E+00	1.2E-06	1.0E-03	6.5E-09	1.6E-01	5.5E-03	5.6E-12	6.7E-01	1.3E-07	1.0E-03	9.3E-11	1.6E-01	5.5E-03	8.0E-14
4.5E+00	1.2E-06	1.0E-03	5.8E-09	1.6E-01	5.5E-03	5.0E-12	6.5E-01	1.3E-07	1.0E-03	8.9E-11	1.6E-01	5.5E-03	7.7E-14
4.1E+00	1.2E-06	1.0E-03	5.3E-09	1.6E-01	5.5E-03	4.5E-12	6.2E-01	1.3E-07	1.0E-03	8.6E-11	1.6E-01	5.5E-03	7.4E-14
9.1E+00	1.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-03	1.0E-11	1.2E+00	1.3E-07	1.0E-03	1.6E-10	1.6E-01	5.5E-03	1.4E-13
1.1E+01	1.2E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-03	1.2E-11	1.2E+00	1.3E-07	1.0E-03	1.6E-10	1.6E-01	5.5E-03	1.4E-13
1.3E+01	1.2E-06	1.0E-03	1.6E-08	1.6E-01	5.5E-03	1.4E-11	1.2E+00	1.3E-07	1.0E-03	1.6E-10	1.6E-01	5.5E-03	1.4E-13
1.5E+01	1.2E-06	1.0E-03	1.9E-08	1.6E-01	5.5E-03	1.6E-11	1.1E+00	1.3E-07	1.0E-03	1.6E-10	1.6E-01	5.5E-03	1.4E-13
1.7E+01	1.2E-06	1.0E-03	2.2E-08	1.6E-01	5.5E-03	1.9E-11	1.1E+00	1.3E-07	1.0E-03	1.5E-10	1.6E-01	5.5E-03	1.3E-13
1.0E+01	1.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-03	1.1E-11	8.2E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.8E-14
9.1E+00	1.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-03	1.0E-11	8.0E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.5E-14
8.1E+00	1.2E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-03	9.0E-12	7.7E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.2E-14
7.2E+00	1.2E-06	1.0E-03	9.3E-09	1.6E-01	5.5E-03	8.0E-12	7.5E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	5.5E-03	8.9E-14
6.4E+00	1.2E-06	1.0E-03	8.3E-09	1.6E-01	5.5E-03	7.1E-12	7.2E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	5.5E-03	8.6E-14
5.8E+00	1.2E-06	1.0E-03	7.4E-09	1.6E-01	5.5E-03	6.4E-12	7.0E-01	1.3E-07	1.0E-03	9.7E-11	1.6E-01	5.5E-03	8.3E-14
5.2E+00	1.2E-06	1.0E-03	6.7E-09	1.6E-01	5.5E-03	5.8E-12	6.8E-01	1.3E-07	1.0E-03	9.3E-11	1.6E-01	5.5E-03	8.0E-14
4.7E+00	1.2E-06	1.0E-03	6.0E-09	1.6E-01	5.5E-03	5.2E-12	6.5E-01	1.3E-07	1.0E-03	9.0E-11	1.6E-01	5.5E-03	7.8E-14
4.2E+00	1.2E-06	1.0E-03	5.5E-09	1.6E-01	5.5E-03	4.7E-12	6.3E-01	1.3E-07	1.0E-03	8.7E-11	1.6E-01	5.5E-03	7.5E-14
3.9E+00	1.2E-06	1.0E-03	5.0E-09	1.6E-01	5.5E-03	4.3E-12	6.1E-01	1.3E-07	1.0E-03	8.4E-11	1.6E-01	5.5E-03	7.2E-14
7.8E+00	1.2E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-03	8.6E-12	1.1E+00	1.3E-07	1.0E-03	1.6E-10	1.6E-01	5.5E-03	1.3E-13
9.0E+00	1.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-03	1.0E-11	1.1E+00	1.3E-07	1.0E-03	1.5E-10	1.6E-01	5.5E-03	1.3E-13
1.0E+01	1.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-03	1.2E-11	1.1E+00	1.3E-07	1.0E-03	1.5E-10	1.6E-01	5.5E-03	1.3E-13
1.2E+01	1.2E-06	1.0E-03	1.5E-08	1.6E-01	5.5E-03	1.3E-11	1.1E+00	1.3E-07	1.0E-03	1.5E-10	1.6E-01	5.5E-03	1.3E-13
1.4E+01	1.2E-06	1.0E-03	1.8E-08	1.6E-01	5.5E-03	1.5E-11	1.1E+00	1.3E-07	1.0E-03	1.5E-10	1.6E-01	5.5E-03	1.3E-13
9.1E+00	1.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-03	1.0E-11	7.9E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.5E-14
8.1E+00	1.2E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-03	9.0E-12	7.7E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.2E-14
7.3E+00	1.2E-06	1.0E-03	9.4E-09	1.6E-01	5.5E-03	8.1E-12	7.5E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	5.5E-03	8.9E-14
6.6E+00	1.2E-06	1.0E-03	8.5E-09	1.6E-01	5.5E-03	7.3E-12	7.2E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	5.5E-03	8.6E-14
5.9E+00	1.2E-06	1.0E-03	7.6E-09	1.6E-01	5.5E-03	6.6E-12	7.0E-01	1.3E-07	1.0E-03	9.7E-11	1.6E-01	5.5E-03	8.3E-14
5.3E+00	1.2E-06	1.0E-03	6.9E-09	1.6E-01	5.5E-03	5.9E-12	6.8E-01	1.3E-07	1.0E-03	9.4E-11	1.6E-01	5.5E-03	8.1E-14
4.8E+00	1.2E-06	1.0E-03	6.2E-09	1.6E-01	5.5E-03	5.4E-12	6.6E-01	1.3E-07	1.0E-03	9.1E-11	1.6E-01	5.5E-03	7.8E-14
4.4E+00	1.2E-06	1.0E-03	5.6E-09	1.6E-01	5.5E-03	4.9E-12	6.3E-01	1.3E-07	1.0E-03	8.8E-11	1.6E-01	5.5E-03	7.6E-14
4.0E+00	1.2E-06	1.0E-03	5.1E-09	1.6E-01	5.5E-03	4.4E-12	6.1E-01	1.3E-07	1.0E-03	8.5E-11	1.6E-01	5.5E-03	7.3E-14
3.6E+00	1.2E-06	1.0E-03	4.7E-09	1.6E-01	5.5E-03	4.0E-12	5.9E-01	1.3E-07	1.0E-03	8.2E-11	1.6E-01	5.5E-03	7.1E-14
6.7E+00	1.2E-06	1.0E-03	8.7E-09	1.6E-01	5.5E-03	7.5E-12	1.1E+00	1.3E-07	1.0E-03	1.5E-10	1.6E-01	5.5E-03	1.3E-13
7.7E+00	1.2E-06	1.0E-03	9.9E-09	1.6E-01	5.5E-03	8.5E-12	1.1E+00	1.3E-07	1.0E-03	1.5E-10	1.6E-01	5.5E-03	1.3E-13
8.8E+00	1.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-03	9.7E-12	1.0E+00	1.3E-07	1.0E-03	1.4E-10	1.6E-01	5.5E-03	1.2E-13

1.0E+01	1.2E-06	1.0E-03	1.3E-08	1.6E-01	5.5E-03	1.1E-11	1.0E+00	1.3E-07	1.0E-03	1.4E-10	1.6E-01	5.5E-03	1.2E-13
1.1E+01	1.2E-06	1.0E-03	1.4E-08	1.6E-01	5.5E-03	1.2E-11	1.0E+00	1.3E-07	1.0E-03	1.4E-10	1.6E-01	5.5E-03	1.2E-13
8.0E+00	1.2E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-03	8.9E-12	7.7E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.1E-14
7.3E+00	1.2E-06	1.0E-03	9.4E-09	1.6E-01	5.5E-03	8.1E-12	7.4E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	5.5E-03	8.9E-14
6.6E+00	1.2E-06	1.0E-03	8.5E-09	1.6E-01	5.5E-03	7.3E-12	7.2E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	5.5E-03	8.6E-14
6.0E+00	1.2E-06	1.0E-03	7.7E-09	1.6E-01	5.5E-03	6.6E-12	7.0E-01	1.3E-07	1.0E-03	9.7E-11	1.6E-01	5.5E-03	8.3E-14
5.4E+00	1.2E-06	1.0E-03	7.0E-09	1.6E-01	5.5E-03	6.0E-12	6.8E-01	1.3E-07	1.0E-03	9.4E-11	1.6E-01	5.5E-03	8.1E-14
4.9E+00	1.2E-06	1.0E-03	6.4E-09	1.6E-01	5.5E-03	5.5E-12	6.6E-01	1.3E-07	1.0E-03	9.1E-11	1.6E-01	5.5E-03	7.8E-14
4.5E+00	1.2E-06	1.0E-03	5.8E-09	1.6E-01	5.5E-03	5.0E-12	6.4E-01	1.3E-07	1.0E-03	8.8E-11	1.6E-01	5.5E-03	7.6E-14
4.1E+00	1.2E-06	1.0E-03	5.3E-09	1.6E-01	5.5E-03	4.6E-12	6.2E-01	1.3E-07	1.0E-03	8.5E-11	1.6E-01	5.5E-03	7.4E-14
3.8E+00	1.2E-06	1.0E-03	4.8E-09	1.6E-01	5.5E-03	4.2E-12	6.0E-01	1.3E-07	1.0E-03	8.3E-11	1.6E-01	5.5E-03	7.1E-14
3.4E+00	1.2E-06	1.0E-03	4.4E-09	1.6E-01	5.5E-03	3.8E-12	5.8E-01	1.3E-07	1.0E-03	8.0E-11	1.6E-01	5.5E-03	6.9E-14
5.9E+00	1.2E-06	1.0E-03	7.6E-09	1.6E-01	5.5E-03	6.5E-12	1.0E+00	1.3E-07	1.0E-03	1.4E-10	1.6E-01	5.5E-03	1.2E-13
6.6E+00	1.2E-06	1.0E-03	8.5E-09	1.6E-01	5.5E-03	7.3E-12	1.0E+00	1.3E-07	1.0E-03	1.4E-10	1.6E-01	5.5E-03	1.2E-13
7.4E+00	1.2E-06	1.0E-03	9.5E-09	1.6E-01	5.5E-03	8.2E-12	9.9E-01	1.3E-07	1.0E-03	1.4E-10	1.6E-01	5.5E-03	1.2E-13
8.3E+00	1.2E-06	1.0E-03	1.1E-08	1.6E-01	5.5E-03	9.2E-12	9.8E-01	1.3E-07	1.0E-03	1.4E-10	1.6E-01	5.5E-03	1.2E-13
9.2E+00	1.2E-06	1.0E-03	1.2E-08	1.6E-01	5.5E-03	1.0E-11	9.7E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-03	1.2E-13
7.1E+00	1.2E-06	1.0E-03	9.2E-09	1.6E-01	5.5E-03	7.9E-12	7.4E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	5.5E-03	8.8E-14
6.6E+00	1.2E-06	1.0E-03	8.4E-09	1.6E-01	5.5E-03	7.3E-12	7.2E-01	1.3E-07	1.0E-03	9.9E-11	1.6E-01	5.5E-03	8.6E-14
6.0E+00	1.2E-06	1.0E-03	7.7E-09	1.6E-01	5.5E-03	6.6E-12	7.0E-01	1.3E-07	1.0E-03	9.7E-11	1.6E-01	5.5E-03	8.3E-14
5.5E+00	1.2E-06	1.0E-03	7.0E-09	1.6E-01	5.5E-03	6.1E-12	6.8E-01	1.3E-07	1.0E-03	9.4E-11	1.6E-01	5.5E-03	8.1E-14
5.0E+00	1.2E-06	1.0E-03	6.4E-09	1.6E-01	5.5E-03	5.5E-12	6.6E-01	1.3E-07	1.0E-03	9.1E-11	1.6E-01	5.5E-03	7.8E-14
4.6E+00	1.2E-06	1.0E-03	5.9E-09	1.6E-01	5.5E-03	5.1E-12	6.4E-01	1.3E-07	1.0E-03	8.8E-11	1.6E-01	5.5E-03	7.6E-14
4.2E+00	1.2E-06	1.0E-03	5.4E-09	1.6E-01	5.5E-03	4.6E-12	6.2E-01	1.3E-07	1.0E-03	8.6E-11	1.6E-01	5.5E-03	7.4E-14
3.8E+00	1.2E-06	1.0E-03	5.0E-09	1.6E-01	5.5E-03	4.3E-12	6.0E-01	1.3E-07	1.0E-03	8.3E-11	1.6E-01	5.5E-03	7.2E-14
3.5E+00	1.2E-06	1.0E-03	4.5E-09	1.6E-01	5.5E-03	3.9E-12	5.8E-01	1.3E-07	1.0E-03	8.1E-11	1.6E-01	5.5E-03	6.9E-14
3.2E+00	1.2E-06	1.0E-03	4.2E-09	1.6E-01	5.5E-03	3.6E-12	5.6E-01	1.3E-07	1.0E-03	7.8E-11	1.6E-01	5.5E-03	6.7E-14
5.2E+00	1.2E-06	1.0E-03	6.7E-09	1.6E-01	5.5E-03	5.7E-12	9.7E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-03	1.2E-13
5.8E+00	1.2E-06	1.0E-03	7.4E-09	1.6E-01	5.5E-03	6.4E-12	9.6E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-03	1.1E-13
6.4E+00	1.2E-06	1.0E-03	8.3E-09	1.6E-01	5.5E-03	7.1E-12	9.5E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-03	1.1E-13
7.1E+00	1.2E-06	1.0E-03	9.1E-09	1.6E-01	5.5E-03	7.9E-12	9.4E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-03	1.1E-13
7.8E+00	1.2E-06	1.0E-03	1.0E-08	1.6E-01	5.5E-03	8.6E-12	9.2E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-03	1.1E-13
6.4E+00	1.2E-06	1.0E-03	8.2E-09	1.6E-01	5.5E-03	7.1E-12	7.1E-01	1.3E-07	1.0E-03	9.9E-11	1.6E-01	5.5E-03	8.5E-14
5.9E+00	1.2E-06	1.0E-03	7.6E-09	1.6E-01	5.5E-03	6.6E-12	6.9E-01	1.3E-07	1.0E-03	9.6E-11	1.6E-01	5.5E-03	8.3E-14
5.4E+00	1.2E-06	1.0E-03	7.0E-09	1.6E-01	5.5E-03	6.0E-12	6.7E-01	1.3E-07	1.0E-03	9.3E-11	1.6E-01	5.5E-03	8.0E-14
5.0E+00	1.2E-06	1.0E-03	6.4E-09	1.6E-01	5.5E-03	5.5E-12	6.6E-01	1.3E-07	1.0E-03	9.1E-11	1.6E-01	5.5E-03	7.8E-14
4.6E+00	1.2E-06	1.0E-03	5.9E-09	1.6E-01	5.5E-03	5.1E-12	6.4E-01	1.3E-07	1.0E-03	8.8E-11	1.6E-01	5.5E-03	7.6E-14
4.2E+00	1.2E-06	1.0E-03	5.4E-09	1.6E-01	5.5E-03	4.7E-12	6.2E-01	1.3E-07	1.0E-03	8.6E-11	1.6E-01	5.5E-03	7.4E-14
3.9E+00	1.2E-06	1.0E-03	5.0E-09	1.6E-01	5.5E-03	4.3E-12	6.0E-01	1.3E-07	1.0E-03	8.3E-11	1.6E-01	5.5E-03	7.2E-14
3.6E+00	1.2E-06	1.0E-03	4.6E-09	1.6E-01	5.5E-03	4.0E-12	5.8E-01	1.3E-07	1.0E-03	8.1E-11	1.6E-01	5.5E-03	6.9E-14
3.3E+00	1.2E-06	1.0E-03	4.3E-09	1.6E-01	5.5E-03	3.7E-12	5.7E-01	1.3E-07	1.0E-03	7.8E-11	1.6E-01	5.5E-03	6.7E-14
3.0E+00	1.2E-06	1.0E-03	3.9E-09	1.6E-01	5.5E-03	3.4E-12	5.5E-01	1.3E-07	1.0E-03	7.6E-11	1.6E-01	5.5E-03	6.5E-14
4.6E+00	1.2E-06	1.0E-03	5.9E-09	1.6E-01	5.5E-03	5.1E-12	9.2E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-03	1.1E-13
5.1E+00	1.2E-06	1.0E-03	6.5E-09	1.6E-01	5.5E-03	5.6E-12	9.2E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-03	1.1E-13
5.6E+00	1.2E-06	1.0E-03	7.2E-09	1.6E-01	5.5E-03	6.2E-12	9.0E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	5.5E-03	1.1E-13
6.1E+00	1.2E-06	1.0E-03	7.9E-09	1.6E-01	5.5E-03	6.8E-12	8.9E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	5.5E-03	1.1E-13

6.6E+00	1.2E-06	1.0E-03	8.5E-09	1.6E-01	5.5E-03	7.3E-12	8.8E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	5.5E-03	1.1E-13
5.7E+00	1.2E-06	1.0E-03	7.4E-09	1.6E-01	5.5E-03	6.4E-12	6.9E-01	1.3E-07	1.0E-03	9.5E-11	1.6E-01	5.5E-03	8.2E-14
5.3E+00	1.2E-06	1.0E-03	6.9E-09	1.6E-01	5.5E-03	5.9E-12	6.7E-01	1.3E-07	1.0E-03	9.3E-11	1.6E-01	5.5E-03	8.0E-14
4.9E+00	1.2E-06	1.0E-03	6.4E-09	1.6E-01	5.5E-03	5.5E-12	6.5E-01	1.3E-07	1.0E-03	9.0E-11	1.6E-01	5.5E-03	7.8E-14
4.6E+00	1.2E-06	1.0E-03	5.9E-09	1.6E-01	5.5E-03	5.1E-12	6.3E-01	1.3E-07	1.0E-03	8.8E-11	1.6E-01	5.5E-03	7.6E-14
4.2E+00	1.2E-06	1.0E-03	5.4E-09	1.6E-01	5.5E-03	4.6E-12	6.1E-01	1.3E-07	1.0E-03	8.5E-11	1.6E-01	5.5E-03	7.3E-14
3.8E+00	1.2E-06	1.0E-03	5.0E-09	1.6E-01	5.5E-03	4.3E-12	6.0E-01	1.3E-07	1.0E-03	8.3E-11	1.6E-01	5.5E-03	7.1E-14
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3.3E+00	1.2E-06	1.0E-03	4.3E-09	1.6E-01	5.5E-03	3.7E-12	5.6E-01	1.3E-07	1.0E-03	7.8E-11	1.6E-01	5.5E-03	6.7E-14
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2.8E+00	1.2E-06	1.0E-03	3.7E-09	1.6E-01	5.5E-03	3.1E-12	5.3E-01	1.3E-07	1.0E-03	7.3E-11	1.6E-01	5.5E-03	6.3E-14
4.1E+00	1.2E-06	1.0E-03	5.3E-09	1.6E-01	5.5E-03	4.5E-12	8.8E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	5.5E-03	1.1E-13
4.5E+00	1.2E-06	1.0E-03	5.8E-09	1.6E-01	5.5E-03	5.0E-12	8.7E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	5.5E-03	1.0E-13
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5.3E+00	1.2E-06	1.0E-03	6.9E-09	1.6E-01	5.5E-03	5.9E-12	8.5E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	5.5E-03	1.0E-13
5.7E+00	1.2E-06	1.0E-03	7.4E-09	1.6E-01	5.5E-03	6.3E-12	8.4E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	5.5E-03	1.0E-13
4.9E+00	1.2E-06	1.0E-03	6.2E-09	1.6E-01	5.5E-03	5.4E-12	6.5E-01	1.3E-07	1.0E-03	9.0E-11	1.6E-01	5.5E-03	7.7E-14
4.5E+00	1.2E-06	1.0E-03	5.8E-09	1.6E-01	5.5E-03	5.0E-12	6.3E-01	1.3E-07	1.0E-03	8.7E-11	1.6E-01	5.5E-03	7.5E-14
4.2E+00	1.2E-06	1.0E-03	5.4E-09	1.6E-01	5.5E-03	4.6E-12	6.1E-01	1.3E-07	1.0E-03	8.5E-11	1.6E-01	5.5E-03	7.3E-14
3.8E+00	1.2E-06	1.0E-03	4.8E-09	1.6E-01	5.5E-03	4.2E-12	5.9E-01	1.3E-07	1.0E-03	8.2E-11	1.6E-01	5.5E-03	7.0E-14
3.5E+00	1.2E-06	1.0E-03	4.5E-09	1.6E-01	5.5E-03	3.9E-12	5.7E-01	1.3E-07	1.0E-03	7.9E-11	1.6E-01	5.5E-03	6.8E-14
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4.0E+00	1.2E-06	1.0E-03	5.2E-09	1.6E-01	5.5E-03	4.5E-12	8.4E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	5.5E-03	1.0E-13
4.3E+00	1.2E-06	1.0E-03	5.6E-09	1.6E-01	5.5E-03	4.8E-12	8.3E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.9E-14
4.7E+00	1.2E-06	1.0E-03	6.0E-09	1.6E-01	5.5E-03	5.2E-12	8.2E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.7E-14
5.0E+00	1.2E-06	1.0E-03	6.4E-09	1.6E-01	5.5E-03	5.5E-12	8.1E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.6E-14
4.2E+00	1.2E-06	1.0E-03	5.4E-09	1.6E-01	5.5E-03	4.6E-12	6.1E-01	1.3E-07	1.0E-03	8.5E-11	1.6E-01	5.5E-03	7.3E-14
3.9E+00	1.2E-06	1.0E-03	5.0E-09	1.6E-01	5.5E-03	4.3E-12	6.0E-01	1.3E-07	1.0E-03	8.3E-11	1.6E-01	5.5E-03	7.1E-14
3.6E+00	1.2E-06	1.0E-03	4.6E-09	1.6E-01	5.5E-03	4.0E-12	5.8E-01	1.3E-07	1.0E-03	8.0E-11	1.6E-01	5.5E-03	6.9E-14
3.3E+00	1.2E-06	1.0E-03	4.3E-09	1.6E-01	5.5E-03	3.7E-12	5.6E-01	1.3E-07	1.0E-03	7.8E-11	1.6E-01	5.5E-03	6.7E-14
3.1E+00	1.2E-06	1.0E-03	4.0E-09	1.6E-01	5.5E-03	3.4E-12	5.5E-01	1.3E-07	1.0E-03	7.6E-11	1.6E-01	5.5E-03	6.5E-14
2.9E+00	1.2E-06	1.0E-03	3.7E-09	1.6E-01	5.5E-03	3.2E-12	5.3E-01	1.3E-07	1.0E-03	7.3E-11	1.6E-01	5.5E-03	6.3E-14
2.7E+00	1.2E-06	1.0E-03	3.4E-09	1.6E-01	5.5E-03	3.0E-12	5.1E-01	1.3E-07	1.0E-03	7.1E-11	1.6E-01	5.5E-03	6.1E-14
2.5E+00	1.2E-06	1.0E-03	3.2E-09	1.6E-01	5.5E-03	2.7E-12	5.0E-01	1.3E-07	1.0E-03	6.9E-11	1.6E-01	5.5E-03	5.9E-14
3.3E+00	1.2E-06	1.0E-03	4.3E-09	1.6E-01	5.5E-03	3.7E-12	8.1E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.6E-14
3.6E+00	1.2E-06	1.0E-03	4.6E-09	1.6E-01	5.5E-03	4.0E-12	8.0E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.5E-14
3.9E+00	1.2E-06	1.0E-03	5.0E-09	1.6E-01	5.5E-03	4.3E-12	7.9E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.4E-14
4.1E+00	1.2E-06	1.0E-03	5.3E-09	1.6E-01	5.5E-03	4.6E-12	7.8E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.3E-14
4.4E+00	1.2E-06	1.0E-03	5.7E-09	1.6E-01	5.5E-03	4.9E-12	7.7E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.2E-14
3.6E+00	1.2E-06	1.0E-03	4.7E-09	1.6E-01	5.5E-03	4.0E-12	5.8E-01	1.3E-07	1.0E-03	8.0E-11	1.6E-01	5.5E-03	6.9E-14
3.4E+00	1.2E-06	1.0E-03	4.4E-09	1.6E-01	5.5E-03	3.8E-12	5.7E-01	1.3E-07	1.0E-03	7.8E-11	1.6E-01	5.5E-03	6.7E-14
3.2E+00	1.2E-06	1.0E-03	4.1E-09	1.6E-01	5.5E-03	3.6E-12	5.5E-01	1.3E-07	1.0E-03	7.6E-11	1.6E-01	5.5E-03	6.6E-14

3.0E+00	1.2E-06	1.0E-03	3.9E-09	1.6E-01	5.5E-03	3.3E-12	5.4E-01	1.3E-07	1.0E-03	7.4E-11	1.6E-01	5.5E-03	6.4E-14
2.8E+00	1.2E-06	1.0E-03	3.6E-09	1.6E-01	5.5E-03	3.1E-12	5.2E-01	1.3E-07	1.0E-03	7.2E-11	1.6E-01	5.5E-03	6.2E-14
2.6E+00	1.2E-06	1.0E-03	3.3E-09	1.6E-01	5.5E-03	2.9E-12	5.1E-01	1.3E-07	1.0E-03	7.0E-11	1.6E-01	5.5E-03	6.0E-14
2.4E+00	1.2E-06	1.0E-03	3.1E-09	1.6E-01	5.5E-03	2.7E-12	4.9E-01	1.3E-07	1.0E-03	6.8E-11	1.6E-01	5.5E-03	5.8E-14
3.0E+00	1.2E-06	1.0E-03	3.9E-09	1.6E-01	5.5E-03	3.3E-12	7.7E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.2E-14
3.3E+00	1.2E-06	1.0E-03	4.2E-09	1.6E-01	5.5E-03	3.6E-12	7.7E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.1E-14
3.5E+00	1.2E-06	1.0E-03	4.5E-09	1.6E-01	5.5E-03	3.9E-12	7.6E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	5.5E-03	9.0E-14
3.7E+00	1.2E-06	1.0E-03	4.8E-09	1.6E-01	5.5E-03	4.1E-12	7.5E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	5.5E-03	9.0E-14
3.9E+00	1.2E-06	1.0E-03	5.0E-09	1.6E-01	5.5E-03	4.3E-12	7.4E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	5.5E-03	8.9E-14
3.2E+00	1.2E-06	1.0E-03	4.1E-09	1.6E-01	5.5E-03	3.5E-12	5.5E-01	1.3E-07	1.0E-03	7.6E-11	1.6E-01	5.5E-03	6.6E-14
3.0E+00	1.2E-06	1.0E-03	3.9E-09	1.6E-01	5.5E-03	3.3E-12	5.4E-01	1.3E-07	1.0E-03	7.4E-11	1.6E-01	5.5E-03	6.4E-14
2.8E+00	1.2E-06	1.0E-03	3.6E-09	1.6E-01	5.5E-03	3.1E-12	5.2E-01	1.3E-07	1.0E-03	7.2E-11	1.6E-01	5.5E-03	6.2E-14
2.7E+00	1.2E-06	1.0E-03	3.4E-09	1.6E-01	5.5E-03	2.9E-12	5.1E-01	1.3E-07	1.0E-03	7.0E-11	1.6E-01	5.5E-03	6.1E-14
2.5E+00	1.2E-06	1.0E-03	3.2E-09	1.6E-01	5.5E-03	2.8E-12	5.0E-01	1.3E-07	1.0E-03	6.9E-11	1.6E-01	5.5E-03	5.9E-14
2.3E+00	1.2E-06	1.0E-03	3.0E-09	1.6E-01	5.5E-03	2.6E-12	4.8E-01	1.3E-07	1.0E-03	6.6E-11	1.6E-01	5.5E-03	5.7E-14
2.7E+00	1.2E-06	1.0E-03	3.5E-09	1.6E-01	5.5E-03	3.0E-12	7.4E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	5.5E-03	8.8E-14
2.9E+00	1.2E-06	1.0E-03	3.8E-09	1.6E-01	5.5E-03	3.3E-12	7.3E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	5.5E-03	8.8E-14
3.1E+00	1.2E-06	1.0E-03	4.0E-09	1.6E-01	5.5E-03	3.5E-12	7.3E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	5.5E-03	8.7E-14
3.3E+00	1.2E-06	1.0E-03	4.3E-09	1.6E-01	5.5E-03	3.7E-12	7.2E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	5.5E-03	8.6E-14
3.5E+00	1.2E-06	1.0E-03	4.5E-09	1.6E-01	5.5E-03	3.9E-12	7.1E-01	1.3E-07	1.0E-03	9.9E-11	1.6E-01	5.5E-03	8.5E-14
3.0E+00	1.2E-06	1.0E-03	3.8E-09	1.6E-01	5.5E-03	3.3E-12	5.3E-01	1.3E-07	1.0E-03	7.4E-11	1.6E-01	5.5E-03	6.4E-14
2.8E+00	1.2E-06	1.0E-03	3.6E-09	1.6E-01	5.5E-03	3.1E-12	5.2E-01	1.3E-07	1.0E-03	7.2E-11	1.6E-01	5.5E-03	6.2E-14
2.7E+00	1.2E-06	1.0E-03	3.4E-09	1.6E-01	5.5E-03	3.0E-12	5.1E-01	1.3E-07	1.0E-03	7.0E-11	1.6E-01	5.5E-03	6.1E-14
2.5E+00	1.2E-06	1.0E-03	3.2E-09	1.6E-01	5.5E-03	2.8E-12	5.0E-01	1.3E-07	1.0E-03	6.9E-11	1.6E-01	5.5E-03	5.9E-14
2.4E+00	1.2E-06	1.0E-03	3.0E-09	1.6E-01	5.5E-03	2.6E-12	4.8E-01	1.3E-07	1.0E-03	6.7E-11	1.6E-01	5.5E-03	5.8E-14
2.2E+00	1.2E-06	1.0E-03	2.8E-09	1.6E-01	5.5E-03	2.4E-12	4.7E-01	1.3E-07	1.0E-03	6.5E-11	1.6E-01	5.5E-03	5.6E-14
2.5E+00	1.2E-06	1.0E-03	3.2E-09	1.6E-01	5.5E-03	2.8E-12	7.1E-01	1.3E-07	1.0E-03	9.8E-11	1.6E-01	5.5E-03	8.5E-14
2.7E+00	1.2E-06	1.0E-03	3.4E-09	1.6E-01	5.5E-03	3.0E-12	7.0E-01	1.3E-07	1.0E-03	9.8E-11	1.6E-01	5.5E-03	8.4E-14
2.8E+00	1.2E-06	1.0E-03	3.7E-09	1.6E-01	5.5E-03	3.1E-12	7.0E-01	1.3E-07	1.0E-03	9.7E-11	1.6E-01	5.5E-03	8.3E-14
3.0E+00	1.2E-06	1.0E-03	3.9E-09	1.6E-01	5.5E-03	3.3E-12	6.9E-01	1.3E-07	1.0E-03	9.6E-11	1.6E-01	5.5E-03	8.3E-14
3.1E+00	1.2E-06	1.0E-03	4.0E-09	1.6E-01	5.5E-03	3.5E-12	6.9E-01	1.3E-07	1.0E-03	9.5E-11	1.6E-01	5.5E-03	8.2E-14
2.8E+00	1.2E-06	1.0E-03	3.6E-09	1.6E-01	5.5E-03	3.1E-12	5.2E-01	1.3E-07	1.0E-03	7.2E-11	1.6E-01	5.5E-03	6.2E-14
2.6E+00	1.2E-06	1.0E-03	3.4E-09	1.6E-01	5.5E-03	2.9E-12	5.1E-01	1.3E-07	1.0E-03	7.0E-11	1.6E-01	5.5E-03	6.0E-14
2.5E+00	1.2E-06	1.0E-03	3.2E-09	1.6E-01	5.5E-03	2.8E-12	5.0E-01	1.3E-07	1.0E-03	6.9E-11	1.6E-01	5.5E-03	5.9E-14
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2.3E+00	1.2E-06	1.0E-03	3.0E-09	1.6E-01	5.5E-03	2.6E-12	6.8E-01	1.3E-07	1.0E-03	9.4E-11	1.6E-01	5.5E-03	8.1E-14
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2.7E+00	1.2E-06	1.0E-03	3.5E-09	1.6E-01	5.5E-03	3.0E-12	6.7E-01	1.3E-07	1.0E-03	9.2E-11	1.6E-01	5.5E-03	7.9E-14
2.8E+00	1.2E-06	1.0E-03	3.7E-09	1.6E-01	5.5E-03	3.1E-12	6.6E-01	1.3E-07	1.0E-03	9.1E-11	1.6E-01	5.5E-03	7.9E-14
2.6E+00	1.2E-06	1.0E-03	3.3E-09	1.6E-01	5.5E-03	2.9E-12	5.0E-01	1.3E-07	1.0E-03	7.0E-11	1.6E-01	5.5E-03	6.0E-14
2.5E+00	1.2E-06	1.0E-03	3.2E-09	1.6E-01	5.5E-03	2.7E-12	4.9E-01	1.3E-07	1.0E-03	6.8E-11	1.6E-01	5.5E-03	5.9E-14
2.4E+00	1.2E-06	1.0E-03	3.0E-09	1.6E-01	5.5E-03	2.6E-12	4.8E-01	1.3E-07	1.0E-03	6.7E-11	1.6E-01	5.5E-03	5.7E-14
2.2E+00	1.2E-06	1.0E-03	2.9E-09	1.6E-01	5.5E-03	2.5E-12	4.7E-01	1.3E-07	1.0E-03	6.5E-11	1.6E-01	5.5E-03	5.6E-14

2.1E+00	1.2E-06	1.0E-03	2.7E-09	1.6E-01	5.5E-03	2.4E-12	4.6E-01	1.3E-07	1.0E-03	6.4E-11	1.6E-01	5.5E-03	5.5E-14
2.0E+00	1.2E-06	1.0E-03	2.6E-09	1.6E-01	5.5E-03	2.2E-12	4.5E-01	1.3E-07	1.0E-03	6.2E-11	1.6E-01	5.5E-03	5.3E-14
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2.2E+00	1.2E-06	1.0E-03	2.9E-09	1.6E-01	5.5E-03	2.5E-12	6.5E-01	1.3E-07	1.0E-03	9.0E-11	1.6E-01	5.5E-03	7.7E-14
2.4E+00	1.2E-06	1.0E-03	3.0E-09	1.6E-01	5.5E-03	2.6E-12	6.5E-01	1.3E-07	1.0E-03	8.9E-11	1.6E-01	5.5E-03	7.7E-14
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2.4E+00	1.2E-06	1.0E-03	3.1E-09	1.6E-01	5.5E-03	2.7E-12	4.9E-01	1.3E-07	1.0E-03	6.8E-11	1.6E-01	5.5E-03	5.8E-14
2.3E+00	1.2E-06	1.0E-03	3.0E-09	1.6E-01	5.5E-03	2.6E-12	4.8E-01	1.3E-07	1.0E-03	6.6E-11	1.6E-01	5.5E-03	5.7E-14
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2.4E+00	1.2E-06	1.0E-03	3.0E-09	1.6E-01	5.5E-03	2.6E-12	6.1E-01	1.3E-07	1.0E-03	8.4E-11	1.6E-01	5.5E-03	7.3E-14
2.4E+00	1.2E-06	1.0E-03	3.1E-09	1.6E-01	5.5E-03	2.7E-12	6.0E-01	1.3E-07	1.0E-03	8.4E-11	1.6E-01	5.5E-03	7.2E-14
2.5E+00	1.2E-06	1.0E-03	3.2E-09	1.6E-01	5.5E-03	2.8E-12	6.0E-01	1.3E-07	1.0E-03	8.3E-11	1.6E-01	5.5E-03	7.1E-14
2.6E+00	1.2E-06	1.0E-03	3.3E-09	1.6E-01	5.5E-03	2.9E-12	5.9E-01	1.3E-07	1.0E-03	8.2E-11	1.6E-01	5.5E-03	7.0E-14
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2.7E+00	1.2E-06	1.0E-03	3.4E-09	1.6E-01	5.5E-03	3.0E-12	5.8E-01	1.3E-07	1.0E-03	8.0E-11	1.6E-01	5.5E-03	6.9E-14
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2.7E+00	1.2E-06	1.0E-03	3.5E-09	1.6E-01	5.5E-03	3.0E-12	5.6E-01	1.3E-07	1.0E-03	7.7E-11	1.6E-01	5.5E-03	6.7E-14
2.7E+00	1.2E-06	1.0E-03	3.5E-09	1.6E-01	5.5E-03	3.0E-12	5.5E-01	1.3E-07	1.0E-03	7.6E-11	1.6E-01	5.5E-03	6.6E-14
2.7E+00	1.2E-06	1.0E-03	3.5E-09	1.6E-01	5.5E-03	3.0E-12	5.4E-01	1.3E-07	1.0E-03	7.5E-11	1.6E-01	5.5E-03	6.5E-14
2.7E+00	1.2E-06	1.0E-03	3.4E-09	1.6E-01	5.5E-03	2.9E-12	5.3E-01	1.3E-07	1.0E-03	7.4E-11	1.6E-01	5.5E-03	6.4E-14
2.6E+00	1.2E-06	1.0E-03	3.4E-09	1.6E-01	5.5E-03	2.9E-12	5.2E-01	1.3E-07	1.0E-03	7.3E-11	1.6E-01	5.5E-03	6.2E-14
2.6E+00	1.2E-06	1.0E-03	3.3E-09	1.6E-01	5.5E-03	2.8E-12	5.1E-01	1.3E-07	1.0E-03	7.1E-11	1.6E-01	5.5E-03	6.1E-14
2.5E+00	1.2E-06	1.0E-03	3.2E-09	1.6E-01	5.5E-03	2.8E-12	5.1E-01	1.3E-07	1.0E-03	7.0E-11	1.6E-01	5.5E-03	6.0E-14
2.4E+00	1.2E-06	1.0E-03	3.1E-09	1.6E-01	5.5E-03	2.7E-12	5.0E-01	1.3E-07	1.0E-03	6.9E-11	1.6E-01	5.5E-03	5.9E-14
2.3E+00	1.2E-06	1.0E-03	3.0E-09	1.6E-01	5.5E-03	2.6E-12	4.9E-01	1.3E-07	1.0E-03	6.7E-11	1.6E-01	5.5E-03	5.8E-14
2.3E+00	1.2E-06	1.0E-03	2.9E-09	1.6E-01	5.5E-03	2.5E-12	4.8E-01	1.3E-07	1.0E-03	6.6E-11	1.6E-01	5.5E-03	5.7E-14
2.2E+00	1.2E-06	1.0E-03	2.8E-09	1.6E-01	5.5E-03	2.4E-12	4.7E-01	1.3E-07	1.0E-03	6.5E-11	1.6E-01	5.5E-03	5.6E-14
2.1E+00	1.2E-06	1.0E-03	2.7E-09	1.6E-01	5.5E-03	2.3E-12	4.6E-01	1.3E-07	1.0E-03	6.3E-11	1.6E-01	5.5E-03	5.5E-14
2.0E+00	1.2E-06	1.0E-03	2.6E-09	1.6E-01	5.5E-03	2.2E-12	4.5E-01	1.3E-07	1.0E-03	6.2E-11	1.6E-01	5.5E-03	5.3E-14
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1.8E+00	1.2E-06	1.0E-03	2.4E-09	1.6E-01	5.5E-03	2.0E-12	4.3E-01	1.3E-07	1.0E-03	5.9E-11	1.6E-01	5.5E-03	5.1E-14
1.8E+00	1.2E-06	1.0E-03	2.3E-09	1.6E-01	5.5E-03	2.0E-12	6.1E-01	1.3E-07	1.0E-03	8.4E-11	1.6E-01	5.5E-03	7.2E-14
1.9E+00	1.2E-06	1.0E-03	2.5E-09	1.6E-01	5.5E-03	2.1E-12	6.0E-01	1.3E-07	1.0E-03	8.3E-11	1.6E-01	5.5E-03	7.2E-14
2.0E+00	1.2E-06	1.0E-03	2.6E-09	1.6E-01	5.5E-03	2.2E-12	6.0E-01	1.3E-07	1.0E-03	8.3E-11	1.6E-01	5.5E-03	7.1E-14
2.1E+00	1.2E-06	1.0E-03	2.7E-09	1.6E-01	5.5E-03	2.3E-12	5.9E-01	1.3E-07	1.0E-03	8.2E-11	1.6E-01	5.5E-03	7.1E-14
2.2E+00	1.2E-06	1.0E-03	2.8E-09	1.6E-01	5.5E-03	2.4E-12	5.9E-01	1.3E-07	1.0E-03	8.1E-11	1.6E-01	5.5E-03	7.0E-14
2.2E+00	1.2E-06	1.0E-03	2.9E-09	1.6E-01	5.5E-03	2.5E-12	5.8E-01	1.3E-07	1.0E-03	8.1E-11	1.6E-01	5.5E-03	6.9E-14
2.3E+00	1.2E-06	1.0E-03	3.0E-09	1.6E-01	5.5E-03	2.6E-12	5.8E-01	1.3E-07	1.0E-03	8.0E-11	1.6E-01	5.5E-03	6.9E-14

2.4E+00	1.2E-06	1.0E-03	3.0E-09	1.6E-01	5.5E-03	2.6E-12	5.7E-01	1.3E-07	1.0E-03	7.9E-11	1.6E-01	5.5E-03	6.8E-14
2.4E+00	1.2E-06	1.0E-03	3.1E-09	1.6E-01	5.5E-03	2.7E-12	5.6E-01	1.3E-07	1.0E-03	7.8E-11	1.6E-01	5.5E-03	6.7E-14
2.4E+00	1.2E-06	1.0E-03	3.2E-09	1.6E-01	5.5E-03	2.7E-12	5.6E-01	1.3E-07	1.0E-03	7.7E-11	1.6E-01	5.5E-03	6.6E-14
2.5E+00	1.2E-06	1.0E-03	3.2E-09	1.6E-01	5.5E-03	2.7E-12	5.5E-01	1.3E-07	1.0E-03	7.6E-11	1.6E-01	5.5E-03	6.5E-14
2.5E+00	1.2E-06	1.0E-03	3.2E-09	1.6E-01	5.5E-03	2.8E-12	5.4E-01	1.3E-07	1.0E-03	7.5E-11	1.6E-01	5.5E-03	6.4E-14
2.5E+00	1.2E-06	1.0E-03	3.2E-09	1.6E-01	5.5E-03	2.7E-12	5.3E-01	1.3E-07	1.0E-03	7.4E-11	1.6E-01	5.5E-03	6.4E-14
2.5E+00	1.2E-06	1.0E-03	3.2E-09	1.6E-01	5.5E-03	2.7E-12	5.2E-01	1.3E-07	1.0E-03	7.3E-11	1.6E-01	5.5E-03	6.3E-14
2.4E+00	1.2E-06	1.0E-03	3.2E-09	1.6E-01	5.5E-03	2.7E-12	5.2E-01	1.3E-07	1.0E-03	7.2E-11	1.6E-01	5.5E-03	6.2E-14
2.4E+00	1.2E-06	1.0E-03	3.1E-09	1.6E-01	5.5E-03	2.7E-12	5.1E-01	1.3E-07	1.0E-03	7.0E-11	1.6E-01	5.5E-03	6.1E-14
2.4E+00	1.2E-06	1.0E-03	3.1E-09	1.6E-01	5.5E-03	2.6E-12	5.0E-01	1.3E-07	1.0E-03	6.9E-11	1.6E-01	5.5E-03	6.0E-14
2.3E+00	1.2E-06	1.0E-03	3.0E-09	1.6E-01	5.5E-03	2.6E-12	4.9E-01	1.3E-07	1.0E-03	6.8E-11	1.6E-01	5.5E-03	5.8E-14
2.3E+00	1.2E-06	1.0E-03	2.9E-09	1.6E-01	5.5E-03	2.5E-12	4.8E-01	1.3E-07	1.0E-03	6.7E-11	1.6E-01	5.5E-03	5.7E-14
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1.7E+00	1.2E-06	1.0E-03	2.2E-09	1.6E-01	5.5E-03	1.9E-12	4.2E-01	1.3E-07	1.0E-03	5.8E-11	1.6E-01	5.5E-03	5.0E-14
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1.6E+00	1.2E-06	1.0E-03	2.1E-09	1.6E-01	5.5E-03	1.8E-12	5.6E-01	1.3E-07	1.0E-03	7.7E-11	1.6E-01	5.5E-03	6.6E-14
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2.1E+00	1.2E-06	1.0E-03	2.7E-09	1.6E-01	5.5E-03	2.3E-12	4.9E-01	1.3E-07	1.0E-03	6.8E-11	1.6E-01	5.5E-03	5.9E-14
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2.1E+00	1.2E-06	1.0E-03	2.7E-09	1.6E-01	5.5E-03	2.3E-12	4.8E-01	1.3E-07	1.0E-03	6.6E-11	1.6E-01	5.5E-03	5.7E-14
2.0E+00	1.2E-06	1.0E-03	2.6E-09	1.6E-01	5.5E-03	2.3E-12	4.7E-01	1.3E-07	1.0E-03	6.5E-11	1.6E-01	5.5E-03	5.6E-14
2.0E+00	1.2E-06	1.0E-03	2.6E-09	1.6E-01	5.5E-03	2.2E-12	4.6E-01	1.3E-07	1.0E-03	6.4E-11	1.6E-01	5.5E-03	5.5E-14
2.0E+00	1.2E-06	1.0E-03	2.5E-09	1.6E-01	5.5E-03	2.2E-12	4.5E-01	1.3E-07	1.0E-03	6.3E-11	1.6E-01	5.5E-03	5.4E-14
1.9E+00	1.2E-06	1.0E-03	2.5E-09	1.6E-01	5.5E-03	2.1E-12	4.5E-01	1.3E-07	1.0E-03	6.2E-11	1.6E-01	5.5E-03	5.3E-14
1.9E+00	1.2E-06	1.0E-03	2.4E-09	1.6E-01	5.5E-03	2.1E-12	4.4E-01	1.3E-07	1.0E-03	6.1E-11	1.6E-01	5.5E-03	5.2E-14
1.8E+00	1.2E-06	1.0E-03	2.3E-09	1.6E-01	5.5E-03	2.0E-12	4.3E-01	1.3E-07	1.0E-03	6.0E-11	1.6E-01	5.5E-03	5.1E-14
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1.5E+00	1.2E-06	1.0E-03	1.9E-09	1.6E-01	5.5E-03	1.6E-12	5.4E-01	1.3E-07	1.0E-03	7.5E-11	1.6E-01	5.5E-03	6.4E-14
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1.6E+00	1.2E-06	1.0E-03	2.1E-09	1.6E-01	5.5E-03	1.8E-12	5.3E-01	1.3E-07	1.0E-03	7.3E-11	1.6E-01	5.5E-03	6.3E-14
1.7E+00	1.2E-06	1.0E-03	2.2E-09	1.6E-01	5.5E-03	1.9E-12	5.3E-01	1.3E-07	1.0E-03	7.3E-11	1.6E-01	5.5E-03	6.3E-14
1.8E+00	1.2E-06	1.0E-03	2.3E-09	1.6E-01	5.5E-03	1.9E-12	5.2E-01	1.3E-07	1.0E-03	7.2E-11	1.6E-01	5.5E-03	6.2E-14
1.8E+00	1.2E-06	1.0E-03	2.3E-09	1.6E-01	5.5E-03	2.0E-12	5.2E-01	1.3E-07	1.0E-03	7.2E-11	1.6E-01	5.5E-03	6.2E-14
1.8E+00	1.2E-06	1.0E-03	2.4E-09	1.6E-01	5.5E-03	2.0E-12	5.1E-01	1.3E-07	1.0E-03	7.1E-11	1.6E-01	5.5E-03	6.1E-14
1.9E+00	1.2E-06	1.0E-03	2.4E-09	1.6E-01	5.5E-03	2.1E-12	5.1E-01	1.3E-07	1.0E-03	7.0E-11	1.6E-01	5.5E-03	6.1E-14
1.9E+00	1.2E-06	1.0E-03	2.5E-09	1.6E-01	5.5E-03	2.1E-12	5.0E-01	1.3E-07	1.0E-03	6.9E-11	1.6E-01	5.5E-03	6.0E-14
1.9E+00	1.2E-06	1.0E-03	2.5E-09	1.6E-01	5.5E-03	2.1E-12	5.0E-01	1.3E-07	1.0E-03	6.9E-11	1.6E-01	5.5E-03	5.9E-14
1.9E+00	1.2E-06	1.0E-03	2.5E-09	1.6E-01	5.5E-03	2.2E-12	4.9E-01	1.3E-07	1.0E-03	6.8E-11	1.6E-01	5.5E-03	5.8E-14
2.0E+00	1.2E-06	1.0E-03	2.5E-09	1.6E-01	5.5E-03	2.2E-12	4.8E-01	1.3E-07	1.0E-03	6.7E-11	1.6E-01	5.5E-03	5.8E-14
2.0E+00	1.2E-06	1.0E-03	2.5E-09	1.6E-01	5.5E-03	2.2E-12	4.8E-01	1.3E-07	1.0E-03	6.6E-11	1.6E-01	5.5E-03	5.7E-14
1.9E+00	1.2E-06	1.0E-03	2.5E-09	1.6E-01	5.5E-03	2.2E-12	4.7E-01	1.3E-07	1.0E-03	6.5E-11	1.6E-01	5.5E-03	5.6E-14
1.9E+00	1.2E-06	1.0E-03	2.5E-09	1.6E-01	5.5E-03	2.1E-12	4.6E-01	1.3E-07	1.0E-03	6.4E-11	1.6E-01	5.5E-03	5.5E-14
1.9E+00	1.2E-06	1.0E-03	2.5E-09	1.6E-01	5.5E-03	2.1E-12	4.6E-01	1.3E-07	1.0E-03	6.3E-11	1.6E-01	5.5E-03	5.4E-14
1.9E+00	1.2E-06	1.0E-03	2.4E-09	1.6E-01	5.5E-03	2.1E-12	4.5E-01	1.3E-07	1.0E-03	6.2E-11	1.6E-01	5.5E-03	5.4E-14
1.8E+00	1.2E-06	1.0E-03	2.4E-09	1.6E-01	5.5E-03	2.0E-12	4.4E-01	1.3E-07	1.0E-03	6.1E-11	1.6E-01	5.5E-03	5.3E-14
1.8E+00	1.2E-06	1.0E-03	2.3E-09	1.6E-01	5.5E-03	2.0E-12	4.3E-01	1.3E-07	1.0E-03	6.0E-11	1.6E-01	5.5E-03	5.2E-14
1.8E+00	1.2E-06	1.0E-03	2.3E-09	1.6E-01	5.5E-03	1.9E-12	4.3E-01	1.3E-07	1.0E-03	5.9E-11	1.6E-01	5.5E-03	5.1E-14

1.7E+00	1.2E-06	1.0E-03	2.2E-09	1.6E-01	5.5E-03	1.9E-12	4.2E-01	1.3E-07	1.0E-03	5.8E-11	1.6E-01	5.5E-03	5.0E-14
1.7E+00	1.2E-06	1.0E-03	2.1E-09	1.6E-01	5.5E-03	1.8E-12	4.1E-01	1.3E-07	1.0E-03	5.7E-11	1.6E-01	5.5E-03	4.9E-14
1.6E+00	1.2E-06	1.0E-03	2.1E-09	1.6E-01	5.5E-03	1.8E-12	4.0E-01	1.3E-07	1.0E-03	5.6E-11	1.6E-01	5.5E-03	4.8E-14
1.6E+00	1.2E-06	1.0E-03	2.0E-09	1.6E-01	5.5E-03	1.7E-12	4.0E-01	1.3E-07	1.0E-03	5.5E-11	1.6E-01	5.5E-03	4.7E-14
1.5E+00	1.2E-06	1.0E-03	1.9E-09	1.6E-01	5.5E-03	1.7E-12	3.9E-01	1.3E-07	1.0E-03	5.4E-11	1.6E-01	5.5E-03	4.6E-14
1.4E+00	1.2E-06	1.0E-03	1.8E-09	1.6E-01	5.5E-03	1.5E-12	5.2E-01	1.3E-07	1.0E-03	7.2E-11	1.6E-01	5.5E-03	6.2E-14
1.4E+00	1.2E-06	1.0E-03	1.8E-09	1.6E-01	5.5E-03	1.6E-12	5.2E-01	1.3E-07	1.0E-03	7.2E-11	1.6E-01	5.5E-03	6.2E-14
1.5E+00	1.2E-06	1.0E-03	1.9E-09	1.6E-01	5.5E-03	1.6E-12	5.2E-01	1.3E-07	1.0E-03	7.1E-11	1.6E-01	5.5E-03	6.1E-14
1.5E+00	1.2E-06	1.0E-03	2.0E-09	1.6E-01	5.5E-03	1.7E-12	5.1E-01	1.3E-07	1.0E-03	7.1E-11	1.6E-01	5.5E-03	6.1E-14
1.6E+00	1.2E-06	1.0E-03	2.0E-09	1.6E-01	5.5E-03	1.8E-12	5.1E-01	1.3E-07	1.0E-03	7.0E-11	1.6E-01	5.5E-03	6.1E-14
1.6E+00	1.2E-06	1.0E-03	2.1E-09	1.6E-01	5.5E-03	1.8E-12	5.0E-01	1.3E-07	1.0E-03	7.0E-11	1.6E-01	5.5E-03	6.0E-14
1.7E+00	1.2E-06	1.0E-03	2.2E-09	1.6E-01	5.5E-03	1.9E-12	5.0E-01	1.3E-07	1.0E-03	6.9E-11	1.6E-01	5.5E-03	6.0E-14
1.7E+00	1.2E-06	1.0E-03	2.2E-09	1.6E-01	5.5E-03	1.9E-12	5.0E-01	1.3E-07	1.0E-03	6.9E-11	1.6E-01	5.5E-03	5.9E-14
1.7E+00	1.2E-06	1.0E-03	2.2E-09	1.6E-01	5.5E-03	1.9E-12	4.9E-01	1.3E-07	1.0E-03	6.8E-11	1.6E-01	5.5E-03	5.9E-14
1.8E+00	1.2E-06	1.0E-03	2.3E-09	1.6E-01	5.5E-03	2.0E-12	4.9E-01	1.3E-07	1.0E-03	6.7E-11	1.6E-01	5.5E-03	5.8E-14
1.8E+00	1.2E-06	1.0E-03	2.3E-09	1.6E-01	5.5E-03	2.0E-12	4.8E-01	1.3E-07	1.0E-03	6.6E-11	1.6E-01	5.5E-03	5.7E-14
1.8E+00	1.2E-06	1.0E-03	2.3E-09	1.6E-01	5.5E-03	2.0E-12	4.7E-01	1.3E-07	1.0E-03	6.6E-11	1.6E-01	5.5E-03	5.7E-14
1.8E+00	1.2E-06	1.0E-03	2.3E-09	1.6E-01	5.5E-03	2.0E-12	4.7E-01	1.3E-07	1.0E-03	6.5E-11	1.6E-01	5.5E-03	5.6E-14
1.8E+00	1.2E-06	1.0E-03	2.3E-09	1.6E-01	5.5E-03	2.0E-12	4.6E-01	1.3E-07	1.0E-03	6.4E-11	1.6E-01	5.5E-03	5.5E-14
1.8E+00	1.2E-06	1.0E-03	2.3E-09	1.6E-01	5.5E-03	2.0E-12	4.6E-01	1.3E-07	1.0E-03	6.3E-11	1.6E-01	5.5E-03	5.4E-14
1.8E+00	1.2E-06	1.0E-03	2.3E-09	1.6E-01	5.5E-03	2.0E-12	4.5E-01	1.3E-07	1.0E-03	6.2E-11	1.6E-01	5.5E-03	5.4E-14
1.8E+00	1.2E-06	1.0E-03	2.3E-09	1.6E-01	5.5E-03	2.0E-12	4.4E-01	1.3E-07	1.0E-03	6.1E-11	1.6E-01	5.5E-03	5.3E-14
1.8E+00	1.2E-06	1.0E-03	2.3E-09	1.6E-01	5.5E-03	1.9E-12	4.4E-01	1.3E-07	1.0E-03	6.0E-11	1.6E-01	5.5E-03	5.2E-14
1.7E+00	1.2E-06	1.0E-03	2.2E-09	1.6E-01	5.5E-03	1.9E-12	4.3E-01	1.3E-07	1.0E-03	5.9E-11	1.6E-01	5.5E-03	5.1E-14
1.7E+00	1.2E-06	1.0E-03	2.2E-09	1.6E-01	5.5E-03	1.9E-12	4.2E-01	1.3E-07	1.0E-03	5.8E-11	1.6E-01	5.5E-03	5.0E-14
1.6E+00	1.2E-06	1.0E-03	2.1E-09	1.6E-01	5.5E-03	1.8E-12	4.1E-01	1.3E-07	1.0E-03	5.7E-11	1.6E-01	5.5E-03	4.9E-14
1.6E+00	1.2E-06	1.0E-03	2.1E-09	1.6E-01	5.5E-03	1.8E-12	4.1E-01	1.3E-07	1.0E-03	5.6E-11	1.6E-01	5.5E-03	4.9E-14
1.6E+00	1.2E-06	1.0E-03	2.0E-09	1.6E-01	5.5E-03	1.7E-12	4.0E-01	1.3E-07	1.0E-03	5.5E-11	1.6E-01	5.5E-03	4.8E-14
1.5E+00	1.2E-06	1.0E-03	2.0E-09	1.6E-01	5.5E-03	1.7E-12	3.9E-01	1.3E-07	1.0E-03	5.4E-11	1.6E-01	5.5E-03	4.7E-14
1.5E+00	1.2E-06	1.0E-03	1.9E-09	1.6E-01	5.5E-03	1.6E-12	3.9E-01	1.3E-07	1.0E-03	5.3E-11	1.6E-01	5.5E-03	4.6E-14
1.4E+00	1.2E-06	1.0E-03	1.8E-09	1.6E-01	5.5E-03	1.6E-12	3.8E-01	1.3E-07	1.0E-03	5.2E-11	1.6E-01	5.5E-03	4.5E-14

Risk From New Building Demo (Port. 1,3,4) - Mitigated Residential

Franklin School Project

Risk From New Building Demo (Port. 1,3,4) - Mitigated Residential

	0.09	Max							
						Onsite			
Receptor #	**Total/ Million**	**Total**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
1	0.00	3.4E-10	2.0E-01	7.5E-04	1.0E-03	1.5E-07	1.6E-01	1.4E-02	3.3E-10
2	0.00	3.7E-10	2.2E-01	7.5E-04	1.0E-03	1.7E-07	1.6E-01	1.4E-02	3.7E-10
3	0.00	4.1E-10	2.4E-01	7.5E-04	1.0E-03	1.9E-07	1.6E-01	1.4E-02	4.0E-10
4	0.00	4.5E-10	2.6E-01	7.5E-04	1.0E-03	2.1E-07	1.6E-01	1.4E-02	4.4E-10
5	0.00	4.8E-10	2.9E-01	7.5E-04	1.0E-03	2.2E-07	1.6E-01	1.4E-02	4.8E-10
6	0.00	5.2E-10	3.1E-01	7.5E-04	1.0E-03	2.4E-07	1.6E-01	1.4E-02	5.2E-10
7	0.00	5.6E-10	3.3E-01	7.5E-04	1.0E-03	2.6E-07	1.6E-01	1.4E-02	5.6E-10
8	0.00	5.9E-10	3.5E-01	7.5E-04	1.0E-03	2.7E-07	1.6E-01	1.4E-02	5.9E-10
9	0.00	6.3E-10	3.7E-01	7.5E-04	1.0E-03	2.9E-07	1.6E-01	1.4E-02	6.3E-10
10	0.00	6.6E-10	3.9E-01	7.5E-04	1.0E-03	3.1E-07	1.6E-01	1.4E-02	6.6E-10
11	0.00	7.2E-10	4.2E-01	7.5E-04	1.0E-03	3.3E-07	1.6E-01	1.4E-02	7.1E-10
12	0.00	7.7E-10	4.5E-01	7.5E-04	1.0E-03	3.6E-07	1.6E-01	1.4E-02	7.6E-10
13	0.00	8.2E-10	4.8E-01	7.5E-04	1.0E-03	3.8E-07	1.6E-01	1.4E-02	8.1E-10
14	0.00	8.5E-10	5.0E-01	7.5E-04	1.0E-03	3.9E-07	1.6E-01	1.4E-02	8.5E-10
15	0.00	8.8E-10	5.2E-01	7.5E-04	1.0E-03	4.1E-07	1.6E-01	1.4E-02	8.8E-10
16	0.00	8.9E-10	5.3E-01	7.5E-04	1.0E-03	4.1E-07	1.6E-01	1.4E-02	8.9E-10
17	0.00	3.8E-10	2.2E-01	7.5E-04	1.0E-03	1.7E-07	1.6E-01	1.4E-02	3.7E-10
18	0.00	4.2E-10	2.5E-01	7.5E-04	1.0E-03	1.9E-07	1.6E-01	1.4E-02	4.2E-10
19	0.00	4.7E-10	2.8E-01	7.5E-04	1.0E-03	2.2E-07	1.6E-01	1.4E-02	4.7E-10
20	0.00	5.2E-10	3.1E-01	7.5E-04	1.0E-03	2.4E-07	1.6E-01	1.4E-02	5.2E-10
21	0.00	5.8E-10	3.4E-01	7.5E-04	1.0E-03	2.7E-07	1.6E-01	1.4E-02	5.7E-10
22	0.00	6.3E-10	3.7E-01	7.5E-04	1.0E-03	2.9E-07	1.6E-01	1.4E-02	6.3E-10
23	0.00	6.9E-10	4.0E-01	7.5E-04	1.0E-03	3.2E-07	1.6E-01	1.4E-02	6.8E-10
24	0.00	7.3E-10	4.3E-01	7.5E-04	1.0E-03	3.4E-07	1.6E-01	1.4E-02	7.3E-10
25	0.00	7.9E-10	4.6E-01	7.5E-04	1.0E-03	3.6E-07	1.6E-01	1.4E-02	7.8E-10
26	0.00	8.4E-10	4.9E-01	7.5E-04	1.0E-03	3.9E-07	1.6E-01	1.4E-02	8.3E-10
27	0.00	9.2E-10	5.4E-01	7.5E-04	1.0E-03	4.2E-07	1.6E-01	1.4E-02	9.1E-10
28	0.00	9.9E-10	5.9E-01	7.5E-04	1.0E-03	4.6E-07	1.6E-01	1.4E-02	9.9E-10
29	0.00	1.1E-09	6.2E-01	7.5E-04	1.0E-03	4.9E-07	1.6E-01	1.4E-02	1.0E-09
30	0.00	1.1E-09	6.5E-01	7.5E-04	1.0E-03	5.1E-07	1.6E-01	1.4E-02	1.1E-09
31	0.00	1.1E-09	6.6E-01	7.5E-04	1.0E-03	5.2E-07	1.6E-01	1.4E-02	1.1E-09
32	0.00	1.1E-09	6.5E-01	7.5E-04	1.0E-03	5.1E-07	1.6E-01	1.4E-02	1.1E-09
33	0.00	4.2E-10	2.5E-01	7.5E-04	1.0E-03	1.9E-07	1.6E-01	1.4E-02	4.2E-10
34	0.00	4.8E-10	2.8E-01	7.5E-04	1.0E-03	2.2E-07	1.6E-01	1.4E-02	4.8E-10
35	0.00	5.5E-10	3.2E-01	7.5E-04	1.0E-03	2.5E-07	1.6E-01	1.4E-02	5.4E-10
36	0.00	6.2E-10	3.6E-01	7.5E-04	1.0E-03	2.8E-07	1.6E-01	1.4E-02	6.1E-10
37	0.00	7.0E-10	4.1E-01	7.5E-04	1.0E-03	3.2E-07	1.6E-01	1.4E-02	6.9E-10
38	0.00	7.8E-10	4.6E-01	7.5E-04	1.0E-03	3.6E-07	1.6E-01	1.4E-02	7.7E-10
39	0.00	8.6E-10	5.1E-01	7.5E-04	1.0E-03	4.0E-07	1.6E-01	1.4E-02	8.5E-10

40	0.00	9.3E-10	5.5E-01	7.5E-04	1.0E-03	4.3E-07	1.6E-01	1.4E-02	9.3E-10
41	0.00	1.0E-09	5.9E-01	7.5E-04	1.0E-03	4.7E-07	1.6E-01	1.4E-02	1.0E-09
42	0.00	1.1E-09	6.5E-01	7.5E-04	1.0E-03	5.1E-07	1.6E-01	1.4E-02	1.1E-09
43	0.00	1.2E-09	7.2E-01	7.5E-04	1.0E-03	5.6E-07	1.6E-01	1.4E-02	1.2E-09
44	0.00	1.3E-09	7.8E-01	7.5E-04	1.0E-03	6.1E-07	1.6E-01	1.4E-02	1.3E-09
45	0.00	1.4E-09	8.3E-01	7.5E-04	1.0E-03	6.5E-07	1.6E-01	1.4E-02	1.4E-09
46	0.00	1.4E-09	8.5E-01	7.5E-04	1.0E-03	6.6E-07	1.6E-01	1.4E-02	1.4E-09
47	0.00	1.4E-09	8.4E-01	7.5E-04	1.0E-03	6.6E-07	1.6E-01	1.4E-02	1.4E-09
48	0.00	1.4E-09	8.1E-01	7.5E-04	1.0E-03	6.4E-07	1.6E-01	1.4E-02	1.4E-09
49	0.00	4.8E-10	2.8E-01	7.5E-04	1.0E-03	2.2E-07	1.6E-01	1.4E-02	4.7E-10
50	0.00	5.5E-10	3.2E-01	7.5E-04	1.0E-03	2.5E-07	1.6E-01	1.4E-02	5.4E-10
51	0.00	6.4E-10	3.8E-01	7.5E-04	1.0E-03	2.9E-07	1.6E-01	1.4E-02	6.3E-10
52	0.00	7.4E-10	4.4E-01	7.5E-04	1.0E-03	3.4E-07	1.6E-01	1.4E-02	7.3E-10
53	0.00	8.6E-10	5.0E-01	7.5E-04	1.0E-03	4.0E-07	1.6E-01	1.4E-02	8.5E-10
54	0.00	9.8E-10	5.8E-01	7.5E-04	1.0E-03	4.5E-07	1.6E-01	1.4E-02	9.7E-10
55	0.00	1.1E-09	6.5E-01	7.5E-04	1.0E-03	5.1E-07	1.6E-01	1.4E-02	1.1E-09
56	0.00	1.2E-09	7.2E-01	7.5E-04	1.0E-03	5.6E-07	1.6E-01	1.4E-02	1.2E-09
57	0.00	1.4E-09	7.9E-01	7.5E-04	1.0E-03	6.2E-07	1.6E-01	1.4E-02	1.3E-09
58	0.00	1.5E-09	8.9E-01	7.5E-04	1.0E-03	6.9E-07	1.6E-01	1.4E-02	1.5E-09
59	0.00	1.7E-09	1.0E+00	7.5E-04	1.0E-03	7.9E-07	1.6E-01	1.4E-02	1.7E-09
60	0.00	1.8E-09	1.1E+00	7.5E-04	1.0E-03	8.5E-07	1.6E-01	1.4E-02	1.8E-09
61	0.00	1.9E-09	1.1E+00	7.5E-04	1.0E-03	8.8E-07	1.6E-01	1.4E-02	1.9E-09
62	0.00	1.9E-09	1.1E+00	7.5E-04	1.0E-03	8.8E-07	1.6E-01	1.4E-02	1.9E-09
63	0.00	1.8E-09	1.1E+00	7.5E-04	1.0E-03	8.4E-07	1.6E-01	1.4E-02	1.8E-09
64	0.00	1.7E-09	1.0E+00	7.5E-04	1.0E-03	7.9E-07	1.6E-01	1.4E-02	1.7E-09
65	0.00	5.3E-10	3.1E-01	7.5E-04	1.0E-03	2.5E-07	1.6E-01	1.4E-02	5.3E-10
66	0.00	6.3E-10	3.7E-01	7.5E-04	1.0E-03	2.9E-07	1.6E-01	1.4E-02	6.2E-10
67	0.00	7.5E-10	4.4E-01	7.5E-04	1.0E-03	3.5E-07	1.6E-01	1.4E-02	7.4E-10
68	0.00	9.0E-10	5.3E-01	7.5E-04	1.0E-03	4.1E-07	1.6E-01	1.4E-02	8.9E-10
69	0.00	1.1E-09	6.3E-01	7.5E-04	1.0E-03	4.9E-07	1.6E-01	1.4E-02	1.1E-09
70	0.00	1.3E-09	7.5E-01	7.5E-04	1.0E-03	5.9E-07	1.6E-01	1.4E-02	1.3E-09
71	0.00	1.5E-09	8.8E-01	7.5E-04	1.0E-03	6.9E-07	1.6E-01	1.4E-02	1.5E-09
72	0.00	1.7E-09	1.0E+00	7.5E-04	1.0E-03	7.8E-07	1.6E-01	1.4E-02	1.7E-09
73	0.00	1.9E-09	1.1E+00	7.5E-04	1.0E-03	8.9E-07	1.6E-01	1.4E-02	1.9E-09
74	0.00	2.3E-09	1.3E+00	7.5E-04	1.0E-03	1.0E-06	1.6E-01	1.4E-02	2.2E-09
75	0.00	2.5E-09	1.5E+00	7.5E-04	1.0E-03	1.2E-06	1.6E-01	1.4E-02	2.5E-09
76	0.00	2.7E-09	1.6E+00	7.5E-04	1.0E-03	1.2E-06	1.6E-01	1.4E-02	2.7E-09
77	0.00	2.7E-09	1.6E+00	7.5E-04	1.0E-03	1.2E-06	1.6E-01	1.4E-02	2.7E-09
78	0.00	2.5E-09	1.5E+00	7.5E-04	1.0E-03	1.2E-06	1.6E-01	1.4E-02	2.5E-09
79	0.00	2.3E-09	1.4E+00	7.5E-04	1.0E-03	1.1E-06	1.6E-01	1.4E-02	2.3E-09
80	0.00	2.0E-09	1.2E+00	7.5E-04	1.0E-03	9.5E-07	1.6E-01	1.4E-02	2.0E-09
81	0.00	5.9E-10	3.5E-01	7.5E-04	1.0E-03	2.7E-07	1.6E-01	1.4E-02	5.9E-10
82	0.00	7.2E-10	4.2E-01	7.5E-04	1.0E-03	3.3E-07	1.6E-01	1.4E-02	7.1E-10
83	0.00	8.8E-10	5.2E-01	7.5E-04	1.0E-03	4.1E-07	1.6E-01	1.4E-02	8.7E-10
84	0.00	1.1E-09	6.4E-01	7.5E-04	1.0E-03	5.0E-07	1.6E-01	1.4E-02	1.1E-09
85	0.00	1.4E-09	8.1E-01	7.5E-04	1.0E-03	6.3E-07	1.6E-01	1.4E-02	1.4E-09

86	0.00	1.7E-09	1.0E+00	7.5E-04	1.0E-03	7.9E-07	1.6E-01	1.4E-02	1.7E-09
87	0.00	2.2E-09	1.3E+00	7.5E-04	1.0E-03	9.8E-07	1.6E-01	1.4E-02	2.1E-09
88	0.00	2.6E-09	1.5E+00	7.5E-04	1.0E-03	1.2E-06	1.6E-01	1.4E-02	2.5E-09
89	0.00	3.1E-09	1.8E+00	7.5E-04	1.0E-03	1.4E-06	1.6E-01	1.4E-02	3.0E-09
90	0.00	3.7E-09	2.2E+00	7.5E-04	1.0E-03	1.7E-06	1.6E-01	1.4E-02	3.7E-09
91	0.00	4.0E-09	2.4E+00	7.5E-04	1.0E-03	1.9E-06	1.6E-01	1.4E-02	4.0E-09
92	0.00	4.0E-09	2.4E+00	7.5E-04	1.0E-03	1.9E-06	1.6E-01	1.4E-02	4.0E-09
93	0.00	3.7E-09	2.2E+00	7.5E-04	1.0E-03	1.7E-06	1.6E-01	1.4E-02	3.7E-09
94	0.00	3.3E-09	1.9E+00	7.5E-04	1.0E-03	1.5E-06	1.6E-01	1.4E-02	3.3E-09
95	0.00	2.8E-09	1.7E+00	7.5E-04	1.0E-03	1.3E-06	1.6E-01	1.4E-02	2.8E-09
96	0.00	2.4E-09	1.4E+00	7.5E-04	1.0E-03	1.1E-06	1.6E-01	1.4E-02	2.4E-09
97	0.00	6.5E-10	3.8E-01	7.5E-04	1.0E-03	3.0E-07	1.6E-01	1.4E-02	6.5E-10
98	0.00	8.0E-10	4.7E-01	7.5E-04	1.0E-03	3.7E-07	1.6E-01	1.4E-02	8.0E-10
99	0.00	1.0E-09	6.0E-01	7.5E-04	1.0E-03	4.7E-07	1.6E-01	1.4E-02	1.0E-09
100	0.00	1.3E-09	7.8E-01	7.5E-04	1.0E-03	6.1E-07	1.6E-01	1.4E-02	1.3E-09
101	0.00	1.8E-09	1.0E+00	7.5E-04	1.0E-03	8.1E-07	1.6E-01	1.4E-02	1.7E-09
102	0.00	2.4E-09	1.4E+00	7.5E-04	1.0E-03	1.1E-06	1.6E-01	1.4E-02	2.4E-09
103	0.00	3.5E-09	1.9E+00	7.5E-04	1.0E-03	1.5E-06	1.6E-01	1.4E-02	3.2E-09
104	0.00	4.5E-09	2.6E+00	7.5E-04	1.0E-03	2.0E-06	1.6E-01	1.4E-02	4.3E-09
105	0.01	5.6E-09	3.3E+00	7.5E-04	1.0E-03	2.6E-06	1.6E-01	1.4E-02	5.5E-09
106	0.01	6.8E-09	4.0E+00	7.5E-04	1.0E-03	3.1E-06	1.6E-01	1.4E-02	6.7E-09
107	0.01	6.7E-09	4.0E+00	7.5E-04	1.0E-03	3.1E-06	1.6E-01	1.4E-02	6.7E-09
108	0.01	6.0E-09	3.6E+00	7.5E-04	1.0E-03	2.8E-06	1.6E-01	1.4E-02	6.0E-09
109	0.01	5.0E-09	3.0E+00	7.5E-04	1.0E-03	2.3E-06	1.6E-01	1.4E-02	5.0E-09
110	0.00	4.1E-09	2.4E+00	7.5E-04	1.0E-03	1.9E-06	1.6E-01	1.4E-02	4.1E-09
111	0.00	3.3E-09	1.9E+00	7.5E-04	1.0E-03	1.5E-06	1.6E-01	1.4E-02	3.3E-09
112	0.00	2.7E-09	1.6E+00	7.5E-04	1.0E-03	1.2E-06	1.6E-01	1.4E-02	2.6E-09
113	0.00	7.0E-10	4.2E-01	7.5E-04	1.0E-03	3.3E-07	1.6E-01	1.4E-02	7.0E-10
114	0.00	8.9E-10	5.3E-01	7.5E-04	1.0E-03	4.1E-07	1.6E-01	1.4E-02	8.9E-10
115	0.00	1.2E-09	6.9E-01	7.5E-04	1.0E-03	5.4E-07	1.6E-01	1.4E-02	1.2E-09
116	0.00	1.6E-09	9.4E-01	7.5E-04	1.0E-03	7.3E-07	1.6E-01	1.4E-02	1.6E-09
117	0.00	2.3E-09	1.3E+00	7.5E-04	1.0E-03	1.0E-06	1.6E-01	1.4E-02	2.2E-09
118	0.01	1.4E-08	8.4E+00	7.5E-04	1.0E-03	6.6E-06	1.6E-01	1.4E-02	1.4E-08
119	0.01	1.1E-08	6.7E+00	7.5E-04	1.0E-03	5.2E-06	1.6E-01	1.4E-02	1.1E-08
120	0.01	8.5E-09	5.1E+00	7.5E-04	1.0E-03	4.0E-06	1.6E-01	1.4E-02	8.5E-09
121	0.01	6.3E-09	3.8E+00	7.5E-04	1.0E-03	2.9E-06	1.6E-01	1.4E-02	6.3E-09
122	0.00	4.7E-09	2.8E+00	7.5E-04	1.0E-03	2.2E-06	1.6E-01	1.4E-02	4.7E-09
123	0.00	3.6E-09	2.1E+00	7.5E-04	1.0E-03	1.7E-06	1.6E-01	1.4E-02	3.6E-09
124	0.00	2.8E-09	1.6E+00	7.5E-04	1.0E-03	1.3E-06	1.6E-01	1.4E-02	2.8E-09
125	0.00	7.4E-10	4.4E-01	7.5E-04	1.0E-03	3.4E-07	1.6E-01	1.4E-02	7.4E-10
126	0.00	9.6E-10	5.6E-01	7.5E-04	1.0E-03	4.4E-07	1.6E-01	1.4E-02	9.5E-10
127	0.00	1.3E-09	7.6E-01	7.5E-04	1.0E-03	5.9E-07	1.6E-01	1.4E-02	1.3E-09
128	0.00	1.8E-09	1.1E+00	7.5E-04	1.0E-03	8.3E-07	1.6E-01	1.4E-02	1.8E-09
129	0.00	2.7E-09	1.6E+00	7.5E-04	1.0E-03	1.3E-06	1.6E-01	1.4E-02	2.7E-09
130	0.03	2.9E-08	1.7E+01	7.5E-04	1.0E-03	1.3E-05	1.6E-01	1.4E-02	2.9E-08
131	0.02	1.7E-08	1.0E+01	7.5E-04	1.0E-03	7.9E-06	1.6E-01	1.4E-02	1.7E-08

132	0.01	1.1E-08	6.3E+00	7.5E-04	1.0E-03	4.9E-06	1.6E-01	1.4E-02	1.1E-08
133	0.01	7.2E-09	4.2E+00	7.5E-04	1.0E-03	3.3E-06	1.6E-01	1.4E-02	7.2E-09
134	0.00	4.9E-09	2.9E+00	7.5E-04	1.0E-03	2.3E-06	1.6E-01	1.4E-02	4.9E-09
135	0.00	3.6E-09	2.1E+00	7.5E-04	1.0E-03	1.7E-06	1.6E-01	1.4E-02	3.6E-09
136	0.00	2.7E-09	1.6E+00	7.5E-04	1.0E-03	1.2E-06	1.6E-01	1.4E-02	2.7E-09
137	0.00	7.6E-10	4.5E-01	7.5E-04	1.0E-03	3.5E-07	1.6E-01	1.4E-02	7.6E-10
138	0.00	9.9E-10	5.9E-01	7.5E-04	1.0E-03	4.6E-07	1.6E-01	1.4E-02	9.9E-10
139	0.00	1.3E-09	7.9E-01	7.5E-04	1.0E-03	6.2E-07	1.6E-01	1.4E-02	1.3E-09
140	0.00	1.9E-09	1.1E+00	7.5E-04	1.0E-03	8.9E-07	1.6E-01	1.4E-02	1.9E-09
141	0.00	3.0E-09	1.8E+00	7.5E-04	1.0E-03	1.4E-06	1.6E-01	1.4E-02	2.9E-09
142	0.04	4.2E-08	2.5E+01	7.5E-04	1.0E-03	2.0E-05	1.6E-01	1.4E-02	4.2E-08
143	0.02	2.0E-08	1.2E+01	7.5E-04	1.0E-03	9.5E-06	1.6E-01	1.4E-02	2.0E-08
144	0.01	1.1E-08	6.7E+00	7.5E-04	1.0E-03	5.2E-06	1.6E-01	1.4E-02	1.1E-08
145	0.01	7.1E-09	4.2E+00	7.5E-04	1.0E-03	3.3E-06	1.6E-01	1.4E-02	7.0E-09
146	0.00	4.6E-09	2.8E+00	7.5E-04	1.0E-03	2.2E-06	1.6E-01	1.4E-02	4.6E-09
147	0.00	3.3E-09	1.9E+00	7.5E-04	1.0E-03	1.5E-06	1.6E-01	1.4E-02	3.3E-09
148	0.00	2.4E-09	1.4E+00	7.5E-04	1.0E-03	1.1E-06	1.6E-01	1.4E-02	2.4E-09
149	0.00	7.5E-10	4.5E-01	7.5E-04	1.0E-03	3.5E-07	1.6E-01	1.4E-02	7.5E-10
150	0.00	9.6E-10	5.7E-01	7.5E-04	1.0E-03	4.5E-07	1.6E-01	1.4E-02	9.6E-10
151	0.00	1.3E-09	7.8E-01	7.5E-04	1.0E-03	6.1E-07	1.6E-01	1.4E-02	1.3E-09
152	0.00	1.9E-09	1.1E+00	7.5E-04	1.0E-03	8.8E-07	1.6E-01	1.4E-02	1.9E-09
153	0.00	2.9E-09	1.7E+00	7.5E-04	1.0E-03	1.4E-06	1.6E-01	1.4E-02	2.9E-09
154	0.06	6.5E-08	3.8E+01	7.5E-04	1.0E-03	3.0E-05	1.6E-01	1.4E-02	6.5E-08
155	0.02	1.9E-08	1.1E+01	7.5E-04	1.0E-03	8.9E-06	1.6E-01	1.4E-02	1.9E-08
156	0.01	9.4E-09	5.6E+00	7.5E-04	1.0E-03	4.4E-06	1.6E-01	1.4E-02	9.4E-09
157	0.01	6.0E-09	3.6E+00	7.5E-04	1.0E-03	2.8E-06	1.6E-01	1.4E-02	6.0E-09
158	0.00	4.0E-09	2.4E+00	7.5E-04	1.0E-03	1.8E-06	1.6E-01	1.4E-02	4.0E-09
159	0.00	2.8E-09	1.7E+00	7.5E-04	1.0E-03	1.3E-06	1.6E-01	1.4E-02	2.8E-09
160	0.00	2.1E-09	1.2E+00	7.5E-04	1.0E-03	9.7E-07	1.6E-01	1.4E-02	2.1E-09
161	0.00	6.8E-10	4.0E-01	7.5E-04	1.0E-03	3.2E-07	1.6E-01	1.4E-02	6.8E-10
162	0.00	8.7E-10	5.2E-01	7.5E-04	1.0E-03	4.1E-07	1.6E-01	1.4E-02	8.7E-10
163	0.00	1.2E-09	6.9E-01	7.5E-04	1.0E-03	5.4E-07	1.6E-01	1.4E-02	1.2E-09
164	0.00	1.7E-09	1.0E+00	7.5E-04	1.0E-03	7.9E-07	1.6E-01	1.4E-02	1.7E-09
165	0.00	2.7E-09	1.6E+00	7.5E-04	1.0E-03	1.2E-06	1.6E-01	1.4E-02	2.6E-09
166	0.00	4.5E-09	2.7E+00	7.5E-04	1.0E-03	2.1E-06	1.6E-01	1.4E-02	4.5E-09
167	0.01	9.3E-09	5.5E+00	7.5E-04	1.0E-03	4.3E-06	1.6E-01	1.4E-02	9.2E-09
168	0.03	2.5E-08	1.5E+01	7.5E-04	1.0E-03	1.2E-05	1.6E-01	1.4E-02	2.5E-08
169	0.04	4.1E-08	2.5E+01	7.5E-04	1.0E-03	1.9E-05	1.6E-01	1.4E-02	4.1E-08
170	0.03	2.7E-08	1.6E+01	7.5E-04	1.0E-03	1.2E-05	1.6E-01	1.4E-02	2.7E-08
171	0.01	1.3E-08	7.8E+00	7.5E-04	1.0E-03	6.1E-06	1.6E-01	1.4E-02	1.3E-08
172	0.01	6.8E-09	4.0E+00	7.5E-04	1.0E-03	3.1E-06	1.6E-01	1.4E-02	6.8E-09
173	0.00	4.4E-09	2.6E+00	7.5E-04	1.0E-03	2.1E-06	1.6E-01	1.4E-02	4.4E-09
174	0.00	3.3E-09	1.9E+00	7.5E-04	1.0E-03	1.5E-06	1.6E-01	1.4E-02	3.3E-09
175	0.00	2.4E-09	1.4E+00	7.5E-04	1.0E-03	1.1E-06	1.6E-01	1.4E-02	2.3E-09
176	0.00	1.8E-09	1.1E+00	7.5E-04	1.0E-03	8.3E-07	1.6E-01	1.4E-02	1.8E-09
177	0.00	6.4E-10	3.8E-01	7.5E-04	1.0E-03	2.9E-07	1.6E-01	1.4E-02	6.3E-10

178	0.00	8.0E-10	4.8E-01	7.5E-04	1.0E-03	3.7E-07	1.6E-01	1.4E-02	8.0E-10
179	0.00	1.0E-09	6.1E-01	7.5E-04	1.0E-03	4.8E-07	1.6E-01	1.4E-02	1.0E-09
180	0.00	1.5E-09	9.0E-01	7.5E-04	1.0E-03	7.1E-07	1.6E-01	1.4E-02	1.5E-09
181	0.00	2.2E-09	1.3E+00	7.5E-04	1.0E-03	1.0E-06	1.6E-01	1.4E-02	2.2E-09
182	0.00	3.4E-09	2.0E+00	7.5E-04	1.0E-03	1.6E-06	1.6E-01	1.4E-02	3.4E-09
183	0.01	5.8E-09	3.4E+00	7.5E-04	1.0E-03	2.7E-06	1.6E-01	1.4E-02	5.8E-09
184	0.01	9.8E-09	5.8E+00	7.5E-04	1.0E-03	4.5E-06	1.6E-01	1.4E-02	9.8E-09
185	0.01	1.3E-08	7.8E+00	7.5E-04	1.0E-03	6.1E-06	1.6E-01	1.4E-02	1.3E-08
186	0.01	1.2E-08	6.9E+00	7.5E-04	1.0E-03	5.4E-06	1.6E-01	1.4E-02	1.2E-08
187	0.01	8.1E-09	4.8E+00	7.5E-04	1.0E-03	3.8E-06	1.6E-01	1.4E-02	8.1E-09
188	0.01	5.4E-09	3.2E+00	7.5E-04	1.0E-03	2.5E-06	1.6E-01	1.4E-02	5.4E-09
189	0.00	3.5E-09	2.0E+00	7.5E-04	1.0E-03	1.6E-06	1.6E-01	1.4E-02	3.4E-09
190	0.00	2.7E-09	1.6E+00	7.5E-04	1.0E-03	1.2E-06	1.6E-01	1.4E-02	2.7E-09
191	0.00	2.0E-09	1.2E+00	7.5E-04	1.0E-03	9.4E-07	1.6E-01	1.4E-02	2.0E-09
192	0.00	1.5E-09	9.2E-01	7.5E-04	1.0E-03	7.2E-07	1.6E-01	1.4E-02	1.5E-09
193	0.00	5.9E-10	3.5E-01	7.5E-04	1.0E-03	2.7E-07	1.6E-01	1.4E-02	5.9E-10
194	0.00	7.5E-10	4.5E-01	7.5E-04	1.0E-03	3.5E-07	1.6E-01	1.4E-02	7.5E-10
195	0.00	1.0E-09	5.9E-01	7.5E-04	1.0E-03	4.6E-07	1.6E-01	1.4E-02	1.0E-09
196	0.00	1.3E-09	7.8E-01	7.5E-04	1.0E-03	6.1E-07	1.6E-01	1.4E-02	1.3E-09
197	0.00	1.8E-09	1.1E+00	7.5E-04	1.0E-03	8.3E-07	1.6E-01	1.4E-02	1.8E-09
198	0.00	2.5E-09	1.5E+00	7.5E-04	1.0E-03	1.2E-06	1.6E-01	1.4E-02	2.5E-09
199	0.00	3.8E-09	2.2E+00	7.5E-04	1.0E-03	1.8E-06	1.6E-01	1.4E-02	3.8E-09
200	0.01	5.3E-09	3.2E+00	7.5E-04	1.0E-03	2.5E-06	1.6E-01	1.4E-02	5.3E-09
201	0.01	6.5E-09	3.9E+00	7.5E-04	1.0E-03	3.0E-06	1.6E-01	1.4E-02	6.5E-09
202	0.01	6.3E-09	3.7E+00	7.5E-04	1.0E-03	2.9E-06	1.6E-01	1.4E-02	6.3E-09
203	0.00	4.9E-09	2.9E+00	7.5E-04	1.0E-03	2.3E-06	1.6E-01	1.4E-02	4.9E-09
204	0.00	3.8E-09	2.3E+00	7.5E-04	1.0E-03	1.8E-06	1.6E-01	1.4E-02	3.8E-09
205	0.00	2.9E-09	1.7E+00	7.5E-04	1.0E-03	1.3E-06	1.6E-01	1.4E-02	2.9E-09
206	0.00	2.1E-09	1.2E+00	7.5E-04	1.0E-03	9.7E-07	1.6E-01	1.4E-02	2.1E-09
207	0.00	1.7E-09	1.0E+00	7.5E-04	1.0E-03	8.1E-07	1.6E-01	1.4E-02	1.7E-09
208	0.00	1.4E-09	8.2E-01	7.5E-04	1.0E-03	6.4E-07	1.6E-01	1.4E-02	1.4E-09
209	0.00	5.8E-10	3.4E-01	7.5E-04	1.0E-03	2.7E-07	1.6E-01	1.4E-02	5.8E-10
210	0.00	7.0E-10	4.2E-01	7.5E-04	1.0E-03	3.3E-07	1.6E-01	1.4E-02	7.0E-10
211	0.00	8.8E-10	5.2E-01	7.5E-04	1.0E-03	4.1E-07	1.6E-01	1.4E-02	8.7E-10
212	0.00	1.1E-09	6.5E-01	7.5E-04	1.0E-03	5.1E-07	1.6E-01	1.4E-02	1.1E-09
213	0.00	1.4E-09	8.5E-01	7.5E-04	1.0E-03	6.7E-07	1.6E-01	1.4E-02	1.4E-09
214	0.00	1.9E-09	1.2E+00	7.5E-04	1.0E-03	9.0E-07	1.6E-01	1.4E-02	1.9E-09
215	0.00	2.6E-09	1.6E+00	7.5E-04	1.0E-03	1.2E-06	1.6E-01	1.4E-02	2.6E-09
216	0.00	3.4E-09	2.0E+00	7.5E-04	1.0E-03	1.6E-06	1.6E-01	1.4E-02	3.4E-09
217	0.00	3.9E-09	2.3E+00	7.5E-04	1.0E-03	1.8E-06	1.6E-01	1.4E-02	3.9E-09
218	0.00	3.9E-09	2.3E+00	7.5E-04	1.0E-03	1.8E-06	1.6E-01	1.4E-02	3.9E-09
219	0.00	3.6E-09	2.1E+00	7.5E-04	1.0E-03	1.7E-06	1.6E-01	1.4E-02	3.6E-09
220	0.00	3.0E-09	1.8E+00	7.5E-04	1.0E-03	1.4E-06	1.6E-01	1.4E-02	3.0E-09
221	0.00	2.4E-09	1.4E+00	7.5E-04	1.0E-03	1.1E-06	1.6E-01	1.4E-02	2.4E-09
222	0.00	1.8E-09	1.1E+00	7.5E-04	1.0E-03	8.3E-07	1.6E-01	1.4E-02	1.8E-09
223	0.00	1.4E-09	8.4E-01	7.5E-04	1.0E-03	6.6E-07	1.6E-01	1.4E-02	1.4E-09

224	0.00	1.2E-09	7.4E-01	7.5E-04	1.0E-03	5.8E-07	1.6E-01	1.4E-02	1.2E-09
225	0.00	5.3E-10	3.1E-01	7.5E-04	1.0E-03	2.5E-07	1.6E-01	1.4E-02	5.3E-10
226	0.00	6.3E-10	3.7E-01	7.5E-04	1.0E-03	2.9E-07	1.6E-01	1.4E-02	6.3E-10
227	0.00	7.6E-10	4.5E-01	7.5E-04	1.0E-03	3.5E-07	1.6E-01	1.4E-02	7.6E-10
228	0.00	9.4E-10	5.6E-01	7.5E-04	1.0E-03	4.3E-07	1.6E-01	1.4E-02	9.3E-10
229	0.00	1.2E-09	7.0E-01	7.5E-04	1.0E-03	5.5E-07	1.6E-01	1.4E-02	1.2E-09
230	0.00	1.5E-09	9.0E-01	7.5E-04	1.0E-03	7.0E-07	1.6E-01	1.4E-02	1.5E-09
231	0.00	1.9E-09	1.1E+00	7.5E-04	1.0E-03	8.9E-07	1.6E-01	1.4E-02	1.9E-09
232	0.00	2.3E-09	1.4E+00	7.5E-04	1.0E-03	1.1E-06	1.6E-01	1.4E-02	2.3E-09
233	0.00	2.6E-09	1.6E+00	7.5E-04	1.0E-03	1.2E-06	1.6E-01	1.4E-02	2.6E-09
234	0.00	2.7E-09	1.6E+00	7.5E-04	1.0E-03	1.3E-06	1.6E-01	1.4E-02	2.7E-09
235	0.00	2.6E-09	1.5E+00	7.5E-04	1.0E-03	1.2E-06	1.6E-01	1.4E-02	2.6E-09
236	0.00	2.3E-09	1.4E+00	7.5E-04	1.0E-03	1.1E-06	1.6E-01	1.4E-02	2.3E-09
237	0.00	2.0E-09	1.2E+00	7.5E-04	1.0E-03	9.2E-07	1.6E-01	1.4E-02	2.0E-09
238	0.00	1.6E-09	9.7E-01	7.5E-04	1.0E-03	7.6E-07	1.6E-01	1.4E-02	1.6E-09
239	0.00	1.2E-09	7.4E-01	7.5E-04	1.0E-03	5.8E-07	1.6E-01	1.4E-02	1.2E-09
240	0.00	1.0E-09	6.1E-01	7.5E-04	1.0E-03	4.8E-07	1.6E-01	1.4E-02	1.0E-09
241	0.00	4.7E-10	2.8E-01	7.5E-04	1.0E-03	2.2E-07	1.6E-01	1.4E-02	4.7E-10
242	0.00	5.6E-10	3.3E-01	7.5E-04	1.0E-03	2.6E-07	1.6E-01	1.4E-02	5.5E-10
243	0.00	6.6E-10	3.9E-01	7.5E-04	1.0E-03	3.1E-07	1.6E-01	1.4E-02	6.6E-10
244	0.00	7.9E-10	4.7E-01	7.5E-04	1.0E-03	3.7E-07	1.6E-01	1.4E-02	7.9E-10
245	0.00	9.7E-10	5.7E-01	7.5E-04	1.0E-03	4.5E-07	1.6E-01	1.4E-02	9.7E-10
246	0.00	1.2E-09	7.0E-01	7.5E-04	1.0E-03	5.5E-07	1.6E-01	1.4E-02	1.2E-09
247	0.00	1.5E-09	8.6E-01	7.5E-04	1.0E-03	6.7E-07	1.6E-01	1.4E-02	1.5E-09
248	0.00	1.7E-09	1.0E+00	7.5E-04	1.0E-03	7.9E-07	1.6E-01	1.4E-02	1.7E-09
249	0.00	1.9E-09	1.1E+00	7.5E-04	1.0E-03	8.8E-07	1.6E-01	1.4E-02	1.9E-09
250	0.00	2.0E-09	1.2E+00	7.5E-04	1.0E-03	9.2E-07	1.6E-01	1.4E-02	2.0E-09
251	0.00	1.9E-09	1.1E+00	7.5E-04	1.0E-03	9.0E-07	1.6E-01	1.4E-02	1.9E-09
252	0.00	1.8E-09	1.1E+00	7.5E-04	1.0E-03	8.3E-07	1.6E-01	1.4E-02	1.8E-09
253	0.00	1.6E-09	9.5E-01	7.5E-04	1.0E-03	7.4E-07	1.6E-01	1.4E-02	1.6E-09
254	0.00	1.4E-09	8.2E-01	7.5E-04	1.0E-03	6.4E-07	1.6E-01	1.4E-02	1.4E-09
255	0.00	1.2E-09	6.9E-01	7.5E-04	1.0E-03	5.4E-07	1.6E-01	1.4E-02	1.2E-09
256	0.00	9.2E-10	5.4E-01	7.5E-04	1.0E-03	4.2E-07	1.6E-01	1.4E-02	9.1E-10
257	0.00	4.3E-10	2.5E-01	7.5E-04	1.0E-03	2.0E-07	1.6E-01	1.4E-02	4.3E-10
258	0.00	4.9E-10	2.9E-01	7.5E-04	1.0E-03	2.3E-07	1.6E-01	1.4E-02	4.9E-10
259	0.00	5.7E-10	3.4E-01	7.5E-04	1.0E-03	2.7E-07	1.6E-01	1.4E-02	5.7E-10
260	0.00	6.8E-10	4.0E-01	7.5E-04	1.0E-03	3.1E-07	1.6E-01	1.4E-02	6.8E-10
261	0.00	8.1E-10	4.8E-01	7.5E-04	1.0E-03	3.8E-07	1.6E-01	1.4E-02	8.1E-10
262	0.00	9.7E-10	5.7E-01	7.5E-04	1.0E-03	4.5E-07	1.6E-01	1.4E-02	9.6E-10
263	0.00	1.1E-09	6.8E-01	7.5E-04	1.0E-03	5.3E-07	1.6E-01	1.4E-02	1.1E-09
264	0.00	1.3E-09	7.8E-01	7.5E-04	1.0E-03	6.1E-07	1.6E-01	1.4E-02	1.3E-09
265	0.00	1.4E-09	8.5E-01	7.5E-04	1.0E-03	6.7E-07	1.6E-01	1.4E-02	1.4E-09
266	0.00	1.5E-09	8.9E-01	7.5E-04	1.0E-03	6.9E-07	1.6E-01	1.4E-02	1.5E-09
267	0.00	1.5E-09	8.8E-01	7.5E-04	1.0E-03	6.9E-07	1.6E-01	1.4E-02	1.5E-09
268	0.00	1.4E-09	8.4E-01	7.5E-04	1.0E-03	6.6E-07	1.6E-01	1.4E-02	1.4E-09
269	0.00	1.3E-09	7.7E-01	7.5E-04	1.0E-03	6.0E-07	1.6E-01	1.4E-02	1.3E-09

270	0.00	1.2E-09	6.9E-01	7.5E-04	1.0E-03	5.4E-07	1.6E-01	1.4E-02	1.2E-09
271	0.00	1.0E-09	6.0E-01	7.5E-04	1.0E-03	4.7E-07	1.6E-01	1.4E-02	1.0E-09
272	0.00	8.2E-10	4.9E-01	7.5E-04	1.0E-03	3.8E-07	1.6E-01	1.4E-02	8.2E-10
273	0.00	2.4E-09	1.4E+00	7.5E-04	1.0E-03	1.1E-06	1.6E-01	1.4E-02	2.4E-09
274	0.00	2.6E-09	1.5E+00	7.5E-04	1.0E-03	1.2E-06	1.6E-01	1.4E-02	2.5E-09
275	0.00	2.8E-09	1.6E+00	7.5E-04	1.0E-03	1.2E-06	1.6E-01	1.4E-02	2.7E-09
276	0.00	3.0E-09	1.7E+00	7.5E-04	1.0E-03	1.3E-06	1.6E-01	1.4E-02	2.8E-09
277	0.00	3.2E-09	1.8E+00	7.5E-04	1.0E-03	1.4E-06	1.6E-01	1.4E-02	3.0E-09
278	0.00	3.5E-09	1.9E+00	7.5E-04	1.0E-03	1.5E-06	1.6E-01	1.4E-02	3.2E-09
279	0.00	3.7E-09	2.0E+00	7.5E-04	1.0E-03	1.6E-06	1.6E-01	1.4E-02	3.4E-09
280	0.00	3.9E-09	2.1E+00	7.5E-04	1.0E-03	1.7E-06	1.6E-01	1.4E-02	3.6E-09
281	0.00	4.1E-09	2.3E+00	7.5E-04	1.0E-03	1.8E-06	1.6E-01	1.4E-02	3.8E-09
282	0.00	4.3E-09	2.4E+00	7.5E-04	1.0E-03	1.9E-06	1.6E-01	1.4E-02	4.0E-09
283	0.00	4.5E-09	2.6E+00	7.5E-04	1.0E-03	2.0E-06	1.6E-01	1.4E-02	4.3E-09
284	0.00	4.7E-09	2.7E+00	7.5E-04	1.0E-03	2.1E-06	1.6E-01	1.4E-02	4.5E-09
285	0.00	4.9E-09	2.8E+00	7.5E-04	1.0E-03	2.2E-06	1.6E-01	1.4E-02	4.7E-09
286	0.01	5.1E-09	3.0E+00	7.5E-04	1.0E-03	2.3E-06	1.6E-01	1.4E-02	5.0E-09
287	0.01	5.4E-09	3.1E+00	7.5E-04	1.0E-03	2.5E-06	1.6E-01	1.4E-02	5.3E-09
288	0.01	5.6E-09	3.3E+00	7.5E-04	1.0E-03	2.6E-06	1.6E-01	1.4E-02	5.5E-09
289	0.01	5.9E-09	3.5E+00	7.5E-04	1.0E-03	2.7E-06	1.6E-01	1.4E-02	5.9E-09
290	0.01	6.3E-09	3.7E+00	7.5E-04	1.0E-03	2.9E-06	1.6E-01	1.4E-02	6.2E-09
291	0.01	6.5E-09	3.8E+00	7.5E-04	1.0E-03	3.0E-06	1.6E-01	1.4E-02	6.4E-09
292	0.01	6.7E-09	3.9E+00	7.5E-04	1.0E-03	3.1E-06	1.6E-01	1.4E-02	6.6E-09
293	0.01	6.8E-09	4.0E+00	7.5E-04	1.0E-03	3.1E-06	1.6E-01	1.4E-02	6.7E-09
294	0.01	6.8E-09	4.0E+00	7.5E-04	1.0E-03	3.2E-06	1.6E-01	1.4E-02	6.8E-09
295	0.01	6.9E-09	4.1E+00	7.5E-04	1.0E-03	3.2E-06	1.6E-01	1.4E-02	6.8E-09
296	0.01	6.9E-09	4.0E+00	7.5E-04	1.0E-03	3.2E-06	1.6E-01	1.4E-02	6.8E-09
297	0.01	6.8E-09	4.0E+00	7.5E-04	1.0E-03	3.1E-06	1.6E-01	1.4E-02	6.8E-09
298	0.01	6.7E-09	4.0E+00	7.5E-04	1.0E-03	3.1E-06	1.6E-01	1.4E-02	6.7E-09
299	0.00	2.6E-09	1.5E+00	7.5E-04	1.0E-03	1.2E-06	1.6E-01	1.4E-02	2.5E-09
300	0.00	2.8E-09	1.6E+00	7.5E-04	1.0E-03	1.3E-06	1.6E-01	1.4E-02	2.7E-09
301	0.00	3.0E-09	1.7E+00	7.5E-04	1.0E-03	1.3E-06	1.6E-01	1.4E-02	2.9E-09
302	0.00	3.3E-09	1.8E+00	7.5E-04	1.0E-03	1.4E-06	1.6E-01	1.4E-02	3.1E-09
303	0.00	3.4E-09	2.0E+00	7.5E-04	1.0E-03	1.5E-06	1.6E-01	1.4E-02	3.3E-09
304	0.00	3.6E-09	2.1E+00	7.5E-04	1.0E-03	1.7E-06	1.6E-01	1.4E-02	3.6E-09
305	0.00	3.9E-09	2.2E+00	7.5E-04	1.0E-03	1.8E-06	1.6E-01	1.4E-02	3.8E-09
306	0.00	4.2E-09	2.4E+00	7.5E-04	1.0E-03	1.9E-06	1.6E-01	1.4E-02	4.0E-09
307	0.00	4.5E-09	2.5E+00	7.5E-04	1.0E-03	2.0E-06	1.6E-01	1.4E-02	4.3E-09
308	0.00	4.7E-09	2.7E+00	7.5E-04	1.0E-03	2.1E-06	1.6E-01	1.4E-02	4.6E-09
309	0.00	5.0E-09	2.9E+00	7.5E-04	1.0E-03	2.3E-06	1.6E-01	1.4E-02	4.9E-09
310	0.01	5.4E-09	3.0E+00	7.5E-04	1.0E-03	2.4E-06	1.6E-01	1.4E-02	5.1E-09
311	0.01	5.6E-09	3.2E+00	7.5E-04	1.0E-03	2.5E-06	1.6E-01	1.4E-02	5.4E-09
312	0.01	5.9E-09	3.4E+00	7.5E-04	1.0E-03	2.7E-06	1.6E-01	1.4E-02	5.7E-09
313	0.01	6.3E-09	3.6E+00	7.5E-04	1.0E-03	2.9E-06	1.6E-01	1.4E-02	6.1E-09
314	0.01	6.6E-09	3.8E+00	7.5E-04	1.0E-03	3.0E-06	1.6E-01	1.4E-02	6.4E-09
315	0.01	6.9E-09	4.0E+00	7.5E-04	1.0E-03	3.2E-06	1.6E-01	1.4E-02	6.8E-09

316	0.01	7.3E-09	4.3E+00	7.5E-04	1.0E-03	3.3E-06	1.6E-01	1.4E-02	7.2E-09
317	0.01	7.5E-09	4.4E+00	7.5E-04	1.0E-03	3.5E-06	1.6E-01	1.4E-02	7.5E-09
318	0.01	7.7E-09	4.5E+00	7.5E-04	1.0E-03	3.6E-06	1.6E-01	1.4E-02	7.6E-09
319	0.01	7.8E-09	4.6E+00	7.5E-04	1.0E-03	3.6E-06	1.6E-01	1.4E-02	7.7E-09
320	0.01	7.8E-09	4.6E+00	7.5E-04	1.0E-03	3.6E-06	1.6E-01	1.4E-02	7.8E-09
321	0.01	7.8E-09	4.6E+00	7.5E-04	1.0E-03	3.6E-06	1.6E-01	1.4E-02	7.8E-09
322	0.01	7.7E-09	4.6E+00	7.5E-04	1.0E-03	3.6E-06	1.6E-01	1.4E-02	7.7E-09
323	0.01	7.6E-09	4.5E+00	7.5E-04	1.0E-03	3.5E-06	1.6E-01	1.4E-02	7.6E-09
324	0.01	7.5E-09	4.4E+00	7.5E-04	1.0E-03	3.5E-06	1.6E-01	1.4E-02	7.4E-09
325	0.00	2.8E-09	1.6E+00	7.5E-04	1.0E-03	1.3E-06	1.6E-01	1.4E-02	2.7E-09
326	0.00	3.0E-09	1.7E+00	7.5E-04	1.0E-03	1.4E-06	1.6E-01	1.4E-02	2.9E-09
327	0.00	3.3E-09	1.9E+00	7.5E-04	1.0E-03	1.5E-06	1.6E-01	1.4E-02	3.1E-09
328	0.00	3.6E-09	2.0E+00	7.5E-04	1.0E-03	1.6E-06	1.6E-01	1.4E-02	3.4E-09
329	0.00	3.7E-09	2.2E+00	7.5E-04	1.0E-03	1.7E-06	1.6E-01	1.4E-02	3.6E-09
330	0.00	4.0E-09	2.3E+00	7.5E-04	1.0E-03	1.8E-06	1.6E-01	1.4E-02	3.9E-09
331	0.00	4.4E-09	2.5E+00	7.5E-04	1.0E-03	1.9E-06	1.6E-01	1.4E-02	4.2E-09
332	0.00	4.5E-09	2.7E+00	7.5E-04	1.0E-03	2.1E-06	1.6E-01	1.4E-02	4.5E-09
333	0.00	4.8E-09	2.9E+00	7.5E-04	1.0E-03	2.2E-06	1.6E-01	1.4E-02	4.8E-09
334	0.01	5.4E-09	3.1E+00	7.5E-04	1.0E-03	2.4E-06	1.6E-01	1.4E-02	5.2E-09
335	0.01	5.7E-09	3.3E+00	7.5E-04	1.0E-03	2.6E-06	1.6E-01	1.4E-02	5.6E-09
336	0.01	6.0E-09	3.5E+00	7.5E-04	1.0E-03	2.7E-06	1.6E-01	1.4E-02	5.9E-09
337	0.01	6.5E-09	3.7E+00	7.5E-04	1.0E-03	2.9E-06	1.6E-01	1.4E-02	6.3E-09
338	0.01	6.9E-09	4.0E+00	7.5E-04	1.0E-03	3.1E-06	1.6E-01	1.4E-02	6.7E-09
339	0.01	7.3E-09	4.3E+00	7.5E-04	1.0E-03	3.3E-06	1.6E-01	1.4E-02	7.2E-09
340	0.01	7.7E-09	4.5E+00	7.5E-04	1.0E-03	3.5E-06	1.6E-01	1.4E-02	7.6E-09
341	0.01	8.1E-09	4.8E+00	7.5E-04	1.0E-03	3.7E-06	1.6E-01	1.4E-02	8.0E-09
342	0.01	8.5E-09	5.0E+00	7.5E-04	1.0E-03	3.9E-06	1.6E-01	1.4E-02	8.4E-09
343	0.01	8.8E-09	5.2E+00	7.5E-04	1.0E-03	4.1E-06	1.6E-01	1.4E-02	8.8E-09
344	0.01	8.9E-09	5.3E+00	7.5E-04	1.0E-03	4.1E-06	1.6E-01	1.4E-02	8.9E-09
345	0.01	9.0E-09	5.3E+00	7.5E-04	1.0E-03	4.2E-06	1.6E-01	1.4E-02	8.9E-09
346	0.01	8.9E-09	5.3E+00	7.5E-04	1.0E-03	4.1E-06	1.6E-01	1.4E-02	8.9E-09
347	0.01	8.9E-09	5.2E+00	7.5E-04	1.0E-03	4.1E-06	1.6E-01	1.4E-02	8.8E-09
348	0.01	8.7E-09	5.2E+00	7.5E-04	1.0E-03	4.0E-06	1.6E-01	1.4E-02	8.7E-09
349	0.01	8.5E-09	5.0E+00	7.5E-04	1.0E-03	4.0E-06	1.6E-01	1.4E-02	8.5E-09
350	0.01	8.3E-09	4.9E+00	7.5E-04	1.0E-03	3.9E-06	1.6E-01	1.4E-02	8.3E-09
351	0.00	3.0E-09	1.7E+00	7.5E-04	1.0E-03	1.4E-06	1.6E-01	1.4E-02	2.9E-09
352	0.00	3.3E-09	1.9E+00	7.5E-04	1.0E-03	1.5E-06	1.6E-01	1.4E-02	3.2E-09
353	0.00	3.6E-09	2.0E+00	7.5E-04	1.0E-03	1.6E-06	1.6E-01	1.4E-02	3.4E-09
354	0.00	3.8E-09	2.2E+00	7.5E-04	1.0E-03	1.7E-06	1.6E-01	1.4E-02	3.7E-09
355	0.00	4.1E-09	2.4E+00	7.5E-04	1.0E-03	1.9E-06	1.6E-01	1.4E-02	4.0E-09
356	0.00	4.5E-09	2.6E+00	7.5E-04	1.0E-03	2.0E-06	1.6E-01	1.4E-02	4.4E-09
357	0.00	4.7E-09	2.8E+00	7.5E-04	1.0E-03	2.2E-06	1.6E-01	1.4E-02	4.7E-09
358	0.01	5.1E-09	3.0E+00	7.5E-04	1.0E-03	2.4E-06	1.6E-01	1.4E-02	5.1E-09
359	0.01	5.5E-09	3.3E+00	7.5E-04	1.0E-03	2.6E-06	1.6E-01	1.4E-02	5.5E-09
360	0.01	6.2E-09	3.5E+00	7.5E-04	1.0E-03	2.8E-06	1.6E-01	1.4E-02	6.0E-09
361	0.01	6.6E-09	3.8E+00	7.5E-04	1.0E-03	3.0E-06	1.6E-01	1.4E-02	6.4E-09

362	0.01	7.0E-09	4.1E+00	7.5E-04	1.0E-03	3.2E-06	1.6E-01	1.4E-02	6.9E-09
363	0.01	7.7E-09	4.4E+00	7.5E-04	1.0E-03	3.4E-06	1.6E-01	1.4E-02	7.4E-09
364	0.01	8.1E-09	4.7E+00	7.5E-04	1.0E-03	3.7E-06	1.6E-01	1.4E-02	7.9E-09
365	0.01	8.7E-09	5.1E+00	7.5E-04	1.0E-03	4.0E-06	1.6E-01	1.4E-02	8.5E-09
366	0.01	9.2E-09	5.4E+00	7.5E-04	1.0E-03	4.2E-06	1.6E-01	1.4E-02	9.1E-09
367	0.01	9.7E-09	5.7E+00	7.5E-04	1.0E-03	4.5E-06	1.6E-01	1.4E-02	9.6E-09
368	0.01	1.0E-08	6.0E+00	7.5E-04	1.0E-03	4.7E-06	1.6E-01	1.4E-02	1.0E-08
369	0.01	1.0E-08	6.1E+00	7.5E-04	1.0E-03	4.8E-06	1.6E-01	1.4E-02	1.0E-08
370	0.01	1.0E-08	6.2E+00	7.5E-04	1.0E-03	4.8E-06	1.6E-01	1.4E-02	1.0E-08
371	0.01	1.0E-08	6.2E+00	7.5E-04	1.0E-03	4.8E-06	1.6E-01	1.4E-02	1.0E-08
372	0.01	1.0E-08	6.1E+00	7.5E-04	1.0E-03	4.8E-06	1.6E-01	1.4E-02	1.0E-08
373	0.01	1.0E-08	6.0E+00	7.5E-04	1.0E-03	4.7E-06	1.6E-01	1.4E-02	1.0E-08
374	0.01	9.8E-09	5.8E+00	7.5E-04	1.0E-03	4.6E-06	1.6E-01	1.4E-02	9.8E-09
375	0.01	9.6E-09	5.7E+00	7.5E-04	1.0E-03	4.4E-06	1.6E-01	1.4E-02	9.5E-09
376	0.01	9.2E-09	5.5E+00	7.5E-04	1.0E-03	4.3E-06	1.6E-01	1.4E-02	9.2E-09
377	0.00	3.2E-09	1.9E+00	7.5E-04	1.0E-03	1.5E-06	1.6E-01	1.4E-02	3.1E-09
378	0.00	3.5E-09	2.0E+00	7.5E-04	1.0E-03	1.6E-06	1.6E-01	1.4E-02	3.4E-09
379	0.00	3.9E-09	2.2E+00	7.5E-04	1.0E-03	1.7E-06	1.6E-01	1.4E-02	3.7E-09
380	0.00	4.1E-09	2.4E+00	7.5E-04	1.0E-03	1.9E-06	1.6E-01	1.4E-02	4.0E-09
381	0.00	4.5E-09	2.6E+00	7.5E-04	1.0E-03	2.1E-06	1.6E-01	1.4E-02	4.4E-09
382	0.01	1.2E-08	7.0E+00	7.5E-04	1.0E-03	5.4E-06	1.6E-01	1.4E-02	1.2E-08
383	0.01	1.2E-08	7.2E+00	7.5E-04	1.0E-03	5.6E-06	1.6E-01	1.4E-02	1.2E-08
384	0.01	1.2E-08	7.3E+00	7.5E-04	1.0E-03	5.7E-06	1.6E-01	1.4E-02	1.2E-08
385	0.01	1.2E-08	7.3E+00	7.5E-04	1.0E-03	5.7E-06	1.6E-01	1.4E-02	1.2E-08
386	0.01	1.2E-08	7.2E+00	7.5E-04	1.0E-03	5.6E-06	1.6E-01	1.4E-02	1.2E-08
387	0.01	1.2E-08	7.0E+00	7.5E-04	1.0E-03	5.5E-06	1.6E-01	1.4E-02	1.2E-08
388	0.01	1.2E-08	6.8E+00	7.5E-04	1.0E-03	5.3E-06	1.6E-01	1.4E-02	1.1E-08
389	0.01	1.1E-08	6.6E+00	7.5E-04	1.0E-03	5.1E-06	1.6E-01	1.4E-02	1.1E-08
390	0.01	1.1E-08	6.3E+00	7.5E-04	1.0E-03	4.9E-06	1.6E-01	1.4E-02	1.1E-08
391	0.01	1.0E-08	6.1E+00	7.5E-04	1.0E-03	4.7E-06	1.6E-01	1.4E-02	1.0E-08
392	0.00	3.4E-09	2.0E+00	7.5E-04	1.0E-03	1.6E-06	1.6E-01	1.4E-02	3.4E-09
393	0.00	3.8E-09	2.2E+00	7.5E-04	1.0E-03	1.7E-06	1.6E-01	1.4E-02	3.7E-09
394	0.00	4.2E-09	2.4E+00	7.5E-04	1.0E-03	1.9E-06	1.6E-01	1.4E-02	4.0E-09
395	0.00	4.5E-09	2.6E+00	7.5E-04	1.0E-03	2.1E-06	1.6E-01	1.4E-02	4.4E-09
396	0.00	5.0E-09	2.9E+00	7.5E-04	1.0E-03	2.3E-06	1.6E-01	1.4E-02	4.9E-09
397	0.01	1.5E-08	8.6E+00	7.5E-04	1.0E-03	6.7E-06	1.6E-01	1.4E-02	1.5E-08
398	0.01	1.5E-08	8.8E+00	7.5E-04	1.0E-03	6.9E-06	1.6E-01	1.4E-02	1.5E-08
399	0.01	1.5E-08	8.8E+00	7.5E-04	1.0E-03	6.9E-06	1.6E-01	1.4E-02	1.5E-08
400	0.01	1.5E-08	8.7E+00	7.5E-04	1.0E-03	6.8E-06	1.6E-01	1.4E-02	1.5E-08
401	0.01	1.4E-08	8.4E+00	7.5E-04	1.0E-03	6.6E-06	1.6E-01	1.4E-02	1.4E-08
402	0.01	1.4E-08	8.1E+00	7.5E-04	1.0E-03	6.3E-06	1.6E-01	1.4E-02	1.4E-08
403	0.01	1.3E-08	7.7E+00	7.5E-04	1.0E-03	6.1E-06	1.6E-01	1.4E-02	1.3E-08
404	0.01	1.2E-08	7.4E+00	7.5E-04	1.0E-03	5.8E-06	1.6E-01	1.4E-02	1.2E-08
405	0.01	1.2E-08	7.0E+00	7.5E-04	1.0E-03	5.5E-06	1.6E-01	1.4E-02	1.2E-08
406	0.01	1.1E-08	6.7E+00	7.5E-04	1.0E-03	5.2E-06	1.6E-01	1.4E-02	1.1E-08
407	0.00	3.7E-09	2.1E+00	7.5E-04	1.0E-03	1.7E-06	1.6E-01	1.4E-02	3.6E-09

408	0.00	4.0E-09	2.3E+00	7.5E-04	1.0E-03	1.8E-06	1.6E-01	1.4E-02	3.9E-09
409	0.00	4.4E-09	2.6E+00	7.5E-04	1.0E-03	2.0E-06	1.6E-01	1.4E-02	4.3E-09
410	0.00	5.0E-09	2.8E+00	7.5E-04	1.0E-03	2.2E-06	1.6E-01	1.4E-02	4.8E-09
411	0.01	5.4E-09	3.2E+00	7.5E-04	1.0E-03	2.5E-06	1.6E-01	1.4E-02	5.3E-09
412	0.02	1.8E-08	1.1E+01	7.5E-04	1.0E-03	8.5E-06	1.6E-01	1.4E-02	1.8E-08
413	0.02	1.9E-08	1.1E+01	7.5E-04	1.0E-03	8.6E-06	1.6E-01	1.4E-02	1.8E-08
414	0.02	1.8E-08	1.1E+01	7.5E-04	1.0E-03	8.4E-06	1.6E-01	1.4E-02	1.8E-08
415	0.02	1.7E-08	1.0E+01	7.5E-04	1.0E-03	8.1E-06	1.6E-01	1.4E-02	1.7E-08
416	0.02	1.7E-08	9.8E+00	7.5E-04	1.0E-03	7.7E-06	1.6E-01	1.4E-02	1.7E-08
417	0.02	1.6E-08	9.3E+00	7.5E-04	1.0E-03	7.3E-06	1.6E-01	1.4E-02	1.6E-08
418	0.01	1.5E-08	8.8E+00	7.5E-04	1.0E-03	6.9E-06	1.6E-01	1.4E-02	1.5E-08
419	0.01	1.4E-08	8.3E+00	7.5E-04	1.0E-03	6.5E-06	1.6E-01	1.4E-02	1.4E-08
420	0.01	1.3E-08	7.8E+00	7.5E-04	1.0E-03	6.1E-06	1.6E-01	1.4E-02	1.3E-08
421	0.01	1.2E-08	7.3E+00	7.5E-04	1.0E-03	5.7E-06	1.6E-01	1.4E-02	1.2E-08
422	0.00	3.9E-09	2.3E+00	7.5E-04	1.0E-03	1.8E-06	1.6E-01	1.4E-02	3.8E-09
423	0.00	4.3E-09	2.5E+00	7.5E-04	1.0E-03	2.0E-06	1.6E-01	1.4E-02	4.2E-09
424	0.00	4.8E-09	2.8E+00	7.5E-04	1.0E-03	2.2E-06	1.6E-01	1.4E-02	4.7E-09
425	0.01	5.3E-09	3.1E+00	7.5E-04	1.0E-03	2.4E-06	1.6E-01	1.4E-02	5.2E-09
426	0.01	6.0E-09	3.5E+00	7.5E-04	1.0E-03	2.7E-06	1.6E-01	1.4E-02	5.9E-09
427	0.02	2.4E-08	1.4E+01	7.5E-04	1.0E-03	1.1E-05	1.6E-01	1.4E-02	2.4E-08
428	0.02	2.3E-08	1.4E+01	7.5E-04	1.0E-03	1.1E-05	1.6E-01	1.4E-02	2.3E-08
429	0.02	2.2E-08	1.3E+01	7.5E-04	1.0E-03	1.0E-05	1.6E-01	1.4E-02	2.2E-08
430	0.02	2.1E-08	1.2E+01	7.5E-04	1.0E-03	9.6E-06	1.6E-01	1.4E-02	2.1E-08
431	0.02	1.9E-08	1.1E+01	7.5E-04	1.0E-03	8.9E-06	1.6E-01	1.4E-02	1.9E-08
432	0.02	1.8E-08	1.1E+01	7.5E-04	1.0E-03	8.3E-06	1.6E-01	1.4E-02	1.8E-08
433	0.02	1.7E-08	9.9E+00	7.5E-04	1.0E-03	7.8E-06	1.6E-01	1.4E-02	1.7E-08
434	0.02	1.6E-08	9.2E+00	7.5E-04	1.0E-03	7.2E-06	1.6E-01	1.4E-02	1.6E-08
435	0.01	1.4E-08	8.6E+00	7.5E-04	1.0E-03	6.7E-06	1.6E-01	1.4E-02	1.4E-08
436	0.01	1.4E-08	8.0E+00	7.5E-04	1.0E-03	6.3E-06	1.6E-01	1.4E-02	1.3E-08
437	0.00	4.1E-09	2.4E+00	7.5E-04	1.0E-03	1.9E-06	1.6E-01	1.4E-02	4.1E-09
438	0.00	4.6E-09	2.7E+00	7.5E-04	1.0E-03	2.1E-06	1.6E-01	1.4E-02	4.5E-09
439	0.01	5.1E-09	3.0E+00	7.5E-04	1.0E-03	2.3E-06	1.6E-01	1.4E-02	5.0E-09
440	0.01	5.7E-09	3.3E+00	7.5E-04	1.0E-03	2.6E-06	1.6E-01	1.4E-02	5.6E-09
441	0.01	6.6E-09	3.8E+00	7.5E-04	1.0E-03	3.0E-06	1.6E-01	1.4E-02	6.4E-09
442	0.03	3.1E-08	1.9E+01	7.5E-04	1.0E-03	1.5E-05	1.6E-01	1.4E-02	3.1E-08
443	0.03	2.9E-08	1.7E+01	7.5E-04	1.0E-03	1.4E-05	1.6E-01	1.4E-02	2.9E-08
444	0.03	2.7E-08	1.6E+01	7.5E-04	1.0E-03	1.2E-05	1.6E-01	1.4E-02	2.7E-08
445	0.02	2.4E-08	1.4E+01	7.5E-04	1.0E-03	1.1E-05	1.6E-01	1.4E-02	2.4E-08
446	0.02	2.2E-08	1.3E+01	7.5E-04	1.0E-03	1.0E-05	1.6E-01	1.4E-02	2.2E-08
447	0.02	2.0E-08	1.2E+01	7.5E-04	1.0E-03	9.5E-06	1.6E-01	1.4E-02	2.0E-08
448	0.02	1.9E-08	1.1E+01	7.5E-04	1.0E-03	8.7E-06	1.6E-01	1.4E-02	1.9E-08
449	0.02	1.7E-08	1.0E+01	7.5E-04	1.0E-03	8.0E-06	1.6E-01	1.4E-02	1.7E-08
450	0.02	1.6E-08	9.4E+00	7.5E-04	1.0E-03	7.4E-06	1.6E-01	1.4E-02	1.6E-08
451	0.01	1.5E-08	8.7E+00	7.5E-04	1.0E-03	6.8E-06	1.6E-01	1.4E-02	1.5E-08
452	0.00	4.3E-09	2.5E+00	7.5E-04	1.0E-03	2.0E-06	1.6E-01	1.4E-02	4.3E-09
453	0.00	4.8E-09	2.8E+00	7.5E-04	1.0E-03	2.2E-06	1.6E-01	1.4E-02	4.8E-09

454	0.01	5.5E-09	3.2E+00	7.5E-04	1.0E-03	2.5E-06	1.6E-01	1.4E-02	5.4E-09
455	0.01	6.2E-09	3.6E+00	7.5E-04	1.0E-03	2.8E-06	1.6E-01	1.4E-02	6.1E-09
456	0.01	7.2E-09	4.2E+00	7.5E-04	1.0E-03	3.3E-06	1.6E-01	1.4E-02	7.1E-09
457	0.04	4.1E-08	2.5E+01	7.5E-04	1.0E-03	1.9E-05	1.6E-01	1.4E-02	4.1E-08
458	0.04	3.6E-08	2.2E+01	7.5E-04	1.0E-03	1.7E-05	1.6E-01	1.4E-02	3.6E-08
459	0.03	3.2E-08	1.9E+01	7.5E-04	1.0E-03	1.5E-05	1.6E-01	1.4E-02	3.2E-08
460	0.03	2.8E-08	1.7E+01	7.5E-04	1.0E-03	1.3E-05	1.6E-01	1.4E-02	2.8E-08
461	0.03	2.5E-08	1.5E+01	7.5E-04	1.0E-03	1.2E-05	1.6E-01	1.4E-02	2.5E-08
462	0.02	2.3E-08	1.4E+01	7.5E-04	1.0E-03	1.1E-05	1.6E-01	1.4E-02	2.3E-08
463	0.02	2.1E-08	1.2E+01	7.5E-04	1.0E-03	9.7E-06	1.6E-01	1.4E-02	2.1E-08
464	0.02	1.9E-08	1.1E+01	7.5E-04	1.0E-03	8.8E-06	1.6E-01	1.4E-02	1.9E-08
465	0.02	1.7E-08	1.0E+01	7.5E-04	1.0E-03	8.0E-06	1.6E-01	1.4E-02	1.7E-08
466	0.02	1.6E-08	9.4E+00	7.5E-04	1.0E-03	7.3E-06	1.6E-01	1.4E-02	1.6E-08
467	0.00	4.5E-09	2.7E+00	7.5E-04	1.0E-03	2.1E-06	1.6E-01	1.4E-02	4.5E-09
468	0.01	5.1E-09	3.0E+00	7.5E-04	1.0E-03	2.4E-06	1.6E-01	1.4E-02	5.1E-09
469	0.01	5.8E-09	3.4E+00	7.5E-04	1.0E-03	2.7E-06	1.6E-01	1.4E-02	5.7E-09
470	0.01	6.7E-09	3.9E+00	7.5E-04	1.0E-03	3.1E-06	1.6E-01	1.4E-02	6.6E-09
471	0.01	7.8E-09	4.6E+00	7.5E-04	1.0E-03	3.6E-06	1.6E-01	1.4E-02	7.7E-09
472	0.05	5.3E-08	3.1E+01	7.5E-04	1.0E-03	2.5E-05	1.6E-01	1.4E-02	5.3E-08
473	0.04	4.4E-08	2.6E+01	7.5E-04	1.0E-03	2.0E-05	1.6E-01	1.4E-02	4.4E-08
474	0.04	3.7E-08	2.2E+01	7.5E-04	1.0E-03	1.7E-05	1.6E-01	1.4E-02	3.7E-08
475	0.03	3.3E-08	1.9E+01	7.5E-04	1.0E-03	1.5E-05	1.6E-01	1.4E-02	3.3E-08
476	0.03	2.9E-08	1.7E+01	7.5E-04	1.0E-03	1.3E-05	1.6E-01	1.4E-02	2.9E-08
477	0.03	2.6E-08	1.5E+01	7.5E-04	1.0E-03	1.2E-05	1.6E-01	1.4E-02	2.6E-08
478	0.02	2.3E-08	1.4E+01	7.5E-04	1.0E-03	1.1E-05	1.6E-01	1.4E-02	2.3E-08
479	0.02	2.1E-08	1.2E+01	7.5E-04	1.0E-03	9.6E-06	1.6E-01	1.4E-02	2.1E-08
480	0.02	1.9E-08	1.1E+01	7.5E-04	1.0E-03	8.7E-06	1.6E-01	1.4E-02	1.9E-08
481	0.02	1.7E-08	1.0E+01	7.5E-04	1.0E-03	7.9E-06	1.6E-01	1.4E-02	1.7E-08
482	0.00	4.8E-09	2.8E+00	7.5E-04	1.0E-03	2.2E-06	1.6E-01	1.4E-02	4.7E-09
483	0.01	5.4E-09	3.2E+00	7.5E-04	1.0E-03	2.5E-06	1.6E-01	1.4E-02	5.3E-09
484	0.01	6.1E-09	3.6E+00	7.5E-04	1.0E-03	2.8E-06	1.6E-01	1.4E-02	6.1E-09
485	0.01	7.1E-09	4.2E+00	7.5E-04	1.0E-03	3.3E-06	1.6E-01	1.4E-02	7.1E-09
486	0.01	8.4E-09	5.0E+00	7.5E-04	1.0E-03	3.9E-06	1.6E-01	1.4E-02	8.4E-09
487	0.06	6.3E-08	3.8E+01	7.5E-04	1.0E-03	2.9E-05	1.6E-01	1.4E-02	6.3E-08
488	0.05	5.1E-08	3.0E+01	7.5E-04	1.0E-03	2.4E-05	1.6E-01	1.4E-02	5.1E-08
489	0.04	4.3E-08	2.5E+01	7.5E-04	1.0E-03	2.0E-05	1.6E-01	1.4E-02	4.3E-08
490	0.04	3.7E-08	2.2E+01	7.5E-04	1.0E-03	1.7E-05	1.6E-01	1.4E-02	3.7E-08
491	0.03	3.2E-08	1.9E+01	7.5E-04	1.0E-03	1.5E-05	1.6E-01	1.4E-02	3.2E-08
492	0.03	2.8E-08	1.7E+01	7.5E-04	1.0E-03	1.3E-05	1.6E-01	1.4E-02	2.8E-08
493	0.03	2.5E-08	1.5E+01	7.5E-04	1.0E-03	1.2E-05	1.6E-01	1.4E-02	2.5E-08
494	0.02	2.2E-08	1.3E+01	7.5E-04	1.0E-03	1.0E-05	1.6E-01	1.4E-02	2.2E-08
495	0.02	2.0E-08	1.2E+01	7.5E-04	1.0E-03	9.4E-06	1.6E-01	1.4E-02	2.0E-08
496	0.02	1.8E-08	1.1E+01	7.5E-04	1.0E-03	8.4E-06	1.6E-01	1.4E-02	1.8E-08
497	0.00	5.0E-09	2.9E+00	7.5E-04	1.0E-03	2.3E-06	1.6E-01	1.4E-02	4.9E-09
498	0.01	5.6E-09	3.3E+00	7.5E-04	1.0E-03	2.6E-06	1.6E-01	1.4E-02	5.6E-09
499	0.01	6.5E-09	3.8E+00	7.5E-04	1.0E-03	3.0E-06	1.6E-01	1.4E-02	6.5E-09

500	0.01	7.6E-09	4.5E+00	7.5E-04	1.0E-03	3.5E-06	1.6E-01	1.4E-02	7.6E-09
501	0.01	9.1E-09	5.4E+00	7.5E-04	1.0E-03	4.2E-06	1.6E-01	1.4E-02	9.0E-09
502	0.07	7.2E-08	4.2E+01	7.5E-04	1.0E-03	3.3E-05	1.6E-01	1.4E-02	7.1E-08
503	0.06	5.7E-08	3.4E+01	7.5E-04	1.0E-03	2.7E-05	1.6E-01	1.4E-02	5.7E-08
504	0.05	4.7E-08	2.8E+01	7.5E-04	1.0E-03	2.2E-05	1.6E-01	1.4E-02	4.7E-08
505	0.04	4.0E-08	2.4E+01	7.5E-04	1.0E-03	1.9E-05	1.6E-01	1.4E-02	4.0E-08
506	0.04	3.5E-08	2.1E+01	7.5E-04	1.0E-03	1.6E-05	1.6E-01	1.4E-02	3.5E-08
507	0.03	3.1E-08	1.8E+01	7.5E-04	1.0E-03	1.4E-05	1.6E-01	1.4E-02	3.1E-08
508	0.03	2.7E-08	1.6E+01	7.5E-04	1.0E-03	1.3E-05	1.6E-01	1.4E-02	2.7E-08
509	0.02	2.4E-08	1.4E+01	7.5E-04	1.0E-03	1.1E-05	1.6E-01	1.4E-02	2.4E-08
510	0.02	2.1E-08	1.3E+01	7.5E-04	1.0E-03	1.0E-05	1.6E-01	1.4E-02	2.1E-08
511	0.02	1.9E-08	1.1E+01	7.5E-04	1.0E-03	8.9E-06	1.6E-01	1.4E-02	1.9E-08
512	0.01	5.1E-09	3.0E+00	7.5E-04	1.0E-03	2.4E-06	1.6E-01	1.4E-02	5.1E-09
513	0.01	5.9E-09	3.5E+00	7.5E-04	1.0E-03	2.7E-06	1.6E-01	1.4E-02	5.8E-09
514	0.01	6.8E-09	4.0E+00	7.5E-04	1.0E-03	3.1E-06	1.6E-01	1.4E-02	6.7E-09
515	0.01	8.0E-09	4.7E+00	7.5E-04	1.0E-03	3.7E-06	1.6E-01	1.4E-02	8.0E-09
516	0.01	9.7E-09	5.7E+00	7.5E-04	1.0E-03	4.5E-06	1.6E-01	1.4E-02	9.6E-09
517	0.08	7.8E-08	4.6E+01	7.5E-04	1.0E-03	3.6E-05	1.6E-01	1.4E-02	7.8E-08
518	0.06	6.3E-08	3.7E+01	7.5E-04	1.0E-03	2.9E-05	1.6E-01	1.4E-02	6.3E-08
519	0.05	5.2E-08	3.1E+01	7.5E-04	1.0E-03	2.4E-05	1.6E-01	1.4E-02	5.2E-08
520	0.04	4.4E-08	2.6E+01	7.5E-04	1.0E-03	2.1E-05	1.6E-01	1.4E-02	4.4E-08
521	0.04	3.8E-08	2.3E+01	7.5E-04	1.0E-03	1.8E-05	1.6E-01	1.4E-02	3.8E-08
522	0.03	3.3E-08	2.0E+01	7.5E-04	1.0E-03	1.5E-05	1.6E-01	1.4E-02	3.3E-08
523	0.03	2.9E-08	1.7E+01	7.5E-04	1.0E-03	1.4E-05	1.6E-01	1.4E-02	2.9E-08
524	0.03	2.6E-08	1.5E+01	7.5E-04	1.0E-03	1.2E-05	1.6E-01	1.4E-02	2.6E-08
525	0.02	2.3E-08	1.3E+01	7.5E-04	1.0E-03	1.1E-05	1.6E-01	1.4E-02	2.3E-08
526	0.02	2.0E-08	1.2E+01	7.5E-04	1.0E-03	9.3E-06	1.6E-01	1.4E-02	2.0E-08
527	0.01	5.3E-09	3.1E+00	7.5E-04	1.0E-03	2.4E-06	1.6E-01	1.4E-02	5.2E-09
528	0.01	6.1E-09	3.6E+00	7.5E-04	1.0E-03	2.8E-06	1.6E-01	1.4E-02	6.0E-09
529	0.01	7.1E-09	4.2E+00	7.5E-04	1.0E-03	3.3E-06	1.6E-01	1.4E-02	7.0E-09
530	0.01	8.4E-09	5.0E+00	7.5E-04	1.0E-03	3.9E-06	1.6E-01	1.4E-02	8.4E-09
531	0.01	1.0E-08	6.0E+00	7.5E-04	1.0E-03	4.7E-06	1.6E-01	1.4E-02	1.0E-08
532	0.08	8.4E-08	5.0E+01	7.5E-04	1.0E-03	3.9E-05	1.6E-01	1.4E-02	8.4E-08
533	0.07	6.9E-08	4.1E+01	7.5E-04	1.0E-03	3.2E-05	1.6E-01	1.4E-02	6.9E-08
534	0.06	5.7E-08	3.4E+01	7.5E-04	1.0E-03	2.6E-05	1.6E-01	1.4E-02	5.7E-08
535	0.05	4.8E-08	2.8E+01	7.5E-04	1.0E-03	2.2E-05	1.6E-01	1.4E-02	4.8E-08
536	0.04	4.1E-08	2.4E+01	7.5E-04	1.0E-03	1.9E-05	1.6E-01	1.4E-02	4.1E-08
537	0.04	3.5E-08	2.1E+01	7.5E-04	1.0E-03	1.6E-05	1.6E-01	1.4E-02	3.5E-08
538	0.03	3.1E-08	1.8E+01	7.5E-04	1.0E-03	1.4E-05	1.6E-01	1.4E-02	3.1E-08
539	0.03	2.7E-08	1.6E+01	7.5E-04	1.0E-03	1.3E-05	1.6E-01	1.4E-02	2.7E-08
540	0.02	2.3E-08	1.4E+01	7.5E-04	1.0E-03	1.1E-05	1.6E-01	1.4E-02	2.3E-08
541	0.02	2.0E-08	1.2E+01	7.5E-04	1.0E-03	9.5E-06	1.6E-01	1.4E-02	2.0E-08
542	0.01	5.4E-09	3.2E+00	7.5E-04	1.0E-03	2.5E-06	1.6E-01	1.4E-02	5.4E-09
543	0.01	6.2E-09	3.7E+00	7.5E-04	1.0E-03	2.9E-06	1.6E-01	1.4E-02	6.2E-09
544	0.01	7.3E-09	4.3E+00	7.5E-04	1.0E-03	3.4E-06	1.6E-01	1.4E-02	7.3E-09
545	0.01	8.7E-09	5.1E+00	7.5E-04	1.0E-03	4.0E-06	1.6E-01	1.4E-02	8.7E-09

546	0.01	1.1E-08	6.3E+00	7.5E-04	1.0E-03	4.9E-06	1.6E-01	1.4E-02	1.1E-08
547	0.09	9.4E-08	5.6E+01	7.5E-04	1.0E-03	4.4E-05	1.6E-01	1.4E-02	9.4E-08
548	0.08	7.6E-08	4.5E+01	7.5E-04	1.0E-03	3.5E-05	1.6E-01	1.4E-02	7.6E-08
549	0.06	6.2E-08	3.7E+01	7.5E-04	1.0E-03	2.9E-05	1.6E-01	1.4E-02	6.2E-08
550	0.05	5.2E-08	3.1E+01	7.5E-04	1.0E-03	2.4E-05	1.6E-01	1.4E-02	5.2E-08
551	0.04	4.2E-08	2.5E+01	7.5E-04	1.0E-03	2.0E-05	1.6E-01	1.4E-02	4.2E-08
552	0.04	3.6E-08	2.1E+01	7.5E-04	1.0E-03	1.7E-05	1.6E-01	1.4E-02	3.6E-08
553	0.03	3.1E-08	1.9E+01	7.5E-04	1.0E-03	1.4E-05	1.6E-01	1.4E-02	3.1E-08
554	0.03	2.7E-08	1.6E+01	7.5E-04	1.0E-03	1.3E-05	1.6E-01	1.4E-02	2.7E-08
555	0.02	2.4E-08	1.4E+01	7.5E-04	1.0E-03	1.1E-05	1.6E-01	1.4E-02	2.4E-08
556	0.02	2.0E-08	1.2E+01	7.5E-04	1.0E-03	9.5E-06	1.6E-01	1.4E-02	2.0E-08
557	0.01	5.4E-09	3.2E+00	7.5E-04	1.0E-03	2.5E-06	1.6E-01	1.4E-02	5.4E-09
558	0.01	6.3E-09	3.7E+00	7.5E-04	1.0E-03	2.9E-06	1.6E-01	1.4E-02	6.3E-09
559	0.01	7.4E-09	4.4E+00	7.5E-04	1.0E-03	3.4E-06	1.6E-01	1.4E-02	7.4E-09
560	0.01	8.9E-09	5.3E+00	7.5E-04	1.0E-03	4.1E-06	1.6E-01	1.4E-02	8.9E-09
561	0.01	1.1E-08	6.4E+00	7.5E-04	1.0E-03	5.0E-06	1.6E-01	1.4E-02	1.1E-08
562	0.09	8.6E-08	5.1E+01	7.5E-04	1.0E-03	4.0E-05	1.6E-01	1.4E-02	8.6E-08
563	0.07	7.0E-08	4.1E+01	7.5E-04	1.0E-03	3.2E-05	1.6E-01	1.4E-02	7.0E-08
564	0.06	5.6E-08	3.3E+01	7.5E-04	1.0E-03	2.6E-05	1.6E-01	1.4E-02	5.6E-08
565	0.04	4.3E-08	2.5E+01	7.5E-04	1.0E-03	2.0E-05	1.6E-01	1.4E-02	4.3E-08
566	0.04	3.6E-08	2.1E+01	7.5E-04	1.0E-03	1.7E-05	1.6E-01	1.4E-02	3.6E-08
567	0.03	3.0E-08	1.8E+01	7.5E-04	1.0E-03	1.4E-05	1.6E-01	1.4E-02	3.0E-08
568	0.03	2.6E-08	1.5E+01	7.5E-04	1.0E-03	1.2E-05	1.6E-01	1.4E-02	2.6E-08
569	0.02	2.2E-08	1.3E+01	7.5E-04	1.0E-03	1.0E-05	1.6E-01	1.4E-02	2.2E-08
570	0.02	2.0E-08	1.2E+01	7.5E-04	1.0E-03	9.2E-06	1.6E-01	1.4E-02	2.0E-08
571	0.01	5.5E-09	3.3E+00	7.5E-04	1.0E-03	2.5E-06	1.6E-01	1.4E-02	5.5E-09
572	0.01	6.4E-09	3.8E+00	7.5E-04	1.0E-03	3.0E-06	1.6E-01	1.4E-02	6.4E-09
573	0.01	7.5E-09	4.4E+00	7.5E-04	1.0E-03	3.5E-06	1.6E-01	1.4E-02	7.5E-09
574	0.01	9.0E-09	5.4E+00	7.5E-04	1.0E-03	4.2E-06	1.6E-01	1.4E-02	9.0E-09
575	0.01	1.1E-08	6.5E+00	7.5E-04	1.0E-03	5.1E-06	1.6E-01	1.4E-02	1.1E-08
576	0.08	8.0E-08	4.7E+01	7.5E-04	1.0E-03	3.7E-05	1.6E-01	1.4E-02	8.0E-08
577	0.06	6.3E-08	3.8E+01	7.5E-04	1.0E-03	2.9E-05	1.6E-01	1.4E-02	6.3E-08
578	0.05	4.9E-08	2.9E+01	7.5E-04	1.0E-03	2.3E-05	1.6E-01	1.4E-02	4.9E-08
579	0.04	4.0E-08	2.4E+01	7.5E-04	1.0E-03	1.9E-05	1.6E-01	1.4E-02	4.0E-08
580	0.03	3.3E-08	2.0E+01	7.5E-04	1.0E-03	1.5E-05	1.6E-01	1.4E-02	3.3E-08
581	0.03	2.7E-08	1.6E+01	7.5E-04	1.0E-03	1.3E-05	1.6E-01	1.4E-02	2.7E-08
582	0.02	2.3E-08	1.3E+01	7.5E-04	1.0E-03	1.1E-05	1.6E-01	1.4E-02	2.3E-08
583	0.02	1.9E-08	1.1E+01	7.5E-04	1.0E-03	8.9E-06	1.6E-01	1.4E-02	1.9E-08
584	0.01	5.5E-09	3.3E+00	7.5E-04	1.0E-03	2.5E-06	1.6E-01	1.4E-02	5.5E-09
585	0.01	6.4E-09	3.8E+00	7.5E-04	1.0E-03	3.0E-06	1.6E-01	1.4E-02	6.4E-09
586	0.01	7.6E-09	4.5E+00	7.5E-04	1.0E-03	3.5E-06	1.6E-01	1.4E-02	7.5E-09
587	0.01	9.0E-09	5.4E+00	7.5E-04	1.0E-03	4.2E-06	1.6E-01	1.4E-02	9.0E-09
588	0.01	1.1E-08	6.5E+00	7.5E-04	1.0E-03	5.1E-06	1.6E-01	1.4E-02	1.1E-08
589	0.07	7.5E-08	4.4E+01	7.5E-04	1.0E-03	3.5E-05	1.6E-01	1.4E-02	7.5E-08
590	0.06	5.9E-08	3.5E+01	7.5E-04	1.0E-03	2.8E-05	1.6E-01	1.4E-02	5.9E-08
591	0.05	4.7E-08	2.8E+01	7.5E-04	1.0E-03	2.2E-05	1.6E-01	1.4E-02	4.7E-08

592	0.04	3.7E-08	2.2E+01	7.5E-04	1.0E-03	1.7E-05	1.6E-01	1.4E-02	3.7E-08
593	0.03	3.0E-08	1.8E+01	7.5E-04	1.0E-03	1.4E-05	1.6E-01	1.4E-02	3.0E-08
594	0.02	2.4E-08	1.4E+01	7.5E-04	1.0E-03	1.1E-05	1.6E-01	1.4E-02	2.4E-08
595	0.02	2.0E-08	1.2E+01	7.5E-04	1.0E-03	9.2E-06	1.6E-01	1.4E-02	2.0E-08
596	0.01	5.5E-09	3.2E+00	7.5E-04	1.0E-03	2.5E-06	1.6E-01	1.4E-02	5.4E-09
597	0.01	6.4E-09	3.8E+00	7.5E-04	1.0E-03	2.9E-06	1.6E-01	1.4E-02	6.3E-09
598	0.01	7.5E-09	4.4E+00	7.5E-04	1.0E-03	3.5E-06	1.6E-01	1.4E-02	7.4E-09
599	0.01	8.9E-09	5.3E+00	7.5E-04	1.0E-03	4.1E-06	1.6E-01	1.4E-02	8.9E-09
600	0.01	1.1E-08	6.4E+00	7.5E-04	1.0E-03	5.0E-06	1.6E-01	1.4E-02	1.1E-08
601	0.06	6.4E-08	3.8E+01	7.5E-04	1.0E-03	2.9E-05	1.6E-01	1.4E-02	6.3E-08
602	0.05	4.8E-08	2.9E+01	7.5E-04	1.0E-03	2.3E-05	1.6E-01	1.4E-02	4.8E-08
603	0.04	3.8E-08	2.2E+01	7.5E-04	1.0E-03	1.7E-05	1.6E-01	1.4E-02	3.8E-08
604	0.03	3.0E-08	1.8E+01	7.5E-04	1.0E-03	1.4E-05	1.6E-01	1.4E-02	3.0E-08
605	0.02	2.4E-08	1.5E+01	7.5E-04	1.0E-03	1.1E-05	1.6E-01	1.4E-02	2.4E-08
606	0.02	2.0E-08	1.2E+01	7.5E-04	1.0E-03	9.3E-06	1.6E-01	1.4E-02	2.0E-08
607	0.01	5.4E-09	3.2E+00	7.5E-04	1.0E-03	2.5E-06	1.6E-01	1.4E-02	5.4E-09
608	0.01	6.2E-09	3.7E+00	7.5E-04	1.0E-03	2.9E-06	1.6E-01	1.4E-02	6.2E-09
609	0.01	7.3E-09	4.3E+00	7.5E-04	1.0E-03	3.4E-06	1.6E-01	1.4E-02	7.3E-09
610	0.01	8.7E-09	5.2E+00	7.5E-04	1.0E-03	4.0E-06	1.6E-01	1.4E-02	8.7E-09
611	0.01	1.1E-08	6.2E+00	7.5E-04	1.0E-03	4.9E-06	1.6E-01	1.4E-02	1.1E-08
612	0.06	6.5E-08	3.8E+01	7.5E-04	1.0E-03	3.0E-05	1.6E-01	1.4E-02	6.5E-08
613	0.05	4.8E-08	2.8E+01	7.5E-04	1.0E-03	2.2E-05	1.6E-01	1.4E-02	4.8E-08
614	0.04	3.7E-08	2.2E+01	7.5E-04	1.0E-03	1.7E-05	1.6E-01	1.4E-02	3.7E-08
615	0.03	2.9E-08	1.7E+01	7.5E-04	1.0E-03	1.4E-05	1.6E-01	1.4E-02	2.9E-08
616	0.02	2.4E-08	1.4E+01	7.5E-04	1.0E-03	1.1E-05	1.6E-01	1.4E-02	2.4E-08
617	0.02	1.9E-08	1.1E+01	7.5E-04	1.0E-03	8.9E-06	1.6E-01	1.4E-02	1.9E-08
618	0.01	5.2E-09	3.1E+00	7.5E-04	1.0E-03	2.4E-06	1.6E-01	1.4E-02	5.2E-09
619	0.01	6.1E-09	3.6E+00	7.5E-04	1.0E-03	2.8E-06	1.6E-01	1.4E-02	6.1E-09
620	0.01	7.1E-09	4.2E+00	7.5E-04	1.0E-03	3.3E-06	1.6E-01	1.4E-02	7.1E-09
621	0.01	8.4E-09	5.0E+00	7.5E-04	1.0E-03	3.9E-06	1.6E-01	1.4E-02	8.4E-09
622	0.01	1.0E-08	6.0E+00	7.5E-04	1.0E-03	4.7E-06	1.6E-01	1.4E-02	1.0E-08
623	0.06	6.1E-08	3.6E+01	7.5E-04	1.0E-03	2.8E-05	1.6E-01	1.4E-02	6.1E-08
624	0.04	4.5E-08	2.6E+01	7.5E-04	1.0E-03	2.1E-05	1.6E-01	1.4E-02	4.5E-08
625	0.03	3.4E-08	2.0E+01	7.5E-04	1.0E-03	1.6E-05	1.6E-01	1.4E-02	3.4E-08
626	0.03	2.7E-08	1.6E+01	7.5E-04	1.0E-03	1.3E-05	1.6E-01	1.4E-02	2.7E-08
627	0.02	2.2E-08	1.3E+01	7.5E-04	1.0E-03	1.0E-05	1.6E-01	1.4E-02	2.2E-08
628	0.02	1.8E-08	1.1E+01	7.5E-04	1.0E-03	8.5E-06	1.6E-01	1.4E-02	1.8E-08
629	0.01	5.1E-09	3.0E+00	7.5E-04	1.0E-03	2.4E-06	1.6E-01	1.4E-02	5.1E-09
630	0.01	5.8E-09	3.5E+00	7.5E-04	1.0E-03	2.7E-06	1.6E-01	1.4E-02	5.8E-09
631	0.01	6.8E-09	4.0E+00	7.5E-04	1.0E-03	3.2E-06	1.6E-01	1.4E-02	6.8E-09
632	0.01	8.0E-09	4.7E+00	7.5E-04	1.0E-03	3.7E-06	1.6E-01	1.4E-02	8.0E-09
633	0.01	9.6E-09	5.7E+00	7.5E-04	1.0E-03	4.5E-06	1.6E-01	1.4E-02	9.6E-09
634	0.05	5.2E-08	3.1E+01	7.5E-04	1.0E-03	2.4E-05	1.6E-01	1.4E-02	5.2E-08
635	0.04	3.9E-08	2.3E+01	7.5E-04	1.0E-03	1.8E-05	1.6E-01	1.4E-02	3.9E-08
636	0.03	3.1E-08	1.8E+01	7.5E-04	1.0E-03	1.4E-05	1.6E-01	1.4E-02	3.1E-08
637	0.02	2.5E-08	1.5E+01	7.5E-04	1.0E-03	1.2E-05	1.6E-01	1.4E-02	2.5E-08

638	0.02	2.1E-08	1.2E+01	7.5E-04	1.0E-03	9.5E-06	1.6E-01	1.4E-02	2.1E-08
639	0.02	1.7E-08	1.0E+01	7.5E-04	1.0E-03	8.0E-06	1.6E-01	1.4E-02	1.7E-08
640	0.00	4.9E-09	2.9E+00	7.5E-04	1.0E-03	2.3E-06	1.6E-01	1.4E-02	4.9E-09
641	0.01	5.6E-09	3.3E+00	7.5E-04	1.0E-03	2.6E-06	1.6E-01	1.4E-02	5.6E-09
642	0.01	6.5E-09	3.9E+00	7.5E-04	1.0E-03	3.0E-06	1.6E-01	1.4E-02	6.5E-09
643	0.01	7.6E-09	4.5E+00	7.5E-04	1.0E-03	3.5E-06	1.6E-01	1.4E-02	7.6E-09
644	0.01	9.1E-09	5.4E+00	7.5E-04	1.0E-03	4.2E-06	1.6E-01	1.4E-02	9.1E-09
645	0.04	4.2E-08	2.5E+01	7.5E-04	1.0E-03	2.0E-05	1.6E-01	1.4E-02	4.2E-08
646	0.03	3.3E-08	2.0E+01	7.5E-04	1.0E-03	1.5E-05	1.6E-01	1.4E-02	3.3E-08
647	0.03	2.7E-08	1.6E+01	7.5E-04	1.0E-03	1.2E-05	1.6E-01	1.4E-02	2.7E-08
648	0.02	2.2E-08	1.3E+01	7.5E-04	1.0E-03	1.0E-05	1.6E-01	1.4E-02	2.2E-08
649	0.02	1.9E-08	1.1E+01	7.5E-04	1.0E-03	8.7E-06	1.6E-01	1.4E-02	1.9E-08
650	0.02	1.6E-08	9.4E+00	7.5E-04	1.0E-03	7.4E-06	1.6E-01	1.4E-02	1.6E-08
651	0.00	4.7E-09	2.8E+00	7.5E-04	1.0E-03	2.2E-06	1.6E-01	1.4E-02	4.7E-09
652	0.01	5.4E-09	3.2E+00	7.5E-04	1.0E-03	2.5E-06	1.6E-01	1.4E-02	5.4E-09
653	0.01	6.2E-09	3.7E+00	7.5E-04	1.0E-03	2.9E-06	1.6E-01	1.4E-02	6.2E-09
654	0.01	7.2E-09	4.3E+00	7.5E-04	1.0E-03	3.4E-06	1.6E-01	1.4E-02	7.2E-09
655	0.01	8.5E-09	5.1E+00	7.5E-04	1.0E-03	4.0E-06	1.6E-01	1.4E-02	8.5E-09
656	0.01	1.0E-08	6.0E+00	7.5E-04	1.0E-03	4.7E-06	1.6E-01	1.4E-02	1.0E-08
657	0.01	1.2E-08	7.3E+00	7.5E-04	1.0E-03	5.7E-06	1.6E-01	1.4E-02	1.2E-08
658	0.02	1.5E-08	9.1E+00	7.5E-04	1.0E-03	7.1E-06	1.6E-01	1.4E-02	1.5E-08
659	0.02	1.9E-08	1.2E+01	7.5E-04	1.0E-03	9.0E-06	1.6E-01	1.4E-02	1.9E-08
660	0.03	2.5E-08	1.5E+01	7.5E-04	1.0E-03	1.2E-05	1.6E-01	1.4E-02	2.5E-08
661	0.03	3.3E-08	1.9E+01	7.5E-04	1.0E-03	1.5E-05	1.6E-01	1.4E-02	3.3E-08
662	0.04	4.1E-08	2.4E+01	7.5E-04	1.0E-03	1.9E-05	1.6E-01	1.4E-02	4.1E-08
663	0.05	4.9E-08	2.9E+01	7.5E-04	1.0E-03	2.3E-05	1.6E-01	1.4E-02	4.9E-08
664	0.05	5.4E-08	3.2E+01	7.5E-04	1.0E-03	2.5E-05	1.6E-01	1.4E-02	5.4E-08
665	0.06	5.8E-08	3.4E+01	7.5E-04	1.0E-03	2.7E-05	1.6E-01	1.4E-02	5.8E-08
666	0.06	5.9E-08	3.5E+01	7.5E-04	1.0E-03	2.7E-05	1.6E-01	1.4E-02	5.9E-08
667	0.06	5.7E-08	3.4E+01	7.5E-04	1.0E-03	2.7E-05	1.6E-01	1.4E-02	5.7E-08
668	0.05	5.4E-08	3.2E+01	7.5E-04	1.0E-03	2.5E-05	1.6E-01	1.4E-02	5.4E-08
669	0.05	4.8E-08	2.9E+01	7.5E-04	1.0E-03	2.2E-05	1.6E-01	1.4E-02	4.8E-08
670	0.04	4.0E-08	2.4E+01	7.5E-04	1.0E-03	1.9E-05	1.6E-01	1.4E-02	4.0E-08
671	0.03	3.3E-08	2.0E+01	7.5E-04	1.0E-03	1.5E-05	1.6E-01	1.4E-02	3.3E-08
672	0.03	2.8E-08	1.6E+01	7.5E-04	1.0E-03	1.3E-05	1.6E-01	1.4E-02	2.8E-08
673	0.02	2.3E-08	1.4E+01	7.5E-04	1.0E-03	1.1E-05	1.6E-01	1.4E-02	2.3E-08
674	0.02	2.0E-08	1.2E+01	7.5E-04	1.0E-03	9.1E-06	1.6E-01	1.4E-02	2.0E-08
675	0.02	1.7E-08	9.9E+00	7.5E-04	1.0E-03	7.8E-06	1.6E-01	1.4E-02	1.7E-08
676	0.01	1.4E-08	8.6E+00	7.5E-04	1.0E-03	6.7E-06	1.6E-01	1.4E-02	1.4E-08
677	0.00	4.5E-09	2.7E+00	7.5E-04	1.0E-03	2.1E-06	1.6E-01	1.4E-02	4.5E-09
678	0.01	5.1E-09	3.0E+00	7.5E-04	1.0E-03	2.4E-06	1.6E-01	1.4E-02	5.1E-09
679	0.01	5.8E-09	3.5E+00	7.5E-04	1.0E-03	2.7E-06	1.6E-01	1.4E-02	5.8E-09
680	0.01	6.7E-09	4.0E+00	7.5E-04	1.0E-03	3.1E-06	1.6E-01	1.4E-02	6.7E-09
681	0.01	7.9E-09	4.7E+00	7.5E-04	1.0E-03	3.6E-06	1.6E-01	1.4E-02	7.8E-09
682	0.01	9.3E-09	5.5E+00	7.5E-04	1.0E-03	4.3E-06	1.6E-01	1.4E-02	9.2E-09
683	0.01	1.1E-08	6.5E+00	7.5E-04	1.0E-03	5.1E-06	1.6E-01	1.4E-02	1.1E-08

684	0.01	1.3E-08	8.0E+00	7.5E-04	1.0E-03	6.2E-06	1.6E-01	1.4E-02	1.3E-08
685	0.02	1.7E-08	9.8E+00	7.5E-04	1.0E-03	7.7E-06	1.6E-01	1.4E-02	1.7E-08
686	0.02	2.0E-08	1.2E+01	7.5E-04	1.0E-03	9.5E-06	1.6E-01	1.4E-02	2.0E-08
687	0.03	2.5E-08	1.5E+01	7.5E-04	1.0E-03	1.2E-05	1.6E-01	1.4E-02	2.5E-08
688	0.03	3.0E-08	1.8E+01	7.5E-04	1.0E-03	1.4E-05	1.6E-01	1.4E-02	3.0E-08
689	0.03	3.5E-08	2.1E+01	7.5E-04	1.0E-03	1.6E-05	1.6E-01	1.4E-02	3.5E-08
690	0.04	3.8E-08	2.3E+01	7.5E-04	1.0E-03	1.8E-05	1.6E-01	1.4E-02	3.8E-08
691	0.04	4.1E-08	2.4E+01	7.5E-04	1.0E-03	1.9E-05	1.6E-01	1.4E-02	4.1E-08
692	0.04	4.1E-08	2.5E+01	7.5E-04	1.0E-03	1.9E-05	1.6E-01	1.4E-02	4.1E-08
693	0.04	4.1E-08	2.4E+01	7.5E-04	1.0E-03	1.9E-05	1.6E-01	1.4E-02	4.1E-08
694	0.04	3.9E-08	2.3E+01	7.5E-04	1.0E-03	1.8E-05	1.6E-01	1.4E-02	3.9E-08
695	0.04	3.5E-08	2.1E+01	7.5E-04	1.0E-03	1.6E-05	1.6E-01	1.4E-02	3.5E-08
696	0.03	3.1E-08	1.9E+01	7.5E-04	1.0E-03	1.4E-05	1.6E-01	1.4E-02	3.1E-08
697	0.03	2.7E-08	1.6E+01	7.5E-04	1.0E-03	1.2E-05	1.6E-01	1.4E-02	2.7E-08
698	0.02	2.3E-08	1.4E+01	7.5E-04	1.0E-03	1.1E-05	1.6E-01	1.4E-02	2.3E-08
699	0.02	2.0E-08	1.2E+01	7.5E-04	1.0E-03	9.2E-06	1.6E-01	1.4E-02	2.0E-08
700	0.02	1.7E-08	1.0E+01	7.5E-04	1.0E-03	8.0E-06	1.6E-01	1.4E-02	1.7E-08
701	0.01	1.5E-08	8.9E+00	7.5E-04	1.0E-03	6.9E-06	1.6E-01	1.4E-02	1.5E-08
702	0.01	1.3E-08	7.8E+00	7.5E-04	1.0E-03	6.1E-06	1.6E-01	1.4E-02	1.3E-08
703	0.00	4.3E-09	2.5E+00	7.5E-04	1.0E-03	2.0E-06	1.6E-01	1.4E-02	4.2E-09
704	0.00	4.8E-09	2.9E+00	7.5E-04	1.0E-03	2.2E-06	1.6E-01	1.4E-02	4.8E-09
705	0.01	5.5E-09	3.2E+00	7.5E-04	1.0E-03	2.5E-06	1.6E-01	1.4E-02	5.4E-09
706	0.01	6.2E-09	3.7E+00	7.5E-04	1.0E-03	2.9E-06	1.6E-01	1.4E-02	6.2E-09
707	0.01	7.2E-09	4.3E+00	7.5E-04	1.0E-03	3.3E-06	1.6E-01	1.4E-02	7.2E-09
708	0.01	8.4E-09	5.0E+00	7.5E-04	1.0E-03	3.9E-06	1.6E-01	1.4E-02	8.4E-09
709	0.01	9.9E-09	5.9E+00	7.5E-04	1.0E-03	4.6E-06	1.6E-01	1.4E-02	9.9E-09
710	0.01	1.2E-08	7.1E+00	7.5E-04	1.0E-03	5.5E-06	1.6E-01	1.4E-02	1.2E-08
711	0.01	1.4E-08	8.4E+00	7.5E-04	1.0E-03	6.6E-06	1.6E-01	1.4E-02	1.4E-08
712	0.02	1.7E-08	1.0E+01	7.5E-04	1.0E-03	7.9E-06	1.6E-01	1.4E-02	1.7E-08
713	0.02	2.0E-08	1.2E+01	7.5E-04	1.0E-03	9.3E-06	1.6E-01	1.4E-02	2.0E-08
714	0.02	2.3E-08	1.4E+01	7.5E-04	1.0E-03	1.1E-05	1.6E-01	1.4E-02	2.3E-08
715	0.03	2.6E-08	1.6E+01	7.5E-04	1.0E-03	1.2E-05	1.6E-01	1.4E-02	2.6E-08
716	0.03	2.9E-08	1.7E+01	7.5E-04	1.0E-03	1.3E-05	1.6E-01	1.4E-02	2.9E-08
717	0.03	3.0E-08	1.8E+01	7.5E-04	1.0E-03	1.4E-05	1.6E-01	1.4E-02	3.0E-08
718	0.03	3.1E-08	1.8E+01	7.5E-04	1.0E-03	1.4E-05	1.6E-01	1.4E-02	3.1E-08
719	0.03	3.0E-08	1.8E+01	7.5E-04	1.0E-03	1.4E-05	1.6E-01	1.4E-02	3.0E-08
720	0.03	2.9E-08	1.7E+01	7.5E-04	1.0E-03	1.4E-05	1.6E-01	1.4E-02	2.9E-08
721	0.03	2.7E-08	1.6E+01	7.5E-04	1.0E-03	1.3E-05	1.6E-01	1.4E-02	2.7E-08
722	0.02	2.5E-08	1.5E+01	7.5E-04	1.0E-03	1.2E-05	1.6E-01	1.4E-02	2.5E-08
723	0.02	2.2E-08	1.3E+01	7.5E-04	1.0E-03	1.0E-05	1.6E-01	1.4E-02	2.2E-08
724	0.02	2.0E-08	1.2E+01	7.5E-04	1.0E-03	9.1E-06	1.6E-01	1.4E-02	2.0E-08
725	0.02	1.7E-08	1.0E+01	7.5E-04	1.0E-03	8.0E-06	1.6E-01	1.4E-02	1.7E-08
726	0.02	1.5E-08	9.0E+00	7.5E-04	1.0E-03	7.0E-06	1.6E-01	1.4E-02	1.5E-08
727	0.01	1.3E-08	7.9E+00	7.5E-04	1.0E-03	6.2E-06	1.6E-01	1.4E-02	1.3E-08
728	0.01	1.2E-08	7.0E+00	7.5E-04	1.0E-03	5.5E-06	1.6E-01	1.4E-02	1.2E-08
729	0.00	4.0E-09	2.4E+00	7.5E-04	1.0E-03	1.9E-06	1.6E-01	1.4E-02	4.0E-09

730	0.00	4.5E-09	2.7E+00	7.5E-04	1.0E-03	2.1E-06	1.6E-01	1.4E-02	4.5E-09
731	0.01	5.1E-09	3.0E+00	7.5E-04	1.0E-03	2.4E-06	1.6E-01	1.4E-02	5.1E-09
732	0.01	5.8E-09	3.5E+00	7.5E-04	1.0E-03	2.7E-06	1.6E-01	1.4E-02	5.8E-09
733	0.01	6.6E-09	3.9E+00	7.5E-04	1.0E-03	3.1E-06	1.6E-01	1.4E-02	6.6E-09
734	0.01	7.7E-09	4.6E+00	7.5E-04	1.0E-03	3.6E-06	1.6E-01	1.4E-02	7.7E-09
735	0.01	8.9E-09	5.3E+00	7.5E-04	1.0E-03	4.1E-06	1.6E-01	1.4E-02	8.9E-09
736	0.01	1.0E-08	6.2E+00	7.5E-04	1.0E-03	4.9E-06	1.6E-01	1.4E-02	1.0E-08
737	0.01	1.2E-08	7.2E+00	7.5E-04	1.0E-03	5.6E-06	1.6E-01	1.4E-02	1.2E-08
738	0.01	1.4E-08	8.4E+00	7.5E-04	1.0E-03	6.6E-06	1.6E-01	1.4E-02	1.4E-08
739	0.02	1.6E-08	9.6E+00	7.5E-04	1.0E-03	7.5E-06	1.6E-01	1.4E-02	1.6E-08
740	0.02	1.9E-08	1.1E+01	7.5E-04	1.0E-03	8.6E-06	1.6E-01	1.4E-02	1.8E-08
741	0.02	2.1E-08	1.2E+01	7.5E-04	1.0E-03	9.5E-06	1.6E-01	1.4E-02	2.1E-08
742	0.02	2.2E-08	1.3E+01	7.5E-04	1.0E-03	1.0E-05	1.6E-01	1.4E-02	2.2E-08
743	0.02	2.3E-08	1.4E+01	7.5E-04	1.0E-03	1.1E-05	1.6E-01	1.4E-02	2.3E-08
744	0.02	2.4E-08	1.4E+01	7.5E-04	1.0E-03	1.1E-05	1.6E-01	1.4E-02	2.4E-08
745	0.02	2.4E-08	1.4E+01	7.5E-04	1.0E-03	1.1E-05	1.6E-01	1.4E-02	2.4E-08
746	0.02	2.3E-08	1.4E+01	7.5E-04	1.0E-03	1.1E-05	1.6E-01	1.4E-02	2.3E-08
747	0.02	2.2E-08	1.3E+01	7.5E-04	1.0E-03	1.0E-05	1.6E-01	1.4E-02	2.2E-08
748	0.02	2.0E-08	1.2E+01	7.5E-04	1.0E-03	9.4E-06	1.6E-01	1.4E-02	2.0E-08
749	0.02	1.8E-08	1.1E+01	7.5E-04	1.0E-03	8.6E-06	1.6E-01	1.4E-02	1.8E-08
750	0.02	1.7E-08	9.9E+00	7.5E-04	1.0E-03	7.7E-06	1.6E-01	1.4E-02	1.7E-08
751	0.01	1.5E-08	8.9E+00	7.5E-04	1.0E-03	6.9E-06	1.6E-01	1.4E-02	1.5E-08
752	0.01	1.3E-08	7.9E+00	7.5E-04	1.0E-03	6.2E-06	1.6E-01	1.4E-02	1.3E-08
753	0.01	1.2E-08	7.1E+00	7.5E-04	1.0E-03	5.6E-06	1.6E-01	1.4E-02	1.2E-08
754	0.01	1.1E-08	6.4E+00	7.5E-04	1.0E-03	5.0E-06	1.6E-01	1.4E-02	1.1E-08
755	0.00	3.8E-09	2.3E+00	7.5E-04	1.0E-03	1.8E-06	1.6E-01	1.4E-02	3.8E-09
756	0.00	4.3E-09	2.5E+00	7.5E-04	1.0E-03	2.0E-06	1.6E-01	1.4E-02	4.2E-09
757	0.00	4.8E-09	2.8E+00	7.5E-04	1.0E-03	2.2E-06	1.6E-01	1.4E-02	4.8E-09
758	0.01	5.4E-09	3.2E+00	7.5E-04	1.0E-03	2.5E-06	1.6E-01	1.4E-02	5.4E-09
759	0.01	6.1E-09	3.6E+00	7.5E-04	1.0E-03	2.8E-06	1.6E-01	1.4E-02	6.1E-09
760	0.01	7.0E-09	4.1E+00	7.5E-04	1.0E-03	3.2E-06	1.6E-01	1.4E-02	7.0E-09
761	0.01	8.0E-09	4.7E+00	7.5E-04	1.0E-03	3.7E-06	1.6E-01	1.4E-02	8.0E-09
762	0.01	9.2E-09	5.5E+00	7.5E-04	1.0E-03	4.3E-06	1.6E-01	1.4E-02	9.2E-09
763	0.01	1.1E-08	6.2E+00	7.5E-04	1.0E-03	4.9E-06	1.6E-01	1.4E-02	1.0E-08
764	0.01	1.2E-08	7.1E+00	7.5E-04	1.0E-03	5.6E-06	1.6E-01	1.4E-02	1.2E-08
765	0.01	1.3E-08	8.0E+00	7.5E-04	1.0E-03	6.3E-06	1.6E-01	1.4E-02	1.3E-08
766	0.02	1.5E-08	8.9E+00	7.5E-04	1.0E-03	7.0E-06	1.6E-01	1.4E-02	1.5E-08
767	0.02	1.7E-08	9.8E+00	7.5E-04	1.0E-03	7.7E-06	1.6E-01	1.4E-02	1.7E-08
768	0.02	1.8E-08	1.0E+01	7.5E-04	1.0E-03	8.2E-06	1.6E-01	1.4E-02	1.8E-08
769	0.02	1.9E-08	1.1E+01	7.5E-04	1.0E-03	8.6E-06	1.6E-01	1.4E-02	1.9E-08
770	0.02	1.9E-08	1.1E+01	7.5E-04	1.0E-03	8.9E-06	1.6E-01	1.4E-02	1.9E-08
771	0.02	1.9E-08	1.1E+01	7.5E-04	1.0E-03	8.9E-06	1.6E-01	1.4E-02	1.9E-08
772	0.02	1.9E-08	1.1E+01	7.5E-04	1.0E-03	8.8E-06	1.6E-01	1.4E-02	1.9E-08
773	0.02	1.8E-08	1.1E+01	7.5E-04	1.0E-03	8.4E-06	1.6E-01	1.4E-02	1.8E-08
774	0.02	1.7E-08	1.0E+01	7.5E-04	1.0E-03	7.9E-06	1.6E-01	1.4E-02	1.7E-08
775	0.02	1.6E-08	9.3E+00	7.5E-04	1.0E-03	7.3E-06	1.6E-01	1.4E-02	1.6E-08

776	0.01	1.4E-08	8.5E+00	7.5E-04	1.0E-03	6.7E-06	1.6E-01	1.4E-02	1.4E-08
777	0.01	1.3E-08	7.8E+00	7.5E-04	1.0E-03	6.1E-06	1.6E-01	1.4E-02	1.3E-08
778	0.01	1.2E-08	7.1E+00	7.5E-04	1.0E-03	5.5E-06	1.6E-01	1.4E-02	1.2E-08
779	0.01	1.1E-08	6.4E+00	7.5E-04	1.0E-03	5.0E-06	1.6E-01	1.4E-02	1.1E-08
780	0.01	9.8E-09	5.8E+00	7.5E-04	1.0E-03	4.5E-06	1.6E-01	1.4E-02	9.8E-09
781	0.00	3.6E-09	2.1E+00	7.5E-04	1.0E-03	1.7E-06	1.6E-01	1.4E-02	3.6E-09
782	0.00	4.0E-09	2.4E+00	7.5E-04	1.0E-03	1.9E-06	1.6E-01	1.4E-02	4.0E-09
783	0.00	4.5E-09	2.6E+00	7.5E-04	1.0E-03	2.1E-06	1.6E-01	1.4E-02	4.4E-09
784	0.00	5.0E-09	3.0E+00	7.5E-04	1.0E-03	2.3E-06	1.6E-01	1.4E-02	5.0E-09
785	0.01	5.6E-09	3.3E+00	7.5E-04	1.0E-03	2.6E-06	1.6E-01	1.4E-02	5.6E-09
786	0.01	6.3E-09	3.8E+00	7.5E-04	1.0E-03	2.9E-06	1.6E-01	1.4E-02	6.3E-09
787	0.01	7.2E-09	4.3E+00	7.5E-04	1.0E-03	3.3E-06	1.6E-01	1.4E-02	7.2E-09
788	0.01	8.2E-09	4.8E+00	7.5E-04	1.0E-03	3.8E-06	1.6E-01	1.4E-02	8.1E-09
789	0.01	9.2E-09	5.4E+00	7.5E-04	1.0E-03	4.3E-06	1.6E-01	1.4E-02	9.2E-09
790	0.01	1.0E-08	6.1E+00	7.5E-04	1.0E-03	4.8E-06	1.6E-01	1.4E-02	1.0E-08
791	0.01	1.1E-08	6.8E+00	7.5E-04	1.0E-03	5.3E-06	1.6E-01	1.4E-02	1.1E-08
792	0.01	1.3E-08	7.5E+00	7.5E-04	1.0E-03	5.8E-06	1.6E-01	1.4E-02	1.3E-08
793	0.01	1.4E-08	8.1E+00	7.5E-04	1.0E-03	6.3E-06	1.6E-01	1.4E-02	1.4E-08
794	0.01	1.5E-08	8.6E+00	7.5E-04	1.0E-03	6.7E-06	1.6E-01	1.4E-02	1.4E-08
795	0.02	1.5E-08	9.0E+00	7.5E-04	1.0E-03	7.1E-06	1.6E-01	1.4E-02	1.5E-08
796	0.02	1.6E-08	9.3E+00	7.5E-04	1.0E-03	7.3E-06	1.6E-01	1.4E-02	1.6E-08
797	0.02	1.6E-08	9.4E+00	7.5E-04	1.0E-03	7.4E-06	1.6E-01	1.4E-02	1.6E-08
798	0.02	1.6E-08	9.3E+00	7.5E-04	1.0E-03	7.3E-06	1.6E-01	1.4E-02	1.6E-08
799	0.02	1.5E-08	9.0E+00	7.5E-04	1.0E-03	7.1E-06	1.6E-01	1.4E-02	1.5E-08
800	0.01	1.4E-08	8.5E+00	7.5E-04	1.0E-03	6.6E-06	1.6E-01	1.4E-02	1.4E-08
801	0.01	1.3E-08	8.0E+00	7.5E-04	1.0E-03	6.2E-06	1.6E-01	1.4E-02	1.3E-08
802	0.01	1.3E-08	7.4E+00	7.5E-04	1.0E-03	5.8E-06	1.6E-01	1.4E-02	1.3E-08
803	0.01	1.2E-08	6.9E+00	7.5E-04	1.0E-03	5.4E-06	1.6E-01	1.4E-02	1.2E-08
804	0.01	1.1E-08	6.3E+00	7.5E-04	1.0E-03	4.9E-06	1.6E-01	1.4E-02	1.1E-08
805	0.01	9.8E-09	5.8E+00	7.5E-04	1.0E-03	4.5E-06	1.6E-01	1.4E-02	9.7E-09
806	0.01	8.9E-09	5.3E+00	7.5E-04	1.0E-03	4.1E-06	1.6E-01	1.4E-02	8.9E-09

Franklin School Project

Risk From New Building Demo (Port. 1,3,4) - Mitigated Residential

Haul Route 1A							Haul Route 2A						
Conc	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
3.2E-01	1.9E-07	1.0E-03	6.4E-11	1.6E-01	1.4E-02	1.4E-13	3.4E-01	6.0E-07	1.0E-03	2.1E-10	1.6E-01	1.4E-02	4.6E-13
3.6E-01	1.9E-07	1.0E-03	7.2E-11	1.6E-01	1.4E-02	1.6E-13	3.9E-01	6.0E-07	1.0E-03	2.4E-10	1.6E-01	1.4E-02	5.3E-13
4.1E-01	1.9E-07	1.0E-03	8.2E-11	1.6E-01	1.4E-02	1.8E-13	4.5E-01	6.0E-07	1.0E-03	2.8E-10	1.6E-01	1.4E-02	6.1E-13
4.6E-01	1.9E-07	1.0E-03	9.2E-11	1.6E-01	1.4E-02	2.0E-13	5.2E-01	6.0E-07	1.0E-03	3.2E-10	1.6E-01	1.4E-02	7.0E-13
5.1E-01	1.9E-07	1.0E-03	1.0E-10	1.6E-01	1.4E-02	2.2E-13	5.8E-01	6.0E-07	1.0E-03	3.7E-10	1.6E-01	1.4E-02	7.9E-13
5.5E-01	1.9E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.4E-13	6.5E-01	6.0E-07	1.0E-03	4.1E-10	1.6E-01	1.4E-02	8.7E-13
6.0E-01	1.9E-07	1.0E-03	1.2E-10	1.6E-01	1.4E-02	2.5E-13	7.1E-01	6.0E-07	1.0E-03	4.4E-10	1.6E-01	1.4E-02	9.5E-13
6.4E-01	1.9E-07	1.0E-03	1.3E-10	1.6E-01	1.4E-02	2.7E-13	7.7E-01	6.0E-07	1.0E-03	4.8E-10	1.6E-01	1.4E-02	1.0E-12
6.9E-01	1.9E-07	1.0E-03	1.4E-10	1.6E-01	1.4E-02	3.0E-13	8.4E-01	6.0E-07	1.0E-03	5.3E-10	1.6E-01	1.4E-02	1.1E-12
7.5E-01	1.9E-07	1.0E-03	1.5E-10	1.6E-01	1.4E-02	3.2E-13	9.2E-01	6.0E-07	1.0E-03	5.8E-10	1.6E-01	1.4E-02	1.2E-12
8.0E-01	1.9E-07	1.0E-03	1.6E-10	1.6E-01	1.4E-02	3.4E-13	9.9E-01	6.0E-07	1.0E-03	6.2E-10	1.6E-01	1.4E-02	1.3E-12
8.4E-01	1.9E-07	1.0E-03	1.7E-10	1.6E-01	1.4E-02	3.6E-13	1.0E+00	6.0E-07	1.0E-03	6.5E-10	1.6E-01	1.4E-02	1.4E-12
8.5E-01	1.9E-07	1.0E-03	1.7E-10	1.6E-01	1.4E-02	3.6E-13	1.0E+00	6.0E-07	1.0E-03	6.5E-10	1.6E-01	1.4E-02	1.4E-12
8.3E-01	1.9E-07	1.0E-03	1.7E-10	1.6E-01	1.4E-02	3.6E-13	1.0E+00	6.0E-07	1.0E-03	6.3E-10	1.6E-01	1.4E-02	1.4E-12
7.9E-01	1.9E-07	1.0E-03	1.6E-10	1.6E-01	1.4E-02	3.4E-13	9.5E-01	6.0E-07	1.0E-03	6.0E-10	1.6E-01	1.4E-02	1.3E-12
7.4E-01	1.9E-07	1.0E-03	1.5E-10	1.6E-01	1.4E-02	3.2E-13	8.8E-01	6.0E-07	1.0E-03	5.5E-10	1.6E-01	1.4E-02	1.2E-12
3.8E-01	1.9E-07	1.0E-03	7.5E-11	1.6E-01	1.4E-02	1.6E-13	3.9E-01	6.0E-07	1.0E-03	2.5E-10	1.6E-01	1.4E-02	5.3E-13
4.4E-01	1.9E-07	1.0E-03	8.7E-11	1.6E-01	1.4E-02	1.9E-13	4.7E-01	6.0E-07	1.0E-03	2.9E-10	1.6E-01	1.4E-02	6.3E-13
5.1E-01	1.9E-07	1.0E-03	1.0E-10	1.6E-01	1.4E-02	2.2E-13	5.5E-01	6.0E-07	1.0E-03	3.5E-10	1.6E-01	1.4E-02	7.5E-13
5.8E-01	1.9E-07	1.0E-03	1.2E-10	1.6E-01	1.4E-02	2.5E-13	6.5E-01	6.0E-07	1.0E-03	4.1E-10	1.6E-01	1.4E-02	8.8E-13
6.6E-01	1.9E-07	1.0E-03	1.3E-10	1.6E-01	1.4E-02	2.8E-13	7.6E-01	6.0E-07	1.0E-03	4.8E-10	1.6E-01	1.4E-02	1.0E-12
7.3E-01	1.9E-07	1.0E-03	1.4E-10	1.6E-01	1.4E-02	3.1E-13	8.7E-01	6.0E-07	1.0E-03	5.5E-10	1.6E-01	1.4E-02	1.2E-12
8.0E-01	1.9E-07	1.0E-03	1.6E-10	1.6E-01	1.4E-02	3.4E-13	9.7E-01	6.0E-07	1.0E-03	6.1E-10	1.6E-01	1.4E-02	1.3E-12
8.7E-01	1.9E-07	1.0E-03	1.7E-10	1.6E-01	1.4E-02	3.7E-13	1.1E+00	6.0E-07	1.0E-03	6.8E-10	1.6E-01	1.4E-02	1.5E-12
9.6E-01	1.9E-07	1.0E-03	1.9E-10	1.6E-01	1.4E-02	4.1E-13	1.2E+00	6.0E-07	1.0E-03	7.6E-10	1.6E-01	1.4E-02	1.6E-12
1.1E+00	1.9E-07	1.0E-03	2.1E-10	1.6E-01	1.4E-02	4.5E-13	1.3E+00	6.0E-07	1.0E-03	8.4E-10	1.6E-01	1.4E-02	1.8E-12
1.1E+00	1.9E-07	1.0E-03	2.2E-10	1.6E-01	1.4E-02	4.8E-13	1.4E+00	6.0E-07	1.0E-03	8.9E-10	1.6E-01	1.4E-02	1.9E-12
1.1E+00	1.9E-07	1.0E-03	2.2E-10	1.6E-01	1.4E-02	4.8E-13	1.4E+00	6.0E-07	1.0E-03	9.0E-10	1.6E-01	1.4E-02	1.9E-12
1.1E+00	1.9E-07	1.0E-03	2.2E-10	1.6E-01	1.4E-02	4.7E-13	1.4E+00	6.0E-07	1.0E-03	8.7E-10	1.6E-01	1.4E-02	1.9E-12
1.0E+00	1.9E-07	1.0E-03	2.1E-10	1.6E-01	1.4E-02	4.5E-13	1.3E+00	6.0E-07	1.0E-03	8.0E-10	1.6E-01	1.4E-02	1.7E-12
9.6E-01	1.9E-07	1.0E-03	1.9E-10	1.6E-01	1.4E-02	4.1E-13	1.2E+00	6.0E-07	1.0E-03	7.2E-10	1.6E-01	1.4E-02	1.6E-12
8.7E-01	1.9E-07	1.0E-03	1.7E-10	1.6E-01	1.4E-02	3.7E-13	1.0E+00	6.0E-07	1.0E-03	6.4E-10	1.6E-01	1.4E-02	1.4E-12
4.4E-01	1.9E-07	1.0E-03	8.8E-11	1.6E-01	1.4E-02	1.9E-13	4.5E-01	6.0E-07	1.0E-03	2.9E-10	1.6E-01	1.4E-02	6.1E-13
5.3E-01	1.9E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.3E-13	5.6E-01	6.0E-07	1.0E-03	3.5E-10	1.6E-01	1.4E-02	7.5E-13
6.3E-01	1.9E-07	1.0E-03	1.3E-10	1.6E-01	1.4E-02	2.7E-13	6.9E-01	6.0E-07	1.0E-03	4.3E-10	1.6E-01	1.4E-02	9.3E-13
7.6E-01	1.9E-07	1.0E-03	1.5E-10	1.6E-01	1.4E-02	3.2E-13	8.5E-01	6.0E-07	1.0E-03	5.3E-10	1.6E-01	1.4E-02	1.1E-12
8.9E-01	1.9E-07	1.0E-03	1.8E-10	1.6E-01	1.4E-02	3.8E-13	1.0E+00	6.0E-07	1.0E-03	6.5E-10	1.6E-01	1.4E-02	1.4E-12
1.0E+00	1.9E-07	1.0E-03	2.0E-10	1.6E-01	1.4E-02	4.3E-13	1.2E+00	6.0E-07	1.0E-03	7.8E-10	1.6E-01	1.4E-02	1.7E-12
1.1E+00	1.9E-07	1.0E-03	2.3E-10	1.6E-01	1.4E-02	4.8E-13	1.4E+00	6.0E-07	1.0E-03	9.0E-10	1.6E-01	1.4E-02	1.9E-12

1.3E+00	1.9E-07	1.0E-03	2.5E-10	1.6E-01	1.4E-02	5.4E-13	1.6E+00	6.0E-07	1.0E-03	1.0E-09	1.6E-01	1.4E-02	2.2E-12
1.4E+00	1.9E-07	1.0E-03	2.8E-10	1.6E-01	1.4E-02	6.1E-13	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.5E-12
1.5E+00	1.9E-07	1.0E-03	3.1E-10	1.6E-01	1.4E-02	6.6E-13	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.8E-12
1.6E+00	1.9E-07	1.0E-03	3.1E-10	1.6E-01	1.4E-02	6.8E-13	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.8E-12
1.5E+00	1.9E-07	1.0E-03	3.1E-10	1.6E-01	1.4E-02	6.6E-13	2.0E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.7E-12
1.4E+00	1.9E-07	1.0E-03	2.8E-10	1.6E-01	1.4E-02	6.1E-13	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.4E-12
1.3E+00	1.9E-07	1.0E-03	2.5E-10	1.6E-01	1.4E-02	5.5E-13	1.6E+00	6.0E-07	1.0E-03	9.9E-10	1.6E-01	1.4E-02	2.1E-12
1.1E+00	1.9E-07	1.0E-03	2.2E-10	1.6E-01	1.4E-02	4.8E-13	1.3E+00	6.0E-07	1.0E-03	8.4E-10	1.6E-01	1.4E-02	1.8E-12
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6.4E-01	1.9E-07	1.0E-03	1.3E-10	1.6E-01	1.4E-02	2.7E-13	6.6E-01	6.0E-07	1.0E-03	4.2E-10	1.6E-01	1.4E-02	8.9E-13
8.1E-01	1.9E-07	1.0E-03	1.6E-10	1.6E-01	1.4E-02	3.5E-13	8.6E-01	6.0E-07	1.0E-03	5.4E-10	1.6E-01	1.4E-02	1.2E-12
1.0E+00	1.9E-07	1.0E-03	2.0E-10	1.6E-01	1.4E-02	4.3E-13	1.1E+00	6.0E-07	1.0E-03	7.1E-10	1.6E-01	1.4E-02	1.5E-12
1.3E+00	1.9E-07	1.0E-03	2.5E-10	1.6E-01	1.4E-02	5.4E-13	1.5E+00	6.0E-07	1.0E-03	9.3E-10	1.6E-01	1.4E-02	2.0E-12
1.5E+00	1.9E-07	1.0E-03	3.0E-10	1.6E-01	1.4E-02	6.4E-13	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.6E-12
1.7E+00	1.9E-07	1.0E-03	3.5E-10	1.6E-01	1.4E-02	7.5E-13	2.3E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.2E-12
2.0E+00	1.9E-07	1.0E-03	4.0E-10	1.6E-01	1.4E-02	8.6E-13	2.8E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	1.4E-02	3.8E-12
2.3E+00	1.9E-07	1.0E-03	4.5E-10	1.6E-01	1.4E-02	9.7E-13	3.2E+00	6.0E-07	1.0E-03	2.0E-09	1.6E-01	1.4E-02	4.3E-12
2.4E+00	1.9E-07	1.0E-03	4.7E-10	1.6E-01	1.4E-02	1.0E-12	3.4E+00	6.0E-07	1.0E-03	2.1E-09	1.6E-01	1.4E-02	4.5E-12
2.3E+00	1.9E-07	1.0E-03	4.5E-10	1.6E-01	1.4E-02	9.7E-13	3.1E+00	6.0E-07	1.0E-03	2.0E-09	1.6E-01	1.4E-02	4.2E-12
2.1E+00	1.9E-07	1.0E-03	4.1E-10	1.6E-01	1.4E-02	8.8E-13	2.7E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	1.4E-02	3.7E-12
1.8E+00	1.9E-07	1.0E-03	3.5E-10	1.6E-01	1.4E-02	7.6E-13	2.3E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	1.4E-02	3.0E-12
1.5E+00	1.9E-07	1.0E-03	3.0E-10	1.6E-01	1.4E-02	6.5E-13	1.8E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.5E-12
1.3E+00	1.9E-07	1.0E-03	2.5E-10	1.6E-01	1.4E-02	5.4E-13	1.5E+00	6.0E-07	1.0E-03	9.4E-10	1.6E-01	1.4E-02	2.0E-12
1.1E+00	1.9E-07	1.0E-03	2.1E-10	1.6E-01	1.4E-02	4.6E-13	1.2E+00	6.0E-07	1.0E-03	7.6E-10	1.6E-01	1.4E-02	1.6E-12
6.0E-01	1.9E-07	1.0E-03	1.2E-10	1.6E-01	1.4E-02	2.6E-13	5.9E-01	6.0E-07	1.0E-03	3.7E-10	1.6E-01	1.4E-02	8.0E-13
7.8E-01	1.9E-07	1.0E-03	1.5E-10	1.6E-01	1.4E-02	3.3E-13	7.8E-01	6.0E-07	1.0E-03	4.9E-10	1.6E-01	1.4E-02	1.0E-12
1.0E+00	1.9E-07	1.0E-03	2.1E-10	1.6E-01	1.4E-02	4.4E-13	1.1E+00	6.0E-07	1.0E-03	6.7E-10	1.6E-01	1.4E-02	1.4E-12
1.4E+00	1.9E-07	1.0E-03	2.8E-10	1.6E-01	1.4E-02	6.0E-13	1.5E+00	6.0E-07	1.0E-03	9.6E-10	1.6E-01	1.4E-02	2.1E-12
1.9E+00	1.9E-07	1.0E-03	3.8E-10	1.6E-01	1.4E-02	8.1E-13	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	1.4E-02	3.0E-12
2.5E+00	1.9E-07	1.0E-03	4.9E-10	1.6E-01	1.4E-02	1.1E-12	3.3E+00	6.0E-07	1.0E-03	2.1E-09	1.6E-01	1.4E-02	4.4E-12
3.0E+00	1.9E-07	1.0E-03	6.1E-10	1.6E-01	1.4E-02	1.3E-12	4.5E+00	6.0E-07	1.0E-03	2.8E-09	1.6E-01	1.4E-02	6.0E-12
3.6E+00	1.9E-07	1.0E-03	7.3E-10	1.6E-01	1.4E-02	1.6E-12	5.6E+00	6.0E-07	1.0E-03	3.5E-09	1.6E-01	1.4E-02	7.6E-12
3.9E+00	1.9E-07	1.0E-03	7.8E-10	1.6E-01	1.4E-02	1.7E-12	6.2E+00	6.0E-07	1.0E-03	3.9E-09	1.6E-01	1.4E-02	8.4E-12
3.7E+00	1.9E-07	1.0E-03	7.4E-10	1.6E-01	1.4E-02	1.6E-12	5.6E+00	6.0E-07	1.0E-03	3.5E-09	1.6E-01	1.4E-02	7.6E-12
3.2E+00	1.9E-07	1.0E-03	6.4E-10	1.6E-01	1.4E-02	1.4E-12	4.5E+00	6.0E-07	1.0E-03	2.8E-09	1.6E-01	1.4E-02	6.1E-12
2.6E+00	1.9E-07	1.0E-03	5.2E-10	1.6E-01	1.4E-02	1.1E-12	3.4E+00	6.0E-07	1.0E-03	2.2E-09	1.6E-01	1.4E-02	4.7E-12
2.1E+00	1.9E-07	1.0E-03	4.2E-10	1.6E-01	1.4E-02	9.0E-13	2.6E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	1.4E-02	3.5E-12
1.7E+00	1.9E-07	1.0E-03	3.4E-10	1.6E-01	1.4E-02	7.2E-13	2.0E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.7E-12
1.4E+00	1.9E-07	1.0E-03	2.7E-10	1.6E-01	1.4E-02	5.8E-13	1.5E+00	6.0E-07	1.0E-03	9.7E-10	1.6E-01	1.4E-02	2.1E-12
1.1E+00	1.9E-07	1.0E-03	2.2E-10	1.6E-01	1.4E-02	4.7E-13	1.2E+00	6.0E-07	1.0E-03	7.7E-10	1.6E-01	1.4E-02	1.6E-12
6.8E-01	1.9E-07	1.0E-03	1.4E-10	1.6E-01	1.4E-02	2.9E-13	6.5E-01	6.0E-07	1.0E-03	4.1E-10	1.6E-01	1.4E-02	8.7E-13
9.3E-01	1.9E-07	1.0E-03	1.8E-10	1.6E-01	1.4E-02	4.0E-13	8.8E-01	6.0E-07	1.0E-03	5.5E-10	1.6E-01	1.4E-02	1.2E-12
1.3E+00	1.9E-07	1.0E-03	2.6E-10	1.6E-01	1.4E-02	5.6E-13	1.3E+00	6.0E-07	1.0E-03	8.1E-10	1.6E-01	1.4E-02	1.7E-12
2.0E+00	1.9E-07	1.0E-03	3.9E-10	1.6E-01	1.4E-02	8.5E-13	2.0E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.7E-12
3.1E+00	1.9E-07	1.0E-03	6.1E-10	1.6E-01	1.4E-02	1.3E-12	3.5E+00	6.0E-07	1.0E-03	2.2E-09	1.6E-01	1.4E-02	4.7E-12

4.8E+00	1.9E-07	1.0E-03	9.5E-10	1.6E-01	1.4E-02	2.0E-12	6.5E+00	6.0E-07	1.0E-03	4.1E-09	1.6E-01	1.4E-02	8.7E-12
6.6E+00	1.9E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.8E-12	1.1E+01	6.0E-07	1.0E-03	7.1E-09	1.6E-01	1.4E-02	1.5E-11
7.9E+00	1.9E-07	1.0E-03	1.6E-09	1.6E-01	1.4E-02	3.4E-12	1.5E+01	6.0E-07	1.0E-03	9.4E-09	1.6E-01	1.4E-02	2.0E-11
7.2E+00	1.9E-07	1.0E-03	1.4E-09	1.6E-01	1.4E-02	3.1E-12	1.3E+01	6.0E-07	1.0E-03	8.1E-09	1.6E-01	1.4E-02	1.7E-11
5.6E+00	1.9E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.4E-12	8.7E+00	6.0E-07	1.0E-03	5.5E-09	1.6E-01	1.4E-02	1.2E-11
4.2E+00	1.9E-07	1.0E-03	8.3E-10	1.6E-01	1.4E-02	1.8E-12	5.7E+00	6.0E-07	1.0E-03	3.6E-09	1.6E-01	1.4E-02	7.7E-12
3.1E+00	1.9E-07	1.0E-03	6.1E-10	1.6E-01	1.4E-02	1.3E-12	3.9E+00	6.0E-07	1.0E-03	2.4E-09	1.6E-01	1.4E-02	5.2E-12
2.3E+00	1.9E-07	1.0E-03	4.6E-10	1.6E-01	1.4E-02	9.9E-13	2.7E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	1.4E-02	3.7E-12
1.8E+00	1.9E-07	1.0E-03	3.5E-10	1.6E-01	1.4E-02	7.5E-13	2.0E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.7E-12
1.4E+00	1.9E-07	1.0E-03	2.7E-10	1.6E-01	1.4E-02	5.8E-13	1.5E+00	6.0E-07	1.0E-03	9.4E-10	1.6E-01	1.4E-02	2.0E-12
1.1E+00	1.9E-07	1.0E-03	2.1E-10	1.6E-01	1.4E-02	4.6E-13	1.2E+00	6.0E-07	1.0E-03	7.2E-10	1.6E-01	1.4E-02	1.6E-12
7.5E-01	1.9E-07	1.0E-03	1.5E-10	1.6E-01	1.4E-02	3.2E-13	6.8E-01	6.0E-07	1.0E-03	4.3E-10	1.6E-01	1.4E-02	9.2E-13
1.1E+00	1.9E-07	1.0E-03	2.1E-10	1.6E-01	1.4E-02	4.5E-13	9.5E-01	6.0E-07	1.0E-03	5.9E-10	1.6E-01	1.4E-02	1.3E-12
1.6E+00	1.9E-07	1.0E-03	3.2E-10	1.6E-01	1.4E-02	6.9E-13	1.4E+00	6.0E-07	1.0E-03	9.1E-10	1.6E-01	1.4E-02	2.0E-12
2.7E+00	1.9E-07	1.0E-03	5.4E-10	1.6E-01	1.4E-02	1.2E-12	2.5E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.3E-12
5.2E+00	1.9E-07	1.0E-03	1.0E-09	1.6E-01	1.4E-02	2.2E-12	5.0E+00	6.0E-07	1.0E-03	3.1E-09	1.6E-01	1.4E-02	6.8E-12
1.2E+01	1.9E-07	1.0E-03	2.3E-09	1.6E-01	1.4E-02	5.0E-12	1.4E+01	6.0E-07	1.0E-03	8.9E-09	1.6E-01	1.4E-02	1.9E-11
2.3E+01	1.9E-07	1.0E-03	4.7E-09	1.6E-01	1.4E-02	1.0E-11	5.4E+01	6.0E-07	1.0E-03	3.4E-08	1.6E-01	1.4E-02	7.3E-11
2.0E+01	1.9E-07	1.0E-03	4.0E-09	1.6E-01	1.4E-02	8.6E-12	6.1E+01	6.0E-07	1.0E-03	3.8E-08	1.6E-01	1.4E-02	8.2E-11
1.2E+01	1.9E-07	1.0E-03	2.4E-09	1.6E-01	1.4E-02	5.2E-12	2.4E+01	6.0E-07	1.0E-03	1.5E-08	1.6E-01	1.4E-02	3.2E-11
7.4E+00	1.9E-07	1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.2E-12	1.1E+01	6.0E-07	1.0E-03	6.9E-09	1.6E-01	1.4E-02	1.5E-11
4.7E+00	1.9E-07	1.0E-03	9.4E-10	1.6E-01	1.4E-02	2.0E-12	6.0E+00	6.0E-07	1.0E-03	3.8E-09	1.6E-01	1.4E-02	8.1E-12
3.2E+00	1.9E-07	1.0E-03	6.4E-10	1.6E-01	1.4E-02	1.4E-12	3.8E+00	6.0E-07	1.0E-03	2.4E-09	1.6E-01	1.4E-02	5.1E-12
2.3E+00	1.9E-07	1.0E-03	4.5E-10	1.6E-01	1.4E-02	9.8E-13	2.5E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	1.4E-02	3.4E-12
1.7E+00	1.9E-07	1.0E-03	3.3E-10	1.6E-01	1.4E-02	7.2E-13	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.4E-12
1.3E+00	1.9E-07	1.0E-03	2.6E-10	1.6E-01	1.4E-02	5.5E-13	1.3E+00	6.0E-07	1.0E-03	8.4E-10	1.6E-01	1.4E-02	1.8E-12
1.0E+00	1.9E-07	1.0E-03	2.0E-10	1.6E-01	1.4E-02	4.3E-13	1.0E+00	6.0E-07	1.0E-03	6.5E-10	1.6E-01	1.4E-02	1.4E-12
7.9E-01	1.9E-07	1.0E-03	1.6E-10	1.6E-01	1.4E-02	3.4E-13	6.9E-01	6.0E-07	1.0E-03	4.3E-10	1.6E-01	1.4E-02	9.3E-13
1.1E+00	1.9E-07	1.0E-03	2.3E-10	1.6E-01	1.4E-02	4.9E-13	9.7E-01	6.0E-07	1.0E-03	6.1E-10	1.6E-01	1.4E-02	1.3E-12
1.8E+00	1.9E-07	1.0E-03	3.6E-10	1.6E-01	1.4E-02	7.7E-13	1.5E+00	6.0E-07	1.0E-03	9.3E-10	1.6E-01	1.4E-02	2.0E-12
3.3E+00	1.9E-07	1.0E-03	6.5E-10	1.6E-01	1.4E-02	1.4E-12	2.6E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	1.4E-02	3.5E-12
7.6E+00	1.9E-07	1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.2E-12	5.5E+00	6.0E-07	1.0E-03	3.4E-09	1.6E-01	1.4E-02	7.4E-12
7.7E+00	1.9E-07	1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.3E-12	9.6E+00	6.0E-07	1.0E-03	6.0E-09	1.6E-01	1.4E-02	1.3E-11
4.5E+00	1.9E-07	1.0E-03	9.0E-10	1.6E-01	1.4E-02	1.9E-12	5.1E+00	6.0E-07	1.0E-03	3.2E-09	1.6E-01	1.4E-02	6.9E-12
3.0E+00	1.9E-07	1.0E-03	5.9E-10	1.6E-01	1.4E-02	1.3E-12	3.2E+00	6.0E-07	1.0E-03	2.0E-09	1.6E-01	1.4E-02	4.3E-12
2.1E+00	1.9E-07	1.0E-03	4.1E-10	1.6E-01	1.4E-02	8.8E-13	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.9E-12
1.5E+00	1.9E-07	1.0E-03	3.0E-10	1.6E-01	1.4E-02	6.4E-13	1.5E+00	6.0E-07	1.0E-03	9.7E-10	1.6E-01	1.4E-02	2.1E-12
1.1E+00	1.9E-07	1.0E-03	2.3E-10	1.6E-01	1.4E-02	4.9E-13	1.2E+00	6.0E-07	1.0E-03	7.3E-10	1.6E-01	1.4E-02	1.6E-12
9.0E-01	1.9E-07	1.0E-03	1.8E-10	1.6E-01	1.4E-02	3.8E-13	9.0E-01	6.0E-07	1.0E-03	5.7E-10	1.6E-01	1.4E-02	1.2E-12
7.8E-01	1.9E-07	1.0E-03	1.6E-10	1.6E-01	1.4E-02	3.4E-13	6.6E-01	6.0E-07	1.0E-03	4.1E-10	1.6E-01	1.4E-02	8.9E-13
1.1E+00	1.9E-07	1.0E-03	2.3E-10	1.6E-01	1.4E-02	4.8E-13	9.1E-01	6.0E-07	1.0E-03	5.7E-10	1.6E-01	1.4E-02	1.2E-12
1.8E+00	1.9E-07	1.0E-03	3.6E-10	1.6E-01	1.4E-02	7.7E-13	1.4E+00	6.0E-07	1.0E-03	8.5E-10	1.6E-01	1.4E-02	1.8E-12
3.3E+00	1.9E-07	1.0E-03	6.5E-10	1.6E-01	1.4E-02	1.4E-12	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	1.4E-02	3.0E-12
7.4E+00	1.9E-07	1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.2E-12	4.1E+00	6.0E-07	1.0E-03	2.6E-09	1.6E-01	1.4E-02	5.5E-12
6.3E+00	1.9E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.7E-12	6.4E+00	6.0E-07	1.0E-03	4.0E-09	1.6E-01	1.4E-02	8.7E-12
3.7E+00	1.9E-07	1.0E-03	7.4E-10	1.6E-01	1.4E-02	1.6E-12	3.9E+00	6.0E-07	1.0E-03	2.4E-09	1.6E-01	1.4E-02	5.2E-12

2.4E+00	1.9E-07	1.0E-03	4.8E-10	1.6E-01	1.4E-02	1.0E-12	2.5E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	1.4E-02	3.4E-12
1.7E+00	1.9E-07	1.0E-03	3.5E-10	1.6E-01	1.4E-02	7.5E-13	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.4E-12
1.3E+00	1.9E-07	1.0E-03	2.6E-10	1.6E-01	1.4E-02	5.5E-13	1.3E+00	6.0E-07	1.0E-03	8.2E-10	1.6E-01	1.4E-02	1.8E-12
9.9E-01	1.9E-07	1.0E-03	2.0E-10	1.6E-01	1.4E-02	4.2E-13	9.9E-01	6.0E-07	1.0E-03	6.2E-10	1.6E-01	1.4E-02	1.3E-12
7.8E-01	1.9E-07	1.0E-03	1.6E-10	1.6E-01	1.4E-02	3.4E-13	7.8E-01	6.0E-07	1.0E-03	4.9E-10	1.6E-01	1.4E-02	1.1E-12
7.4E-01	1.9E-07	1.0E-03	1.5E-10	1.6E-01	1.4E-02	3.2E-13	6.1E-01	6.0E-07	1.0E-03	3.8E-10	1.6E-01	1.4E-02	8.2E-13
1.0E+00	1.9E-07	1.0E-03	2.1E-10	1.6E-01	1.4E-02	4.5E-13	8.2E-01	6.0E-07	1.0E-03	5.1E-10	1.6E-01	1.4E-02	1.1E-12
1.6E+00	1.9E-07	1.0E-03	3.1E-10	1.6E-01	1.4E-02	6.8E-13	1.1E+00	6.0E-07	1.0E-03	7.2E-10	1.6E-01	1.4E-02	1.5E-12
2.7E+00	1.9E-07	1.0E-03	5.3E-10	1.6E-01	1.4E-02	1.1E-12	1.7E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.3E-12
5.0E+00	1.9E-07	1.0E-03	9.8E-10	1.6E-01	1.4E-02	2.1E-12	2.7E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	1.4E-02	3.6E-12
4.5E+00	1.9E-07	1.0E-03	8.9E-10	1.6E-01	1.4E-02	1.9E-12	4.2E+00	6.0E-07	1.0E-03	2.6E-09	1.6E-01	1.4E-02	5.6E-12
2.9E+00	1.9E-07	1.0E-03	5.7E-10	1.6E-01	1.4E-02	1.2E-12	2.8E+00	6.0E-07	1.0E-03	1.8E-09	1.6E-01	1.4E-02	3.8E-12
2.0E+00	1.9E-07	1.0E-03	3.9E-10	1.6E-01	1.4E-02	8.4E-13	2.0E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.7E-12
1.5E+00	1.9E-07	1.0E-03	2.9E-10	1.6E-01	1.4E-02	6.3E-13	1.5E+00	6.0E-07	1.0E-03	9.3E-10	1.6E-01	1.4E-02	2.0E-12
1.1E+00	1.9E-07	1.0E-03	2.2E-10	1.6E-01	1.4E-02	4.7E-13	1.1E+00	6.0E-07	1.0E-03	7.0E-10	1.6E-01	1.4E-02	1.5E-12
8.6E-01	1.9E-07	1.0E-03	1.7E-10	1.6E-01	1.4E-02	3.7E-13	8.7E-01	6.0E-07	1.0E-03	5.4E-10	1.6E-01	1.4E-02	1.2E-12
6.9E-01	1.9E-07	1.0E-03	1.4E-10	1.6E-01	1.4E-02	2.9E-13	6.9E-01	6.0E-07	1.0E-03	4.3E-10	1.6E-01	1.4E-02	9.4E-13
6.7E-01	1.9E-07	1.0E-03	1.3E-10	1.6E-01	1.4E-02	2.9E-13	5.4E-01	6.0E-07	1.0E-03	3.4E-10	1.6E-01	1.4E-02	7.3E-13
9.0E-01	1.9E-07	1.0E-03	1.8E-10	1.6E-01	1.4E-02	3.9E-13	7.0E-01	6.0E-07	1.0E-03	4.4E-10	1.6E-01	1.4E-02	9.4E-13
1.3E+00	1.9E-07	1.0E-03	2.6E-10	1.6E-01	1.4E-02	5.5E-13	9.4E-01	6.0E-07	1.0E-03	5.9E-10	1.6E-01	1.4E-02	1.3E-12
2.0E+00	1.9E-07	1.0E-03	3.9E-10	1.6E-01	1.4E-02	8.4E-13	1.3E+00	6.0E-07	1.0E-03	8.2E-10	1.6E-01	1.4E-02	1.8E-12
3.1E+00	1.9E-07	1.0E-03	6.2E-10	1.6E-01	1.4E-02	1.3E-12	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.5E-12
3.3E+00	1.9E-07	1.0E-03	6.6E-10	1.6E-01	1.4E-02	1.4E-12	3.0E+00	6.0E-07	1.0E-03	1.9E-09	1.6E-01	1.4E-02	4.0E-12
2.3E+00	1.9E-07	1.0E-03	4.5E-10	1.6E-01	1.4E-02	9.7E-13	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	1.4E-02	3.0E-12
1.6E+00	1.9E-07	1.0E-03	3.2E-10	1.6E-01	1.4E-02	6.9E-13	1.6E+00	6.0E-07	1.0E-03	1.0E-09	1.6E-01	1.4E-02	2.2E-12
1.2E+00	1.9E-07	1.0E-03	2.5E-10	1.6E-01	1.4E-02	5.3E-13	1.3E+00	6.0E-07	1.0E-03	8.0E-10	1.6E-01	1.4E-02	1.7E-12
9.6E-01	1.9E-07	1.0E-03	1.9E-10	1.6E-01	1.4E-02	4.1E-13	9.8E-01	6.0E-07	1.0E-03	6.2E-10	1.6E-01	1.4E-02	1.3E-12
7.6E-01	1.9E-07	1.0E-03	1.5E-10	1.6E-01	1.4E-02	3.2E-13	7.8E-01	6.0E-07	1.0E-03	4.9E-10	1.6E-01	1.4E-02	1.0E-12
6.1E-01	1.9E-07	1.0E-03	1.2E-10	1.6E-01	1.4E-02	2.6E-13	6.3E-01	6.0E-07	1.0E-03	3.9E-10	1.6E-01	1.4E-02	8.5E-13
5.9E-01	1.9E-07	1.0E-03	1.2E-10	1.6E-01	1.4E-02	2.5E-13	4.7E-01	6.0E-07	1.0E-03	3.0E-10	1.6E-01	1.4E-02	6.4E-13
7.6E-01	1.9E-07	1.0E-03	1.5E-10	1.6E-01	1.4E-02	3.3E-13	5.9E-01	6.0E-07	1.0E-03	3.7E-10	1.6E-01	1.4E-02	8.0E-13
1.0E+00	1.9E-07	1.0E-03	2.0E-10	1.6E-01	1.4E-02	4.4E-13	7.6E-01	6.0E-07	1.0E-03	4.8E-10	1.6E-01	1.4E-02	1.0E-12
1.4E+00	1.9E-07	1.0E-03	2.8E-10	1.6E-01	1.4E-02	6.1E-13	1.0E+00	6.0E-07	1.0E-03	6.3E-10	1.6E-01	1.4E-02	1.3E-12
2.1E+00	1.9E-07	1.0E-03	4.2E-10	1.6E-01	1.4E-02	9.0E-13	1.4E+00	6.0E-07	1.0E-03	8.6E-10	1.6E-01	1.4E-02	1.8E-12
2.9E+00	1.9E-07	1.0E-03	5.8E-10	1.6E-01	1.4E-02	1.3E-12	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.5E-12
3.6E+00	1.9E-07	1.0E-03	7.1E-10	1.6E-01	1.4E-02	1.5E-12	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	1.4E-02	3.0E-12
3.6E+00	1.9E-07	1.0E-03	7.2E-10	1.6E-01	1.4E-02	1.6E-12	2.5E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	1.4E-02	3.3E-12
3.1E+00	1.9E-07	1.0E-03	6.3E-10	1.6E-01	1.4E-02	1.3E-12	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.3E-12
2.5E+00	1.9E-07	1.0E-03	4.9E-10	1.6E-01	1.4E-02	1.1E-12	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.9E-12
1.9E+00	1.9E-07	1.0E-03	3.7E-10	1.6E-01	1.4E-02	8.0E-13	1.7E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.4E-12
1.3E+00	1.9E-07	1.0E-03	2.7E-10	1.6E-01	1.4E-02	5.8E-13	1.3E+00	6.0E-07	1.0E-03	8.3E-10	1.6E-01	1.4E-02	1.8E-12
1.0E+00	1.9E-07	1.0E-03	2.1E-10	1.6E-01	1.4E-02	4.4E-13	1.1E+00	6.0E-07	1.0E-03	6.6E-10	1.6E-01	1.4E-02	1.4E-12
8.5E-01	1.9E-07	1.0E-03	1.7E-10	1.6E-01	1.4E-02	3.7E-13	8.7E-01	6.0E-07	1.0E-03	5.5E-10	1.6E-01	1.4E-02	1.2E-12
6.8E-01	1.9E-07	1.0E-03	1.4E-10	1.6E-01	1.4E-02	2.9E-13	7.0E-01	6.0E-07	1.0E-03	4.4E-10	1.6E-01	1.4E-02	9.5E-13
5.6E-01	1.9E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.4E-13	5.7E-01	6.0E-07	1.0E-03	3.6E-10	1.6E-01	1.4E-02	7.8E-13
5.1E-01	1.9E-07	1.0E-03	1.0E-10	1.6E-01	1.4E-02	2.2E-13	4.1E-01	6.0E-07	1.0E-03	2.6E-10	1.6E-01	1.4E-02	5.6E-13

6.4E-01	1.9E-07	1.0E-03	1.3E-10	1.6E-01	1.4E-02	2.7E-13	5.0E-01	6.0E-07	1.0E-03	3.2E-10	1.6E-01	1.4E-02	6.8E-13
8.2E-01	1.9E-07	1.0E-03	1.6E-10	1.6E-01	1.4E-02	3.5E-13	6.2E-01	6.0E-07	1.0E-03	3.9E-10	1.6E-01	1.4E-02	8.4E-13
1.1E+00	1.9E-07	1.0E-03	2.2E-10	1.6E-01	1.4E-02	4.7E-13	8.0E-01	6.0E-07	1.0E-03	5.0E-10	1.6E-01	1.4E-02	1.1E-12
1.5E+00	1.9E-07	1.0E-03	2.9E-10	1.6E-01	1.4E-02	6.3E-13	1.0E+00	6.0E-07	1.0E-03	6.5E-10	1.6E-01	1.4E-02	1.4E-12
1.9E+00	1.9E-07	1.0E-03	3.7E-10	1.6E-01	1.4E-02	8.0E-13	1.3E+00	6.0E-07	1.0E-03	8.1E-10	1.6E-01	1.4E-02	1.7E-12
2.2E+00	1.9E-07	1.0E-03	4.4E-10	1.6E-01	1.4E-02	9.5E-13	1.5E+00	6.0E-07	1.0E-03	9.5E-10	1.6E-01	1.4E-02	2.1E-12
2.3E+00	1.9E-07	1.0E-03	4.6E-10	1.6E-01	1.4E-02	9.9E-13	1.7E+00	6.0E-07	1.0E-03	1.0E-09	1.6E-01	1.4E-02	2.3E-12
2.2E+00	1.9E-07	1.0E-03	4.3E-10	1.6E-01	1.4E-02	9.2E-13	1.7E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.3E-12
1.8E+00	1.9E-07	1.0E-03	3.6E-10	1.6E-01	1.4E-02	7.8E-13	1.6E+00	6.0E-07	1.0E-03	9.7E-10	1.6E-01	1.4E-02	2.1E-12
1.5E+00	1.9E-07	1.0E-03	3.0E-10	1.6E-01	1.4E-02	6.4E-13	1.4E+00	6.0E-07	1.0E-03	8.5E-10	1.6E-01	1.4E-02	1.8E-12
1.2E+00	1.9E-07	1.0E-03	2.4E-10	1.6E-01	1.4E-02	5.1E-13	1.1E+00	6.0E-07	1.0E-03	7.1E-10	1.6E-01	1.4E-02	1.5E-12
9.0E-01	1.9E-07	1.0E-03	1.8E-10	1.6E-01	1.4E-02	3.9E-13	9.0E-01	6.0E-07	1.0E-03	5.6E-10	1.6E-01	1.4E-02	1.2E-12
7.6E-01	1.9E-07	1.0E-03	1.5E-10	1.6E-01	1.4E-02	3.2E-13	7.7E-01	6.0E-07	1.0E-03	4.8E-10	1.6E-01	1.4E-02	1.0E-12
6.3E-01	1.9E-07	1.0E-03	1.2E-10	1.6E-01	1.4E-02	2.7E-13	6.4E-01	6.0E-07	1.0E-03	4.0E-10	1.6E-01	1.4E-02	8.6E-13
5.2E-01	1.9E-07	1.0E-03	1.0E-10	1.6E-01	1.4E-02	2.2E-13	5.3E-01	6.0E-07	1.0E-03	3.3E-10	1.6E-01	1.4E-02	7.2E-13
4.4E-01	1.9E-07	1.0E-03	8.7E-11	1.6E-01	1.4E-02	1.9E-13	3.6E-01	6.0E-07	1.0E-03	2.3E-10	1.6E-01	1.4E-02	4.9E-13
5.4E-01	1.9E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.3E-13	4.3E-01	6.0E-07	1.0E-03	2.7E-10	1.6E-01	1.4E-02	5.8E-13
6.7E-01	1.9E-07	1.0E-03	1.3E-10	1.6E-01	1.4E-02	2.9E-13	5.3E-01	6.0E-07	1.0E-03	3.3E-10	1.6E-01	1.4E-02	7.1E-13
8.6E-01	1.9E-07	1.0E-03	1.7E-10	1.6E-01	1.4E-02	3.7E-13	6.5E-01	6.0E-07	1.0E-03	4.1E-10	1.6E-01	1.4E-02	8.8E-13
1.1E+00	1.9E-07	1.0E-03	2.1E-10	1.6E-01	1.4E-02	4.6E-13	8.0E-01	6.0E-07	1.0E-03	5.0E-10	1.6E-01	1.4E-02	1.1E-12
1.3E+00	1.9E-07	1.0E-03	2.6E-10	1.6E-01	1.4E-02	5.6E-13	9.6E-01	6.0E-07	1.0E-03	6.0E-10	1.6E-01	1.4E-02	1.3E-12
1.5E+00	1.9E-07	1.0E-03	3.0E-10	1.6E-01	1.4E-02	6.4E-13	1.1E+00	6.0E-07	1.0E-03	6.9E-10	1.6E-01	1.4E-02	1.5E-12
1.6E+00	1.9E-07	1.0E-03	3.1E-10	1.6E-01	1.4E-02	6.8E-13	1.2E+00	6.0E-07	1.0E-03	7.5E-10	1.6E-01	1.4E-02	1.6E-12
1.5E+00	1.9E-07	1.0E-03	3.1E-10	1.6E-01	1.4E-02	6.6E-13	1.2E+00	6.0E-07	1.0E-03	7.6E-10	1.6E-01	1.4E-02	1.6E-12
1.4E+00	1.9E-07	1.0E-03	2.7E-10	1.6E-01	1.4E-02	5.9E-13	1.2E+00	6.0E-07	1.0E-03	7.3E-10	1.6E-01	1.4E-02	1.6E-12
1.1E+00	1.9E-07	1.0E-03	2.3E-10	1.6E-01	1.4E-02	4.9E-13	1.0E+00	6.0E-07	1.0E-03	6.4E-10	1.6E-01	1.4E-02	1.4E-12
9.7E-01	1.9E-07	1.0E-03	1.9E-10	1.6E-01	1.4E-02	4.1E-13	9.0E-01	6.0E-07	1.0E-03	5.7E-10	1.6E-01	1.4E-02	1.2E-12
8.0E-01	1.9E-07	1.0E-03	1.6E-10	1.6E-01	1.4E-02	3.4E-13	7.8E-01	6.0E-07	1.0E-03	4.9E-10	1.6E-01	1.4E-02	1.0E-12
6.5E-01	1.9E-07	1.0E-03	1.3E-10	1.6E-01	1.4E-02	2.8E-13	6.4E-01	6.0E-07	1.0E-03	4.0E-10	1.6E-01	1.4E-02	8.7E-13
5.7E-01	1.9E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.4E-13	5.7E-01	6.0E-07	1.0E-03	3.6E-10	1.6E-01	1.4E-02	7.7E-13
4.8E-01	1.9E-07	1.0E-03	9.5E-11	1.6E-01	1.4E-02	2.0E-13	4.9E-01	6.0E-07	1.0E-03	3.1E-10	1.6E-01	1.4E-02	6.6E-13
3.8E-01	1.9E-07	1.0E-03	7.6E-11	1.6E-01	1.4E-02	1.6E-13	3.2E-01	6.0E-07	1.0E-03	2.0E-10	1.6E-01	1.4E-02	4.3E-13
4.6E-01	1.9E-07	1.0E-03	9.1E-11	1.6E-01	1.4E-02	2.0E-13	3.7E-01	6.0E-07	1.0E-03	2.4E-10	1.6E-01	1.4E-02	5.1E-13
5.6E-01	1.9E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.4E-13	4.5E-01	6.0E-07	1.0E-03	2.8E-10	1.6E-01	1.4E-02	6.0E-13
6.8E-01	1.9E-07	1.0E-03	1.4E-10	1.6E-01	1.4E-02	2.9E-13	5.3E-01	6.0E-07	1.0E-03	3.4E-10	1.6E-01	1.4E-02	7.2E-13
8.3E-01	1.9E-07	1.0E-03	1.6E-10	1.6E-01	1.4E-02	3.5E-13	6.4E-01	6.0E-07	1.0E-03	4.0E-10	1.6E-01	1.4E-02	8.6E-13
9.7E-01	1.9E-07	1.0E-03	1.9E-10	1.6E-01	1.4E-02	4.2E-13	7.4E-01	6.0E-07	1.0E-03	4.7E-10	1.6E-01	1.4E-02	1.0E-12
1.1E+00	1.9E-07	1.0E-03	2.2E-10	1.6E-01	1.4E-02	4.7E-13	8.4E-01	6.0E-07	1.0E-03	5.2E-10	1.6E-01	1.4E-02	1.1E-12
1.1E+00	1.9E-07	1.0E-03	2.3E-10	1.6E-01	1.4E-02	4.9E-13	9.0E-01	6.0E-07	1.0E-03	5.6E-10	1.6E-01	1.4E-02	1.2E-12
1.1E+00	1.9E-07	1.0E-03	2.3E-10	1.6E-01	1.4E-02	4.8E-13	9.2E-01	6.0E-07	1.0E-03	5.8E-10	1.6E-01	1.4E-02	1.2E-12
1.1E+00	1.9E-07	1.0E-03	2.1E-10	1.6E-01	1.4E-02	4.5E-13	8.9E-01	6.0E-07	1.0E-03	5.6E-10	1.6E-01	1.4E-02	1.2E-12
9.6E-01	1.9E-07	1.0E-03	1.9E-10	1.6E-01	1.4E-02	4.1E-13	8.4E-01	6.0E-07	1.0E-03	5.3E-10	1.6E-01	1.4E-02	1.1E-12
8.4E-01	1.9E-07	1.0E-03	1.7E-10	1.6E-01	1.4E-02	3.6E-13	7.7E-01	6.0E-07	1.0E-03	4.8E-10	1.6E-01	1.4E-02	1.0E-12
7.2E-01	1.9E-07	1.0E-03	1.4E-10	1.6E-01	1.4E-02	3.1E-13	6.8E-01	6.0E-07	1.0E-03	4.3E-10	1.6E-01	1.4E-02	9.2E-13
5.8E-01	1.9E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.5E-13	5.6E-01	6.0E-07	1.0E-03	3.5E-10	1.6E-01	1.4E-02	7.6E-13
4.9E-01	1.9E-07	1.0E-03	9.7E-11	1.6E-01	1.4E-02	2.1E-13	4.9E-01	6.0E-07	1.0E-03	3.1E-10	1.6E-01	1.4E-02	6.6E-13

4.4E-01	1.9E-07	1.0E-03	8.8E-11	1.6E-01	1.4E-02	1.9E-13	4.5E-01	6.0E-07	1.0E-03	2.8E-10	1.6E-01	1.4E-02	6.0E-13
3.4E-01	1.9E-07	1.0E-03	6.7E-11	1.6E-01	1.4E-02	1.4E-13	2.8E-01	6.0E-07	1.0E-03	1.8E-10	1.6E-01	1.4E-02	3.8E-13
4.0E-01	1.9E-07	1.0E-03	7.9E-11	1.6E-01	1.4E-02	1.7E-13	3.3E-01	6.0E-07	1.0E-03	2.1E-10	1.6E-01	1.4E-02	4.4E-13
4.7E-01	1.9E-07	1.0E-03	9.3E-11	1.6E-01	1.4E-02	2.0E-13	3.8E-01	6.0E-07	1.0E-03	2.4E-10	1.6E-01	1.4E-02	5.2E-13
5.6E-01	1.9E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.4E-13	4.5E-01	6.0E-07	1.0E-03	2.8E-10	1.6E-01	1.4E-02	6.0E-13
6.5E-01	1.9E-07	1.0E-03	1.3E-10	1.6E-01	1.4E-02	2.8E-13	5.2E-01	6.0E-07	1.0E-03	3.3E-10	1.6E-01	1.4E-02	7.0E-13
7.5E-01	1.9E-07	1.0E-03	1.5E-10	1.6E-01	1.4E-02	3.2E-13	5.9E-01	6.0E-07	1.0E-03	3.7E-10	1.6E-01	1.4E-02	8.0E-13
8.3E-01	1.9E-07	1.0E-03	1.6E-10	1.6E-01	1.4E-02	3.5E-13	6.6E-01	6.0E-07	1.0E-03	4.1E-10	1.6E-01	1.4E-02	8.9E-13
8.7E-01	1.9E-07	1.0E-03	1.7E-10	1.6E-01	1.4E-02	3.7E-13	7.0E-01	6.0E-07	1.0E-03	4.4E-10	1.6E-01	1.4E-02	9.5E-13
8.7E-01	1.9E-07	1.0E-03	1.7E-10	1.6E-01	1.4E-02	3.7E-13	7.2E-01	6.0E-07	1.0E-03	4.5E-10	1.6E-01	1.4E-02	9.7E-13
8.4E-01	1.9E-07	1.0E-03	1.7E-10	1.6E-01	1.4E-02	3.6E-13	7.1E-01	6.0E-07	1.0E-03	4.5E-10	1.6E-01	1.4E-02	9.6E-13
7.8E-01	1.9E-07	1.0E-03	1.6E-10	1.6E-01	1.4E-02	3.3E-13	6.9E-01	6.0E-07	1.0E-03	4.3E-10	1.6E-01	1.4E-02	9.3E-13
7.1E-01	1.9E-07	1.0E-03	1.4E-10	1.6E-01	1.4E-02	3.0E-13	6.4E-01	6.0E-07	1.0E-03	4.0E-10	1.6E-01	1.4E-02	8.6E-13
6.2E-01	1.9E-07	1.0E-03	1.2E-10	1.6E-01	1.4E-02	2.7E-13	5.8E-01	6.0E-07	1.0E-03	3.7E-10	1.6E-01	1.4E-02	7.9E-13
5.4E-01	1.9E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.3E-13	5.2E-01	6.0E-07	1.0E-03	3.3E-10	1.6E-01	1.4E-02	7.0E-13
4.4E-01	1.9E-07	1.0E-03	8.8E-11	1.6E-01	1.4E-02	1.9E-13	4.3E-01	6.0E-07	1.0E-03	2.7E-10	1.6E-01	1.4E-02	5.8E-13
3.8E-01	1.9E-07	1.0E-03	7.6E-11	1.6E-01	1.4E-02	1.6E-13	3.8E-01	6.0E-07	1.0E-03	2.4E-10	1.6E-01	1.4E-02	5.1E-13
2.9E-01	1.9E-07	1.0E-03	5.8E-11	1.6E-01	1.4E-02	1.3E-13	2.5E-01	6.0E-07	1.0E-03	1.6E-10	1.6E-01	1.4E-02	3.4E-13
3.4E-01	1.9E-07	1.0E-03	6.8E-11	1.6E-01	1.4E-02	1.5E-13	2.9E-01	6.0E-07	1.0E-03	1.8E-10	1.6E-01	1.4E-02	3.9E-13
4.0E-01	1.9E-07	1.0E-03	7.9E-11	1.6E-01	1.4E-02	1.7E-13	3.3E-01	6.0E-07	1.0E-03	2.1E-10	1.6E-01	1.4E-02	4.4E-13
4.6E-01	1.9E-07	1.0E-03	9.2E-11	1.6E-01	1.4E-02	2.0E-13	3.8E-01	6.0E-07	1.0E-03	2.4E-10	1.6E-01	1.4E-02	5.1E-13
5.3E-01	1.9E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.3E-13	4.3E-01	6.0E-07	1.0E-03	2.7E-10	1.6E-01	1.4E-02	5.8E-13
6.0E-01	1.9E-07	1.0E-03	1.2E-10	1.6E-01	1.4E-02	2.6E-13	4.9E-01	6.0E-07	1.0E-03	3.0E-10	1.6E-01	1.4E-02	6.6E-13
6.5E-01	1.9E-07	1.0E-03	1.3E-10	1.6E-01	1.4E-02	2.8E-13	5.3E-01	6.0E-07	1.0E-03	3.3E-10	1.6E-01	1.4E-02	7.2E-13
6.8E-01	1.9E-07	1.0E-03	1.4E-10	1.6E-01	1.4E-02	2.9E-13	5.6E-01	6.0E-07	1.0E-03	3.5E-10	1.6E-01	1.4E-02	7.6E-13
6.9E-01	1.9E-07	1.0E-03	1.4E-10	1.6E-01	1.4E-02	3.0E-13	5.8E-01	6.0E-07	1.0E-03	3.6E-10	1.6E-01	1.4E-02	7.8E-13
6.7E-01	1.9E-07	1.0E-03	1.3E-10	1.6E-01	1.4E-02	2.9E-13	5.8E-01	6.0E-07	1.0E-03	3.6E-10	1.6E-01	1.4E-02	7.8E-13
6.4E-01	1.9E-07	1.0E-03	1.3E-10	1.6E-01	1.4E-02	2.7E-13	5.6E-01	6.0E-07	1.0E-03	3.5E-10	1.6E-01	1.4E-02	7.6E-13
5.9E-01	1.9E-07	1.0E-03	1.2E-10	1.6E-01	1.4E-02	2.5E-13	5.3E-01	6.0E-07	1.0E-03	3.4E-10	1.6E-01	1.4E-02	7.2E-13
5.4E-01	1.9E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.3E-13	5.0E-01	6.0E-07	1.0E-03	3.1E-10	1.6E-01	1.4E-02	6.7E-13
4.8E-01	1.9E-07	1.0E-03	9.5E-11	1.6E-01	1.4E-02	2.1E-13	4.5E-01	6.0E-07	1.0E-03	2.9E-10	1.6E-01	1.4E-02	6.1E-13
4.2E-01	1.9E-07	1.0E-03	8.3E-11	1.6E-01	1.4E-02	1.8E-13	4.0E-01	6.0E-07	1.0E-03	2.5E-10	1.6E-01	1.4E-02	5.5E-13
3.5E-01	1.9E-07	1.0E-03	6.9E-11	1.6E-01	1.4E-02	1.5E-13	3.4E-01	6.0E-07	1.0E-03	2.1E-10	1.6E-01	1.4E-02	4.6E-13
2.6E-01	1.9E-07	1.0E-03	5.2E-11	1.6E-01	1.4E-02	1.1E-13	2.2E-01	6.0E-07	1.0E-03	1.4E-10	1.6E-01	1.4E-02	3.0E-13
3.0E-01	1.9E-07	1.0E-03	5.9E-11	1.6E-01	1.4E-02	1.3E-13	2.5E-01	6.0E-07	1.0E-03	1.6E-10	1.6E-01	1.4E-02	3.4E-13
3.4E-01	1.9E-07	1.0E-03	6.8E-11	1.6E-01	1.4E-02	1.5E-13	2.9E-01	6.0E-07	1.0E-03	1.8E-10	1.6E-01	1.4E-02	3.9E-13
3.9E-01	1.9E-07	1.0E-03	7.7E-11	1.6E-01	1.4E-02	1.7E-13	3.3E-01	6.0E-07	1.0E-03	2.0E-10	1.6E-01	1.4E-02	4.4E-13
4.4E-01	1.9E-07	1.0E-03	8.7E-11	1.6E-01	1.4E-02	1.9E-13	3.7E-01	6.0E-07	1.0E-03	2.3E-10	1.6E-01	1.4E-02	4.9E-13
4.9E-01	1.9E-07	1.0E-03	9.7E-11	1.6E-01	1.4E-02	2.1E-13	4.0E-01	6.0E-07	1.0E-03	2.5E-10	1.6E-01	1.4E-02	5.5E-13
5.3E-01	1.9E-07	1.0E-03	1.0E-10	1.6E-01	1.4E-02	2.3E-13	4.4E-01	6.0E-07	1.0E-03	2.8E-10	1.6E-01	1.4E-02	5.9E-13
5.5E-01	1.9E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.4E-13	4.6E-01	6.0E-07	1.0E-03	2.9E-10	1.6E-01	1.4E-02	6.3E-13
5.6E-01	1.9E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.4E-13	4.8E-01	6.0E-07	1.0E-03	3.0E-10	1.6E-01	1.4E-02	6.4E-13
5.5E-01	1.9E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.4E-13	4.8E-01	6.0E-07	1.0E-03	3.0E-10	1.6E-01	1.4E-02	6.5E-13
5.3E-01	1.9E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.3E-13	4.7E-01	6.0E-07	1.0E-03	2.9E-10	1.6E-01	1.4E-02	6.3E-13
5.0E-01	1.9E-07	1.0E-03	9.9E-11	1.6E-01	1.4E-02	2.1E-13	4.5E-01	6.0E-07	1.0E-03	2.8E-10	1.6E-01	1.4E-02	6.1E-13
4.6E-01	1.9E-07	1.0E-03	9.2E-11	1.6E-01	1.4E-02	2.0E-13	4.3E-01	6.0E-07	1.0E-03	2.7E-10	1.6E-01	1.4E-02	5.7E-13

4.2E-01	1.9E-07	1.0E-03	8.4E-11	1.6E-01	1.4E-02	1.8E-13	4.0E-01	6.0E-07	1.0E-03	2.5E-10	1.6E-01	1.4E-02	5.3E-13
3.8E-01	1.9E-07	1.0E-03	7.5E-11	1.6E-01	1.4E-02	1.6E-13	3.6E-01	6.0E-07	1.0E-03	2.3E-10	1.6E-01	1.4E-02	4.9E-13
3.2E-01	1.9E-07	1.0E-03	6.4E-11	1.6E-01	1.4E-02	1.4E-13	3.1E-01	6.0E-07	1.0E-03	2.0E-10	1.6E-01	1.4E-02	4.2E-13
1.2E+01	1.9E-07	1.0E-03	2.3E-09	1.6E-01	1.4E-02	5.0E-12	1.4E+01	6.0E-07	1.0E-03	8.9E-09	1.6E-01	1.4E-02	1.9E-11
1.4E+01	1.9E-07	1.0E-03	2.8E-09	1.6E-01	1.4E-02	5.9E-12	1.8E+01	6.0E-07	1.0E-03	1.1E-08	1.6E-01	1.4E-02	2.5E-11
1.6E+01	1.9E-07	1.0E-03	3.2E-09	1.6E-01	1.4E-02	7.0E-12	2.4E+01	6.0E-07	1.0E-03	1.5E-08	1.6E-01	1.4E-02	3.2E-11
1.9E+01	1.9E-07	1.0E-03	3.7E-09	1.6E-01	1.4E-02	8.1E-12	3.2E+01	6.0E-07	1.0E-03	2.0E-08	1.6E-01	1.4E-02	4.3E-11
2.1E+01	1.9E-07	1.0E-03	4.3E-09	1.6E-01	1.4E-02	9.2E-12	4.2E+01	6.0E-07	1.0E-03	2.7E-08	1.6E-01	1.4E-02	5.7E-11
2.3E+01	1.9E-07	1.0E-03	4.7E-09	1.6E-01	1.4E-02	1.0E-11	5.4E+01	6.0E-07	1.0E-03	3.4E-08	1.6E-01	1.4E-02	7.3E-11
2.5E+01	1.9E-07	1.0E-03	4.9E-09	1.6E-01	1.4E-02	1.1E-11	6.3E+01	6.0E-07	1.0E-03	3.9E-08	1.6E-01	1.4E-02	8.5E-11
2.4E+01	1.9E-07	1.0E-03	4.9E-09	1.6E-01	1.4E-02	1.0E-11	6.8E+01	6.0E-07	1.0E-03	4.3E-08	1.6E-01	1.4E-02	9.2E-11
2.3E+01	1.9E-07	1.0E-03	4.7E-09	1.6E-01	1.4E-02	1.0E-11	7.0E+01	6.0E-07	1.0E-03	4.4E-08	1.6E-01	1.4E-02	9.4E-11
2.2E+01	1.9E-07	1.0E-03	4.3E-09	1.6E-01	1.4E-02	9.3E-12	6.8E+01	6.0E-07	1.0E-03	4.2E-08	1.6E-01	1.4E-02	9.1E-11
2.0E+01	1.9E-07	1.0E-03	4.0E-09	1.6E-01	1.4E-02	8.6E-12	6.1E+01	6.0E-07	1.0E-03	3.8E-08	1.6E-01	1.4E-02	8.2E-11
1.8E+01	1.9E-07	1.0E-03	3.6E-09	1.6E-01	1.4E-02	7.8E-12	5.1E+01	6.0E-07	1.0E-03	3.2E-08	1.6E-01	1.4E-02	6.9E-11
1.7E+01	1.9E-07	1.0E-03	3.3E-09	1.6E-01	1.4E-02	7.1E-12	4.2E+01	6.0E-07	1.0E-03	2.7E-08	1.6E-01	1.4E-02	5.7E-11
1.5E+01	1.9E-07	1.0E-03	3.0E-09	1.6E-01	1.4E-02	6.4E-12	3.5E+01	6.0E-07	1.0E-03	2.2E-08	1.6E-01	1.4E-02	4.7E-11
1.3E+01	1.9E-07	1.0E-03	2.7E-09	1.6E-01	1.4E-02	5.8E-12	2.9E+01	6.0E-07	1.0E-03	1.8E-08	1.6E-01	1.4E-02	3.9E-11
1.2E+01	1.9E-07	1.0E-03	2.4E-09	1.6E-01	1.4E-02	5.2E-12	2.4E+01	6.0E-07	1.0E-03	1.5E-08	1.6E-01	1.4E-02	3.2E-11
1.1E+01	1.9E-07	1.0E-03	2.2E-09	1.6E-01	1.4E-02	4.7E-12	2.0E+01	6.0E-07	1.0E-03	1.3E-08	1.6E-01	1.4E-02	2.7E-11
9.9E+00	1.9E-07	1.0E-03	2.0E-09	1.6E-01	1.4E-02	4.2E-12	1.7E+01	6.0E-07	1.0E-03	1.1E-08	1.6E-01	1.4E-02	2.3E-11
9.0E+00	1.9E-07	1.0E-03	1.8E-09	1.6E-01	1.4E-02	3.8E-12	1.5E+01	6.0E-07	1.0E-03	9.1E-09	1.6E-01	1.4E-02	2.0E-11
8.1E+00	1.9E-07	1.0E-03	1.6E-09	1.6E-01	1.4E-02	3.5E-12	1.3E+01	6.0E-07	1.0E-03	7.9E-09	1.6E-01	1.4E-02	1.7E-11
7.4E+00	1.9E-07	1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.2E-12	1.1E+01	6.0E-07	1.0E-03	6.9E-09	1.6E-01	1.4E-02	1.5E-11
6.7E+00	1.9E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.9E-12	9.6E+00	6.0E-07	1.0E-03	6.0E-09	1.6E-01	1.4E-02	1.3E-11
6.1E+00	1.9E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.6E-12	8.5E+00	6.0E-07	1.0E-03	5.3E-09	1.6E-01	1.4E-02	1.1E-11
5.6E+00	1.9E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.4E-12	7.5E+00	6.0E-07	1.0E-03	4.7E-09	1.6E-01	1.4E-02	1.0E-11
5.1E+00	1.9E-07	1.0E-03	1.0E-09	1.6E-01	1.4E-02	2.2E-12	6.7E+00	6.0E-07	1.0E-03	4.2E-09	1.6E-01	1.4E-02	9.1E-12
4.7E+00	1.9E-07	1.0E-03	9.4E-10	1.6E-01	1.4E-02	2.0E-12	6.0E+00	6.0E-07	1.0E-03	3.8E-09	1.6E-01	1.4E-02	8.1E-12
1.4E+01	1.9E-07	1.0E-03	2.9E-09	1.6E-01	1.4E-02	6.1E-12	1.6E+01	6.0E-07	1.0E-03	1.0E-08	1.6E-01	1.4E-02	2.2E-11
1.8E+01	1.9E-07	1.0E-03	3.5E-09	1.6E-01	1.4E-02	7.6E-12	2.2E+01	6.0E-07	1.0E-03	1.4E-08	1.6E-01	1.4E-02	2.9E-11
2.2E+01	1.9E-07	1.0E-03	4.3E-09	1.6E-01	1.4E-02	9.2E-12	3.0E+01	6.0E-07	1.0E-03	1.9E-08	1.6E-01	1.4E-02	4.1E-11
2.6E+01	1.9E-07	1.0E-03	5.2E-09	1.6E-01	1.4E-02	1.1E-11	4.3E+01	6.0E-07	1.0E-03	2.7E-08	1.6E-01	1.4E-02	5.8E-11
3.1E+01	1.9E-07	1.0E-03	6.1E-09	1.6E-01	1.4E-02	1.3E-11	1.5E+01	6.0E-07	1.0E-03	9.6E-09	1.6E-01	1.4E-02	2.1E-11
3.4E+01	1.9E-07	1.0E-03	6.8E-09	1.6E-01	1.4E-02	1.5E-11	2.2E+01	6.0E-07	1.0E-03	1.4E-08	1.6E-01	1.4E-02	2.9E-11
3.5E+01	1.9E-07	1.0E-03	7.0E-09	1.6E-01	1.4E-02	1.5E-11	3.2E+01	6.0E-07	1.0E-03	2.0E-08	1.6E-01	1.4E-02	4.3E-11
3.3E+01	1.9E-07	1.0E-03	6.6E-09	1.6E-01	1.4E-02	1.4E-11	4.6E+01	6.0E-07	1.0E-03	2.9E-08	1.6E-01	1.4E-02	6.3E-11
3.0E+01	1.9E-07	1.0E-03	6.1E-09	1.6E-01	1.4E-02	1.3E-11	4.7E+01	6.0E-07	1.0E-03	3.0E-08	1.6E-01	1.4E-02	6.4E-11
2.7E+01	1.9E-07	1.0E-03	5.4E-09	1.6E-01	1.4E-02	1.2E-11	3.5E+01	6.0E-07	1.0E-03	2.2E-08	1.6E-01	1.4E-02	4.7E-11
2.4E+01	1.9E-07	1.0E-03	4.8E-09	1.6E-01	1.4E-02	1.0E-11	2.6E+01	6.0E-07	1.0E-03	1.7E-08	1.6E-01	1.4E-02	3.6E-11
2.1E+01	1.9E-07	1.0E-03	4.2E-09	1.6E-01	1.4E-02	9.1E-12	6.8E+01	6.0E-07	1.0E-03	4.3E-08	1.6E-01	1.4E-02	9.2E-11
1.9E+01	1.9E-07	1.0E-03	3.7E-09	1.6E-01	1.4E-02	8.0E-12	5.2E+01	6.0E-07	1.0E-03	3.2E-08	1.6E-01	1.4E-02	7.0E-11
1.7E+01	1.9E-07	1.0E-03	3.3E-09	1.6E-01	1.4E-02	7.1E-12	4.0E+01	6.0E-07	1.0E-03	2.5E-08	1.6E-01	1.4E-02	5.4E-11
1.5E+01	1.9E-07	1.0E-03	2.9E-09	1.6E-01	1.4E-02	6.3E-12	3.2E+01	6.0E-07	1.0E-03	2.0E-08	1.6E-01	1.4E-02	4.3E-11
1.3E+01	1.9E-07	1.0E-03	2.6E-09	1.6E-01	1.4E-02	5.6E-12	2.6E+01	6.0E-07	1.0E-03	1.6E-08	1.6E-01	1.4E-02	3.5E-11
1.2E+01	1.9E-07	1.0E-03	2.3E-09	1.6E-01	1.4E-02	5.0E-12	2.1E+01	6.0E-07	1.0E-03	1.3E-08	1.6E-01	1.4E-02	2.9E-11

1.0E+01	1.9E-07	1.0E-03	2.1E-09	1.6E-01	1.4E-02	4.5E-12	1.8E+01	6.0E-07	1.0E-03	1.1E-08	1.6E-01	1.4E-02	2.4E-11
9.4E+00	1.9E-07	1.0E-03	1.9E-09	1.6E-01	1.4E-02	4.0E-12	1.5E+01	6.0E-07	1.0E-03	9.4E-09	1.6E-01	1.4E-02	2.0E-11
8.4E+00	1.9E-07	1.0E-03	1.7E-09	1.6E-01	1.4E-02	3.6E-12	1.3E+01	6.0E-07	1.0E-03	8.0E-09	1.6E-01	1.4E-02	1.7E-11
7.6E+00	1.9E-07	1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.3E-12	1.1E+01	6.0E-07	1.0E-03	6.9E-09	1.6E-01	1.4E-02	1.5E-11
6.9E+00	1.9E-07	1.0E-03	1.4E-09	1.6E-01	1.4E-02	2.9E-12	9.6E+00	6.0E-07	1.0E-03	6.0E-09	1.6E-01	1.4E-02	1.3E-11
6.2E+00	1.9E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.7E-12	8.4E+00	6.0E-07	1.0E-03	5.3E-09	1.6E-01	1.4E-02	1.1E-11
5.7E+00	1.9E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.4E-12	7.4E+00	6.0E-07	1.0E-03	4.7E-09	1.6E-01	1.4E-02	1.0E-11
5.2E+00	1.9E-07	1.0E-03	1.0E-09	1.6E-01	1.4E-02	2.2E-12	6.6E+00	6.0E-07	1.0E-03	4.2E-09	1.6E-01	1.4E-02	8.9E-12
4.8E+00	1.9E-07	1.0E-03	9.5E-10	1.6E-01	1.4E-02	2.0E-12	5.9E+00	6.0E-07	1.0E-03	3.7E-09	1.6E-01	1.4E-02	8.0E-12
1.8E+01	1.9E-07	1.0E-03	3.5E-09	1.6E-01	1.4E-02	7.5E-12	1.8E+01	6.0E-07	1.0E-03	1.1E-08	1.6E-01	1.4E-02	2.4E-11
2.3E+01	1.9E-07	1.0E-03	4.5E-09	1.6E-01	1.4E-02	9.7E-12	2.5E+01	6.0E-07	1.0E-03	1.6E-08	1.6E-01	1.4E-02	3.4E-11
2.9E+01	1.9E-07	1.0E-03	5.8E-09	1.6E-01	1.4E-02	1.3E-11	3.7E+01	6.0E-07	1.0E-03	2.3E-08	1.6E-01	1.4E-02	4.9E-11
3.8E+01	1.9E-07	1.0E-03	7.6E-09	1.6E-01	1.4E-02	1.6E-11	5.7E+01	6.0E-07	1.0E-03	3.6E-08	1.6E-01	1.4E-02	7.7E-11
4.8E+01	1.9E-07	1.0E-03	9.4E-09	1.6E-01	1.4E-02	2.0E-11	1.8E+01	6.0E-07	1.0E-03	1.1E-08	1.6E-01	1.4E-02	2.4E-11
5.4E+01	1.9E-07	1.0E-03	1.1E-08	1.6E-01	1.4E-02	2.3E-11	2.7E+01	6.0E-07	1.0E-03	1.7E-08	1.6E-01	1.4E-02	3.7E-11
5.3E+01	1.9E-07	1.0E-03	1.1E-08	1.6E-01	1.4E-02	2.3E-11	4.4E+01	6.0E-07	1.0E-03	2.7E-08	1.6E-01	1.4E-02	5.9E-11
4.7E+01	1.9E-07	1.0E-03	9.3E-09	1.6E-01	1.4E-02	2.0E-11	0.0E+00	6.0E-07	1.0E-03	0.0E+00	1.6E-01	1.4E-02	0.0E+00
4.0E+01	1.9E-07	1.0E-03	7.9E-09	1.6E-01	1.4E-02	1.7E-11	0.0E+00	6.0E-07	1.0E-03	0.0E+00	1.6E-01	1.4E-02	0.0E+00
3.4E+01	1.9E-07	1.0E-03	6.7E-09	1.6E-01	1.4E-02	1.4E-11	4.3E+01	6.0E-07	1.0E-03	2.7E-08	1.6E-01	1.4E-02	5.9E-11
2.9E+01	1.9E-07	1.0E-03	5.7E-09	1.6E-01	1.4E-02	1.2E-11	3.0E+01	6.0E-07	1.0E-03	1.9E-08	1.6E-01	1.4E-02	4.1E-11
2.4E+01	1.9E-07	1.0E-03	4.9E-09	1.6E-01	1.4E-02	1.0E-11	2.2E+01	6.0E-07	1.0E-03	1.4E-08	1.6E-01	1.4E-02	3.0E-11
2.1E+01	1.9E-07	1.0E-03	4.2E-09	1.6E-01	1.4E-02	9.0E-12	6.1E+01	6.0E-07	1.0E-03	3.9E-08	1.6E-01	1.4E-02	8.3E-11
1.8E+01	1.9E-07	1.0E-03	3.6E-09	1.6E-01	1.4E-02	7.8E-12	4.4E+01	6.0E-07	1.0E-03	2.8E-08	1.6E-01	1.4E-02	6.0E-11
1.6E+01	1.9E-07	1.0E-03	3.2E-09	1.6E-01	1.4E-02	6.8E-12	3.4E+01	6.0E-07	1.0E-03	2.1E-08	1.6E-01	1.4E-02	4.6E-11
1.4E+01	1.9E-07	1.0E-03	2.8E-09	1.6E-01	1.4E-02	6.0E-12	2.7E+01	6.0E-07	1.0E-03	1.7E-08	1.6E-01	1.4E-02	3.6E-11
1.2E+01	1.9E-07	1.0E-03	2.5E-09	1.6E-01	1.4E-02	5.3E-12	2.2E+01	6.0E-07	1.0E-03	1.4E-08	1.6E-01	1.4E-02	2.9E-11
1.1E+01	1.9E-07	1.0E-03	2.2E-09	1.6E-01	1.4E-02	4.7E-12	1.8E+01	6.0E-07	1.0E-03	1.1E-08	1.6E-01	1.4E-02	2.4E-11
9.7E+00	1.9E-07	1.0E-03	1.9E-09	1.6E-01	1.4E-02	4.2E-12	1.5E+01	6.0E-07	1.0E-03	9.4E-09	1.6E-01	1.4E-02	2.0E-11
8.7E+00	1.9E-07	1.0E-03	1.7E-09	1.6E-01	1.4E-02	3.7E-12	1.3E+01	6.0E-07	1.0E-03	7.9E-09	1.6E-01	1.4E-02	1.7E-11
7.8E+00	1.9E-07	1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.3E-12	1.1E+01	6.0E-07	1.0E-03	6.8E-09	1.6E-01	1.4E-02	1.5E-11
7.0E+00	1.9E-07	1.0E-03	1.4E-09	1.6E-01	1.4E-02	3.0E-12	9.4E+00	6.0E-07	1.0E-03	5.9E-09	1.6E-01	1.4E-02	1.3E-11
6.3E+00	1.9E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.7E-12	8.2E+00	6.0E-07	1.0E-03	5.2E-09	1.6E-01	1.4E-02	1.1E-11
5.7E+00	1.9E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.4E-12	7.3E+00	6.0E-07	1.0E-03	4.6E-09	1.6E-01	1.4E-02	9.8E-12
5.2E+00	1.9E-07	1.0E-03	1.0E-09	1.6E-01	1.4E-02	2.2E-12	6.5E+00	6.0E-07	1.0E-03	4.1E-09	1.6E-01	1.4E-02	8.7E-12
4.8E+00	1.9E-07	1.0E-03	9.4E-10	1.6E-01	1.4E-02	2.0E-12	5.8E+00	6.0E-07	1.0E-03	3.6E-09	1.6E-01	1.4E-02	7.8E-12
2.1E+01	1.9E-07	1.0E-03	4.2E-09	1.6E-01	1.4E-02	9.1E-12	1.9E+01	6.0E-07	1.0E-03	1.2E-08	1.6E-01	1.4E-02	2.6E-11
2.9E+01	1.9E-07	1.0E-03	5.7E-09	1.6E-01	1.4E-02	1.2E-11	2.7E+01	6.0E-07	1.0E-03	1.7E-08	1.6E-01	1.4E-02	3.7E-11
4.0E+01	1.9E-07	1.0E-03	8.0E-09	1.6E-01	1.4E-02	1.7E-11	4.1E+01	6.0E-07	1.0E-03	2.6E-08	1.6E-01	1.4E-02	5.6E-11
5.7E+01	1.9E-07	1.0E-03	1.1E-08	1.6E-01	1.4E-02	2.4E-11	1.3E+01	6.0E-07	1.0E-03	8.2E-09	1.6E-01	1.4E-02	1.8E-11
2.2E+01	1.9E-07	1.0E-03	4.5E-09	1.6E-01	1.4E-02	9.6E-12	2.0E+01	6.0E-07	1.0E-03	1.2E-08	1.6E-01	1.4E-02	2.7E-11
2.5E+01	1.9E-07	1.0E-03	4.9E-09	1.6E-01	1.4E-02	1.1E-11	3.1E+01	6.0E-07	1.0E-03	2.0E-08	1.6E-01	1.4E-02	4.2E-11
2.6E+01	1.9E-07	1.0E-03	5.1E-09	1.6E-01	1.4E-02	1.1E-11	0.0E+00	6.0E-07	1.0E-03	0.0E+00	1.6E-01	1.4E-02	0.0E+00
6.8E+01	1.9E-07	1.0E-03	1.4E-08	1.6E-01	1.4E-02	2.9E-11	0.0E+00	6.0E-07	1.0E-03	0.0E+00	1.6E-01	1.4E-02	0.0E+00
5.2E+01	1.9E-07	1.0E-03	1.0E-08	1.6E-01	1.4E-02	2.2E-11	0.0E+00	6.0E-07	1.0E-03	0.0E+00	1.6E-01	1.4E-02	0.0E+00
4.1E+01	1.9E-07	1.0E-03	8.1E-09	1.6E-01	1.4E-02	1.8E-11	5.0E+01	6.0E-07	1.0E-03	3.1E-08	1.6E-01	1.4E-02	6.7E-11
3.3E+01	1.9E-07	1.0E-03	6.6E-09	1.6E-01	1.4E-02	1.4E-11	3.2E+01	6.0E-07	1.0E-03	2.0E-08	1.6E-01	1.4E-02	4.3E-11

2.8E+01	1.9E-07	1.0E-03	5.5E-09	1.6E-01	1.4E-02	1.2E-11	2.3E+01	6.0E-07	1.0E-03	1.4E-08	1.6E-01	1.4E-02	3.1E-11
2.3E+01	1.9E-07	1.0E-03	4.6E-09	1.6E-01	1.4E-02	1.0E-11	6.8E+01	6.0E-07	1.0E-03	4.3E-08	1.6E-01	1.4E-02	9.2E-11
2.0E+01	1.9E-07	1.0E-03	3.9E-09	1.6E-01	1.4E-02	8.5E-12	4.6E+01	6.0E-07	1.0E-03	2.9E-08	1.6E-01	1.4E-02	6.3E-11
1.7E+01	1.9E-07	1.0E-03	3.4E-09	1.6E-01	1.4E-02	7.3E-12	3.4E+01	6.0E-07	1.0E-03	2.2E-08	1.6E-01	1.4E-02	4.6E-11
1.5E+01	1.9E-07	1.0E-03	2.9E-09	1.6E-01	1.4E-02	6.3E-12	2.7E+01	6.0E-07	1.0E-03	1.7E-08	1.6E-01	1.4E-02	3.6E-11
1.3E+01	1.9E-07	1.0E-03	2.6E-09	1.6E-01	1.4E-02	5.5E-12	2.1E+01	6.0E-07	1.0E-03	1.3E-08	1.6E-01	1.4E-02	2.9E-11
1.1E+01	1.9E-07	1.0E-03	2.2E-09	1.6E-01	1.4E-02	4.8E-12	1.8E+01	6.0E-07	1.0E-03	1.1E-08	1.6E-01	1.4E-02	2.4E-11
9.9E+00	1.9E-07	1.0E-03	2.0E-09	1.6E-01	1.4E-02	4.2E-12	1.5E+01	6.0E-07	1.0E-03	9.2E-09	1.6E-01	1.4E-02	2.0E-11
8.8E+00	1.9E-07	1.0E-03	1.7E-09	1.6E-01	1.4E-02	3.8E-12	1.2E+01	6.0E-07	1.0E-03	7.8E-09	1.6E-01	1.4E-02	1.7E-11
7.8E+00	1.9E-07	1.0E-03	1.6E-09	1.6E-01	1.4E-02	3.3E-12	1.1E+01	6.0E-07	1.0E-03	6.6E-09	1.6E-01	1.4E-02	1.4E-11
7.0E+00	1.9E-07	1.0E-03	1.4E-09	1.6E-01	1.4E-02	3.0E-12	9.2E+00	6.0E-07	1.0E-03	5.7E-09	1.6E-01	1.4E-02	1.2E-11
6.3E+00	1.9E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.7E-12	8.0E+00	6.0E-07	1.0E-03	5.0E-09	1.6E-01	1.4E-02	1.1E-11
5.7E+00	1.9E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.4E-12	7.0E+00	6.0E-07	1.0E-03	4.4E-09	1.6E-01	1.4E-02	9.5E-12
5.2E+00	1.9E-07	1.0E-03	1.0E-09	1.6E-01	1.4E-02	2.2E-12	6.3E+00	6.0E-07	1.0E-03	3.9E-09	1.6E-01	1.4E-02	8.5E-12
4.7E+00	1.9E-07	1.0E-03	9.4E-10	1.6E-01	1.4E-02	2.0E-12	5.6E+00	6.0E-07	1.0E-03	3.5E-09	1.6E-01	1.4E-02	7.6E-12
2.5E+01	1.9E-07	1.0E-03	5.0E-09	1.6E-01	1.4E-02	1.1E-11	1.9E+01	6.0E-07	1.0E-03	1.2E-08	1.6E-01	1.4E-02	2.6E-11
3.6E+01	1.9E-07	1.0E-03	7.1E-09	1.6E-01	1.4E-02	1.5E-11	2.7E+01	6.0E-07	1.0E-03	1.7E-08	1.6E-01	1.4E-02	3.7E-11
5.3E+01	1.9E-07	1.0E-03	1.1E-08	1.6E-01	1.4E-02	2.3E-11	4.2E+01	6.0E-07	1.0E-03	2.6E-08	1.6E-01	1.4E-02	5.6E-11
2.8E+01	1.9E-07	1.0E-03	5.5E-09	1.6E-01	1.4E-02	1.2E-11	1.3E+01	6.0E-07	1.0E-03	8.3E-09	1.6E-01	1.4E-02	1.8E-11
3.4E+01	1.9E-07	1.0E-03	6.8E-09	1.6E-01	1.4E-02	1.5E-11	2.0E+01	6.0E-07	1.0E-03	1.2E-08	1.6E-01	1.4E-02	2.7E-11
1.3E+01	1.9E-07	1.0E-03	2.6E-09	1.6E-01	1.4E-02	5.6E-12	2.1E+01	6.0E-07	1.0E-03	1.3E-08	1.6E-01	1.4E-02	2.8E-11
1.1E+01	1.9E-07	1.0E-03	2.3E-09	1.6E-01	1.4E-02	4.9E-12	1.7E+01	6.0E-07	1.0E-03	1.1E-08	1.6E-01	1.4E-02	2.3E-11
1.0E+01	1.9E-07	1.0E-03	2.0E-09	1.6E-01	1.4E-02	4.3E-12	1.4E+01	6.0E-07	1.0E-03	8.8E-09	1.6E-01	1.4E-02	1.9E-11
8.8E+00	1.9E-07	1.0E-03	1.8E-09	1.6E-01	1.4E-02	3.8E-12	1.2E+01	6.0E-07	1.0E-03	7.4E-09	1.6E-01	1.4E-02	1.6E-11
7.8E+00	1.9E-07	1.0E-03	1.6E-09	1.6E-01	1.4E-02	3.3E-12	1.0E+01	6.0E-07	1.0E-03	6.4E-09	1.6E-01	1.4E-02	1.4E-11
7.0E+00	1.9E-07	1.0E-03	1.4E-09	1.6E-01	1.4E-02	3.0E-12	8.8E+00	6.0E-07	1.0E-03	5.5E-09	1.6E-01	1.4E-02	1.2E-11
6.3E+00	1.9E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.7E-12	7.7E+00	6.0E-07	1.0E-03	4.8E-09	1.6E-01	1.4E-02	1.0E-11
5.6E+00	1.9E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.4E-12	6.8E+00	6.0E-07	1.0E-03	4.2E-09	1.6E-01	1.4E-02	9.1E-12
5.1E+00	1.9E-07	1.0E-03	1.0E-09	1.6E-01	1.4E-02	2.2E-12	6.0E+00	6.0E-07	1.0E-03	3.8E-09	1.6E-01	1.4E-02	8.1E-12
4.6E+00	1.9E-07	1.0E-03	9.2E-10	1.6E-01	1.4E-02	2.0E-12	5.4E+00	6.0E-07	1.0E-03	3.4E-09	1.6E-01	1.4E-02	7.3E-12
2.9E+01	1.9E-07	1.0E-03	5.7E-09	1.6E-01	1.4E-02	1.2E-11	1.8E+01	6.0E-07	1.0E-03	1.1E-08	1.6E-01	1.4E-02	2.5E-11
4.2E+01	1.9E-07	1.0E-03	8.3E-09	1.6E-01	1.4E-02	1.8E-11	2.6E+01	6.0E-07	1.0E-03	1.6E-08	1.6E-01	1.4E-02	3.4E-11
6.4E+01	1.9E-07	1.0E-03	1.3E-08	1.6E-01	1.4E-02	2.8E-11	3.8E+01	6.0E-07	1.0E-03	2.4E-08	1.6E-01	1.4E-02	5.1E-11
4.2E+01	1.9E-07	1.0E-03	8.4E-09	1.6E-01	1.4E-02	1.8E-11	1.2E+01	6.0E-07	1.0E-03	7.8E-09	1.6E-01	1.4E-02	1.7E-11
5.7E+01	1.9E-07	1.0E-03	1.1E-08	1.6E-01	1.4E-02	2.4E-11	1.8E+01	6.0E-07	1.0E-03	1.2E-08	1.6E-01	1.4E-02	2.5E-11
1.3E+01	1.9E-07	1.0E-03	2.6E-09	1.6E-01	1.4E-02	5.7E-12	1.9E+01	6.0E-07	1.0E-03	1.2E-08	1.6E-01	1.4E-02	2.6E-11
1.1E+01	1.9E-07	1.0E-03	2.3E-09	1.6E-01	1.4E-02	4.9E-12	1.6E+01	6.0E-07	1.0E-03	9.9E-09	1.6E-01	1.4E-02	2.1E-11
1.0E+01	1.9E-07	1.0E-03	2.0E-09	1.6E-01	1.4E-02	4.3E-12	1.3E+01	6.0E-07	1.0E-03	8.3E-09	1.6E-01	1.4E-02	1.8E-11
8.8E+00	1.9E-07	1.0E-03	1.7E-09	1.6E-01	1.4E-02	3.7E-12	1.1E+01	6.0E-07	1.0E-03	7.0E-09	1.6E-01	1.4E-02	1.5E-11
7.7E+00	1.9E-07	1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.3E-12	9.6E+00	6.0E-07	1.0E-03	6.0E-09	1.6E-01	1.4E-02	1.3E-11
6.9E+00	1.9E-07	1.0E-03	1.4E-09	1.6E-01	1.4E-02	2.9E-12	8.3E+00	6.0E-07	1.0E-03	5.2E-09	1.6E-01	1.4E-02	1.1E-11
6.1E+00	1.9E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.6E-12	7.3E+00	6.0E-07	1.0E-03	4.6E-09	1.6E-01	1.4E-02	9.8E-12
5.5E+00	1.9E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.4E-12	6.4E+00	6.0E-07	1.0E-03	4.0E-09	1.6E-01	1.4E-02	8.7E-12
5.0E+00	1.9E-07	1.0E-03	9.9E-10	1.6E-01	1.4E-02	2.1E-12	5.7E+00	6.0E-07	1.0E-03	3.6E-09	1.6E-01	1.4E-02	7.7E-12
4.5E+00	1.9E-07	1.0E-03	9.0E-10	1.6E-01	1.4E-02	1.9E-12	5.1E+00	6.0E-07	1.0E-03	3.2E-09	1.6E-01	1.4E-02	6.9E-12
3.1E+01	1.9E-07	1.0E-03	6.2E-09	1.6E-01	1.4E-02	1.3E-11	1.6E+01	6.0E-07	1.0E-03	1.0E-08	1.6E-01	1.4E-02	2.2E-11

4.5E+01	1.9E-07	1.0E-03	9.0E-09	1.6E-01	1.4E-02	1.9E-11	2.2E+01	6.0E-07	1.0E-03	1.4E-08	1.6E-01	1.4E-02	3.0E-11
7.1E+01	1.9E-07	1.0E-03	1.4E-08	1.6E-01	1.4E-02	3.1E-11	3.1E+01	6.0E-07	1.0E-03	1.9E-08	1.6E-01	1.4E-02	4.2E-11
1.7E+01	1.9E-07	1.0E-03	3.3E-09	1.6E-01	1.4E-02	7.1E-12	4.5E+01	6.0E-07	1.0E-03	2.8E-08	1.6E-01	1.4E-02	6.1E-11
2.0E+01	1.9E-07	1.0E-03	4.0E-09	1.6E-01	1.4E-02	8.7E-12	1.5E+01	6.0E-07	1.0E-03	9.6E-09	1.6E-01	1.4E-02	2.1E-11
1.3E+01	1.9E-07	1.0E-03	2.6E-09	1.6E-01	1.4E-02	5.6E-12	1.7E+01	6.0E-07	1.0E-03	1.1E-08	1.6E-01	1.4E-02	2.3E-11
1.1E+01	1.9E-07	1.0E-03	2.2E-09	1.6E-01	1.4E-02	4.8E-12	1.4E+01	6.0E-07	1.0E-03	9.0E-09	1.6E-01	1.4E-02	1.9E-11
9.8E+00	1.9E-07	1.0E-03	2.0E-09	1.6E-01	1.4E-02	4.2E-12	1.2E+01	6.0E-07	1.0E-03	7.6E-09	1.6E-01	1.4E-02	1.6E-11
8.6E+00	1.9E-07	1.0E-03	1.7E-09	1.6E-01	1.4E-02	3.7E-12	1.0E+01	6.0E-07	1.0E-03	6.5E-09	1.6E-01	1.4E-02	1.4E-11
7.6E+00	1.9E-07	1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.2E-12	9.0E+00	6.0E-07	1.0E-03	5.6E-09	1.6E-01	1.4E-02	1.2E-11
6.7E+00	1.9E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.9E-12	7.8E+00	6.0E-07	1.0E-03	4.9E-09	1.6E-01	1.4E-02	1.1E-11
6.0E+00	1.9E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.6E-12	6.9E+00	6.0E-07	1.0E-03	4.3E-09	1.6E-01	1.4E-02	9.3E-12
5.4E+00	1.9E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.3E-12	6.1E+00	6.0E-07	1.0E-03	3.8E-09	1.6E-01	1.4E-02	8.2E-12
4.9E+00	1.9E-07	1.0E-03	9.6E-10	1.6E-01	1.4E-02	2.1E-12	5.4E+00	6.0E-07	1.0E-03	3.4E-09	1.6E-01	1.4E-02	7.3E-12
4.4E+00	1.9E-07	1.0E-03	8.8E-10	1.6E-01	1.4E-02	1.9E-12	4.9E+00	6.0E-07	1.0E-03	3.0E-09	1.6E-01	1.4E-02	6.6E-12
3.2E+01	1.9E-07	1.0E-03	6.4E-09	1.6E-01	1.4E-02	1.4E-11	1.5E+01	6.0E-07	1.0E-03	9.1E-09	1.6E-01	1.4E-02	2.0E-11
4.7E+01	1.9E-07	1.0E-03	9.4E-09	1.6E-01	1.4E-02	2.0E-11	1.9E+01	6.0E-07	1.0E-03	1.2E-08	1.6E-01	1.4E-02	2.5E-11
7.5E+01	1.9E-07	1.0E-03	1.5E-08	1.6E-01	1.4E-02	3.2E-11	2.5E+01	6.0E-07	1.0E-03	1.6E-08	1.6E-01	1.4E-02	3.3E-11
6.2E+01	1.9E-07	1.0E-03	1.2E-08	1.6E-01	1.4E-02	2.7E-11	3.3E+01	6.0E-07	1.0E-03	2.1E-08	1.6E-01	1.4E-02	4.4E-11
3.4E+01	1.9E-07	1.0E-03	6.7E-09	1.6E-01	1.4E-02	1.4E-11	4.4E+01	6.0E-07	1.0E-03	2.7E-08	1.6E-01	1.4E-02	5.9E-11
1.3E+01	1.9E-07	1.0E-03	2.5E-09	1.6E-01	1.4E-02	5.5E-12	1.5E+01	6.0E-07	1.0E-03	9.6E-09	1.6E-01	1.4E-02	2.1E-11
1.1E+01	1.9E-07	1.0E-03	2.2E-09	1.6E-01	1.4E-02	4.7E-12	1.3E+01	6.0E-07	1.0E-03	8.1E-09	1.6E-01	1.4E-02	1.8E-11
9.5E+00	1.9E-07	1.0E-03	1.9E-09	1.6E-01	1.4E-02	4.1E-12	1.1E+01	6.0E-07	1.0E-03	7.0E-09	1.6E-01	1.4E-02	1.5E-11
8.3E+00	1.9E-07	1.0E-03	1.7E-09	1.6E-01	1.4E-02	3.6E-12	9.6E+00	6.0E-07	1.0E-03	6.0E-09	1.6E-01	1.4E-02	1.3E-11
7.3E+00	1.9E-07	1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.1E-12	8.3E+00	6.0E-07	1.0E-03	5.2E-09	1.6E-01	1.4E-02	1.1E-11
6.5E+00	1.9E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.8E-12	7.3E+00	6.0E-07	1.0E-03	4.6E-09	1.6E-01	1.4E-02	9.8E-12
5.8E+00	1.9E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.5E-12	6.4E+00	6.0E-07	1.0E-03	4.0E-09	1.6E-01	1.4E-02	8.7E-12
5.2E+00	1.9E-07	1.0E-03	1.0E-09	1.6E-01	1.4E-02	2.2E-12	5.7E+00	6.0E-07	1.0E-03	3.6E-09	1.6E-01	1.4E-02	7.7E-12
4.7E+00	1.9E-07	1.0E-03	9.3E-10	1.6E-01	1.4E-02	2.0E-12	5.1E+00	6.0E-07	1.0E-03	3.2E-09	1.6E-01	1.4E-02	6.9E-12
4.3E+00	1.9E-07	1.0E-03	8.5E-10	1.6E-01	1.4E-02	1.8E-12	4.6E+00	6.0E-07	1.0E-03	2.9E-09	1.6E-01	1.4E-02	6.2E-12
3.2E+01	1.9E-07	1.0E-03	6.3E-09	1.6E-01	1.4E-02	1.4E-11	1.3E+01	6.0E-07	1.0E-03	7.9E-09	1.6E-01	1.4E-02	1.7E-11
4.7E+01	1.9E-07	1.0E-03	9.4E-09	1.6E-01	1.4E-02	2.0E-11	1.6E+01	6.0E-07	1.0E-03	9.8E-09	1.6E-01	1.4E-02	2.1E-11
7.4E+01	1.9E-07	1.0E-03	1.5E-08	1.6E-01	1.4E-02	3.2E-11	2.0E+01	6.0E-07	1.0E-03	1.2E-08	1.6E-01	1.4E-02	2.6E-11
6.2E+01	1.9E-07	1.0E-03	1.2E-08	1.6E-01	1.4E-02	2.7E-11	2.4E+01	6.0E-07	1.0E-03	1.5E-08	1.6E-01	1.4E-02	3.3E-11
3.0E+01	1.9E-07	1.0E-03	5.9E-09	1.6E-01	1.4E-02	1.3E-11	3.0E+01	6.0E-07	1.0E-03	1.9E-08	1.6E-01	1.4E-02	4.1E-11
1.2E+01	1.9E-07	1.0E-03	2.4E-09	1.6E-01	1.4E-02	5.2E-12	1.3E+01	6.0E-07	1.0E-03	8.4E-09	1.6E-01	1.4E-02	1.8E-11
1.1E+01	1.9E-07	1.0E-03	2.1E-09	1.6E-01	1.4E-02	4.5E-12	1.2E+01	6.0E-07	1.0E-03	7.3E-09	1.6E-01	1.4E-02	1.6E-11
9.1E+00	1.9E-07	1.0E-03	1.8E-09	1.6E-01	1.4E-02	3.9E-12	1.0E+01	6.0E-07	1.0E-03	6.3E-09	1.6E-01	1.4E-02	1.4E-11
8.0E+00	1.9E-07	1.0E-03	1.6E-09	1.6E-01	1.4E-02	3.4E-12	8.7E+00	6.0E-07	1.0E-03	5.5E-09	1.6E-01	1.4E-02	1.2E-11
7.0E+00	1.9E-07	1.0E-03	1.4E-09	1.6E-01	1.4E-02	3.0E-12	7.7E+00	6.0E-07	1.0E-03	4.8E-09	1.6E-01	1.4E-02	1.0E-11
6.2E+00	1.9E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.7E-12	6.8E+00	6.0E-07	1.0E-03	4.2E-09	1.6E-01	1.4E-02	9.1E-12
5.6E+00	1.9E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.4E-12	6.0E+00	6.0E-07	1.0E-03	3.8E-09	1.6E-01	1.4E-02	8.1E-12
5.0E+00	1.9E-07	1.0E-03	9.9E-10	1.6E-01	1.4E-02	2.1E-12	5.3E+00	6.0E-07	1.0E-03	3.4E-09	1.6E-01	1.4E-02	7.2E-12
4.5E+00	1.9E-07	1.0E-03	9.0E-10	1.6E-01	1.4E-02	1.9E-12	4.8E+00	6.0E-07	1.0E-03	3.0E-09	1.6E-01	1.4E-02	6.5E-12
4.1E+00	1.9E-07	1.0E-03	8.1E-10	1.6E-01	1.4E-02	1.7E-12	4.3E+00	6.0E-07	1.0E-03	2.7E-09	1.6E-01	1.4E-02	5.8E-12
3.0E+01	1.9E-07	1.0E-03	6.0E-09	1.6E-01	1.4E-02	1.3E-11	1.1E+01	6.0E-07	1.0E-03	6.7E-09	1.6E-01	1.4E-02	1.4E-11
4.5E+01	1.9E-07	1.0E-03	8.9E-09	1.6E-01	1.4E-02	1.9E-11	1.3E+01	6.0E-07	1.0E-03	8.1E-09	1.6E-01	1.4E-02	1.7E-11

7.0E+01	1.9E-07	1.0E-03	1.4E-08	1.6E-01	1.4E-02	3.0E-11	1.6E+01	6.0E-07	1.0E-03	9.9E-09	1.6E-01	1.4E-02	2.1E-11
1.5E+01	1.9E-07	1.0E-03	3.0E-09	1.6E-01	1.4E-02	6.4E-12	1.9E+01	6.0E-07	1.0E-03	1.2E-08	1.6E-01	1.4E-02	2.5E-11
1.8E+01	1.9E-07	1.0E-03	3.5E-09	1.6E-01	1.4E-02	7.6E-12	2.2E+01	6.0E-07	1.0E-03	1.4E-08	1.6E-01	1.4E-02	3.0E-11
1.2E+01	1.9E-07	1.0E-03	2.3E-09	1.6E-01	1.4E-02	4.9E-12	1.2E+01	6.0E-07	1.0E-03	7.4E-09	1.6E-01	1.4E-02	1.6E-11
1.0E+01	1.9E-07	1.0E-03	2.0E-09	1.6E-01	1.4E-02	4.3E-12	1.0E+01	6.0E-07	1.0E-03	6.5E-09	1.6E-01	1.4E-02	1.4E-11
8.7E+00	1.9E-07	1.0E-03	1.7E-09	1.6E-01	1.4E-02	3.7E-12	9.0E+00	6.0E-07	1.0E-03	5.7E-09	1.6E-01	1.4E-02	1.2E-11
7.6E+00	1.9E-07	1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.3E-12	7.9E+00	6.0E-07	1.0E-03	5.0E-09	1.6E-01	1.4E-02	1.1E-11
6.7E+00	1.9E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.9E-12	7.0E+00	6.0E-07	1.0E-03	4.4E-09	1.6E-01	1.4E-02	9.5E-12
6.0E+00	1.9E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.6E-12	6.2E+00	6.0E-07	1.0E-03	3.9E-09	1.6E-01	1.4E-02	8.4E-12
5.3E+00	1.9E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.3E-12	5.6E+00	6.0E-07	1.0E-03	3.5E-09	1.6E-01	1.4E-02	7.5E-12
4.8E+00	1.9E-07	1.0E-03	9.5E-10	1.6E-01	1.4E-02	2.1E-12	5.0E+00	6.0E-07	1.0E-03	3.1E-09	1.6E-01	1.4E-02	6.8E-12
4.3E+00	1.9E-07	1.0E-03	8.6E-10	1.6E-01	1.4E-02	1.8E-12	4.5E+00	6.0E-07	1.0E-03	2.8E-09	1.6E-01	1.4E-02	6.1E-12
3.9E+00	1.9E-07	1.0E-03	7.8E-10	1.6E-01	1.4E-02	1.7E-12	4.1E+00	6.0E-07	1.0E-03	2.6E-09	1.6E-01	1.4E-02	5.5E-12
2.8E+01	1.9E-07	1.0E-03	5.5E-09	1.6E-01	1.4E-02	1.2E-11	9.1E+00	6.0E-07	1.0E-03	5.7E-09	1.6E-01	1.4E-02	1.2E-11
4.0E+01	1.9E-07	1.0E-03	7.9E-09	1.6E-01	1.4E-02	1.7E-11	1.1E+01	6.0E-07	1.0E-03	6.7E-09	1.6E-01	1.4E-02	1.4E-11
6.1E+01	1.9E-07	1.0E-03	1.2E-08	1.6E-01	1.4E-02	2.6E-11	1.3E+01	6.0E-07	1.0E-03	7.9E-09	1.6E-01	1.4E-02	1.7E-11
3.9E+01	1.9E-07	1.0E-03	7.7E-09	1.6E-01	1.4E-02	1.7E-11	1.5E+01	6.0E-07	1.0E-03	9.3E-09	1.6E-01	1.4E-02	2.0E-11
5.0E+01	1.9E-07	1.0E-03	1.0E-08	1.6E-01	1.4E-02	2.2E-11	1.7E+01	6.0E-07	1.0E-03	1.1E-08	1.6E-01	1.4E-02	2.3E-11
1.1E+01	1.9E-07	1.0E-03	2.1E-09	1.6E-01	1.4E-02	4.6E-12	1.0E+01	6.0E-07	1.0E-03	6.5E-09	1.6E-01	1.4E-02	1.4E-11
9.3E+00	1.9E-07	1.0E-03	1.9E-09	1.6E-01	1.4E-02	4.0E-12	9.1E+00	6.0E-07	1.0E-03	5.7E-09	1.6E-01	1.4E-02	1.2E-11
8.2E+00	1.9E-07	1.0E-03	1.6E-09	1.6E-01	1.4E-02	3.5E-12	8.1E+00	6.0E-07	1.0E-03	5.1E-09	1.6E-01	1.4E-02	1.1E-11
7.2E+00	1.9E-07	1.0E-03	1.4E-09	1.6E-01	1.4E-02	3.1E-12	7.2E+00	6.0E-07	1.0E-03	4.5E-09	1.6E-01	1.4E-02	9.8E-12
6.3E+00	1.9E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.7E-12	6.4E+00	6.0E-07	1.0E-03	4.0E-09	1.6E-01	1.4E-02	8.7E-12
5.7E+00	1.9E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.4E-12	5.8E+00	6.0E-07	1.0E-03	3.6E-09	1.6E-01	1.4E-02	7.8E-12
5.1E+00	1.9E-07	1.0E-03	1.0E-09	1.6E-01	1.4E-02	2.2E-12	5.2E+00	6.0E-07	1.0E-03	3.3E-09	1.6E-01	1.4E-02	7.0E-12
4.6E+00	1.9E-07	1.0E-03	9.1E-10	1.6E-01	1.4E-02	2.0E-12	4.7E+00	6.0E-07	1.0E-03	2.9E-09	1.6E-01	1.4E-02	6.3E-12
4.1E+00	1.9E-07	1.0E-03	8.2E-10	1.6E-01	1.4E-02	1.8E-12	4.2E+00	6.0E-07	1.0E-03	2.7E-09	1.6E-01	1.4E-02	5.7E-12
3.7E+00	1.9E-07	1.0E-03	7.4E-10	1.6E-01	1.4E-02	1.6E-12	3.9E+00	6.0E-07	1.0E-03	2.4E-09	1.6E-01	1.4E-02	5.2E-12
2.4E+01	1.9E-07	1.0E-03	4.8E-09	1.6E-01	1.4E-02	1.0E-11	7.8E+00	6.0E-07	1.0E-03	4.9E-09	1.6E-01	1.4E-02	1.0E-11
3.4E+01	1.9E-07	1.0E-03	6.7E-09	1.6E-01	1.4E-02	1.4E-11	9.0E+00	6.0E-07	1.0E-03	5.6E-09	1.6E-01	1.4E-02	1.2E-11
5.0E+01	1.9E-07	1.0E-03	9.8E-09	1.6E-01	1.4E-02	2.1E-11	1.0E+01	6.0E-07	1.0E-03	6.5E-09	1.6E-01	1.4E-02	1.4E-11
2.6E+01	1.9E-07	1.0E-03	5.1E-09	1.6E-01	1.4E-02	1.1E-11	1.2E+01	6.0E-07	1.0E-03	7.5E-09	1.6E-01	1.4E-02	1.6E-11
3.1E+01	1.9E-07	1.0E-03	6.1E-09	1.6E-01	1.4E-02	1.3E-11	1.4E+01	6.0E-07	1.0E-03	8.6E-09	1.6E-01	1.4E-02	1.9E-11
9.9E+00	1.9E-07	1.0E-03	2.0E-09	1.6E-01	1.4E-02	4.3E-12	9.1E+00	6.0E-07	1.0E-03	5.7E-09	1.6E-01	1.4E-02	1.2E-11
8.7E+00	1.9E-07	1.0E-03	1.7E-09	1.6E-01	1.4E-02	3.7E-12	8.1E+00	6.0E-07	1.0E-03	5.1E-09	1.6E-01	1.4E-02	1.1E-11
7.6E+00	1.9E-07	1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.3E-12	7.3E+00	6.0E-07	1.0E-03	4.6E-09	1.6E-01	1.4E-02	9.9E-12
6.7E+00	1.9E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.9E-12	6.6E+00	6.0E-07	1.0E-03	4.1E-09	1.6E-01	1.4E-02	8.9E-12
6.0E+00	1.9E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.6E-12	5.9E+00	6.0E-07	1.0E-03	3.7E-09	1.6E-01	1.4E-02	8.0E-12
5.3E+00	1.9E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.3E-12	5.3E+00	6.0E-07	1.0E-03	3.4E-09	1.6E-01	1.4E-02	7.2E-12
4.8E+00	1.9E-07	1.0E-03	9.5E-10	1.6E-01	1.4E-02	2.1E-12	4.8E+00	6.0E-07	1.0E-03	3.0E-09	1.6E-01	1.4E-02	6.5E-12
4.3E+00	1.9E-07	1.0E-03	8.6E-10	1.6E-01	1.4E-02	1.9E-12	4.4E+00	6.0E-07	1.0E-03	2.8E-09	1.6E-01	1.4E-02	5.9E-12
3.9E+00	1.9E-07	1.0E-03	7.8E-10	1.6E-01	1.4E-02	1.7E-12	4.0E+00	6.0E-07	1.0E-03	2.5E-09	1.6E-01	1.4E-02	5.4E-12
3.6E+00	1.9E-07	1.0E-03	7.1E-10	1.6E-01	1.4E-02	1.5E-12	3.6E+00	6.0E-07	1.0E-03	2.3E-09	1.6E-01	1.4E-02	4.9E-12
2.0E+01	1.9E-07	1.0E-03	4.1E-09	1.6E-01	1.4E-02	8.7E-12	6.7E+00	6.0E-07	1.0E-03	4.2E-09	1.6E-01	1.4E-02	9.1E-12
2.7E+01	1.9E-07	1.0E-03	5.4E-09	1.6E-01	1.4E-02	1.2E-11	7.7E+00	6.0E-07	1.0E-03	4.8E-09	1.6E-01	1.4E-02	1.0E-11
3.8E+01	1.9E-07	1.0E-03	7.5E-09	1.6E-01	1.4E-02	1.6E-11	8.8E+00	6.0E-07	1.0E-03	5.5E-09	1.6E-01	1.4E-02	1.2E-11

5.3E+01	1.9E-07	1.0E-03	1.1E-08	1.6E-01	1.4E-02	2.3E-11	1.0E+01	6.0E-07	1.0E-03	6.3E-09	1.6E-01	1.4E-02	1.3E-11
2.0E+01	1.9E-07	1.0E-03	4.1E-09	1.6E-01	1.4E-02	8.7E-12	1.1E+01	6.0E-07	1.0E-03	7.0E-09	1.6E-01	1.4E-02	1.5E-11
9.1E+00	1.9E-07	1.0E-03	1.8E-09	1.6E-01	1.4E-02	3.9E-12	8.0E+00	6.0E-07	1.0E-03	5.0E-09	1.6E-01	1.4E-02	1.1E-11
8.0E+00	1.9E-07	1.0E-03	1.6E-09	1.6E-01	1.4E-02	3.4E-12	7.3E+00	6.0E-07	1.0E-03	4.6E-09	1.6E-01	1.4E-02	9.8E-12
7.1E+00	1.9E-07	1.0E-03	1.4E-09	1.6E-01	1.4E-02	3.0E-12	6.6E+00	6.0E-07	1.0E-03	4.1E-09	1.6E-01	1.4E-02	8.9E-12
6.3E+00	1.9E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.7E-12	6.0E+00	6.0E-07	1.0E-03	3.8E-09	1.6E-01	1.4E-02	8.1E-12
5.6E+00	1.9E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.4E-12	5.4E+00	6.0E-07	1.0E-03	3.4E-09	1.6E-01	1.4E-02	7.3E-12
5.0E+00	1.9E-07	1.0E-03	1.0E-09	1.6E-01	1.4E-02	2.1E-12	4.9E+00	6.0E-07	1.0E-03	3.1E-09	1.6E-01	1.4E-02	6.7E-12
4.5E+00	1.9E-07	1.0E-03	9.0E-10	1.6E-01	1.4E-02	1.9E-12	4.5E+00	6.0E-07	1.0E-03	2.8E-09	1.6E-01	1.4E-02	6.1E-12
4.1E+00	1.9E-07	1.0E-03	8.2E-10	1.6E-01	1.4E-02	1.8E-12	4.1E+00	6.0E-07	1.0E-03	2.6E-09	1.6E-01	1.4E-02	5.5E-12
3.7E+00	1.9E-07	1.0E-03	7.4E-10	1.6E-01	1.4E-02	1.6E-12	3.8E+00	6.0E-07	1.0E-03	2.4E-09	1.6E-01	1.4E-02	5.1E-12
3.4E+00	1.9E-07	1.0E-03	6.8E-10	1.6E-01	1.4E-02	1.5E-12	3.4E+00	6.0E-07	1.0E-03	2.2E-09	1.6E-01	1.4E-02	4.6E-12
1.7E+01	1.9E-07	1.0E-03	3.4E-09	1.6E-01	1.4E-02	7.2E-12	5.9E+00	6.0E-07	1.0E-03	3.7E-09	1.6E-01	1.4E-02	7.9E-12
2.2E+01	1.9E-07	1.0E-03	4.3E-09	1.6E-01	1.4E-02	9.2E-12	6.6E+00	6.0E-07	1.0E-03	4.1E-09	1.6E-01	1.4E-02	8.9E-12
2.8E+01	1.9E-07	1.0E-03	5.5E-09	1.6E-01	1.4E-02	1.2E-11	7.4E+00	6.0E-07	1.0E-03	4.6E-09	1.6E-01	1.4E-02	1.0E-11
3.6E+01	1.9E-07	1.0E-03	7.1E-09	1.6E-01	1.4E-02	1.5E-11	8.3E+00	6.0E-07	1.0E-03	5.2E-09	1.6E-01	1.4E-02	1.1E-11
4.3E+01	1.9E-07	1.0E-03	8.4E-09	1.6E-01	1.4E-02	1.8E-11	9.2E+00	6.0E-07	1.0E-03	5.8E-09	1.6E-01	1.4E-02	1.2E-11
8.3E+00	1.9E-07	1.0E-03	1.7E-09	1.6E-01	1.4E-02	3.6E-12	7.1E+00	6.0E-07	1.0E-03	4.5E-09	1.6E-01	1.4E-02	9.7E-12
7.4E+00	1.9E-07	1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.2E-12	6.6E+00	6.0E-07	1.0E-03	4.1E-09	1.6E-01	1.4E-02	8.9E-12
6.5E+00	1.9E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.8E-12	6.0E+00	6.0E-07	1.0E-03	3.8E-09	1.6E-01	1.4E-02	8.1E-12
5.8E+00	1.9E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.5E-12	5.5E+00	6.0E-07	1.0E-03	3.4E-09	1.6E-01	1.4E-02	7.4E-12
5.2E+00	1.9E-07	1.0E-03	1.0E-09	1.6E-01	1.4E-02	2.2E-12	5.0E+00	6.0E-07	1.0E-03	3.1E-09	1.6E-01	1.4E-02	6.8E-12
4.7E+00	1.9E-07	1.0E-03	9.4E-10	1.6E-01	1.4E-02	2.0E-12	4.6E+00	6.0E-07	1.0E-03	2.9E-09	1.6E-01	1.4E-02	6.2E-12
4.3E+00	1.9E-07	1.0E-03	8.5E-10	1.6E-01	1.4E-02	1.8E-12	4.2E+00	6.0E-07	1.0E-03	2.6E-09	1.6E-01	1.4E-02	5.7E-12
3.9E+00	1.9E-07	1.0E-03	7.7E-10	1.6E-01	1.4E-02	1.7E-12	3.8E+00	6.0E-07	1.0E-03	2.4E-09	1.6E-01	1.4E-02	5.2E-12
3.5E+00	1.9E-07	1.0E-03	7.0E-10	1.6E-01	1.4E-02	1.5E-12	3.5E+00	6.0E-07	1.0E-03	2.2E-09	1.6E-01	1.4E-02	4.8E-12
3.2E+00	1.9E-07	1.0E-03	6.4E-10	1.6E-01	1.4E-02	1.4E-12	3.2E+00	6.0E-07	1.0E-03	2.0E-09	1.6E-01	1.4E-02	4.4E-12
1.4E+01	1.9E-07	1.0E-03	2.8E-09	1.6E-01	1.4E-02	6.0E-12	5.2E+00	6.0E-07	1.0E-03	3.2E-09	1.6E-01	1.4E-02	7.0E-12
1.7E+01	1.9E-07	1.0E-03	3.4E-09	1.6E-01	1.4E-02	7.3E-12	5.8E+00	6.0E-07	1.0E-03	3.6E-09	1.6E-01	1.4E-02	7.8E-12
2.1E+01	1.9E-07	1.0E-03	4.2E-09	1.6E-01	1.4E-02	9.0E-12	6.4E+00	6.0E-07	1.0E-03	4.0E-09	1.6E-01	1.4E-02	8.7E-12
2.5E+01	1.9E-07	1.0E-03	5.0E-09	1.6E-01	1.4E-02	1.1E-11	7.1E+00	6.0E-07	1.0E-03	4.4E-09	1.6E-01	1.4E-02	9.6E-12
2.8E+01	1.9E-07	1.0E-03	5.6E-09	1.6E-01	1.4E-02	1.2E-11	7.8E+00	6.0E-07	1.0E-03	4.9E-09	1.6E-01	1.4E-02	1.0E-11
7.6E+00	1.9E-07	1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.2E-12	6.4E+00	6.0E-07	1.0E-03	4.0E-09	1.6E-01	1.4E-02	8.6E-12
6.8E+00	1.9E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.9E-12	5.9E+00	6.0E-07	1.0E-03	3.7E-09	1.6E-01	1.4E-02	8.0E-12
6.0E+00	1.9E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.6E-12	5.4E+00	6.0E-07	1.0E-03	3.4E-09	1.6E-01	1.4E-02	7.3E-12
5.4E+00	1.9E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.3E-12	5.0E+00	6.0E-07	1.0E-03	3.1E-09	1.6E-01	1.4E-02	6.7E-12
4.9E+00	1.9E-07	1.0E-03	9.6E-10	1.6E-01	1.4E-02	2.1E-12	4.6E+00	6.0E-07	1.0E-03	2.9E-09	1.6E-01	1.4E-02	6.2E-12
4.4E+00	1.9E-07	1.0E-03	8.7E-10	1.6E-01	1.4E-02	1.9E-12	4.2E+00	6.0E-07	1.0E-03	2.6E-09	1.6E-01	1.4E-02	5.7E-12
4.0E+00	1.9E-07	1.0E-03	7.9E-10	1.6E-01	1.4E-02	1.7E-12	3.9E+00	6.0E-07	1.0E-03	2.4E-09	1.6E-01	1.4E-02	5.3E-12
3.7E+00	1.9E-07	1.0E-03	7.3E-10	1.6E-01	1.4E-02	1.6E-12	3.6E+00	6.0E-07	1.0E-03	2.3E-09	1.6E-01	1.4E-02	4.9E-12
3.3E+00	1.9E-07	1.0E-03	6.6E-10	1.6E-01	1.4E-02	1.4E-12	3.3E+00	6.0E-07	1.0E-03	2.1E-09	1.6E-01	1.4E-02	4.5E-12
3.0E+00	1.9E-07	1.0E-03	6.1E-10	1.6E-01	1.4E-02	1.3E-12	3.0E+00	6.0E-07	1.0E-03	1.9E-09	1.6E-01	1.4E-02	4.1E-12
1.2E+01	1.9E-07	1.0E-03	2.3E-09	1.6E-01	1.4E-02	4.9E-12	4.6E+00	6.0E-07	1.0E-03	2.9E-09	1.6E-01	1.4E-02	6.2E-12
1.4E+01	1.9E-07	1.0E-03	2.7E-09	1.6E-01	1.4E-02	5.9E-12	5.1E+00	6.0E-07	1.0E-03	3.2E-09	1.6E-01	1.4E-02	6.8E-12
1.6E+01	1.9E-07	1.0E-03	3.2E-09	1.6E-01	1.4E-02	6.9E-12	5.6E+00	6.0E-07	1.0E-03	3.5E-09	1.6E-01	1.4E-02	7.6E-12
1.8E+01	1.9E-07	1.0E-03	3.6E-09	1.6E-01	1.4E-02	7.8E-12	6.1E+00	6.0E-07	1.0E-03	3.8E-09	1.6E-01	1.4E-02	8.3E-12

2.0E+01	1.9E-07	1.0E-03	4.0E-09	1.6E-01	1.4E-02	8.5E-12	6.6E+00	6.0E-07	1.0E-03	4.1E-09	1.6E-01	1.4E-02	8.9E-12
6.9E+00	1.9E-07	1.0E-03	1.4E-09	1.6E-01	1.4E-02	3.0E-12	5.7E+00	6.0E-07	1.0E-03	3.6E-09	1.6E-01	1.4E-02	7.7E-12
6.2E+00	1.9E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.6E-12	5.3E+00	6.0E-07	1.0E-03	3.3E-09	1.6E-01	1.4E-02	7.2E-12
5.5E+00	1.9E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.4E-12	4.9E+00	6.0E-07	1.0E-03	3.1E-09	1.6E-01	1.4E-02	6.7E-12
5.0E+00	1.9E-07	1.0E-03	9.9E-10	1.6E-01	1.4E-02	2.1E-12	4.6E+00	6.0E-07	1.0E-03	2.9E-09	1.6E-01	1.4E-02	6.2E-12
4.5E+00	1.9E-07	1.0E-03	8.9E-10	1.6E-01	1.4E-02	1.9E-12	4.2E+00	6.0E-07	1.0E-03	2.6E-09	1.6E-01	1.4E-02	5.6E-12
4.0E+00	1.9E-07	1.0E-03	8.0E-10	1.6E-01	1.4E-02	1.7E-12	3.8E+00	6.0E-07	1.0E-03	2.4E-09	1.6E-01	1.4E-02	5.2E-12
3.7E+00	1.9E-07	1.0E-03	7.3E-10	1.6E-01	1.4E-02	1.6E-12	3.6E+00	6.0E-07	1.0E-03	2.2E-09	1.6E-01	1.4E-02	4.8E-12
3.4E+00	1.9E-07	1.0E-03	6.7E-10	1.6E-01	1.4E-02	1.4E-12	3.3E+00	6.0E-07	1.0E-03	2.1E-09	1.6E-01	1.4E-02	4.5E-12
3.1E+00	1.9E-07	1.0E-03	6.2E-10	1.6E-01	1.4E-02	1.3E-12	3.1E+00	6.0E-07	1.0E-03	1.9E-09	1.6E-01	1.4E-02	4.1E-12
2.9E+00	1.9E-07	1.0E-03	5.7E-10	1.6E-01	1.4E-02	1.2E-12	2.8E+00	6.0E-07	1.0E-03	1.8E-09	1.6E-01	1.4E-02	3.8E-12
9.6E+00	1.9E-07	1.0E-03	1.9E-09	1.6E-01	1.4E-02	4.1E-12	4.1E+00	6.0E-07	1.0E-03	2.6E-09	1.6E-01	1.4E-02	5.5E-12
1.1E+01	1.9E-07	1.0E-03	2.2E-09	1.6E-01	1.4E-02	4.8E-12	4.5E+00	6.0E-07	1.0E-03	2.8E-09	1.6E-01	1.4E-02	6.1E-12
1.3E+01	1.9E-07	1.0E-03	2.5E-09	1.6E-01	1.4E-02	5.4E-12	4.9E+00	6.0E-07	1.0E-03	3.1E-09	1.6E-01	1.4E-02	6.6E-12
1.4E+01	1.9E-07	1.0E-03	2.8E-09	1.6E-01	1.4E-02	6.0E-12	5.3E+00	6.0E-07	1.0E-03	3.3E-09	1.6E-01	1.4E-02	7.2E-12
1.5E+01	1.9E-07	1.0E-03	3.0E-09	1.6E-01	1.4E-02	6.5E-12	5.7E+00	6.0E-07	1.0E-03	3.6E-09	1.6E-01	1.4E-02	7.7E-12
5.7E+00	1.9E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.4E-12	4.9E+00	6.0E-07	1.0E-03	3.0E-09	1.6E-01	1.4E-02	6.6E-12
5.1E+00	1.9E-07	1.0E-03	1.0E-09	1.6E-01	1.4E-02	2.2E-12	4.5E+00	6.0E-07	1.0E-03	2.8E-09	1.6E-01	1.4E-02	6.1E-12
4.6E+00	1.9E-07	1.0E-03	9.2E-10	1.6E-01	1.4E-02	2.0E-12	4.2E+00	6.0E-07	1.0E-03	2.6E-09	1.6E-01	1.4E-02	5.7E-12
4.1E+00	1.9E-07	1.0E-03	8.1E-10	1.6E-01	1.4E-02	1.7E-12	3.8E+00	6.0E-07	1.0E-03	2.4E-09	1.6E-01	1.4E-02	5.1E-12
3.7E+00	1.9E-07	1.0E-03	7.3E-10	1.6E-01	1.4E-02	1.6E-12	3.5E+00	6.0E-07	1.0E-03	2.2E-09	1.6E-01	1.4E-02	4.7E-12
3.4E+00	1.9E-07	1.0E-03	6.7E-10	1.6E-01	1.4E-02	1.4E-12	3.2E+00	6.0E-07	1.0E-03	2.0E-09	1.6E-01	1.4E-02	4.4E-12
3.1E+00	1.9E-07	1.0E-03	6.2E-10	1.6E-01	1.4E-02	1.3E-12	3.0E+00	6.0E-07	1.0E-03	1.9E-09	1.6E-01	1.4E-02	4.1E-12
2.9E+00	1.9E-07	1.0E-03	5.7E-10	1.6E-01	1.4E-02	1.2E-12	2.8E+00	6.0E-07	1.0E-03	1.8E-09	1.6E-01	1.4E-02	3.8E-12
2.7E+00	1.9E-07	1.0E-03	5.3E-10	1.6E-01	1.4E-02	1.1E-12	2.6E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	1.4E-02	3.6E-12
8.2E+00	1.9E-07	1.0E-03	1.6E-09	1.6E-01	1.4E-02	3.5E-12	3.7E+00	6.0E-07	1.0E-03	2.3E-09	1.6E-01	1.4E-02	5.0E-12
9.3E+00	1.9E-07	1.0E-03	1.8E-09	1.6E-01	1.4E-02	4.0E-12	4.0E+00	6.0E-07	1.0E-03	2.5E-09	1.6E-01	1.4E-02	5.4E-12
1.0E+01	1.9E-07	1.0E-03	2.0E-09	1.6E-01	1.4E-02	4.4E-12	4.3E+00	6.0E-07	1.0E-03	2.7E-09	1.6E-01	1.4E-02	5.9E-12
1.1E+01	1.9E-07	1.0E-03	2.2E-09	1.6E-01	1.4E-02	4.8E-12	4.7E+00	6.0E-07	1.0E-03	2.9E-09	1.6E-01	1.4E-02	6.3E-12
1.2E+01	1.9E-07	1.0E-03	2.4E-09	1.6E-01	1.4E-02	5.1E-12	5.0E+00	6.0E-07	1.0E-03	3.1E-09	1.6E-01	1.4E-02	6.7E-12
4.8E+00	1.9E-07	1.0E-03	9.5E-10	1.6E-01	1.4E-02	2.0E-12	4.2E+00	6.0E-07	1.0E-03	2.6E-09	1.6E-01	1.4E-02	5.6E-12
4.3E+00	1.9E-07	1.0E-03	8.6E-10	1.6E-01	1.4E-02	1.9E-12	3.9E+00	6.0E-07	1.0E-03	2.4E-09	1.6E-01	1.4E-02	5.3E-12
3.9E+00	1.9E-07	1.0E-03	7.8E-10	1.6E-01	1.4E-02	1.7E-12	3.6E+00	6.0E-07	1.0E-03	2.2E-09	1.6E-01	1.4E-02	4.8E-12
3.6E+00	1.9E-07	1.0E-03	7.1E-10	1.6E-01	1.4E-02	1.5E-12	3.3E+00	6.0E-07	1.0E-03	2.1E-09	1.6E-01	1.4E-02	4.5E-12
3.3E+00	1.9E-07	1.0E-03	6.5E-10	1.6E-01	1.4E-02	1.4E-12	3.1E+00	6.0E-07	1.0E-03	1.9E-09	1.6E-01	1.4E-02	4.2E-12
3.0E+00	1.9E-07	1.0E-03	5.9E-10	1.6E-01	1.4E-02	1.3E-12	2.9E+00	6.0E-07	1.0E-03	1.8E-09	1.6E-01	1.4E-02	3.9E-12
2.7E+00	1.9E-07	1.0E-03	5.4E-10	1.6E-01	1.4E-02	1.2E-12	2.7E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	1.4E-02	3.6E-12
2.5E+00	1.9E-07	1.0E-03	5.0E-10	1.6E-01	1.4E-02	1.1E-12	2.5E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.3E-12
7.0E+00	1.9E-07	1.0E-03	1.4E-09	1.6E-01	1.4E-02	3.0E-12	3.3E+00	6.0E-07	1.0E-03	2.1E-09	1.6E-01	1.4E-02	4.5E-12
7.8E+00	1.9E-07	1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.3E-12	3.6E+00	6.0E-07	1.0E-03	2.3E-09	1.6E-01	1.4E-02	4.9E-12
8.5E+00	1.9E-07	1.0E-03	1.7E-09	1.6E-01	1.4E-02	3.6E-12	3.9E+00	6.0E-07	1.0E-03	2.4E-09	1.6E-01	1.4E-02	5.2E-12
9.1E+00	1.9E-07	1.0E-03	1.8E-09	1.6E-01	1.4E-02	3.9E-12	4.1E+00	6.0E-07	1.0E-03	2.6E-09	1.6E-01	1.4E-02	5.6E-12
9.7E+00	1.9E-07	1.0E-03	1.9E-09	1.6E-01	1.4E-02	4.1E-12	4.4E+00	6.0E-07	1.0E-03	2.8E-09	1.6E-01	1.4E-02	5.9E-12
4.1E+00	1.9E-07	1.0E-03	8.1E-10	1.6E-01	1.4E-02	1.8E-12	3.6E+00	6.0E-07	1.0E-03	2.3E-09	1.6E-01	1.4E-02	4.9E-12
3.8E+00	1.9E-07	1.0E-03	7.5E-10	1.6E-01	1.4E-02	1.6E-12	3.4E+00	6.0E-07	1.0E-03	2.1E-09	1.6E-01	1.4E-02	4.6E-12
3.5E+00	1.9E-07	1.0E-03	6.9E-10	1.6E-01	1.4E-02	1.5E-12	3.2E+00	6.0E-07	1.0E-03	2.0E-09	1.6E-01	1.4E-02	4.3E-12

3.2E+00	1.9E-07	1.0E-03	6.3E-10	1.6E-01	1.4E-02	1.4E-12	3.0E+00	6.0E-07	1.0E-03	1.9E-09	1.6E-01	1.4E-02	4.1E-12
2.9E+00	1.9E-07	1.0E-03	5.8E-10	1.6E-01	1.4E-02	1.3E-12	2.8E+00	6.0E-07	1.0E-03	1.8E-09	1.6E-01	1.4E-02	3.8E-12
2.7E+00	1.9E-07	1.0E-03	5.3E-10	1.6E-01	1.4E-02	1.1E-12	2.6E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	1.4E-02	3.5E-12
2.4E+00	1.9E-07	1.0E-03	4.8E-10	1.6E-01	1.4E-02	1.0E-12	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.2E-12
6.0E+00	1.9E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.6E-12	3.0E+00	6.0E-07	1.0E-03	1.9E-09	1.6E-01	1.4E-02	4.1E-12
6.6E+00	1.9E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.8E-12	3.3E+00	6.0E-07	1.0E-03	2.0E-09	1.6E-01	1.4E-02	4.4E-12
7.1E+00	1.9E-07	1.0E-03	1.4E-09	1.6E-01	1.4E-02	3.1E-12	3.5E+00	6.0E-07	1.0E-03	2.2E-09	1.6E-01	1.4E-02	4.7E-12
7.6E+00	1.9E-07	1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.3E-12	3.7E+00	6.0E-07	1.0E-03	2.3E-09	1.6E-01	1.4E-02	5.0E-12
8.0E+00	1.9E-07	1.0E-03	1.6E-09	1.6E-01	1.4E-02	3.4E-12	3.9E+00	6.0E-07	1.0E-03	2.4E-09	1.6E-01	1.4E-02	5.3E-12
3.5E+00	1.9E-07	1.0E-03	7.1E-10	1.6E-01	1.4E-02	1.5E-12	3.2E+00	6.0E-07	1.0E-03	2.0E-09	1.6E-01	1.4E-02	4.3E-12
3.3E+00	1.9E-07	1.0E-03	6.5E-10	1.6E-01	1.4E-02	1.4E-12	3.0E+00	6.0E-07	1.0E-03	1.9E-09	1.6E-01	1.4E-02	4.1E-12
3.0E+00	1.9E-07	1.0E-03	6.0E-10	1.6E-01	1.4E-02	1.3E-12	2.8E+00	6.0E-07	1.0E-03	1.8E-09	1.6E-01	1.4E-02	3.8E-12
2.8E+00	1.9E-07	1.0E-03	5.6E-10	1.6E-01	1.4E-02	1.2E-12	2.7E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	1.4E-02	3.6E-12
2.6E+00	1.9E-07	1.0E-03	5.1E-10	1.6E-01	1.4E-02	1.1E-12	2.5E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	1.4E-02	3.4E-12
2.4E+00	1.9E-07	1.0E-03	4.7E-10	1.6E-01	1.4E-02	1.0E-12	2.3E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.1E-12
5.2E+00	1.9E-07	1.0E-03	1.0E-09	1.6E-01	1.4E-02	2.2E-12	2.7E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	1.4E-02	3.7E-12
5.7E+00	1.9E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.4E-12	2.9E+00	6.0E-07	1.0E-03	1.8E-09	1.6E-01	1.4E-02	4.0E-12
6.1E+00	1.9E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.6E-12	3.1E+00	6.0E-07	1.0E-03	2.0E-09	1.6E-01	1.4E-02	4.2E-12
6.5E+00	1.9E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.8E-12	3.3E+00	6.0E-07	1.0E-03	2.1E-09	1.6E-01	1.4E-02	4.5E-12
6.8E+00	1.9E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.9E-12	3.5E+00	6.0E-07	1.0E-03	2.2E-09	1.6E-01	1.4E-02	4.7E-12
3.3E+00	1.9E-07	1.0E-03	6.6E-10	1.6E-01	1.4E-02	1.4E-12	3.0E+00	6.0E-07	1.0E-03	1.9E-09	1.6E-01	1.4E-02	4.0E-12
3.1E+00	1.9E-07	1.0E-03	6.2E-10	1.6E-01	1.4E-02	1.3E-12	2.8E+00	6.0E-07	1.0E-03	1.8E-09	1.6E-01	1.4E-02	3.8E-12
2.9E+00	1.9E-07	1.0E-03	5.7E-10	1.6E-01	1.4E-02	1.2E-12	2.7E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	1.4E-02	3.6E-12
2.7E+00	1.9E-07	1.0E-03	5.3E-10	1.6E-01	1.4E-02	1.1E-12	2.5E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	1.4E-02	3.4E-12
2.5E+00	1.9E-07	1.0E-03	4.9E-10	1.6E-01	1.4E-02	1.1E-12	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.2E-12
2.3E+00	1.9E-07	1.0E-03	4.5E-10	1.6E-01	1.4E-02	9.7E-13	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	1.4E-02	3.0E-12
4.6E+00	1.9E-07	1.0E-03	9.1E-10	1.6E-01	1.4E-02	2.0E-12	2.5E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	1.4E-02	3.4E-12
4.9E+00	1.9E-07	1.0E-03	9.8E-10	1.6E-01	1.4E-02	2.1E-12	2.7E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	1.4E-02	3.6E-12
5.3E+00	1.9E-07	1.0E-03	1.0E-09	1.6E-01	1.4E-02	2.3E-12	2.8E+00	6.0E-07	1.0E-03	1.8E-09	1.6E-01	1.4E-02	3.8E-12
5.6E+00	1.9E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.4E-12	3.0E+00	6.0E-07	1.0E-03	1.9E-09	1.6E-01	1.4E-02	4.0E-12
5.8E+00	1.9E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.5E-12	3.1E+00	6.0E-07	1.0E-03	2.0E-09	1.6E-01	1.4E-02	4.2E-12
3.1E+00	1.9E-07	1.0E-03	6.2E-10	1.6E-01	1.4E-02	1.3E-12	2.8E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	1.4E-02	3.8E-12
2.9E+00	1.9E-07	1.0E-03	5.8E-10	1.6E-01	1.4E-02	1.3E-12	2.6E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	1.4E-02	3.6E-12
2.7E+00	1.9E-07	1.0E-03	5.4E-10	1.6E-01	1.4E-02	1.2E-12	2.5E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	1.4E-02	3.4E-12
2.5E+00	1.9E-07	1.0E-03	5.0E-10	1.6E-01	1.4E-02	1.1E-12	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.2E-12
2.4E+00	1.9E-07	1.0E-03	4.7E-10	1.6E-01	1.4E-02	1.0E-12	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	1.4E-02	3.0E-12
2.2E+00	1.9E-07	1.0E-03	4.4E-10	1.6E-01	1.4E-02	9.4E-13	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.9E-12
4.1E+00	1.9E-07	1.0E-03	8.1E-10	1.6E-01	1.4E-02	1.7E-12	2.3E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	1.4E-02	3.1E-12
4.3E+00	1.9E-07	1.0E-03	8.6E-10	1.6E-01	1.4E-02	1.9E-12	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.3E-12
4.6E+00	1.9E-07	1.0E-03	9.1E-10	1.6E-01	1.4E-02	2.0E-12	2.6E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	1.4E-02	3.5E-12
4.8E+00	1.9E-07	1.0E-03	9.6E-10	1.6E-01	1.4E-02	2.1E-12	2.7E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	1.4E-02	3.7E-12
5.0E+00	1.9E-07	1.0E-03	1.0E-09	1.6E-01	1.4E-02	2.2E-12	2.8E+00	6.0E-07	1.0E-03	1.8E-09	1.6E-01	1.4E-02	3.8E-12
3.0E+00	1.9E-07	1.0E-03	5.9E-10	1.6E-01	1.4E-02	1.3E-12	2.6E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	1.4E-02	3.5E-12
2.8E+00	1.9E-07	1.0E-03	5.5E-10	1.6E-01	1.4E-02	1.2E-12	2.5E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	1.4E-02	3.3E-12
2.6E+00	1.9E-07	1.0E-03	5.1E-10	1.6E-01	1.4E-02	1.1E-12	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.2E-12
2.4E+00	1.9E-07	1.0E-03	4.8E-10	1.6E-01	1.4E-02	1.0E-12	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	1.4E-02	3.0E-12

2.3E+00	1.9E-07	1.0E-03	4.5E-10	1.6E-01	1.4E-02	9.7E-13	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.9E-12
2.1E+00	1.9E-07	1.0E-03	4.2E-10	1.6E-01	1.4E-02	9.1E-13	2.0E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.7E-12
3.6E+00	1.9E-07	1.0E-03	7.2E-10	1.6E-01	1.4E-02	1.5E-12	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.9E-12
3.8E+00	1.9E-07	1.0E-03	7.6E-10	1.6E-01	1.4E-02	1.6E-12	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	1.4E-02	3.0E-12
4.1E+00	1.9E-07	1.0E-03	8.1E-10	1.6E-01	1.4E-02	1.7E-12	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.2E-12
4.3E+00	1.9E-07	1.0E-03	8.5E-10	1.6E-01	1.4E-02	1.8E-12	2.5E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	1.4E-02	3.3E-12
4.4E+00	1.9E-07	1.0E-03	8.8E-10	1.6E-01	1.4E-02	1.9E-12	2.6E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	1.4E-02	3.5E-12
2.8E+00	1.9E-07	1.0E-03	5.5E-10	1.6E-01	1.4E-02	1.2E-12	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.3E-12
2.6E+00	1.9E-07	1.0E-03	5.2E-10	1.6E-01	1.4E-02	1.1E-12	2.3E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.1E-12
2.5E+00	1.9E-07	1.0E-03	4.9E-10	1.6E-01	1.4E-02	1.1E-12	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	1.4E-02	3.0E-12
2.3E+00	1.9E-07	1.0E-03	4.6E-10	1.6E-01	1.4E-02	9.9E-13	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.9E-12
2.2E+00	1.9E-07	1.0E-03	4.3E-10	1.6E-01	1.4E-02	9.3E-13	2.0E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.7E-12
2.0E+00	1.9E-07	1.0E-03	4.0E-10	1.6E-01	1.4E-02	8.7E-13	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.6E-12
3.2E+00	1.9E-07	1.0E-03	6.4E-10	1.6E-01	1.4E-02	1.4E-12	2.0E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.7E-12
3.4E+00	1.9E-07	1.0E-03	6.8E-10	1.6E-01	1.4E-02	1.5E-12	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.8E-12
3.6E+00	1.9E-07	1.0E-03	7.2E-10	1.6E-01	1.4E-02	1.5E-12	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	1.4E-02	2.9E-12
3.8E+00	1.9E-07	1.0E-03	7.5E-10	1.6E-01	1.4E-02	1.6E-12	2.3E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	1.4E-02	3.1E-12
3.9E+00	1.9E-07	1.0E-03	7.8E-10	1.6E-01	1.4E-02	1.7E-12	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.2E-12
4.0E+00	1.9E-07	1.0E-03	8.0E-10	1.6E-01	1.4E-02	1.7E-12	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.3E-12
4.1E+00	1.9E-07	1.0E-03	8.1E-10	1.6E-01	1.4E-02	1.8E-12	2.5E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	1.4E-02	3.4E-12
4.1E+00	1.9E-07	1.0E-03	8.2E-10	1.6E-01	1.4E-02	1.8E-12	2.6E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	1.4E-02	3.5E-12
4.1E+00	1.9E-07	1.0E-03	8.2E-10	1.6E-01	1.4E-02	1.8E-12	2.6E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	1.4E-02	3.6E-12
4.1E+00	1.9E-07	1.0E-03	8.2E-10	1.6E-01	1.4E-02	1.8E-12	2.7E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	1.4E-02	3.6E-12
4.0E+00	1.9E-07	1.0E-03	8.0E-10	1.6E-01	1.4E-02	1.7E-12	2.7E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	1.4E-02	3.6E-12
3.9E+00	1.9E-07	1.0E-03	7.8E-10	1.6E-01	1.4E-02	1.7E-12	2.7E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	1.4E-02	3.7E-12
3.8E+00	1.9E-07	1.0E-03	7.6E-10	1.6E-01	1.4E-02	1.6E-12	2.7E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	1.4E-02	3.6E-12
3.7E+00	1.9E-07	1.0E-03	7.4E-10	1.6E-01	1.4E-02	1.6E-12	2.7E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	1.4E-02	3.6E-12
3.6E+00	1.9E-07	1.0E-03	7.1E-10	1.6E-01	1.4E-02	1.5E-12	2.7E+00	6.0E-07	1.0E-03	1.7E-09	1.6E-01	1.4E-02	3.6E-12
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3.3E+00	1.9E-07	1.0E-03	6.5E-10	1.6E-01	1.4E-02	1.4E-12	2.6E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	1.4E-02	3.5E-12
3.1E+00	1.9E-07	1.0E-03	6.1E-10	1.6E-01	1.4E-02	1.3E-12	2.5E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	1.4E-02	3.4E-12
2.9E+00	1.9E-07	1.0E-03	5.8E-10	1.6E-01	1.4E-02	1.3E-12	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.3E-12
2.8E+00	1.9E-07	1.0E-03	5.5E-10	1.6E-01	1.4E-02	1.2E-12	2.3E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.2E-12
2.6E+00	1.9E-07	1.0E-03	5.2E-10	1.6E-01	1.4E-02	1.1E-12	2.3E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	1.4E-02	3.1E-12
2.5E+00	1.9E-07	1.0E-03	4.9E-10	1.6E-01	1.4E-02	1.1E-12	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	1.4E-02	2.9E-12
2.3E+00	1.9E-07	1.0E-03	4.6E-10	1.6E-01	1.4E-02	1.0E-12	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.8E-12
2.2E+00	1.9E-07	1.0E-03	4.4E-10	1.6E-01	1.4E-02	9.4E-13	2.0E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.7E-12
2.1E+00	1.9E-07	1.0E-03	4.1E-10	1.6E-01	1.4E-02	8.8E-13	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.6E-12
1.9E+00	1.9E-07	1.0E-03	3.9E-10	1.6E-01	1.4E-02	8.3E-13	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.5E-12
2.9E+00	1.9E-07	1.0E-03	5.8E-10	1.6E-01	1.4E-02	1.3E-12	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.5E-12
3.1E+00	1.9E-07	1.0E-03	6.1E-10	1.6E-01	1.4E-02	1.3E-12	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.6E-12
3.2E+00	1.9E-07	1.0E-03	6.4E-10	1.6E-01	1.4E-02	1.4E-12	2.0E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.7E-12
3.4E+00	1.9E-07	1.0E-03	6.7E-10	1.6E-01	1.4E-02	1.4E-12	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.8E-12
3.5E+00	1.9E-07	1.0E-03	6.9E-10	1.6E-01	1.4E-02	1.5E-12	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	1.4E-02	2.9E-12
3.6E+00	1.9E-07	1.0E-03	7.1E-10	1.6E-01	1.4E-02	1.5E-12	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	1.4E-02	3.0E-12
3.7E+00	1.9E-07	1.0E-03	7.3E-10	1.6E-01	1.4E-02	1.6E-12	2.3E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	1.4E-02	3.1E-12

3.7E+00	1.9E-07	1.0E-03	7.4E-10	1.6E-01	1.4E-02	1.6E-12	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.2E-12
3.7E+00	1.9E-07	1.0E-03	7.4E-10	1.6E-01	1.4E-02	1.6E-12	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.3E-12
3.7E+00	1.9E-07	1.0E-03	7.3E-10	1.6E-01	1.4E-02	1.6E-12	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.3E-12
3.6E+00	1.9E-07	1.0E-03	7.2E-10	1.6E-01	1.4E-02	1.6E-12	2.5E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	1.4E-02	3.3E-12
3.6E+00	1.9E-07	1.0E-03	7.1E-10	1.6E-01	1.4E-02	1.5E-12	2.5E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	1.4E-02	3.4E-12
3.5E+00	1.9E-07	1.0E-03	6.9E-10	1.6E-01	1.4E-02	1.5E-12	2.5E+00	6.0E-07	1.0E-03	1.6E-09	1.6E-01	1.4E-02	3.3E-12
3.4E+00	1.9E-07	1.0E-03	6.7E-10	1.6E-01	1.4E-02	1.4E-12	2.5E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.3E-12
3.3E+00	1.9E-07	1.0E-03	6.5E-10	1.6E-01	1.4E-02	1.4E-12	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.3E-12
3.1E+00	1.9E-07	1.0E-03	6.3E-10	1.6E-01	1.4E-02	1.3E-12	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.3E-12
3.0E+00	1.9E-07	1.0E-03	6.0E-10	1.6E-01	1.4E-02	1.3E-12	2.4E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.2E-12
2.9E+00	1.9E-07	1.0E-03	5.7E-10	1.6E-01	1.4E-02	1.2E-12	2.3E+00	6.0E-07	1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.1E-12
2.7E+00	1.9E-07	1.0E-03	5.5E-10	1.6E-01	1.4E-02	1.2E-12	2.3E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	1.4E-02	3.1E-12
2.6E+00	1.9E-07	1.0E-03	5.2E-10	1.6E-01	1.4E-02	1.1E-12	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	1.4E-02	3.0E-12
2.5E+00	1.9E-07	1.0E-03	4.9E-10	1.6E-01	1.4E-02	1.1E-12	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.9E-12
2.3E+00	1.9E-07	1.0E-03	4.6E-10	1.6E-01	1.4E-02	1.0E-12	2.0E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.8E-12
2.2E+00	1.9E-07	1.0E-03	4.4E-10	1.6E-01	1.4E-02	9.5E-13	2.0E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.7E-12
2.1E+00	1.9E-07	1.0E-03	4.2E-10	1.6E-01	1.4E-02	8.9E-13	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.6E-12
2.0E+00	1.9E-07	1.0E-03	3.9E-10	1.6E-01	1.4E-02	8.4E-13	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.5E-12
1.9E+00	1.9E-07	1.0E-03	3.7E-10	1.6E-01	1.4E-02	8.0E-13	1.7E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.4E-12
2.7E+00	1.9E-07	1.0E-03	5.3E-10	1.6E-01	1.4E-02	1.1E-12	1.7E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.3E-12
2.8E+00	1.9E-07	1.0E-03	5.5E-10	1.6E-01	1.4E-02	1.2E-12	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.4E-12
2.9E+00	1.9E-07	1.0E-03	5.8E-10	1.6E-01	1.4E-02	1.2E-12	1.8E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.5E-12
3.0E+00	1.9E-07	1.0E-03	6.0E-10	1.6E-01	1.4E-02	1.3E-12	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.6E-12
3.1E+00	1.9E-07	1.0E-03	6.2E-10	1.6E-01	1.4E-02	1.3E-12	2.0E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.7E-12
3.2E+00	1.9E-07	1.0E-03	6.4E-10	1.6E-01	1.4E-02	1.4E-12	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.8E-12
3.3E+00	1.9E-07	1.0E-03	6.5E-10	1.6E-01	1.4E-02	1.4E-12	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.9E-12
3.3E+00	1.9E-07	1.0E-03	6.6E-10	1.6E-01	1.4E-02	1.4E-12	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	1.4E-02	2.9E-12
3.3E+00	1.9E-07	1.0E-03	6.6E-10	1.6E-01	1.4E-02	1.4E-12	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	1.4E-02	3.0E-12
3.3E+00	1.9E-07	1.0E-03	6.6E-10	1.6E-01	1.4E-02	1.4E-12	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	1.4E-02	3.0E-12
3.3E+00	1.9E-07	1.0E-03	6.6E-10	1.6E-01	1.4E-02	1.4E-12	2.3E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	1.4E-02	3.1E-12
3.3E+00	1.9E-07	1.0E-03	6.5E-10	1.6E-01	1.4E-02	1.4E-12	2.3E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	1.4E-02	3.1E-12
3.2E+00	1.9E-07	1.0E-03	6.3E-10	1.6E-01	1.4E-02	1.4E-12	2.3E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	1.4E-02	3.1E-12
3.1E+00	1.9E-07	1.0E-03	6.2E-10	1.6E-01	1.4E-02	1.3E-12	2.3E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	1.4E-02	3.1E-12
3.0E+00	1.9E-07	1.0E-03	6.0E-10	1.6E-01	1.4E-02	1.3E-12	2.3E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	1.4E-02	3.1E-12
2.9E+00	1.9E-07	1.0E-03	5.8E-10	1.6E-01	1.4E-02	1.2E-12	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	1.4E-02	3.0E-12
2.8E+00	1.9E-07	1.0E-03	5.6E-10	1.6E-01	1.4E-02	1.2E-12	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	1.4E-02	3.0E-12
2.7E+00	1.9E-07	1.0E-03	5.3E-10	1.6E-01	1.4E-02	1.1E-12	2.2E+00	6.0E-07	1.0E-03	1.4E-09	1.6E-01	1.4E-02	2.9E-12
2.6E+00	1.9E-07	1.0E-03	5.1E-10	1.6E-01	1.4E-02	1.1E-12	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.8E-12
2.4E+00	1.9E-07	1.0E-03	4.9E-10	1.6E-01	1.4E-02	1.0E-12	2.0E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.8E-12
2.3E+00	1.9E-07	1.0E-03	4.6E-10	1.6E-01	1.4E-02	9.9E-13	2.0E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.7E-12
2.2E+00	1.9E-07	1.0E-03	4.4E-10	1.6E-01	1.4E-02	9.5E-13	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.6E-12
2.1E+00	1.9E-07	1.0E-03	4.2E-10	1.6E-01	1.4E-02	9.0E-13	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.5E-12
2.0E+00	1.9E-07	1.0E-03	4.0E-10	1.6E-01	1.4E-02	8.5E-13	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.4E-12
1.9E+00	1.9E-07	1.0E-03	3.7E-10	1.6E-01	1.4E-02	8.1E-13	1.7E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.3E-12
1.8E+00	1.9E-07	1.0E-03	3.5E-10	1.6E-01	1.4E-02	7.6E-13	1.7E+00	6.0E-07	1.0E-03	1.0E-09	1.6E-01	1.4E-02	2.2E-12
2.4E+00	1.9E-07	1.0E-03	4.8E-10	1.6E-01	1.4E-02	1.0E-12	1.6E+00	6.0E-07	1.0E-03	9.8E-10	1.6E-01	1.4E-02	2.1E-12

2.5E+00	1.9E-07	1.0E-03	5.0E-10	1.6E-01	1.4E-02	1.1E-12	1.6E+00	6.0E-07	1.0E-03	1.0E-09	1.6E-01	1.4E-02	2.2E-12
2.6E+00	1.9E-07	1.0E-03	5.3E-10	1.6E-01	1.4E-02	1.1E-12	1.7E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.3E-12
2.7E+00	1.9E-07	1.0E-03	5.5E-10	1.6E-01	1.4E-02	1.2E-12	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.4E-12
2.8E+00	1.9E-07	1.0E-03	5.6E-10	1.6E-01	1.4E-02	1.2E-12	1.8E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.5E-12
2.9E+00	1.9E-07	1.0E-03	5.8E-10	1.6E-01	1.4E-02	1.2E-12	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.6E-12
3.0E+00	1.9E-07	1.0E-03	5.9E-10	1.6E-01	1.4E-02	1.3E-12	2.0E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.6E-12
3.0E+00	1.9E-07	1.0E-03	6.0E-10	1.6E-01	1.4E-02	1.3E-12	2.0E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.7E-12
3.0E+00	1.9E-07	1.0E-03	6.0E-10	1.6E-01	1.4E-02	1.3E-12	2.0E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.8E-12
3.0E+00	1.9E-07	1.0E-03	6.0E-10	1.6E-01	1.4E-02	1.3E-12	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.8E-12
3.0E+00	1.9E-07	1.0E-03	6.0E-10	1.6E-01	1.4E-02	1.3E-12	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.8E-12
3.0E+00	1.9E-07	1.0E-03	5.9E-10	1.6E-01	1.4E-02	1.3E-12	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.8E-12
2.9E+00	1.9E-07	1.0E-03	5.8E-10	1.6E-01	1.4E-02	1.2E-12	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.8E-12
2.9E+00	1.9E-07	1.0E-03	5.7E-10	1.6E-01	1.4E-02	1.2E-12	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.8E-12
2.8E+00	1.9E-07	1.0E-03	5.5E-10	1.6E-01	1.4E-02	1.2E-12	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.8E-12
2.7E+00	1.9E-07	1.0E-03	5.3E-10	1.6E-01	1.4E-02	1.2E-12	2.1E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.8E-12
2.6E+00	1.9E-07	1.0E-03	5.2E-10	1.6E-01	1.4E-02	1.1E-12	2.0E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.8E-12
2.5E+00	1.9E-07	1.0E-03	5.0E-10	1.6E-01	1.4E-02	1.1E-12	2.0E+00	6.0E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.7E-12
2.4E+00	1.9E-07	1.0E-03	4.8E-10	1.6E-01	1.4E-02	1.0E-12	2.0E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.7E-12
2.3E+00	1.9E-07	1.0E-03	4.6E-10	1.6E-01	1.4E-02	9.8E-13	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.6E-12
2.2E+00	1.9E-07	1.0E-03	4.3E-10	1.6E-01	1.4E-02	9.4E-13	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.5E-12
2.1E+00	1.9E-07	1.0E-03	4.1E-10	1.6E-01	1.4E-02	8.9E-13	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.4E-12
2.0E+00	1.9E-07	1.0E-03	4.0E-10	1.6E-01	1.4E-02	8.5E-13	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.4E-12
1.9E+00	1.9E-07	1.0E-03	3.8E-10	1.6E-01	1.4E-02	8.1E-13	1.7E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.3E-12
1.8E+00	1.9E-07	1.0E-03	3.6E-10	1.6E-01	1.4E-02	7.7E-13	1.6E+00	6.0E-07	1.0E-03	1.0E-09	1.6E-01	1.4E-02	2.2E-12
1.7E+00	1.9E-07	1.0E-03	3.4E-10	1.6E-01	1.4E-02	7.3E-13	1.6E+00	6.0E-07	1.0E-03	9.9E-10	1.6E-01	1.4E-02	2.1E-12
2.2E+00	1.9E-07	1.0E-03	4.4E-10	1.6E-01	1.4E-02	9.5E-13	1.5E+00	6.0E-07	1.0E-03	9.2E-10	1.6E-01	1.4E-02	2.0E-12
2.3E+00	1.9E-07	1.0E-03	4.6E-10	1.6E-01	1.4E-02	9.9E-13	1.5E+00	6.0E-07	1.0E-03	9.6E-10	1.6E-01	1.4E-02	2.1E-12
2.4E+00	1.9E-07	1.0E-03	4.8E-10	1.6E-01	1.4E-02	1.0E-12	1.6E+00	6.0E-07	1.0E-03	1.0E-09	1.6E-01	1.4E-02	2.1E-12
2.5E+00	1.9E-07	1.0E-03	5.0E-10	1.6E-01	1.4E-02	1.1E-12	1.6E+00	6.0E-07	1.0E-03	1.0E-09	1.6E-01	1.4E-02	2.2E-12
2.6E+00	1.9E-07	1.0E-03	5.1E-10	1.6E-01	1.4E-02	1.1E-12	1.7E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.3E-12
2.6E+00	1.9E-07	1.0E-03	5.3E-10	1.6E-01	1.4E-02	1.1E-12	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.4E-12
2.7E+00	1.9E-07	1.0E-03	5.4E-10	1.6E-01	1.4E-02	1.2E-12	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.4E-12
2.7E+00	1.9E-07	1.0E-03	5.4E-10	1.6E-01	1.4E-02	1.2E-12	1.8E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.5E-12
2.8E+00	1.9E-07	1.0E-03	5.5E-10	1.6E-01	1.4E-02	1.2E-12	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.5E-12
2.8E+00	1.9E-07	1.0E-03	5.5E-10	1.6E-01	1.4E-02	1.2E-12	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.6E-12
2.7E+00	1.9E-07	1.0E-03	5.5E-10	1.6E-01	1.4E-02	1.2E-12	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.6E-12
2.7E+00	1.9E-07	1.0E-03	5.4E-10	1.6E-01	1.4E-02	1.2E-12	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.6E-12
2.7E+00	1.9E-07	1.0E-03	5.3E-10	1.6E-01	1.4E-02	1.1E-12	2.0E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.6E-12
2.6E+00	1.9E-07	1.0E-03	5.2E-10	1.6E-01	1.4E-02	1.1E-12	2.0E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.6E-12
2.6E+00	1.9E-07	1.0E-03	5.1E-10	1.6E-01	1.4E-02	1.1E-12	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.6E-12
2.5E+00	1.9E-07	1.0E-03	5.0E-10	1.6E-01	1.4E-02	1.1E-12	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.6E-12
2.4E+00	1.9E-07	1.0E-03	4.8E-10	1.6E-01	1.4E-02	1.0E-12	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.6E-12
2.3E+00	1.9E-07	1.0E-03	4.6E-10	1.6E-01	1.4E-02	1.0E-12	1.9E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.5E-12
2.2E+00	1.9E-07	1.0E-03	4.5E-10	1.6E-01	1.4E-02	9.6E-13	1.8E+00	6.0E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.5E-12
2.2E+00	1.9E-07	1.0E-03	4.3E-10	1.6E-01	1.4E-02	9.2E-13	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.4E-12
2.1E+00	1.9E-07	1.0E-03	4.1E-10	1.6E-01	1.4E-02	8.8E-13	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.4E-12

2.0E+00	1.9E-07	1.0E-03	3.9E-10	1.6E-01	1.4E-02	8.4E-13	1.7E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.3E-12
1.9E+00	1.9E-07	1.0E-03	3.7E-10	1.6E-01	1.4E-02	8.1E-13	1.7E+00	6.0E-07	1.0E-03	1.0E-09	1.6E-01	1.4E-02	2.2E-12
1.8E+00	1.9E-07	1.0E-03	3.6E-10	1.6E-01	1.4E-02	7.7E-13	1.6E+00	6.0E-07	1.0E-03	1.0E-09	1.6E-01	1.4E-02	2.2E-12
1.7E+00	1.9E-07	1.0E-03	3.4E-10	1.6E-01	1.4E-02	7.3E-13	1.6E+00	6.0E-07	1.0E-03	9.7E-10	1.6E-01	1.4E-02	2.1E-12
1.6E+00	1.9E-07	1.0E-03	3.2E-10	1.6E-01	1.4E-02	7.0E-13	1.5E+00	6.0E-07	1.0E-03	9.4E-10	1.6E-01	1.4E-02	2.0E-12
2.0E+00	1.9E-07	1.0E-03	4.0E-10	1.6E-01	1.4E-02	8.7E-13	1.4E+00	6.0E-07	1.0E-03	8.6E-10	1.6E-01	1.4E-02	1.9E-12
2.1E+00	1.9E-07	1.0E-03	4.2E-10	1.6E-01	1.4E-02	9.1E-13	1.4E+00	6.0E-07	1.0E-03	9.0E-10	1.6E-01	1.4E-02	1.9E-12
2.2E+00	1.9E-07	1.0E-03	4.4E-10	1.6E-01	1.4E-02	9.5E-13	1.5E+00	6.0E-07	1.0E-03	9.3E-10	1.6E-01	1.4E-02	2.0E-12
2.3E+00	1.9E-07	1.0E-03	4.5E-10	1.6E-01	1.4E-02	9.8E-13	1.5E+00	6.0E-07	1.0E-03	9.6E-10	1.6E-01	1.4E-02	2.1E-12
2.4E+00	1.9E-07	1.0E-03	4.7E-10	1.6E-01	1.4E-02	1.0E-12	1.6E+00	6.0E-07	1.0E-03	9.9E-10	1.6E-01	1.4E-02	2.1E-12
2.4E+00	1.9E-07	1.0E-03	4.8E-10	1.6E-01	1.4E-02	1.0E-12	1.6E+00	6.0E-07	1.0E-03	1.0E-09	1.6E-01	1.4E-02	2.2E-12
2.5E+00	1.9E-07	1.0E-03	4.9E-10	1.6E-01	1.4E-02	1.1E-12	1.7E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.3E-12
2.5E+00	1.9E-07	1.0E-03	5.0E-10	1.6E-01	1.4E-02	1.1E-12	1.7E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.3E-12
2.5E+00	1.9E-07	1.0E-03	5.0E-10	1.6E-01	1.4E-02	1.1E-12	1.7E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.4E-12
2.5E+00	1.9E-07	1.0E-03	5.0E-10	1.6E-01	1.4E-02	1.1E-12	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.4E-12
2.5E+00	1.9E-07	1.0E-03	5.0E-10	1.6E-01	1.4E-02	1.1E-12	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.4E-12
2.5E+00	1.9E-07	1.0E-03	5.0E-10	1.6E-01	1.4E-02	1.1E-12	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.4E-12
2.5E+00	1.9E-07	1.0E-03	4.9E-10	1.6E-01	1.4E-02	1.1E-12	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.4E-12
2.4E+00	1.9E-07	1.0E-03	4.8E-10	1.6E-01	1.4E-02	1.0E-12	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.5E-12
2.4E+00	1.9E-07	1.0E-03	4.7E-10	1.6E-01	1.4E-02	1.0E-12	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.4E-12
2.3E+00	1.9E-07	1.0E-03	4.6E-10	1.6E-01	1.4E-02	9.9E-13	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.4E-12
2.3E+00	1.9E-07	1.0E-03	4.5E-10	1.6E-01	1.4E-02	9.6E-13	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.4E-12
2.2E+00	1.9E-07	1.0E-03	4.3E-10	1.6E-01	1.4E-02	9.3E-13	1.8E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.4E-12
2.1E+00	1.9E-07	1.0E-03	4.2E-10	1.6E-01	1.4E-02	9.0E-13	1.7E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.3E-12
2.0E+00	1.9E-07	1.0E-03	4.0E-10	1.6E-01	1.4E-02	8.7E-13	1.7E+00	6.0E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.3E-12
1.9E+00	1.9E-07	1.0E-03	3.9E-10	1.6E-01	1.4E-02	8.3E-13	1.6E+00	6.0E-07	1.0E-03	1.0E-09	1.6E-01	1.4E-02	2.2E-12
1.9E+00	1.9E-07	1.0E-03	3.7E-10	1.6E-01	1.4E-02	8.0E-13	1.6E+00	6.0E-07	1.0E-03	1.0E-09	1.6E-01	1.4E-02	2.2E-12
1.8E+00	1.9E-07	1.0E-03	3.6E-10	1.6E-01	1.4E-02	7.7E-13	1.6E+00	6.0E-07	1.0E-03	9.8E-10	1.6E-01	1.4E-02	2.1E-12
1.7E+00	1.9E-07	1.0E-03	3.4E-10	1.6E-01	1.4E-02	7.3E-13	1.5E+00	6.0E-07	1.0E-03	9.5E-10	1.6E-01	1.4E-02	2.1E-12
1.6E+00	1.9E-07	1.0E-03	3.3E-10	1.6E-01	1.4E-02	7.0E-13	1.5E+00	6.0E-07	1.0E-03	9.2E-10	1.6E-01	1.4E-02	2.0E-12
1.6E+00	1.9E-07	1.0E-03	3.1E-10	1.6E-01	1.4E-02	6.7E-13	1.4E+00	6.0E-07	1.0E-03	8.9E-10	1.6E-01	1.4E-02	1.9E-12

Franklin School Project

Risk From New Building Demo (Port. 1,3,4) - Mitigated Residential

Haul Route 1A							Haul Route 2A						
Conc	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
3.4E-01	1.2E-06	1.0E-03	4.4E-10	1.6E-01	1.4E-02	9.4E-13	3.9E+00	1.3E-07	1.0E-03	5.4E-10	1.6E-01	1.4E-02	1.2E-12
3.9E-01	1.2E-06	1.0E-03	5.0E-10	1.6E-01	1.4E-02	1.1E-12	4.4E+00	1.3E-07	1.0E-03	6.0E-10	1.6E-01	1.4E-02	1.3E-12
4.5E-01	1.2E-06	1.0E-03	5.8E-10	1.6E-01	1.4E-02	1.2E-12	4.7E+00	1.3E-07	1.0E-03	6.5E-10	1.6E-01	1.4E-02	1.4E-12
5.2E-01	1.2E-06	1.0E-03	6.6E-10	1.6E-01	1.4E-02	1.4E-12	4.8E+00	1.3E-07	1.0E-03	6.7E-10	1.6E-01	1.4E-02	1.4E-12
5.8E-01	1.2E-06	1.0E-03	7.5E-10	1.6E-01	1.4E-02	1.6E-12	4.8E+00	1.3E-07	1.0E-03	6.7E-10	1.6E-01	1.4E-02	1.4E-12
6.5E-01	1.2E-06	1.0E-03	8.3E-10	1.6E-01	1.4E-02	1.8E-12	4.7E+00	1.3E-07	1.0E-03	6.5E-10	1.6E-01	1.4E-02	1.4E-12
7.1E-01	1.2E-06	1.0E-03	9.1E-10	1.6E-01	1.4E-02	2.0E-12	4.3E+00	1.3E-07	1.0E-03	5.9E-10	1.6E-01	1.4E-02	1.3E-12
7.7E-01	1.2E-06	1.0E-03	9.9E-10	1.6E-01	1.4E-02	2.1E-12	3.6E+00	1.3E-07	1.0E-03	5.0E-10	1.6E-01	1.4E-02	1.1E-12
8.4E-01	1.2E-06	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.3E-12	2.8E+00	1.3E-07	1.0E-03	3.9E-10	1.6E-01	1.4E-02	8.4E-13
9.2E-01	1.2E-06	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.5E-12	2.2E+00	1.3E-07	1.0E-03	3.0E-10	1.6E-01	1.4E-02	6.4E-13
9.9E-01	1.2E-06	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.7E-12	1.6E+00	1.3E-07	1.0E-03	2.3E-10	1.6E-01	1.4E-02	4.9E-13
1.0E+00	1.2E-06	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.9E-12	1.3E+00	1.3E-07	1.0E-03	1.8E-10	1.6E-01	1.4E-02	3.8E-13
1.0E+00	1.2E-06	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.9E-12	1.0E+00	1.3E-07	1.0E-03	1.4E-10	1.6E-01	1.4E-02	3.0E-13
1.0E+00	1.2E-06	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.8E-12	8.0E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.4E-13
9.5E-01	1.2E-06	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.6E-12	6.5E-01	1.3E-07	1.0E-03	9.0E-11	1.6E-01	1.4E-02	1.9E-13
8.8E-01	1.2E-06	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.4E-12	5.4E-01	1.3E-07	1.0E-03	7.5E-11	1.6E-01	1.4E-02	1.6E-13
3.9E-01	1.2E-06	1.0E-03	5.1E-10	1.6E-01	1.4E-02	1.1E-12	8.3E+00	1.3E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.5E-12
4.7E-01	1.2E-06	1.0E-03	6.0E-10	1.6E-01	1.4E-02	1.3E-12	8.9E+00	1.3E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.7E-12
5.5E-01	1.2E-06	1.0E-03	7.1E-10	1.6E-01	1.4E-02	1.5E-12	9.3E+00	1.3E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.8E-12
6.5E-01	1.2E-06	1.0E-03	8.4E-10	1.6E-01	1.4E-02	1.8E-12	9.5E+00	1.3E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.8E-12
7.6E-01	1.2E-06	1.0E-03	9.8E-10	1.6E-01	1.4E-02	2.1E-12	9.4E+00	1.3E-07	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.8E-12
8.7E-01	1.2E-06	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.4E-12	9.0E+00	1.3E-07	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.7E-12
9.7E-01	1.2E-06	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.7E-12	7.7E+00	1.3E-07	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.3E-12
1.1E+00	1.2E-06	1.0E-03	1.4E-09	1.6E-01	1.4E-02	3.0E-12	5.3E+00	1.3E-07	1.0E-03	7.3E-10	1.6E-01	1.4E-02	1.6E-12
1.2E+00	1.2E-06	1.0E-03	1.6E-09	1.6E-01	1.4E-02	3.3E-12	3.4E+00	1.3E-07	1.0E-03	4.8E-10	1.6E-01	1.4E-02	1.0E-12
1.3E+00	1.2E-06	1.0E-03	1.7E-09	1.6E-01	1.4E-02	3.7E-12	2.3E+00	1.3E-07	1.0E-03	3.2E-10	1.6E-01	1.4E-02	7.0E-13
1.4E+00	1.2E-06	1.0E-03	1.8E-09	1.6E-01	1.4E-02	3.9E-12	1.7E+00	1.3E-07	1.0E-03	2.3E-10	1.6E-01	1.4E-02	4.9E-13
1.4E+00	1.2E-06	1.0E-03	1.8E-09	1.6E-01	1.4E-02	4.0E-12	1.2E+00	1.3E-07	1.0E-03	1.7E-10	1.6E-01	1.4E-02	3.7E-13
1.4E+00	1.2E-06	1.0E-03	1.8E-09	1.6E-01	1.4E-02	3.8E-12	9.4E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	1.4E-02	2.8E-13
1.3E+00	1.2E-06	1.0E-03	1.6E-09	1.6E-01	1.4E-02	3.5E-12	7.5E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	1.4E-02	2.2E-13
1.2E+00	1.2E-06	1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.2E-12	6.1E-01	1.3E-07	1.0E-03	8.4E-11	1.6E-01	1.4E-02	1.8E-13
1.0E+00	1.2E-06	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.8E-12	5.0E-01	1.3E-07	1.0E-03	6.9E-11	1.6E-01	1.4E-02	1.5E-13
4.5E-01	1.2E-06	1.0E-03	5.9E-10	1.6E-01	1.4E-02	1.3E-12	6.9E+00	1.3E-07	1.0E-03	9.5E-10	1.6E-01	1.4E-02	2.0E-12
5.6E-01	1.2E-06	1.0E-03	7.2E-10	1.6E-01	1.4E-02	1.5E-12	1.1E+01	1.3E-07	1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.3E-12
6.9E-01	1.2E-06	1.0E-03	8.8E-10	1.6E-01	1.4E-02	1.9E-12	6.2E+00	1.3E-07	1.0E-03	8.5E-10	1.6E-01	1.4E-02	1.8E-12
8.5E-01	1.2E-06	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.4E-12	6.1E+00	1.3E-07	1.0E-03	8.5E-10	1.6E-01	1.4E-02	1.8E-12
1.0E+00	1.2E-06	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.9E-12	6.0E+00	1.3E-07	1.0E-03	8.3E-10	1.6E-01	1.4E-02	1.8E-12
1.2E+00	1.2E-06	1.0E-03	1.6E-09	1.6E-01	1.4E-02	3.4E-12	5.4E+00	1.3E-07	1.0E-03	7.4E-10	1.6E-01	1.4E-02	1.6E-12
1.4E+00	1.2E-06	1.0E-03	1.9E-09	1.6E-01	1.4E-02	4.0E-12	6.2E+00	1.3E-07	1.0E-03	8.6E-10	1.6E-01	1.4E-02	1.8E-12

1.6E+00	1.2E-06	1.0E-03	2.1E-09	1.6E-01	1.4E-02	4.6E-12	7.1E+00	1.3E-07	1.0E-03	9.9E-10	1.6E-01	1.4E-02	2.1E-12
1.9E+00	1.2E-06	1.0E-03	2.4E-09	1.6E-01	1.4E-02	5.2E-12	3.6E+00	1.3E-07	1.0E-03	5.0E-10	1.6E-01	1.4E-02	1.1E-12
2.1E+00	1.2E-06	1.0E-03	2.6E-09	1.6E-01	1.4E-02	5.7E-12	2.2E+00	1.3E-07	1.0E-03	3.1E-10	1.6E-01	1.4E-02	6.6E-13
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2.0E+00	1.2E-06	1.0E-03	2.6E-09	1.6E-01	1.4E-02	5.5E-12	1.1E+00	1.3E-07	1.0E-03	1.5E-10	1.6E-01	1.4E-02	3.3E-13
1.8E+00	1.2E-06	1.0E-03	2.3E-09	1.6E-01	1.4E-02	5.0E-12	8.5E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	1.4E-02	2.5E-13
1.6E+00	1.2E-06	1.0E-03	2.0E-09	1.6E-01	1.4E-02	4.4E-12	6.7E-01	1.3E-07	1.0E-03	9.3E-11	1.6E-01	1.4E-02	2.0E-13
1.3E+00	1.2E-06	1.0E-03	1.7E-09	1.6E-01	1.4E-02	3.7E-12	5.4E-01	1.3E-07	1.0E-03	7.5E-11	1.6E-01	1.4E-02	1.6E-13
1.1E+00	1.2E-06	1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.2E-12	4.5E-01	1.3E-07	1.0E-03	6.3E-11	1.6E-01	1.4E-02	1.3E-13
5.2E-01	1.2E-06	1.0E-03	6.7E-10	1.6E-01	1.4E-02	1.4E-12	6.3E+00	1.3E-07	1.0E-03	8.8E-10	1.6E-01	1.4E-02	1.9E-12
6.6E-01	1.2E-06	1.0E-03	8.5E-10	1.6E-01	1.4E-02	1.8E-12	1.0E+01	1.3E-07	1.0E-03	1.4E-09	1.6E-01	1.4E-02	3.0E-12
8.6E-01	1.2E-06	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.4E-12	5.6E+00	1.3E-07	1.0E-03	7.8E-10	1.6E-01	1.4E-02	1.7E-12
1.1E+00	1.2E-06	1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.1E-12	5.5E+00	1.3E-07	1.0E-03	7.6E-10	1.6E-01	1.4E-02	1.6E-12
1.5E+00	1.2E-06	1.0E-03	1.9E-09	1.6E-01	1.4E-02	4.1E-12	5.3E+00	1.3E-07	1.0E-03	7.3E-10	1.6E-01	1.4E-02	1.6E-12
1.9E+00	1.2E-06	1.0E-03	2.5E-09	1.6E-01	1.4E-02	5.3E-12	4.5E+00	1.3E-07	1.0E-03	6.3E-10	1.6E-01	1.4E-02	1.4E-12
2.3E+00	1.2E-06	1.0E-03	3.0E-09	1.6E-01	1.4E-02	6.5E-12	5.2E+00	1.3E-07	1.0E-03	7.2E-10	1.6E-01	1.4E-02	1.6E-12
2.8E+00	1.2E-06	1.0E-03	3.6E-09	1.6E-01	1.4E-02	7.7E-12	6.0E+00	1.3E-07	1.0E-03	8.3E-10	1.6E-01	1.4E-02	1.8E-12
3.2E+00	1.2E-06	1.0E-03	4.1E-09	1.6E-01	1.4E-02	8.9E-12	3.0E+00	1.3E-07	1.0E-03	4.2E-10	1.6E-01	1.4E-02	9.0E-13
3.4E+00	1.2E-06	1.0E-03	4.3E-09	1.6E-01	1.4E-02	9.3E-12	1.9E+00	1.3E-07	1.0E-03	2.6E-10	1.6E-01	1.4E-02	5.6E-13
3.1E+00	1.2E-06	1.0E-03	4.0E-09	1.6E-01	1.4E-02	8.7E-12	1.3E+00	1.3E-07	1.0E-03	1.8E-10	1.6E-01	1.4E-02	3.9E-13
2.7E+00	1.2E-06	1.0E-03	3.5E-09	1.6E-01	1.4E-02	7.5E-12	9.5E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	1.4E-02	2.8E-13
2.3E+00	1.2E-06	1.0E-03	2.9E-09	1.6E-01	1.4E-02	6.3E-12	7.4E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	1.4E-02	2.2E-13
1.8E+00	1.2E-06	1.0E-03	2.4E-09	1.6E-01	1.4E-02	5.1E-12	5.9E-01	1.3E-07	1.0E-03	8.2E-11	1.6E-01	1.4E-02	1.8E-13
1.5E+00	1.2E-06	1.0E-03	1.9E-09	1.6E-01	1.4E-02	4.1E-12	4.8E-01	1.3E-07	1.0E-03	6.7E-11	1.6E-01	1.4E-02	1.4E-13
1.2E+00	1.2E-06	1.0E-03	1.6E-09	1.6E-01	1.4E-02	3.4E-12	4.0E-01	1.3E-07	1.0E-03	5.6E-11	1.6E-01	1.4E-02	1.2E-13
5.9E-01	1.2E-06	1.0E-03	7.6E-10	1.6E-01	1.4E-02	1.6E-12	7.0E+00	1.3E-07	1.0E-03	9.7E-10	1.6E-01	1.4E-02	2.1E-12
7.8E-01	1.2E-06	1.0E-03	1.0E-09	1.6E-01	1.4E-02	2.2E-12	7.3E+00	1.3E-07	1.0E-03	1.0E-09	1.6E-01	1.4E-02	2.2E-12
1.1E+00	1.2E-06	1.0E-03	1.4E-09	1.6E-01	1.4E-02	3.0E-12	7.4E+00	1.3E-07	1.0E-03	1.0E-09	1.6E-01	1.4E-02	2.2E-12
1.5E+00	1.2E-06	1.0E-03	2.0E-09	1.6E-01	1.4E-02	4.2E-12	7.3E+00	1.3E-07	1.0E-03	1.0E-09	1.6E-01	1.4E-02	2.2E-12
2.2E+00	1.2E-06	1.0E-03	2.9E-09	1.6E-01	1.4E-02	6.2E-12	7.0E+00	1.3E-07	1.0E-03	9.7E-10	1.6E-01	1.4E-02	2.1E-12
3.3E+00	1.2E-06	1.0E-03	4.2E-09	1.6E-01	1.4E-02	9.1E-12	6.4E+00	1.3E-07	1.0E-03	8.9E-10	1.6E-01	1.4E-02	1.9E-12
4.5E+00	1.2E-06	1.0E-03	5.7E-09	1.6E-01	1.4E-02	1.2E-11	5.2E+00	1.3E-07	1.0E-03	7.1E-10	1.6E-01	1.4E-02	1.5E-12
5.6E+00	1.2E-06	1.0E-03	7.3E-09	1.6E-01	1.4E-02	1.6E-11	3.4E+00	1.3E-07	1.0E-03	4.7E-10	1.6E-01	1.4E-02	1.0E-12
6.2E+00	1.2E-06	1.0E-03	8.0E-09	1.6E-01	1.4E-02	1.7E-11	2.2E+00	1.3E-07	1.0E-03	3.1E-10	1.6E-01	1.4E-02	6.6E-13
5.6E+00	1.2E-06	1.0E-03	7.2E-09	1.6E-01	1.4E-02	1.6E-11	1.5E+00	1.3E-07	1.0E-03	2.1E-10	1.6E-01	1.4E-02	4.5E-13
4.5E+00	1.2E-06	1.0E-03	5.8E-09	1.6E-01	1.4E-02	1.2E-11	1.1E+00	1.3E-07	1.0E-03	1.5E-10	1.6E-01	1.4E-02	3.2E-13
3.4E+00	1.2E-06	1.0E-03	4.4E-09	1.6E-01	1.4E-02	9.6E-12	8.2E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.4E-13
2.6E+00	1.2E-06	1.0E-03	3.4E-09	1.6E-01	1.4E-02	7.2E-12	6.4E-01	1.3E-07	1.0E-03	8.9E-11	1.6E-01	1.4E-02	1.9E-13
2.0E+00	1.2E-06	1.0E-03	2.6E-09	1.6E-01	1.4E-02	5.5E-12	5.2E-01	1.3E-07	1.0E-03	7.2E-11	1.6E-01	1.4E-02	1.6E-13
1.5E+00	1.2E-06	1.0E-03	2.0E-09	1.6E-01	1.4E-02	4.3E-12	4.3E-01	1.3E-07	1.0E-03	6.0E-11	1.6E-01	1.4E-02	1.3E-13
1.2E+00	1.2E-06	1.0E-03	1.6E-09	1.6E-01	1.4E-02	3.4E-12	3.6E-01	1.3E-07	1.0E-03	5.0E-11	1.6E-01	1.4E-02	1.1E-13
6.5E-01	1.2E-06	1.0E-03	8.3E-10	1.6E-01	1.4E-02	1.8E-12	3.5E+00	1.3E-07	1.0E-03	4.9E-10	1.6E-01	1.4E-02	1.1E-12
8.8E-01	1.2E-06	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.4E-12	3.8E+00	1.3E-07	1.0E-03	5.2E-10	1.6E-01	1.4E-02	1.1E-12
1.3E+00	1.2E-06	1.0E-03	1.7E-09	1.6E-01	1.4E-02	3.6E-12	3.8E+00	1.3E-07	1.0E-03	5.3E-10	1.6E-01	1.4E-02	1.1E-12
2.0E+00	1.2E-06	1.0E-03	2.6E-09	1.6E-01	1.4E-02	5.6E-12	3.8E+00	1.3E-07	1.0E-03	5.3E-10	1.6E-01	1.4E-02	1.1E-12
3.5E+00	1.2E-06	1.0E-03	4.5E-09	1.6E-01	1.4E-02	9.6E-12	3.7E+00	1.3E-07	1.0E-03	5.1E-10	1.6E-01	1.4E-02	1.1E-12

6.5E+00	1.2E-06	1.0E-03	8.3E-09	1.6E-01	1.4E-02	1.8E-11	3.4E+00	1.3E-07	1.0E-03	4.7E-10	1.6E-01	1.4E-02	1.0E-12
1.1E+01	1.2E-06	1.0E-03	1.4E-08	1.6E-01	1.4E-02	3.1E-11	2.9E+00	1.3E-07	1.0E-03	4.0E-10	1.6E-01	1.4E-02	8.6E-13
1.5E+01	1.2E-06	1.0E-03	1.9E-08	1.6E-01	1.4E-02	4.1E-11	2.2E+00	1.3E-07	1.0E-03	3.1E-10	1.6E-01	1.4E-02	6.6E-13
1.3E+01	1.2E-06	1.0E-03	1.7E-08	1.6E-01	1.4E-02	3.6E-11	1.6E+00	1.3E-07	1.0E-03	2.3E-10	1.6E-01	1.4E-02	4.9E-13
8.7E+00	1.2E-06	1.0E-03	1.1E-08	1.6E-01	1.4E-02	2.4E-11	1.2E+00	1.3E-07	1.0E-03	1.7E-10	1.6E-01	1.4E-02	3.6E-13
5.7E+00	1.2E-06	1.0E-03	7.4E-09	1.6E-01	1.4E-02	1.6E-11	9.1E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	1.4E-02	2.7E-13
3.9E+00	1.2E-06	1.0E-03	5.0E-09	1.6E-01	1.4E-02	1.1E-11	7.1E-01	1.3E-07	1.0E-03	9.8E-11	1.6E-01	1.4E-02	2.1E-13
2.7E+00	1.2E-06	1.0E-03	3.5E-09	1.6E-01	1.4E-02	7.6E-12	5.7E-01	1.3E-07	1.0E-03	7.9E-11	1.6E-01	1.4E-02	1.7E-13
2.0E+00	1.2E-06	1.0E-03	2.6E-09	1.6E-01	1.4E-02	5.5E-12	4.7E-01	1.3E-07	1.0E-03	6.5E-11	1.6E-01	1.4E-02	1.4E-13
1.5E+00	1.2E-06	1.0E-03	1.9E-09	1.6E-01	1.4E-02	4.1E-12	3.9E-01	1.3E-07	1.0E-03	5.4E-11	1.6E-01	1.4E-02	1.2E-13
1.2E+00	1.2E-06	1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.2E-12	3.3E-01	1.3E-07	1.0E-03	4.6E-11	1.6E-01	1.4E-02	9.9E-14
6.8E-01	1.2E-06	1.0E-03	8.7E-10	1.6E-01	1.4E-02	1.9E-12	2.2E+00	1.3E-07	1.0E-03	3.0E-10	1.6E-01	1.4E-02	6.5E-13
9.5E-01	1.2E-06	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.6E-12	2.4E+00	1.3E-07	1.0E-03	3.3E-10	1.6E-01	1.4E-02	7.0E-13
1.4E+00	1.2E-06	1.0E-03	1.9E-09	1.6E-01	1.4E-02	4.0E-12	2.4E+00	1.3E-07	1.0E-03	3.4E-10	1.6E-01	1.4E-02	7.3E-13
2.5E+00	1.2E-06	1.0E-03	3.2E-09	1.6E-01	1.4E-02	6.8E-12	2.4E+00	1.3E-07	1.0E-03	3.4E-10	1.6E-01	1.4E-02	7.3E-13
5.0E+00	1.2E-06	1.0E-03	6.4E-09	1.6E-01	1.4E-02	1.4E-11	2.4E+00	1.3E-07	1.0E-03	3.3E-10	1.6E-01	1.4E-02	7.0E-13
1.4E+01	1.2E-06	1.0E-03	1.8E-08	1.6E-01	1.4E-02	3.9E-11	2.2E+00	1.3E-07	1.0E-03	3.0E-10	1.6E-01	1.4E-02	6.6E-13
5.4E+01	1.2E-06	1.0E-03	6.9E-08	1.6E-01	1.4E-02	1.5E-10	1.9E+00	1.3E-07	1.0E-03	2.7E-10	1.6E-01	1.4E-02	5.8E-13
6.1E+01	1.2E-06	1.0E-03	7.8E-08	1.6E-01	1.4E-02	1.7E-10	1.6E+00	1.3E-07	1.0E-03	2.2E-10	1.6E-01	1.4E-02	4.8E-13
2.4E+01	1.2E-06	1.0E-03	3.1E-08	1.6E-01	1.4E-02	6.6E-11	1.3E+00	1.3E-07	1.0E-03	1.8E-10	1.6E-01	1.4E-02	3.8E-13
1.1E+01	1.2E-06	1.0E-03	1.4E-08	1.6E-01	1.4E-02	3.0E-11	1.0E+00	1.3E-07	1.0E-03	1.4E-10	1.6E-01	1.4E-02	3.0E-13
6.0E+00	1.2E-06	1.0E-03	7.8E-09	1.6E-01	1.4E-02	1.7E-11	7.9E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.3E-13
3.8E+00	1.2E-06	1.0E-03	4.8E-09	1.6E-01	1.4E-02	1.0E-11	6.3E-01	1.3E-07	1.0E-03	8.7E-11	1.6E-01	1.4E-02	1.9E-13
2.5E+00	1.2E-06	1.0E-03	3.3E-09	1.6E-01	1.4E-02	7.0E-12	5.1E-01	1.3E-07	1.0E-03	7.1E-11	1.6E-01	1.4E-02	1.5E-13
1.8E+00	1.2E-06	1.0E-03	2.3E-09	1.6E-01	1.4E-02	5.0E-12	4.3E-01	1.3E-07	1.0E-03	5.9E-11	1.6E-01	1.4E-02	1.3E-13
1.3E+00	1.2E-06	1.0E-03	1.7E-09	1.6E-01	1.4E-02	3.7E-12	3.6E-01	1.3E-07	1.0E-03	5.0E-11	1.6E-01	1.4E-02	1.1E-13
1.0E+00	1.2E-06	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.9E-12	3.1E-01	1.3E-07	1.0E-03	4.2E-11	1.6E-01	1.4E-02	9.1E-14
6.9E-01	1.2E-06	1.0E-03	8.8E-10	1.6E-01	1.4E-02	1.9E-12	1.5E+00	1.3E-07	1.0E-03	2.1E-10	1.6E-01	1.4E-02	4.5E-13
9.7E-01	1.2E-06	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.7E-12	1.6E+00	1.3E-07	1.0E-03	2.2E-10	1.6E-01	1.4E-02	4.8E-13
1.5E+00	1.2E-06	1.0E-03	1.9E-09	1.6E-01	1.4E-02	4.1E-12	1.7E+00	1.3E-07	1.0E-03	2.3E-10	1.6E-01	1.4E-02	5.0E-13
2.6E+00	1.2E-06	1.0E-03	3.3E-09	1.6E-01	1.4E-02	7.1E-12	1.7E+00	1.3E-07	1.0E-03	2.4E-10	1.6E-01	1.4E-02	5.1E-13
5.5E+00	1.2E-06	1.0E-03	7.1E-09	1.6E-01	1.4E-02	1.5E-11	1.7E+00	1.3E-07	1.0E-03	2.3E-10	1.6E-01	1.4E-02	5.0E-13
9.6E+00	1.2E-06	1.0E-03	1.2E-08	1.6E-01	1.4E-02	2.7E-11	8.5E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	1.4E-02	2.5E-13
5.1E+00	1.2E-06	1.0E-03	6.6E-09	1.6E-01	1.4E-02	1.4E-11	6.9E-01	1.3E-07	1.0E-03	9.6E-11	1.6E-01	1.4E-02	2.1E-13
3.2E+00	1.2E-06	1.0E-03	4.1E-09	1.6E-01	1.4E-02	8.8E-12	5.7E-01	1.3E-07	1.0E-03	7.9E-11	1.6E-01	1.4E-02	1.7E-13
2.1E+00	1.2E-06	1.0E-03	2.8E-09	1.6E-01	1.4E-02	5.9E-12	4.7E-01	1.3E-07	1.0E-03	6.5E-11	1.6E-01	1.4E-02	1.4E-13
1.5E+00	1.2E-06	1.0E-03	2.0E-09	1.6E-01	1.4E-02	4.3E-12	3.9E-01	1.3E-07	1.0E-03	5.5E-11	1.6E-01	1.4E-02	1.2E-13
1.2E+00	1.2E-06	1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.2E-12	3.3E-01	1.3E-07	1.0E-03	4.6E-11	1.6E-01	1.4E-02	1.0E-13
9.0E-01	1.2E-06	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.5E-12	2.9E-01	1.3E-07	1.0E-03	4.0E-11	1.6E-01	1.4E-02	8.6E-14
6.6E-01	1.2E-06	1.0E-03	8.5E-10	1.6E-01	1.4E-02	1.8E-12	1.1E+00	1.3E-07	1.0E-03	1.5E-10	1.6E-01	1.4E-02	3.3E-13
9.1E-01	1.2E-06	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.5E-12	1.2E+00	1.3E-07	1.0E-03	1.6E-10	1.6E-01	1.4E-02	3.5E-13
1.4E+00	1.2E-06	1.0E-03	1.7E-09	1.6E-01	1.4E-02	3.8E-12	1.2E+00	1.3E-07	1.0E-03	1.7E-10	1.6E-01	1.4E-02	3.7E-13
2.2E+00	1.2E-06	1.0E-03	2.9E-09	1.6E-01	1.4E-02	6.2E-12	1.3E+00	1.3E-07	1.0E-03	1.7E-10	1.6E-01	1.4E-02	3.7E-13
4.1E+00	1.2E-06	1.0E-03	5.3E-09	1.6E-01	1.4E-02	1.1E-11	1.2E+00	1.3E-07	1.0E-03	1.7E-10	1.6E-01	1.4E-02	3.7E-13
6.4E+00	1.2E-06	1.0E-03	8.3E-09	1.6E-01	1.4E-02	1.8E-11	7.2E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	1.4E-02	2.2E-13
3.9E+00	1.2E-06	1.0E-03	5.0E-09	1.6E-01	1.4E-02	1.1E-11	6.1E-01	1.3E-07	1.0E-03	8.4E-11	1.6E-01	1.4E-02	1.8E-13

2.5E+00	1.2E-06	1.0E-03	3.2E-09	1.6E-01	1.4E-02	6.9E-12	5.1E-01	1.3E-07	1.0E-03	7.0E-11	1.6E-01	1.4E-02	1.5E-13
1.8E+00	1.2E-06	1.0E-03	2.3E-09	1.6E-01	1.4E-02	4.9E-12	4.3E-01	1.3E-07	1.0E-03	6.0E-11	1.6E-01	1.4E-02	1.3E-13
1.3E+00	1.2E-06	1.0E-03	1.7E-09	1.6E-01	1.4E-02	3.6E-12	3.7E-01	1.3E-07	1.0E-03	5.1E-11	1.6E-01	1.4E-02	1.1E-13
9.9E-01	1.2E-06	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.8E-12	3.1E-01	1.3E-07	1.0E-03	4.4E-11	1.6E-01	1.4E-02	9.4E-14
7.8E-01	1.2E-06	1.0E-03	1.0E-09	1.6E-01	1.4E-02	2.2E-12	2.7E-01	1.3E-07	1.0E-03	3.8E-11	1.6E-01	1.4E-02	8.1E-14
6.1E-01	1.2E-06	1.0E-03	7.8E-10	1.6E-01	1.4E-02	1.7E-12	8.3E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	1.4E-02	2.5E-13
8.2E-01	1.2E-06	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.3E-12	9.0E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	1.4E-02	2.7E-13
1.1E+00	1.2E-06	1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.2E-12	9.4E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	1.4E-02	2.8E-13
1.7E+00	1.2E-06	1.0E-03	2.2E-09	1.6E-01	1.4E-02	4.8E-12	9.6E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	1.4E-02	2.9E-13
2.7E+00	1.2E-06	1.0E-03	3.5E-09	1.6E-01	1.4E-02	7.5E-12	9.6E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	1.4E-02	2.9E-13
4.2E+00	1.2E-06	1.0E-03	5.4E-09	1.6E-01	1.4E-02	1.2E-11	6.1E-01	1.3E-07	1.0E-03	8.5E-11	1.6E-01	1.4E-02	1.8E-13
2.8E+00	1.2E-06	1.0E-03	3.7E-09	1.6E-01	1.4E-02	7.9E-12	5.3E-01	1.3E-07	1.0E-03	7.3E-11	1.6E-01	1.4E-02	1.6E-13
2.0E+00	1.2E-06	1.0E-03	2.6E-09	1.6E-01	1.4E-02	5.5E-12	4.6E-01	1.3E-07	1.0E-03	6.3E-11	1.6E-01	1.4E-02	1.4E-13
1.5E+00	1.2E-06	1.0E-03	1.9E-09	1.6E-01	1.4E-02	4.1E-12	4.0E-01	1.3E-07	1.0E-03	5.5E-11	1.6E-01	1.4E-02	1.2E-13
1.1E+00	1.2E-06	1.0E-03	1.4E-09	1.6E-01	1.4E-02	3.1E-12	3.4E-01	1.3E-07	1.0E-03	4.7E-11	1.6E-01	1.4E-02	1.0E-13
8.7E-01	1.2E-06	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.4E-12	3.0E-01	1.3E-07	1.0E-03	4.1E-11	1.6E-01	1.4E-02	8.8E-14
6.9E-01	1.2E-06	1.0E-03	8.9E-10	1.6E-01	1.4E-02	1.9E-12	2.6E-01	1.3E-07	1.0E-03	3.6E-11	1.6E-01	1.4E-02	7.7E-14
5.4E-01	1.2E-06	1.0E-03	7.0E-10	1.6E-01	1.4E-02	1.5E-12	6.5E-01	1.3E-07	1.0E-03	9.1E-11	1.6E-01	1.4E-02	1.9E-13
7.0E-01	1.2E-06	1.0E-03	9.0E-10	1.6E-01	1.4E-02	1.9E-12	7.0E-01	1.3E-07	1.0E-03	9.7E-11	1.6E-01	1.4E-02	2.1E-13
9.4E-01	1.2E-06	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.6E-12	7.4E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	1.4E-02	2.2E-13
1.3E+00	1.2E-06	1.0E-03	1.7E-09	1.6E-01	1.4E-02	3.6E-12	7.6E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.3E-13
1.9E+00	1.2E-06	1.0E-03	2.4E-09	1.6E-01	1.4E-02	5.2E-12	7.6E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.3E-13
3.0E+00	1.2E-06	1.0E-03	3.8E-09	1.6E-01	1.4E-02	8.2E-12	5.3E-01	1.3E-07	1.0E-03	7.4E-11	1.6E-01	1.4E-02	1.6E-13
2.2E+00	1.2E-06	1.0E-03	2.8E-09	1.6E-01	1.4E-02	6.1E-12	4.7E-01	1.3E-07	1.0E-03	6.5E-11	1.6E-01	1.4E-02	1.4E-13
1.6E+00	1.2E-06	1.0E-03	2.1E-09	1.6E-01	1.4E-02	4.5E-12	4.1E-01	1.3E-07	1.0E-03	5.7E-11	1.6E-01	1.4E-02	1.2E-13
1.3E+00	1.2E-06	1.0E-03	1.6E-09	1.6E-01	1.4E-02	3.5E-12	3.6E-01	1.3E-07	1.0E-03	5.0E-11	1.6E-01	1.4E-02	1.1E-13
9.8E-01	1.2E-06	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.7E-12	3.2E-01	1.3E-07	1.0E-03	4.4E-11	1.6E-01	1.4E-02	9.5E-14
7.8E-01	1.2E-06	1.0E-03	1.0E-09	1.6E-01	1.4E-02	2.2E-12	2.8E-01	1.3E-07	1.0E-03	3.9E-11	1.6E-01	1.4E-02	8.3E-14
6.3E-01	1.2E-06	1.0E-03	8.1E-10	1.6E-01	1.4E-02	1.7E-12	2.4E-01	1.3E-07	1.0E-03	3.4E-11	1.6E-01	1.4E-02	7.3E-14
4.7E-01	1.2E-06	1.0E-03	6.1E-10	1.6E-01	1.4E-02	1.3E-12	5.3E-01	1.3E-07	1.0E-03	7.3E-11	1.6E-01	1.4E-02	1.6E-13
5.9E-01	1.2E-06	1.0E-03	7.6E-10	1.6E-01	1.4E-02	1.6E-12	5.7E-01	1.3E-07	1.0E-03	7.9E-11	1.6E-01	1.4E-02	1.7E-13
7.6E-01	1.2E-06	1.0E-03	9.8E-10	1.6E-01	1.4E-02	2.1E-12	6.0E-01	1.3E-07	1.0E-03	8.2E-11	1.6E-01	1.4E-02	1.8E-13
1.0E+00	1.2E-06	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.8E-12	6.1E-01	1.3E-07	1.0E-03	8.5E-11	1.6E-01	1.4E-02	1.8E-13
1.4E+00	1.2E-06	1.0E-03	1.8E-09	1.6E-01	1.4E-02	3.8E-12	6.2E-01	1.3E-07	1.0E-03	8.5E-11	1.6E-01	1.4E-02	1.8E-13
1.8E+00	1.2E-06	1.0E-03	2.3E-09	1.6E-01	1.4E-02	5.0E-12	6.1E-01	1.3E-07	1.0E-03	8.4E-11	1.6E-01	1.4E-02	1.8E-13
2.2E+00	1.2E-06	1.0E-03	2.9E-09	1.6E-01	1.4E-02	6.2E-12	5.8E-01	1.3E-07	1.0E-03	8.1E-11	1.6E-01	1.4E-02	1.7E-13
2.5E+00	1.2E-06	1.0E-03	3.2E-09	1.6E-01	1.4E-02	6.8E-12	5.5E-01	1.3E-07	1.0E-03	7.6E-11	1.6E-01	1.4E-02	1.6E-13
2.4E+00	1.2E-06	1.0E-03	3.1E-09	1.6E-01	1.4E-02	6.7E-12	5.1E-01	1.3E-07	1.0E-03	7.0E-11	1.6E-01	1.4E-02	1.5E-13
2.1E+00	1.2E-06	1.0E-03	2.7E-09	1.6E-01	1.4E-02	5.9E-12	4.6E-01	1.3E-07	1.0E-03	6.4E-11	1.6E-01	1.4E-02	1.4E-13
1.7E+00	1.2E-06	1.0E-03	2.2E-09	1.6E-01	1.4E-02	4.8E-12	4.2E-01	1.3E-07	1.0E-03	5.8E-11	1.6E-01	1.4E-02	1.2E-13
1.3E+00	1.2E-06	1.0E-03	1.7E-09	1.6E-01	1.4E-02	3.7E-12	3.7E-01	1.3E-07	1.0E-03	5.1E-11	1.6E-01	1.4E-02	1.1E-13
1.1E+00	1.2E-06	1.0E-03	1.4E-09	1.6E-01	1.4E-02	2.9E-12	3.2E-01	1.3E-07	1.0E-03	4.5E-11	1.6E-01	1.4E-02	9.7E-14
8.7E-01	1.2E-06	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.4E-12	2.9E-01	1.3E-07	1.0E-03	4.1E-11	1.6E-01	1.4E-02	8.8E-14
7.0E-01	1.2E-06	1.0E-03	9.1E-10	1.6E-01	1.4E-02	2.0E-12	2.6E-01	1.3E-07	1.0E-03	3.6E-11	1.6E-01	1.4E-02	7.8E-14
5.7E-01	1.2E-06	1.0E-03	7.4E-10	1.6E-01	1.4E-02	1.6E-12	2.3E-01	1.3E-07	1.0E-03	3.2E-11	1.6E-01	1.4E-02	6.9E-14
4.1E-01	1.2E-06	1.0E-03	5.3E-10	1.6E-01	1.4E-02	1.1E-12	4.4E-01	1.3E-07	1.0E-03	6.0E-11	1.6E-01	1.4E-02	1.3E-13

5.0E-01	1.2E-06	1.0E-03	6.5E-10	1.6E-01	1.4E-02	1.4E-12	4.7E-01	1.3E-07	1.0E-03	6.5E-11	1.6E-01	1.4E-02	1.4E-13
6.2E-01	1.2E-06	1.0E-03	8.0E-10	1.6E-01	1.4E-02	1.7E-12	4.9E-01	1.3E-07	1.0E-03	6.8E-11	1.6E-01	1.4E-02	1.5E-13
8.0E-01	1.2E-06	1.0E-03	1.0E-09	1.6E-01	1.4E-02	2.2E-12	5.0E-01	1.3E-07	1.0E-03	7.0E-11	1.6E-01	1.4E-02	1.5E-13
1.0E+00	1.2E-06	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.9E-12	5.1E-01	1.3E-07	1.0E-03	7.0E-11	1.6E-01	1.4E-02	1.5E-13
1.3E+00	1.2E-06	1.0E-03	1.7E-09	1.6E-01	1.4E-02	3.6E-12	5.0E-01	1.3E-07	1.0E-03	7.0E-11	1.6E-01	1.4E-02	1.5E-13
1.5E+00	1.2E-06	1.0E-03	2.0E-09	1.6E-01	1.4E-02	4.2E-12	4.9E-01	1.3E-07	1.0E-03	6.7E-11	1.6E-01	1.4E-02	1.5E-13
1.7E+00	1.2E-06	1.0E-03	2.1E-09	1.6E-01	1.4E-02	4.6E-12	4.7E-01	1.3E-07	1.0E-03	6.4E-11	1.6E-01	1.4E-02	1.4E-13
1.7E+00	1.2E-06	1.0E-03	2.2E-09	1.6E-01	1.4E-02	4.6E-12	4.4E-01	1.3E-07	1.0E-03	6.0E-11	1.6E-01	1.4E-02	1.3E-13
1.6E+00	1.2E-06	1.0E-03	2.0E-09	1.6E-01	1.4E-02	4.3E-12	4.0E-01	1.3E-07	1.0E-03	5.6E-11	1.6E-01	1.4E-02	1.2E-13
1.4E+00	1.2E-06	1.0E-03	1.7E-09	1.6E-01	1.4E-02	3.8E-12	3.7E-01	1.3E-07	1.0E-03	5.1E-11	1.6E-01	1.4E-02	1.1E-13
1.1E+00	1.2E-06	1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.1E-12	3.3E-01	1.3E-07	1.0E-03	4.6E-11	1.6E-01	1.4E-02	1.0E-13
9.0E-01	1.2E-06	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.5E-12	2.9E-01	1.3E-07	1.0E-03	4.1E-11	1.6E-01	1.4E-02	8.8E-14
7.7E-01	1.2E-06	1.0E-03	9.9E-10	1.6E-01	1.4E-02	2.1E-12	2.7E-01	1.3E-07	1.0E-03	3.7E-11	1.6E-01	1.4E-02	8.0E-14
6.4E-01	1.2E-06	1.0E-03	8.2E-10	1.6E-01	1.4E-02	1.8E-12	2.4E-01	1.3E-07	1.0E-03	3.4E-11	1.6E-01	1.4E-02	7.3E-14
5.3E-01	1.2E-06	1.0E-03	6.8E-10	1.6E-01	1.4E-02	1.5E-12	2.2E-01	1.3E-07	1.0E-03	3.0E-11	1.6E-01	1.4E-02	6.5E-14
3.6E-01	1.2E-06	1.0E-03	4.7E-10	1.6E-01	1.4E-02	1.0E-12	3.7E-01	1.3E-07	1.0E-03	5.1E-11	1.6E-01	1.4E-02	1.1E-13
4.3E-01	1.2E-06	1.0E-03	5.6E-10	1.6E-01	1.4E-02	1.2E-12	3.9E-01	1.3E-07	1.0E-03	5.4E-11	1.6E-01	1.4E-02	1.2E-13
5.3E-01	1.2E-06	1.0E-03	6.8E-10	1.6E-01	1.4E-02	1.5E-12	4.1E-01	1.3E-07	1.0E-03	5.7E-11	1.6E-01	1.4E-02	1.2E-13
6.5E-01	1.2E-06	1.0E-03	8.4E-10	1.6E-01	1.4E-02	1.8E-12	4.2E-01	1.3E-07	1.0E-03	5.8E-11	1.6E-01	1.4E-02	1.3E-13
8.0E-01	1.2E-06	1.0E-03	1.0E-09	1.6E-01	1.4E-02	2.2E-12	4.3E-01	1.3E-07	1.0E-03	5.9E-11	1.6E-01	1.4E-02	1.3E-13
9.6E-01	1.2E-06	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.7E-12	4.2E-01	1.3E-07	1.0E-03	5.9E-11	1.6E-01	1.4E-02	1.3E-13
1.1E+00	1.2E-06	1.0E-03	1.4E-09	1.6E-01	1.4E-02	3.1E-12	4.1E-01	1.3E-07	1.0E-03	5.7E-11	1.6E-01	1.4E-02	1.2E-13
1.2E+00	1.2E-06	1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.3E-12	4.0E-01	1.3E-07	1.0E-03	5.5E-11	1.6E-01	1.4E-02	1.2E-13
1.2E+00	1.2E-06	1.0E-03	1.6E-09	1.6E-01	1.4E-02	3.4E-12	3.8E-01	1.3E-07	1.0E-03	5.2E-11	1.6E-01	1.4E-02	1.1E-13
1.2E+00	1.2E-06	1.0E-03	1.5E-09	1.6E-01	1.4E-02	3.2E-12	3.5E-01	1.3E-07	1.0E-03	4.9E-11	1.6E-01	1.4E-02	1.0E-13
1.0E+00	1.2E-06	1.0E-03	1.3E-09	1.6E-01	1.4E-02	2.8E-12	3.2E-01	1.3E-07	1.0E-03	4.4E-11	1.6E-01	1.4E-02	9.6E-14
9.0E-01	1.2E-06	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.5E-12	3.0E-01	1.3E-07	1.0E-03	4.1E-11	1.6E-01	1.4E-02	8.8E-14
7.8E-01	1.2E-06	1.0E-03	1.0E-09	1.6E-01	1.4E-02	2.2E-12	2.7E-01	1.3E-07	1.0E-03	3.7E-11	1.6E-01	1.4E-02	8.0E-14
6.4E-01	1.2E-06	1.0E-03	8.3E-10	1.6E-01	1.4E-02	1.8E-12	2.4E-01	1.3E-07	1.0E-03	3.3E-11	1.6E-01	1.4E-02	7.2E-14
5.7E-01	1.2E-06	1.0E-03	7.4E-10	1.6E-01	1.4E-02	1.6E-12	2.3E-01	1.3E-07	1.0E-03	3.1E-11	1.6E-01	1.4E-02	6.7E-14
4.9E-01	1.2E-06	1.0E-03	6.3E-10	1.6E-01	1.4E-02	1.4E-12	2.1E-01	1.3E-07	1.0E-03	2.8E-11	1.6E-01	1.4E-02	6.1E-14
3.2E-01	1.2E-06	1.0E-03	4.1E-10	1.6E-01	1.4E-02	8.8E-13	3.1E-01	1.3E-07	1.0E-03	4.3E-11	1.6E-01	1.4E-02	9.4E-14
3.7E-01	1.2E-06	1.0E-03	4.8E-10	1.6E-01	1.4E-02	1.0E-12	3.3E-01	1.3E-07	1.0E-03	4.6E-11	1.6E-01	1.4E-02	9.9E-14
4.5E-01	1.2E-06	1.0E-03	5.7E-10	1.6E-01	1.4E-02	1.2E-12	3.5E-01	1.3E-07	1.0E-03	4.8E-11	1.6E-01	1.4E-02	1.0E-13
5.3E-01	1.2E-06	1.0E-03	6.9E-10	1.6E-01	1.4E-02	1.5E-12	3.6E-01	1.3E-07	1.0E-03	4.9E-11	1.6E-01	1.4E-02	1.1E-13
6.4E-01	1.2E-06	1.0E-03	8.2E-10	1.6E-01	1.4E-02	1.8E-12	3.6E-01	1.3E-07	1.0E-03	5.0E-11	1.6E-01	1.4E-02	1.1E-13
7.4E-01	1.2E-06	1.0E-03	9.6E-10	1.6E-01	1.4E-02	2.1E-12	3.6E-01	1.3E-07	1.0E-03	5.0E-11	1.6E-01	1.4E-02	1.1E-13
8.4E-01	1.2E-06	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.3E-12	3.5E-01	1.3E-07	1.0E-03	4.9E-11	1.6E-01	1.4E-02	1.1E-13
9.0E-01	1.2E-06	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.5E-12	3.4E-01	1.3E-07	1.0E-03	4.7E-11	1.6E-01	1.4E-02	1.0E-13
9.2E-01	1.2E-06	1.0E-03	1.2E-09	1.6E-01	1.4E-02	2.5E-12	3.3E-01	1.3E-07	1.0E-03	4.5E-11	1.6E-01	1.4E-02	9.8E-14
8.9E-01	1.2E-06	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.5E-12	3.1E-01	1.3E-07	1.0E-03	4.3E-11	1.6E-01	1.4E-02	9.2E-14
8.4E-01	1.2E-06	1.0E-03	1.1E-09	1.6E-01	1.4E-02	2.3E-12	2.9E-01	1.3E-07	1.0E-03	4.0E-11	1.6E-01	1.4E-02	8.7E-14
7.7E-01	1.2E-06	1.0E-03	9.9E-10	1.6E-01	1.4E-02	2.1E-12	2.7E-01	1.3E-07	1.0E-03	3.8E-11	1.6E-01	1.4E-02	8.1E-14
6.8E-01	1.2E-06	1.0E-03	8.8E-10	1.6E-01	1.4E-02	1.9E-12	2.5E-01	1.3E-07	1.0E-03	3.5E-11	1.6E-01	1.4E-02	7.5E-14
5.6E-01	1.2E-06	1.0E-03	7.2E-10	1.6E-01	1.4E-02	1.6E-12	2.2E-01	1.3E-07	1.0E-03	3.1E-11	1.6E-01	1.4E-02	6.6E-14
4.9E-01	1.2E-06	1.0E-03	6.3E-10	1.6E-01	1.4E-02	1.3E-12	2.0E-01	1.3E-07	1.0E-03	2.8E-11	1.6E-01	1.4E-02	6.0E-14

4.5E-01	1.2E-06	1.0E-03	5.7E-10	1.6E-01	1.4E-02	1.2E-12	1.9E-01	1.3E-07	1.0E-03	2.7E-11	1.6E-01	1.4E-02	5.7E-14
2.8E-01	1.2E-06	1.0E-03	3.6E-10	1.6E-01	1.4E-02	7.8E-13	2.7E-01	1.3E-07	1.0E-03	3.8E-11	1.6E-01	1.4E-02	8.1E-14
3.3E-01	1.2E-06	1.0E-03	4.2E-10	1.6E-01	1.4E-02	9.1E-13	2.9E-01	1.3E-07	1.0E-03	4.0E-11	1.6E-01	1.4E-02	8.5E-14
3.8E-01	1.2E-06	1.0E-03	4.9E-10	1.6E-01	1.4E-02	1.1E-12	3.0E-01	1.3E-07	1.0E-03	4.1E-11	1.6E-01	1.4E-02	8.9E-14
4.5E-01	1.2E-06	1.0E-03	5.8E-10	1.6E-01	1.4E-02	1.2E-12	3.1E-01	1.3E-07	1.0E-03	4.2E-11	1.6E-01	1.4E-02	9.1E-14
5.2E-01	1.2E-06	1.0E-03	6.7E-10	1.6E-01	1.4E-02	1.4E-12	3.1E-01	1.3E-07	1.0E-03	4.3E-11	1.6E-01	1.4E-02	9.3E-14
5.9E-01	1.2E-06	1.0E-03	7.6E-10	1.6E-01	1.4E-02	1.6E-12	3.1E-01	1.3E-07	1.0E-03	4.3E-11	1.6E-01	1.4E-02	9.3E-14
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7.0E-01	1.2E-06	1.0E-03	9.0E-10	1.6E-01	1.4E-02	1.9E-12	3.0E-01	1.3E-07	1.0E-03	4.1E-11	1.6E-01	1.4E-02	8.9E-14
7.2E-01	1.2E-06	1.0E-03	9.3E-10	1.6E-01	1.4E-02	2.0E-12	2.9E-01	1.3E-07	1.0E-03	4.0E-11	1.6E-01	1.4E-02	8.6E-14
7.1E-01	1.2E-06	1.0E-03	9.2E-10	1.6E-01	1.4E-02	2.0E-12	2.7E-01	1.3E-07	1.0E-03	3.8E-11	1.6E-01	1.4E-02	8.2E-14
6.9E-01	1.2E-06	1.0E-03	8.8E-10	1.6E-01	1.4E-02	1.9E-12	2.6E-01	1.3E-07	1.0E-03	3.6E-11	1.6E-01	1.4E-02	7.8E-14
6.4E-01	1.2E-06	1.0E-03	8.2E-10	1.6E-01	1.4E-02	1.8E-12	2.4E-01	1.3E-07	1.0E-03	3.4E-11	1.6E-01	1.4E-02	7.3E-14
5.8E-01	1.2E-06	1.0E-03	7.5E-10	1.6E-01	1.4E-02	1.6E-12	2.3E-01	1.3E-07	1.0E-03	3.2E-11	1.6E-01	1.4E-02	6.8E-14
5.2E-01	1.2E-06	1.0E-03	6.7E-10	1.6E-01	1.4E-02	1.4E-12	2.1E-01	1.3E-07	1.0E-03	2.9E-11	1.6E-01	1.4E-02	6.3E-14
4.3E-01	1.2E-06	1.0E-03	5.6E-10	1.6E-01	1.4E-02	1.2E-12	1.9E-01	1.3E-07	1.0E-03	2.6E-11	1.6E-01	1.4E-02	5.6E-14
3.8E-01	1.2E-06	1.0E-03	4.9E-10	1.6E-01	1.4E-02	1.1E-12	1.7E-01	1.3E-07	1.0E-03	2.4E-11	1.6E-01	1.4E-02	5.1E-14
2.5E-01	1.2E-06	1.0E-03	3.2E-10	1.6E-01	1.4E-02	6.9E-13	2.4E-01	1.3E-07	1.0E-03	3.3E-11	1.6E-01	1.4E-02	7.1E-14
2.9E-01	1.2E-06	1.0E-03	3.7E-10	1.6E-01	1.4E-02	7.9E-13	2.5E-01	1.3E-07	1.0E-03	3.5E-11	1.6E-01	1.4E-02	7.4E-14
3.3E-01	1.2E-06	1.0E-03	4.2E-10	1.6E-01	1.4E-02	9.1E-13	2.6E-01	1.3E-07	1.0E-03	3.6E-11	1.6E-01	1.4E-02	7.7E-14
3.8E-01	1.2E-06	1.0E-03	4.9E-10	1.6E-01	1.4E-02	1.0E-12	2.7E-01	1.3E-07	1.0E-03	3.7E-11	1.6E-01	1.4E-02	7.9E-14
4.3E-01	1.2E-06	1.0E-03	5.6E-10	1.6E-01	1.4E-02	1.2E-12	2.7E-01	1.3E-07	1.0E-03	3.7E-11	1.6E-01	1.4E-02	8.0E-14
4.9E-01	1.2E-06	1.0E-03	6.2E-10	1.6E-01	1.4E-02	1.3E-12	2.7E-01	1.3E-07	1.0E-03	3.7E-11	1.6E-01	1.4E-02	8.1E-14
5.3E-01	1.2E-06	1.0E-03	6.8E-10	1.6E-01	1.4E-02	1.5E-12	2.7E-01	1.3E-07	1.0E-03	3.7E-11	1.6E-01	1.4E-02	8.0E-14
5.6E-01	1.2E-06	1.0E-03	7.3E-10	1.6E-01	1.4E-02	1.6E-12	2.6E-01	1.3E-07	1.0E-03	3.6E-11	1.6E-01	1.4E-02	7.8E-14
5.8E-01	1.2E-06	1.0E-03	7.5E-10	1.6E-01	1.4E-02	1.6E-12	2.5E-01	1.3E-07	1.0E-03	3.5E-11	1.6E-01	1.4E-02	7.6E-14
5.8E-01	1.2E-06	1.0E-03	7.5E-10	1.6E-01	1.4E-02	1.6E-12	2.4E-01	1.3E-07	1.0E-03	3.4E-11	1.6E-01	1.4E-02	7.3E-14
5.6E-01	1.2E-06	1.0E-03	7.2E-10	1.6E-01	1.4E-02	1.6E-12	2.3E-01	1.3E-07	1.0E-03	3.2E-11	1.6E-01	1.4E-02	7.0E-14
5.3E-01	1.2E-06	1.0E-03	6.9E-10	1.6E-01	1.4E-02	1.5E-12	2.2E-01	1.3E-07	1.0E-03	3.1E-11	1.6E-01	1.4E-02	6.6E-14
5.0E-01	1.2E-06	1.0E-03	6.4E-10	1.6E-01	1.4E-02	1.4E-12	2.1E-01	1.3E-07	1.0E-03	2.9E-11	1.6E-01	1.4E-02	6.2E-14
4.5E-01	1.2E-06	1.0E-03	5.9E-10	1.6E-01	1.4E-02	1.3E-12	1.9E-01	1.3E-07	1.0E-03	2.7E-11	1.6E-01	1.4E-02	5.8E-14
4.0E-01	1.2E-06	1.0E-03	5.2E-10	1.6E-01	1.4E-02	1.1E-12	1.8E-01	1.3E-07	1.0E-03	2.5E-11	1.6E-01	1.4E-02	5.3E-14
3.4E-01	1.2E-06	1.0E-03	4.4E-10	1.6E-01	1.4E-02	9.5E-13	1.6E-01	1.3E-07	1.0E-03	2.2E-11	1.6E-01	1.4E-02	4.8E-14
2.2E-01	1.2E-06	1.0E-03	2.9E-10	1.6E-01	1.4E-02	6.2E-13	2.1E-01	1.3E-07	1.0E-03	2.9E-11	1.6E-01	1.4E-02	6.2E-14
2.5E-01	1.2E-06	1.0E-03	3.2E-10	1.6E-01	1.4E-02	7.0E-13	2.2E-01	1.3E-07	1.0E-03	3.0E-11	1.6E-01	1.4E-02	6.5E-14
2.9E-01	1.2E-06	1.0E-03	3.7E-10	1.6E-01	1.4E-02	7.9E-13	2.3E-01	1.3E-07	1.0E-03	3.1E-11	1.6E-01	1.4E-02	6.8E-14
3.3E-01	1.2E-06	1.0E-03	4.2E-10	1.6E-01	1.4E-02	9.0E-13	2.3E-01	1.3E-07	1.0E-03	3.2E-11	1.6E-01	1.4E-02	6.9E-14
3.7E-01	1.2E-06	1.0E-03	4.7E-10	1.6E-01	1.4E-02	1.0E-12	2.4E-01	1.3E-07	1.0E-03	3.3E-11	1.6E-01	1.4E-02	7.0E-14
4.0E-01	1.2E-06	1.0E-03	5.2E-10	1.6E-01	1.4E-02	1.1E-12	2.4E-01	1.3E-07	1.0E-03	3.3E-11	1.6E-01	1.4E-02	7.1E-14
4.4E-01	1.2E-06	1.0E-03	5.6E-10	1.6E-01	1.4E-02	1.2E-12	2.4E-01	1.3E-07	1.0E-03	3.3E-11	1.6E-01	1.4E-02	7.0E-14
4.6E-01	1.2E-06	1.0E-03	6.0E-10	1.6E-01	1.4E-02	1.3E-12	2.3E-01	1.3E-07	1.0E-03	3.2E-11	1.6E-01	1.4E-02	6.9E-14
4.8E-01	1.2E-06	1.0E-03	6.1E-10	1.6E-01	1.4E-02	1.3E-12	2.3E-01	1.3E-07	1.0E-03	3.1E-11	1.6E-01	1.4E-02	6.7E-14
4.8E-01	1.2E-06	1.0E-03	6.2E-10	1.6E-01	1.4E-02	1.3E-12	2.2E-01	1.3E-07	1.0E-03	3.0E-11	1.6E-01	1.4E-02	6.5E-14
4.7E-01	1.2E-06	1.0E-03	6.0E-10	1.6E-01	1.4E-02	1.3E-12	2.1E-01	1.3E-07	1.0E-03	2.9E-11	1.6E-01	1.4E-02	6.3E-14
4.5E-01	1.2E-06	1.0E-03	5.8E-10	1.6E-01	1.4E-02	1.2E-12	2.0E-01	1.3E-07	1.0E-03	2.8E-11	1.6E-01	1.4E-02	6.0E-14
4.3E-01	1.2E-06	1.0E-03	5.5E-10	1.6E-01	1.4E-02	1.2E-12	1.9E-01	1.3E-07	1.0E-03	2.6E-11	1.6E-01	1.4E-02	5.7E-14

4.0E-01	1.2E-06	1.0E-03	5.1E-10	1.6E-01	1.4E-02	1.1E-12	1.8E-01	1.3E-07	1.0E-03	2.5E-11	1.6E-01	1.4E-02	5.3E-14
3.6E-01	1.2E-06	1.0E-03	4.6E-10	1.6E-01	1.4E-02	1.0E-12	1.7E-01	1.3E-07	1.0E-03	2.3E-11	1.6E-01	1.4E-02	5.0E-14
3.1E-01	1.2E-06	1.0E-03	4.0E-10	1.6E-01	1.4E-02	8.6E-13	1.5E-01	1.3E-07	1.0E-03	2.1E-11	1.6E-01	1.4E-02	4.5E-14
1.4E+01	1.2E-06	1.0E-03	1.8E-08	1.6E-01	1.4E-02	3.9E-11	2.2E+00	1.3E-07	1.0E-03	3.0E-10	1.6E-01	1.4E-02	6.6E-13
1.8E+01	1.2E-06	1.0E-03	2.4E-08	1.6E-01	1.4E-02	5.1E-11	2.2E+00	1.3E-07	1.0E-03	3.0E-10	1.6E-01	1.4E-02	6.4E-13
2.4E+01	1.2E-06	1.0E-03	3.1E-08	1.6E-01	1.4E-02	6.7E-11	2.1E+00	1.3E-07	1.0E-03	2.9E-10	1.6E-01	1.4E-02	6.3E-13
3.2E+01	1.2E-06	1.0E-03	4.1E-08	1.6E-01	1.4E-02	8.8E-11	2.1E+00	1.3E-07	1.0E-03	2.8E-10	1.6E-01	1.4E-02	6.1E-13
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5.4E+01	1.2E-06	1.0E-03	6.9E-08	1.6E-01	1.4E-02	1.5E-10	1.9E+00	1.3E-07	1.0E-03	2.7E-10	1.6E-01	1.4E-02	5.8E-13
6.3E+01	1.2E-06	1.0E-03	8.1E-08	1.6E-01	1.4E-02	1.7E-10	1.9E+00	1.3E-07	1.0E-03	2.6E-10	1.6E-01	1.4E-02	5.6E-13
6.8E+01	1.2E-06	1.0E-03	8.8E-08	1.6E-01	1.4E-02	1.9E-10	1.8E+00	1.3E-07	1.0E-03	2.5E-10	1.6E-01	1.4E-02	5.4E-13
7.0E+01	1.2E-06	1.0E-03	9.0E-08	1.6E-01	1.4E-02	1.9E-10	1.7E+00	1.3E-07	1.0E-03	2.4E-10	1.6E-01	1.4E-02	5.2E-13
6.8E+01	1.2E-06	1.0E-03	8.7E-08	1.6E-01	1.4E-02	1.9E-10	1.7E+00	1.3E-07	1.0E-03	2.3E-10	1.6E-01	1.4E-02	5.0E-13
6.1E+01	1.2E-06	1.0E-03	7.8E-08	1.6E-01	1.4E-02	1.7E-10	1.6E+00	1.3E-07	1.0E-03	2.2E-10	1.6E-01	1.4E-02	4.8E-13
5.1E+01	1.2E-06	1.0E-03	6.6E-08	1.6E-01	1.4E-02	1.4E-10	1.5E+00	1.3E-07	1.0E-03	2.1E-10	1.6E-01	1.4E-02	4.6E-13
4.2E+01	1.2E-06	1.0E-03	5.4E-08	1.6E-01	1.4E-02	1.2E-10	1.5E+00	1.3E-07	1.0E-03	2.0E-10	1.6E-01	1.4E-02	4.4E-13
3.5E+01	1.2E-06	1.0E-03	4.5E-08	1.6E-01	1.4E-02	9.6E-11	1.4E+00	1.3E-07	1.0E-03	2.0E-10	1.6E-01	1.4E-02	4.2E-13
2.9E+01	1.2E-06	1.0E-03	3.7E-08	1.6E-01	1.4E-02	7.9E-11	1.3E+00	1.3E-07	1.0E-03	1.9E-10	1.6E-01	1.4E-02	4.0E-13
2.4E+01	1.2E-06	1.0E-03	3.1E-08	1.6E-01	1.4E-02	6.6E-11	1.3E+00	1.3E-07	1.0E-03	1.8E-10	1.6E-01	1.4E-02	3.8E-13
2.0E+01	1.2E-06	1.0E-03	2.6E-08	1.6E-01	1.4E-02	5.6E-11	1.2E+00	1.3E-07	1.0E-03	1.7E-10	1.6E-01	1.4E-02	3.7E-13
1.7E+01	1.2E-06	1.0E-03	2.2E-08	1.6E-01	1.4E-02	4.7E-11	1.2E+00	1.3E-07	1.0E-03	1.6E-10	1.6E-01	1.4E-02	3.5E-13
1.5E+01	1.2E-06	1.0E-03	1.9E-08	1.6E-01	1.4E-02	4.0E-11	1.1E+00	1.3E-07	1.0E-03	1.5E-10	1.6E-01	1.4E-02	3.3E-13
1.3E+01	1.2E-06	1.0E-03	1.6E-08	1.6E-01	1.4E-02	3.5E-11	1.1E+00	1.3E-07	1.0E-03	1.5E-10	1.6E-01	1.4E-02	3.1E-13
1.1E+01	1.2E-06	1.0E-03	1.4E-08	1.6E-01	1.4E-02	3.0E-11	1.0E+00	1.3E-07	1.0E-03	1.4E-10	1.6E-01	1.4E-02	3.0E-13
9.6E+00	1.2E-06	1.0E-03	1.2E-08	1.6E-01	1.4E-02	2.7E-11	9.5E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	1.4E-02	2.8E-13
8.5E+00	1.2E-06	1.0E-03	1.1E-08	1.6E-01	1.4E-02	2.3E-11	9.1E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	1.4E-02	2.7E-13
7.5E+00	1.2E-06	1.0E-03	9.7E-09	1.6E-01	1.4E-02	2.1E-11	8.7E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	1.4E-02	2.6E-13
6.7E+00	1.2E-06	1.0E-03	8.6E-09	1.6E-01	1.4E-02	1.9E-11	8.3E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.5E-13
6.0E+00	1.2E-06	1.0E-03	7.8E-09	1.6E-01	1.4E-02	1.7E-11	7.9E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.3E-13
1.6E+01	1.2E-06	1.0E-03	2.1E-08	1.6E-01	1.4E-02	4.5E-11	2.0E+00	1.3E-07	1.0E-03	2.8E-10	1.6E-01	1.4E-02	6.1E-13
2.2E+01	1.2E-06	1.0E-03	2.8E-08	1.6E-01	1.4E-02	6.0E-11	2.0E+00	1.3E-07	1.0E-03	2.8E-10	1.6E-01	1.4E-02	6.0E-13
3.0E+01	1.2E-06	1.0E-03	3.9E-08	1.6E-01	1.4E-02	8.3E-11	2.0E+00	1.3E-07	1.0E-03	2.7E-10	1.6E-01	1.4E-02	5.8E-13
4.3E+01	1.2E-06	1.0E-03	5.5E-08	1.6E-01	1.4E-02	1.2E-10	1.9E+00	1.3E-07	1.0E-03	2.7E-10	1.6E-01	1.4E-02	5.7E-13
1.5E+01	1.2E-06	1.0E-03	2.0E-08	1.6E-01	1.4E-02	4.2E-11	1.9E+00	1.3E-07	1.0E-03	2.6E-10	1.6E-01	1.4E-02	5.6E-13
2.2E+01	1.2E-06	1.0E-03	2.8E-08	1.6E-01	1.4E-02	6.0E-11	1.8E+00	1.3E-07	1.0E-03	2.5E-10	1.6E-01	1.4E-02	5.4E-13
3.2E+01	1.2E-06	1.0E-03	4.1E-08	1.6E-01	1.4E-02	8.8E-11	1.8E+00	1.3E-07	1.0E-03	2.4E-10	1.6E-01	1.4E-02	5.2E-13
4.6E+01	1.2E-06	1.0E-03	6.0E-08	1.6E-01	1.4E-02	1.3E-10	1.7E+00	1.3E-07	1.0E-03	2.4E-10	1.6E-01	1.4E-02	5.1E-13
4.7E+01	1.2E-06	1.0E-03	6.1E-08	1.6E-01	1.4E-02	1.3E-10	1.6E+00	1.3E-07	1.0E-03	2.3E-10	1.6E-01	1.4E-02	4.9E-13
3.5E+01	1.2E-06	1.0E-03	4.5E-08	1.6E-01	1.4E-02	9.7E-11	1.6E+00	1.3E-07	1.0E-03	2.2E-10	1.6E-01	1.4E-02	4.7E-13
2.6E+01	1.2E-06	1.0E-03	3.4E-08	1.6E-01	1.4E-02	7.3E-11	1.5E+00	1.3E-07	1.0E-03	2.1E-10	1.6E-01	1.4E-02	4.5E-13
6.8E+01	1.2E-06	1.0E-03	8.8E-08	1.6E-01	1.4E-02	1.9E-10	1.5E+00	1.3E-07	1.0E-03	2.0E-10	1.6E-01	1.4E-02	4.4E-13
5.2E+01	1.2E-06	1.0E-03	6.7E-08	1.6E-01	1.4E-02	1.4E-10	1.4E+00	1.3E-07	1.0E-03	1.9E-10	1.6E-01	1.4E-02	4.2E-13
4.0E+01	1.2E-06	1.0E-03	5.2E-08	1.6E-01	1.4E-02	1.1E-10	1.3E+00	1.3E-07	1.0E-03	1.9E-10	1.6E-01	1.4E-02	4.0E-13
3.2E+01	1.2E-06	1.0E-03	4.1E-08	1.6E-01	1.4E-02	8.8E-11	1.3E+00	1.3E-07	1.0E-03	1.8E-10	1.6E-01	1.4E-02	3.8E-13
2.6E+01	1.2E-06	1.0E-03	3.3E-08	1.6E-01	1.4E-02	7.1E-11	1.2E+00	1.3E-07	1.0E-03	1.7E-10	1.6E-01	1.4E-02	3.7E-13
2.1E+01	1.2E-06	1.0E-03	2.7E-08	1.6E-01	1.4E-02	5.9E-11	1.2E+00	1.3E-07	1.0E-03	1.6E-10	1.6E-01	1.4E-02	3.5E-13

1.8E+01	1.2E-06	1.0E-03	2.3E-08	1.6E-01	1.4E-02	4.9E-11	1.1E+00	1.3E-07	1.0E-03	1.6E-10	1.6E-01	1.4E-02	3.3E-13
1.5E+01	1.2E-06	1.0E-03	1.9E-08	1.6E-01	1.4E-02	4.1E-11	1.1E+00	1.3E-07	1.0E-03	1.5E-10	1.6E-01	1.4E-02	3.2E-13
1.3E+01	1.2E-06	1.0E-03	1.6E-08	1.6E-01	1.4E-02	3.5E-11	1.0E+00	1.3E-07	1.0E-03	1.4E-10	1.6E-01	1.4E-02	3.0E-13
1.1E+01	1.2E-06	1.0E-03	1.4E-08	1.6E-01	1.4E-02	3.0E-11	9.7E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	1.4E-02	2.9E-13
9.6E+00	1.2E-06	1.0E-03	1.2E-08	1.6E-01	1.4E-02	2.6E-11	9.2E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	1.4E-02	2.8E-13
8.4E+00	1.2E-06	1.0E-03	1.1E-08	1.6E-01	1.4E-02	2.3E-11	8.8E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	1.4E-02	2.6E-13
7.4E+00	1.2E-06	1.0E-03	9.6E-09	1.6E-01	1.4E-02	2.1E-11	8.4E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	1.4E-02	2.5E-13
6.6E+00	1.2E-06	1.0E-03	8.5E-09	1.6E-01	1.4E-02	1.8E-11	8.0E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.4E-13
5.9E+00	1.2E-06	1.0E-03	7.6E-09	1.6E-01	1.4E-02	1.6E-11	7.7E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.3E-13
1.8E+01	1.2E-06	1.0E-03	2.3E-08	1.6E-01	1.4E-02	5.0E-11	1.9E+00	1.3E-07	1.0E-03	2.6E-10	1.6E-01	1.4E-02	5.7E-13
2.5E+01	1.2E-06	1.0E-03	3.2E-08	1.6E-01	1.4E-02	6.9E-11	1.9E+00	1.3E-07	1.0E-03	2.6E-10	1.6E-01	1.4E-02	5.6E-13
3.7E+01	1.2E-06	1.0E-03	4.7E-08	1.6E-01	1.4E-02	1.0E-10	1.8E+00	1.3E-07	1.0E-03	2.5E-10	1.6E-01	1.4E-02	5.5E-13
5.7E+01	1.2E-06	1.0E-03	7.3E-08	1.6E-01	1.4E-02	1.6E-10	1.8E+00	1.3E-07	1.0E-03	2.5E-10	1.6E-01	1.4E-02	5.3E-13
1.8E+01	1.2E-06	1.0E-03	2.3E-08	1.6E-01	1.4E-02	5.0E-11	1.7E+00	1.3E-07	1.0E-03	2.4E-10	1.6E-01	1.4E-02	5.2E-13
2.7E+01	1.2E-06	1.0E-03	3.5E-08	1.6E-01	1.4E-02	7.5E-11	1.7E+00	1.3E-07	1.0E-03	2.4E-10	1.6E-01	1.4E-02	5.1E-13
4.4E+01	1.2E-06	1.0E-03	5.6E-08	1.6E-01	1.4E-02	1.2E-10	1.7E+00	1.3E-07	1.0E-03	2.3E-10	1.6E-01	1.4E-02	4.9E-13
0.0E+00	1.2E-06	1.0E-03	0.0E+00	1.6E-01	1.4E-02	0.0E+00	1.6E+00	1.3E-07	1.0E-03	2.2E-10	1.6E-01	1.4E-02	4.8E-13
0.0E+00	1.2E-06	1.0E-03	0.0E+00	1.6E-01	1.4E-02	0.0E+00	1.6E+00	1.3E-07	1.0E-03	2.1E-10	1.6E-01	1.4E-02	4.6E-13
4.3E+01	1.2E-06	1.0E-03	5.6E-08	1.6E-01	1.4E-02	1.2E-10	1.5E+00	1.3E-07	1.0E-03	2.1E-10	1.6E-01	1.4E-02	4.5E-13
3.0E+01	1.2E-06	1.0E-03	3.9E-08	1.6E-01	1.4E-02	8.4E-11	1.4E+00	1.3E-07	1.0E-03	2.0E-10	1.6E-01	1.4E-02	4.3E-13
2.2E+01	1.2E-06	1.0E-03	2.9E-08	1.6E-01	1.4E-02	6.2E-11	1.4E+00	1.3E-07	1.0E-03	1.9E-10	1.6E-01	1.4E-02	4.1E-13
6.1E+01	1.2E-06	1.0E-03	7.9E-08	1.6E-01	1.4E-02	1.7E-10	1.3E+00	1.3E-07	1.0E-03	1.8E-10	1.6E-01	1.4E-02	4.0E-13
4.4E+01	1.2E-06	1.0E-03	5.7E-08	1.6E-01	1.4E-02	1.2E-10	1.3E+00	1.3E-07	1.0E-03	1.8E-10	1.6E-01	1.4E-02	3.8E-13
3.4E+01	1.2E-06	1.0E-03	4.3E-08	1.6E-01	1.4E-02	9.4E-11	1.2E+00	1.3E-07	1.0E-03	1.7E-10	1.6E-01	1.4E-02	3.7E-13
2.7E+01	1.2E-06	1.0E-03	3.4E-08	1.6E-01	1.4E-02	7.4E-11	1.2E+00	1.3E-07	1.0E-03	1.6E-10	1.6E-01	1.4E-02	3.5E-13
2.2E+01	1.2E-06	1.0E-03	2.8E-08	1.6E-01	1.4E-02	6.0E-11	1.1E+00	1.3E-07	1.0E-03	1.6E-10	1.6E-01	1.4E-02	3.4E-13
1.8E+01	1.2E-06	1.0E-03	2.3E-08	1.6E-01	1.4E-02	4.9E-11	1.1E+00	1.3E-07	1.0E-03	1.5E-10	1.6E-01	1.4E-02	3.2E-13
1.5E+01	1.2E-06	1.0E-03	1.9E-08	1.6E-01	1.4E-02	4.1E-11	1.0E+00	1.3E-07	1.0E-03	1.4E-10	1.6E-01	1.4E-02	3.1E-13
1.3E+01	1.2E-06	1.0E-03	1.6E-08	1.6E-01	1.4E-02	3.5E-11	9.8E-01	1.3E-07	1.0E-03	1.4E-10	1.6E-01	1.4E-02	2.9E-13
1.1E+01	1.2E-06	1.0E-03	1.4E-08	1.6E-01	1.4E-02	3.0E-11	9.4E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	1.4E-02	2.8E-13
9.4E+00	1.2E-06	1.0E-03	1.2E-08	1.6E-01	1.4E-02	2.6E-11	9.0E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	1.4E-02	2.7E-13
8.2E+00	1.2E-06	1.0E-03	1.1E-08	1.6E-01	1.4E-02	2.3E-11	8.6E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	1.4E-02	2.5E-13
7.3E+00	1.2E-06	1.0E-03	9.4E-09	1.6E-01	1.4E-02	2.0E-11	8.2E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.4E-13
6.5E+00	1.2E-06	1.0E-03	8.3E-09	1.6E-01	1.4E-02	1.8E-11	7.8E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.3E-13
5.8E+00	1.2E-06	1.0E-03	7.4E-09	1.6E-01	1.4E-02	1.6E-11	7.5E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	1.4E-02	2.2E-13
1.9E+01	1.2E-06	1.0E-03	2.4E-08	1.6E-01	1.4E-02	5.3E-11	1.8E+00	1.3E-07	1.0E-03	2.5E-10	1.6E-01	1.4E-02	5.3E-13
2.7E+01	1.2E-06	1.0E-03	3.5E-08	1.6E-01	1.4E-02	7.5E-11	1.8E+00	1.3E-07	1.0E-03	2.4E-10	1.6E-01	1.4E-02	5.2E-13
4.1E+01	1.2E-06	1.0E-03	5.3E-08	1.6E-01	1.4E-02	1.1E-10	1.7E+00	1.3E-07	1.0E-03	2.4E-10	1.6E-01	1.4E-02	5.1E-13
1.3E+01	1.2E-06	1.0E-03	1.7E-08	1.6E-01	1.4E-02	3.6E-11	1.7E+00	1.3E-07	1.0E-03	2.3E-10	1.6E-01	1.4E-02	5.0E-13
2.0E+01	1.2E-06	1.0E-03	2.5E-08	1.6E-01	1.4E-02	5.5E-11	1.6E+00	1.3E-07	1.0E-03	2.3E-10	1.6E-01	1.4E-02	4.9E-13
3.1E+01	1.2E-06	1.0E-03	4.0E-08	1.6E-01	1.4E-02	8.6E-11	1.6E+00	1.3E-07	1.0E-03	2.2E-10	1.6E-01	1.4E-02	4.8E-13
0.0E+00	1.2E-06	1.0E-03	0.0E+00	1.6E-01	1.4E-02	0.0E+00	1.6E+00	1.3E-07	1.0E-03	2.2E-10	1.6E-01	1.4E-02	4.6E-13
0.0E+00	1.2E-06	1.0E-03	0.0E+00	1.6E-01	1.4E-02	0.0E+00	1.5E+00	1.3E-07	1.0E-03	2.1E-10	1.6E-01	1.4E-02	4.5E-13
0.0E+00	1.2E-06	1.0E-03	0.0E+00	1.6E-01	1.4E-02	0.0E+00	1.5E+00	1.3E-07	1.0E-03	2.0E-10	1.6E-01	1.4E-02	4.4E-13
5.0E+01	1.2E-06	1.0E-03	6.4E-08	1.6E-01	1.4E-02	1.4E-10	1.4E+00	1.3E-07	1.0E-03	2.0E-10	1.6E-01	1.4E-02	4.2E-13
3.2E+01	1.2E-06	1.0E-03	4.1E-08	1.6E-01	1.4E-02	8.9E-11	1.4E+00	1.3E-07	1.0E-03	1.9E-10	1.6E-01	1.4E-02	4.1E-13

2.3E+01	1.2E-06	1.0E-03	3.0E-08	1.6E-01	1.4E-02	6.4E-11	1.3E+00	1.3E-07	1.0E-03	1.8E-10	1.6E-01	1.4E-02	3.9E-13
6.8E+01	1.2E-06	1.0E-03	8.8E-08	1.6E-01	1.4E-02	1.9E-10	1.3E+00	1.3E-07	1.0E-03	1.8E-10	1.6E-01	1.4E-02	3.8E-13
4.6E+01	1.2E-06	1.0E-03	6.0E-08	1.6E-01	1.4E-02	1.3E-10	1.2E+00	1.3E-07	1.0E-03	1.7E-10	1.6E-01	1.4E-02	3.6E-13
3.4E+01	1.2E-06	1.0E-03	4.4E-08	1.6E-01	1.4E-02	9.5E-11	1.2E+00	1.3E-07	1.0E-03	1.6E-10	1.6E-01	1.4E-02	3.5E-13
2.7E+01	1.2E-06	1.0E-03	3.4E-08	1.6E-01	1.4E-02	7.4E-11	1.1E+00	1.3E-07	1.0E-03	1.6E-10	1.6E-01	1.4E-02	3.4E-13
2.1E+01	1.2E-06	1.0E-03	2.8E-08	1.6E-01	1.4E-02	5.9E-11	1.1E+00	1.3E-07	1.0E-03	1.5E-10	1.6E-01	1.4E-02	3.2E-13
1.8E+01	1.2E-06	1.0E-03	2.3E-08	1.6E-01	1.4E-02	4.9E-11	1.0E+00	1.3E-07	1.0E-03	1.4E-10	1.6E-01	1.4E-02	3.1E-13
1.5E+01	1.2E-06	1.0E-03	1.9E-08	1.6E-01	1.4E-02	4.1E-11	9.9E-01	1.3E-07	1.0E-03	1.4E-10	1.6E-01	1.4E-02	3.0E-13
1.2E+01	1.2E-06	1.0E-03	1.6E-08	1.6E-01	1.4E-02	3.4E-11	9.5E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	1.4E-02	2.8E-13
1.1E+01	1.2E-06	1.0E-03	1.4E-08	1.6E-01	1.4E-02	2.9E-11	9.1E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	1.4E-02	2.7E-13
9.2E+00	1.2E-06	1.0E-03	1.2E-08	1.6E-01	1.4E-02	2.5E-11	8.7E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	1.4E-02	2.6E-13
8.0E+00	1.2E-06	1.0E-03	1.0E-08	1.6E-01	1.4E-02	2.2E-11	8.3E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.5E-13
7.0E+00	1.2E-06	1.0E-03	9.1E-09	1.6E-01	1.4E-02	2.0E-11	7.9E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.4E-13
6.3E+00	1.2E-06	1.0E-03	8.1E-09	1.6E-01	1.4E-02	1.7E-11	7.6E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.3E-13
5.6E+00	1.2E-06	1.0E-03	7.2E-09	1.6E-01	1.4E-02	1.6E-11	7.3E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	1.4E-02	2.2E-13
1.9E+01	1.2E-06	1.0E-03	2.4E-08	1.6E-01	1.4E-02	5.3E-11	1.7E+00	1.3E-07	1.0E-03	2.3E-10	1.6E-01	1.4E-02	5.0E-13
2.7E+01	1.2E-06	1.0E-03	3.5E-08	1.6E-01	1.4E-02	7.6E-11	1.6E+00	1.3E-07	1.0E-03	2.3E-10	1.6E-01	1.4E-02	4.9E-13
4.2E+01	1.2E-06	1.0E-03	5.4E-08	1.6E-01	1.4E-02	1.2E-10	1.6E+00	1.3E-07	1.0E-03	2.2E-10	1.6E-01	1.4E-02	4.8E-13
1.3E+01	1.2E-06	1.0E-03	1.7E-08	1.6E-01	1.4E-02	3.7E-11	1.6E+00	1.3E-07	1.0E-03	2.2E-10	1.6E-01	1.4E-02	4.7E-13
2.0E+01	1.2E-06	1.0E-03	2.6E-08	1.6E-01	1.4E-02	5.5E-11	1.5E+00	1.3E-07	1.0E-03	2.1E-10	1.6E-01	1.4E-02	4.6E-13
2.1E+01	1.2E-06	1.0E-03	2.6E-08	1.6E-01	1.4E-02	5.7E-11	1.0E+00	1.3E-07	1.0E-03	1.4E-10	1.6E-01	1.4E-02	3.1E-13
1.7E+01	1.2E-06	1.0E-03	2.2E-08	1.6E-01	1.4E-02	4.7E-11	1.0E+00	1.3E-07	1.0E-03	1.4E-10	1.6E-01	1.4E-02	3.0E-13
1.4E+01	1.2E-06	1.0E-03	1.8E-08	1.6E-01	1.4E-02	3.9E-11	9.5E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	1.4E-02	2.8E-13
1.2E+01	1.2E-06	1.0E-03	1.5E-08	1.6E-01	1.4E-02	3.3E-11	9.2E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	1.4E-02	2.7E-13
1.0E+01	1.2E-06	1.0E-03	1.3E-08	1.6E-01	1.4E-02	2.8E-11	8.8E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	1.4E-02	2.6E-13
8.8E+00	1.2E-06	1.0E-03	1.1E-08	1.6E-01	1.4E-02	2.4E-11	8.4E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	1.4E-02	2.5E-13
7.7E+00	1.2E-06	1.0E-03	9.9E-09	1.6E-01	1.4E-02	2.1E-11	8.1E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.4E-13
6.8E+00	1.2E-06	1.0E-03	8.7E-09	1.6E-01	1.4E-02	1.9E-11	7.7E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.3E-13
6.0E+00	1.2E-06	1.0E-03	7.7E-09	1.6E-01	1.4E-02	1.7E-11	7.4E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	1.4E-02	2.2E-13
5.4E+00	1.2E-06	1.0E-03	6.9E-09	1.6E-01	1.4E-02	1.5E-11	7.1E-01	1.3E-07	1.0E-03	9.8E-11	1.6E-01	1.4E-02	2.1E-13
1.8E+01	1.2E-06	1.0E-03	2.3E-08	1.6E-01	1.4E-02	5.0E-11	1.6E+00	1.3E-07	1.0E-03	2.2E-10	1.6E-01	1.4E-02	4.7E-13
2.6E+01	1.2E-06	1.0E-03	3.3E-08	1.6E-01	1.4E-02	7.1E-11	1.5E+00	1.3E-07	1.0E-03	2.1E-10	1.6E-01	1.4E-02	4.6E-13
3.8E+01	1.2E-06	1.0E-03	4.9E-08	1.6E-01	1.4E-02	1.0E-10	1.5E+00	1.3E-07	1.0E-03	2.1E-10	1.6E-01	1.4E-02	4.5E-13
1.2E+01	1.2E-06	1.0E-03	1.6E-08	1.6E-01	1.4E-02	3.5E-11	1.5E+00	1.3E-07	1.0E-03	2.1E-10	1.6E-01	1.4E-02	4.4E-13
1.8E+01	1.2E-06	1.0E-03	2.4E-08	1.6E-01	1.4E-02	5.1E-11	1.5E+00	1.3E-07	1.0E-03	2.0E-10	1.6E-01	1.4E-02	4.3E-13
1.9E+01	1.2E-06	1.0E-03	2.5E-08	1.6E-01	1.4E-02	5.3E-11	1.0E+00	1.3E-07	1.0E-03	1.4E-10	1.6E-01	1.4E-02	3.0E-13
1.6E+01	1.2E-06	1.0E-03	2.0E-08	1.6E-01	1.4E-02	4.4E-11	9.6E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	1.4E-02	2.9E-13
1.3E+01	1.2E-06	1.0E-03	1.7E-08	1.6E-01	1.4E-02	3.6E-11	9.2E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	1.4E-02	2.7E-13
1.1E+01	1.2E-06	1.0E-03	1.4E-08	1.6E-01	1.4E-02	3.1E-11	8.8E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	1.4E-02	2.6E-13
9.6E+00	1.2E-06	1.0E-03	1.2E-08	1.6E-01	1.4E-02	2.7E-11	8.5E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	1.4E-02	2.5E-13
8.3E+00	1.2E-06	1.0E-03	1.1E-08	1.6E-01	1.4E-02	2.3E-11	8.1E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.4E-13
7.3E+00	1.2E-06	1.0E-03	9.4E-09	1.6E-01	1.4E-02	2.0E-11	7.8E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.3E-13
6.4E+00	1.2E-06	1.0E-03	8.3E-09	1.6E-01	1.4E-02	1.8E-11	7.5E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	1.4E-02	2.2E-13
5.7E+00	1.2E-06	1.0E-03	7.4E-09	1.6E-01	1.4E-02	1.6E-11	7.2E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	1.4E-02	2.1E-13
5.1E+00	1.2E-06	1.0E-03	6.6E-09	1.6E-01	1.4E-02	1.4E-11	6.9E-01	1.3E-07	1.0E-03	9.6E-11	1.6E-01	1.4E-02	2.1E-13
1.6E+01	1.2E-06	1.0E-03	2.1E-08	1.6E-01	1.4E-02	4.6E-11	1.5E+00	1.3E-07	1.0E-03	2.0E-10	1.6E-01	1.4E-02	4.4E-13

2.2E+01	1.2E-06	1.0E-03	2.8E-08	1.6E-01	1.4E-02	6.1E-11	1.5E+00	1.3E-07	1.0E-03	2.0E-10	1.6E-01	1.4E-02	4.3E-13
3.1E+01	1.2E-06	1.0E-03	4.0E-08	1.6E-01	1.4E-02	8.6E-11	1.4E+00	1.3E-07	1.0E-03	2.0E-10	1.6E-01	1.4E-02	4.3E-13
4.5E+01	1.2E-06	1.0E-03	5.8E-08	1.6E-01	1.4E-02	1.2E-10	1.4E+00	1.3E-07	1.0E-03	1.9E-10	1.6E-01	1.4E-02	4.2E-13
1.5E+01	1.2E-06	1.0E-03	2.0E-08	1.6E-01	1.4E-02	4.2E-11	1.4E+00	1.3E-07	1.0E-03	1.9E-10	1.6E-01	1.4E-02	4.1E-13
1.7E+01	1.2E-06	1.0E-03	2.2E-08	1.6E-01	1.4E-02	4.8E-11	9.6E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	1.4E-02	2.9E-13
1.4E+01	1.2E-06	1.0E-03	1.9E-08	1.6E-01	1.4E-02	4.0E-11	9.2E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	1.4E-02	2.8E-13
1.2E+01	1.2E-06	1.0E-03	1.6E-08	1.6E-01	1.4E-02	3.4E-11	8.9E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	1.4E-02	2.6E-13
1.0E+01	1.2E-06	1.0E-03	1.3E-08	1.6E-01	1.4E-02	2.9E-11	8.5E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	1.4E-02	2.5E-13
9.0E+00	1.2E-06	1.0E-03	1.2E-08	1.6E-01	1.4E-02	2.5E-11	8.2E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.4E-13
7.8E+00	1.2E-06	1.0E-03	1.0E-08	1.6E-01	1.4E-02	2.2E-11	7.9E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.4E-13
6.9E+00	1.2E-06	1.0E-03	8.8E-09	1.6E-01	1.4E-02	1.9E-11	7.6E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.3E-13
6.1E+00	1.2E-06	1.0E-03	7.8E-09	1.6E-01	1.4E-02	1.7E-11	7.3E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	1.4E-02	2.2E-13
5.4E+00	1.2E-06	1.0E-03	7.0E-09	1.6E-01	1.4E-02	1.5E-11	7.0E-01	1.3E-07	1.0E-03	9.7E-11	1.6E-01	1.4E-02	2.1E-13
4.9E+00	1.2E-06	1.0E-03	6.2E-09	1.6E-01	1.4E-02	1.3E-11	6.7E-01	1.3E-07	1.0E-03	9.3E-11	1.6E-01	1.4E-02	2.0E-13
1.5E+01	1.2E-06	1.0E-03	1.9E-08	1.6E-01	1.4E-02	4.0E-11	1.4E+00	1.3E-07	1.0E-03	1.9E-10	1.6E-01	1.4E-02	4.2E-13
1.9E+01	1.2E-06	1.0E-03	2.4E-08	1.6E-01	1.4E-02	5.2E-11	1.4E+00	1.3E-07	1.0E-03	1.9E-10	1.6E-01	1.4E-02	4.1E-13
2.5E+01	1.2E-06	1.0E-03	3.2E-08	1.6E-01	1.4E-02	6.9E-11	1.4E+00	1.3E-07	1.0E-03	1.9E-10	1.6E-01	1.4E-02	4.0E-13
3.3E+01	1.2E-06	1.0E-03	4.2E-08	1.6E-01	1.4E-02	9.1E-11	1.3E+00	1.3E-07	1.0E-03	1.8E-10	1.6E-01	1.4E-02	4.0E-13
4.4E+01	1.2E-06	1.0E-03	5.6E-08	1.6E-01	1.4E-02	1.2E-10	1.3E+00	1.3E-07	1.0E-03	1.8E-10	1.6E-01	1.4E-02	3.9E-13
1.5E+01	1.2E-06	1.0E-03	2.0E-08	1.6E-01	1.4E-02	4.2E-11	9.2E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	1.4E-02	2.7E-13
1.3E+01	1.2E-06	1.0E-03	1.7E-08	1.6E-01	1.4E-02	3.6E-11	8.9E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	1.4E-02	2.7E-13
1.1E+01	1.2E-06	1.0E-03	1.4E-08	1.6E-01	1.4E-02	3.1E-11	8.6E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	1.4E-02	2.6E-13
9.6E+00	1.2E-06	1.0E-03	1.2E-08	1.6E-01	1.4E-02	2.6E-11	8.3E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.5E-13
8.3E+00	1.2E-06	1.0E-03	1.1E-08	1.6E-01	1.4E-02	2.3E-11	8.0E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.4E-13
7.3E+00	1.2E-06	1.0E-03	9.4E-09	1.6E-01	1.4E-02	2.0E-11	7.7E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.3E-13
6.4E+00	1.2E-06	1.0E-03	8.3E-09	1.6E-01	1.4E-02	1.8E-11	7.4E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	1.4E-02	2.2E-13
5.7E+00	1.2E-06	1.0E-03	7.3E-09	1.6E-01	1.4E-02	1.6E-11	7.1E-01	1.3E-07	1.0E-03	9.8E-11	1.6E-01	1.4E-02	2.1E-13
5.1E+00	1.2E-06	1.0E-03	6.6E-09	1.6E-01	1.4E-02	1.4E-11	6.8E-01	1.3E-07	1.0E-03	9.4E-11	1.6E-01	1.4E-02	2.0E-13
4.6E+00	1.2E-06	1.0E-03	5.9E-09	1.6E-01	1.4E-02	1.3E-11	6.6E-01	1.3E-07	1.0E-03	9.1E-11	1.6E-01	1.4E-02	2.0E-13
1.3E+01	1.2E-06	1.0E-03	1.6E-08	1.6E-01	1.4E-02	3.5E-11	1.3E+00	1.3E-07	1.0E-03	1.8E-10	1.6E-01	1.4E-02	3.9E-13
1.6E+01	1.2E-06	1.0E-03	2.0E-08	1.6E-01	1.4E-02	4.3E-11	1.3E+00	1.3E-07	1.0E-03	1.8E-10	1.6E-01	1.4E-02	3.9E-13
2.0E+01	1.2E-06	1.0E-03	2.5E-08	1.6E-01	1.4E-02	5.4E-11	1.3E+00	1.3E-07	1.0E-03	1.8E-10	1.6E-01	1.4E-02	3.8E-13
2.4E+01	1.2E-06	1.0E-03	3.1E-08	1.6E-01	1.4E-02	6.8E-11	1.3E+00	1.3E-07	1.0E-03	1.7E-10	1.6E-01	1.4E-02	3.8E-13
3.0E+01	1.2E-06	1.0E-03	3.9E-08	1.6E-01	1.4E-02	8.4E-11	1.2E+00	1.3E-07	1.0E-03	1.7E-10	1.6E-01	1.4E-02	3.7E-13
1.3E+01	1.2E-06	1.0E-03	1.7E-08	1.6E-01	1.4E-02	3.7E-11	8.9E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	1.4E-02	2.6E-13
1.2E+01	1.2E-06	1.0E-03	1.5E-08	1.6E-01	1.4E-02	3.2E-11	8.6E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	1.4E-02	2.6E-13
1.0E+01	1.2E-06	1.0E-03	1.3E-08	1.6E-01	1.4E-02	2.8E-11	8.3E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.5E-13
8.7E+00	1.2E-06	1.0E-03	1.1E-08	1.6E-01	1.4E-02	2.4E-11	8.0E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.4E-13
7.7E+00	1.2E-06	1.0E-03	9.9E-09	1.6E-01	1.4E-02	2.1E-11	7.7E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.3E-13
6.8E+00	1.2E-06	1.0E-03	8.7E-09	1.6E-01	1.4E-02	1.9E-11	7.4E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	1.4E-02	2.2E-13
6.0E+00	1.2E-06	1.0E-03	7.7E-09	1.6E-01	1.4E-02	1.7E-11	7.2E-01	1.3E-07	1.0E-03	9.9E-11	1.6E-01	1.4E-02	2.1E-13
5.3E+00	1.2E-06	1.0E-03	6.9E-09	1.6E-01	1.4E-02	1.5E-11	6.9E-01	1.3E-07	1.0E-03	9.5E-11	1.6E-01	1.4E-02	2.1E-13
4.8E+00	1.2E-06	1.0E-03	6.2E-09	1.6E-01	1.4E-02	1.3E-11	6.6E-01	1.3E-07	1.0E-03	9.2E-11	1.6E-01	1.4E-02	2.0E-13
4.3E+00	1.2E-06	1.0E-03	5.6E-09	1.6E-01	1.4E-02	1.2E-11	6.4E-01	1.3E-07	1.0E-03	8.9E-11	1.6E-01	1.4E-02	1.9E-13
1.1E+01	1.2E-06	1.0E-03	1.4E-08	1.6E-01	1.4E-02	3.0E-11	1.2E+00	1.3E-07	1.0E-03	1.7E-10	1.6E-01	1.4E-02	3.7E-13
1.3E+01	1.2E-06	1.0E-03	1.7E-08	1.6E-01	1.4E-02	3.6E-11	1.2E+00	1.3E-07	1.0E-03	1.7E-10	1.6E-01	1.4E-02	3.7E-13

1.6E+01	1.2E-06	1.0E-03	2.0E-08	1.6E-01	1.4E-02	4.4E-11	1.2E+00	1.3E-07	1.0E-03	1.7E-10	1.6E-01	1.4E-02	3.6E-13
1.9E+01	1.2E-06	1.0E-03	2.4E-08	1.6E-01	1.4E-02	5.2E-11	1.2E+00	1.3E-07	1.0E-03	1.7E-10	1.6E-01	1.4E-02	3.6E-13
2.2E+01	1.2E-06	1.0E-03	2.9E-08	1.6E-01	1.4E-02	6.2E-11	1.2E+00	1.3E-07	1.0E-03	1.6E-10	1.6E-01	1.4E-02	3.5E-13
1.2E+01	1.2E-06	1.0E-03	1.5E-08	1.6E-01	1.4E-02	3.3E-11	8.5E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	1.4E-02	2.5E-13
1.0E+01	1.2E-06	1.0E-03	1.3E-08	1.6E-01	1.4E-02	2.9E-11	8.3E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.5E-13
9.0E+00	1.2E-06	1.0E-03	1.2E-08	1.6E-01	1.4E-02	2.5E-11	8.0E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.4E-13
7.9E+00	1.2E-06	1.0E-03	1.0E-08	1.6E-01	1.4E-02	2.2E-11	7.7E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.3E-13
7.0E+00	1.2E-06	1.0E-03	9.0E-09	1.6E-01	1.4E-02	1.9E-11	7.5E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	1.4E-02	2.2E-13
6.2E+00	1.2E-06	1.0E-03	8.0E-09	1.6E-01	1.4E-02	1.7E-11	7.2E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	1.4E-02	2.1E-13
5.6E+00	1.2E-06	1.0E-03	7.2E-09	1.6E-01	1.4E-02	1.5E-11	7.0E-01	1.3E-07	1.0E-03	9.6E-11	1.6E-01	1.4E-02	2.1E-13
5.0E+00	1.2E-06	1.0E-03	6.5E-09	1.6E-01	1.4E-02	1.4E-11	6.7E-01	1.3E-07	1.0E-03	9.3E-11	1.6E-01	1.4E-02	2.0E-13
4.5E+00	1.2E-06	1.0E-03	5.8E-09	1.6E-01	1.4E-02	1.2E-11	6.5E-01	1.3E-07	1.0E-03	8.9E-11	1.6E-01	1.4E-02	1.9E-13
4.1E+00	1.2E-06	1.0E-03	5.3E-09	1.6E-01	1.4E-02	1.1E-11	6.2E-01	1.3E-07	1.0E-03	8.6E-11	1.6E-01	1.4E-02	1.9E-13
9.1E+00	1.2E-06	1.0E-03	1.2E-08	1.6E-01	1.4E-02	2.5E-11	1.2E+00	1.3E-07	1.0E-03	1.6E-10	1.6E-01	1.4E-02	3.5E-13
1.1E+01	1.2E-06	1.0E-03	1.4E-08	1.6E-01	1.4E-02	3.0E-11	1.2E+00	1.3E-07	1.0E-03	1.6E-10	1.6E-01	1.4E-02	3.5E-13
1.3E+01	1.2E-06	1.0E-03	1.6E-08	1.6E-01	1.4E-02	3.5E-11	1.2E+00	1.3E-07	1.0E-03	1.6E-10	1.6E-01	1.4E-02	3.4E-13
1.5E+01	1.2E-06	1.0E-03	1.9E-08	1.6E-01	1.4E-02	4.1E-11	1.1E+00	1.3E-07	1.0E-03	1.6E-10	1.6E-01	1.4E-02	3.4E-13
1.7E+01	1.2E-06	1.0E-03	2.2E-08	1.6E-01	1.4E-02	4.8E-11	1.1E+00	1.3E-07	1.0E-03	1.5E-10	1.6E-01	1.4E-02	3.3E-13
1.0E+01	1.2E-06	1.0E-03	1.3E-08	1.6E-01	1.4E-02	2.9E-11	8.2E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.5E-13
9.1E+00	1.2E-06	1.0E-03	1.2E-08	1.6E-01	1.4E-02	2.5E-11	8.0E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.4E-13
8.1E+00	1.2E-06	1.0E-03	1.0E-08	1.6E-01	1.4E-02	2.2E-11	7.7E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.3E-13
7.2E+00	1.2E-06	1.0E-03	9.3E-09	1.6E-01	1.4E-02	2.0E-11	7.5E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	1.4E-02	2.2E-13
6.4E+00	1.2E-06	1.0E-03	8.3E-09	1.6E-01	1.4E-02	1.8E-11	7.2E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	1.4E-02	2.2E-13
5.8E+00	1.2E-06	1.0E-03	7.4E-09	1.6E-01	1.4E-02	1.6E-11	7.0E-01	1.3E-07	1.0E-03	9.7E-11	1.6E-01	1.4E-02	2.1E-13
5.2E+00	1.2E-06	1.0E-03	6.7E-09	1.6E-01	1.4E-02	1.4E-11	6.8E-01	1.3E-07	1.0E-03	9.3E-11	1.6E-01	1.4E-02	2.0E-13
4.7E+00	1.2E-06	1.0E-03	6.0E-09	1.6E-01	1.4E-02	1.3E-11	6.5E-01	1.3E-07	1.0E-03	9.0E-11	1.6E-01	1.4E-02	1.9E-13
4.2E+00	1.2E-06	1.0E-03	5.5E-09	1.6E-01	1.4E-02	1.2E-11	6.3E-01	1.3E-07	1.0E-03	8.7E-11	1.6E-01	1.4E-02	1.9E-13
3.9E+00	1.2E-06	1.0E-03	5.0E-09	1.6E-01	1.4E-02	1.1E-11	6.1E-01	1.3E-07	1.0E-03	8.4E-11	1.6E-01	1.4E-02	1.8E-13
7.8E+00	1.2E-06	1.0E-03	1.0E-08	1.6E-01	1.4E-02	2.2E-11	1.1E+00	1.3E-07	1.0E-03	1.6E-10	1.6E-01	1.4E-02	3.3E-13
9.0E+00	1.2E-06	1.0E-03	1.2E-08	1.6E-01	1.4E-02	2.5E-11	1.1E+00	1.3E-07	1.0E-03	1.5E-10	1.6E-01	1.4E-02	3.3E-13
1.0E+01	1.2E-06	1.0E-03	1.3E-08	1.6E-01	1.4E-02	2.9E-11	1.1E+00	1.3E-07	1.0E-03	1.5E-10	1.6E-01	1.4E-02	3.3E-13
1.2E+01	1.2E-06	1.0E-03	1.5E-08	1.6E-01	1.4E-02	3.3E-11	1.1E+00	1.3E-07	1.0E-03	1.5E-10	1.6E-01	1.4E-02	3.2E-13
1.4E+01	1.2E-06	1.0E-03	1.8E-08	1.6E-01	1.4E-02	3.8E-11	1.1E+00	1.3E-07	1.0E-03	1.5E-10	1.6E-01	1.4E-02	3.2E-13
9.1E+00	1.2E-06	1.0E-03	1.2E-08	1.6E-01	1.4E-02	2.5E-11	7.9E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.4E-13
8.1E+00	1.2E-06	1.0E-03	1.0E-08	1.6E-01	1.4E-02	2.3E-11	7.7E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.3E-13
7.3E+00	1.2E-06	1.0E-03	9.4E-09	1.6E-01	1.4E-02	2.0E-11	7.5E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	1.4E-02	2.2E-13
6.6E+00	1.2E-06	1.0E-03	8.5E-09	1.6E-01	1.4E-02	1.8E-11	7.2E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	1.4E-02	2.2E-13
5.9E+00	1.2E-06	1.0E-03	7.6E-09	1.6E-01	1.4E-02	1.6E-11	7.0E-01	1.3E-07	1.0E-03	9.7E-11	1.6E-01	1.4E-02	2.1E-13
5.3E+00	1.2E-06	1.0E-03	6.9E-09	1.6E-01	1.4E-02	1.5E-11	6.8E-01	1.3E-07	1.0E-03	9.4E-11	1.6E-01	1.4E-02	2.0E-13
4.8E+00	1.2E-06	1.0E-03	6.2E-09	1.6E-01	1.4E-02	1.3E-11	6.6E-01	1.3E-07	1.0E-03	9.1E-11	1.6E-01	1.4E-02	2.0E-13
4.4E+00	1.2E-06	1.0E-03	5.6E-09	1.6E-01	1.4E-02	1.2E-11	6.3E-01	1.3E-07	1.0E-03	8.8E-11	1.6E-01	1.4E-02	1.9E-13
4.0E+00	1.2E-06	1.0E-03	5.1E-09	1.6E-01	1.4E-02	1.1E-11	6.1E-01	1.3E-07	1.0E-03	8.5E-11	1.6E-01	1.4E-02	1.8E-13
3.6E+00	1.2E-06	1.0E-03	4.7E-09	1.6E-01	1.4E-02	1.0E-11	5.9E-01	1.3E-07	1.0E-03	8.2E-11	1.6E-01	1.4E-02	1.8E-13
6.7E+00	1.2E-06	1.0E-03	8.7E-09	1.6E-01	1.4E-02	1.9E-11	1.1E+00	1.3E-07	1.0E-03	1.5E-10	1.6E-01	1.4E-02	3.2E-13
7.7E+00	1.2E-06	1.0E-03	9.9E-09	1.6E-01	1.4E-02	2.1E-11	1.1E+00	1.3E-07	1.0E-03	1.5E-10	1.6E-01	1.4E-02	3.1E-13
8.8E+00	1.2E-06	1.0E-03	1.1E-08	1.6E-01	1.4E-02	2.4E-11	1.0E+00	1.3E-07	1.0E-03	1.4E-10	1.6E-01	1.4E-02	3.1E-13

1.0E+01	1.2E-06	1.0E-03	1.3E-08	1.6E-01	1.4E-02	2.8E-11	1.0E+00	1.3E-07	1.0E-03	1.4E-10	1.6E-01	1.4E-02	3.1E-13
1.1E+01	1.2E-06	1.0E-03	1.4E-08	1.6E-01	1.4E-02	3.1E-11	1.0E+00	1.3E-07	1.0E-03	1.4E-10	1.6E-01	1.4E-02	3.0E-13
8.0E+00	1.2E-06	1.0E-03	1.0E-08	1.6E-01	1.4E-02	2.2E-11	7.7E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.3E-13
7.3E+00	1.2E-06	1.0E-03	9.4E-09	1.6E-01	1.4E-02	2.0E-11	7.4E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	1.4E-02	2.2E-13
6.6E+00	1.2E-06	1.0E-03	8.5E-09	1.6E-01	1.4E-02	1.8E-11	7.2E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	1.4E-02	2.1E-13
6.0E+00	1.2E-06	1.0E-03	7.7E-09	1.6E-01	1.4E-02	1.7E-11	7.0E-01	1.3E-07	1.0E-03	9.7E-11	1.6E-01	1.4E-02	2.1E-13
5.4E+00	1.2E-06	1.0E-03	7.0E-09	1.6E-01	1.4E-02	1.5E-11	6.8E-01	1.3E-07	1.0E-03	9.4E-11	1.6E-01	1.4E-02	2.0E-13
4.9E+00	1.2E-06	1.0E-03	6.4E-09	1.6E-01	1.4E-02	1.4E-11	6.6E-01	1.3E-07	1.0E-03	9.1E-11	1.6E-01	1.4E-02	2.0E-13
4.5E+00	1.2E-06	1.0E-03	5.8E-09	1.6E-01	1.4E-02	1.2E-11	6.4E-01	1.3E-07	1.0E-03	8.8E-11	1.6E-01	1.4E-02	1.9E-13
4.1E+00	1.2E-06	1.0E-03	5.3E-09	1.6E-01	1.4E-02	1.1E-11	6.2E-01	1.3E-07	1.0E-03	8.5E-11	1.6E-01	1.4E-02	1.8E-13
3.8E+00	1.2E-06	1.0E-03	4.8E-09	1.6E-01	1.4E-02	1.0E-11	6.0E-01	1.3E-07	1.0E-03	8.3E-11	1.6E-01	1.4E-02	1.8E-13
3.4E+00	1.2E-06	1.0E-03	4.4E-09	1.6E-01	1.4E-02	9.5E-12	5.8E-01	1.3E-07	1.0E-03	8.0E-11	1.6E-01	1.4E-02	1.7E-13
5.9E+00	1.2E-06	1.0E-03	7.6E-09	1.6E-01	1.4E-02	1.6E-11	1.0E+00	1.3E-07	1.0E-03	1.4E-10	1.6E-01	1.4E-02	3.0E-13
6.6E+00	1.2E-06	1.0E-03	8.5E-09	1.6E-01	1.4E-02	1.8E-11	1.0E+00	1.3E-07	1.0E-03	1.4E-10	1.6E-01	1.4E-02	3.0E-13
7.4E+00	1.2E-06	1.0E-03	9.5E-09	1.6E-01	1.4E-02	2.1E-11	9.9E-01	1.3E-07	1.0E-03	1.4E-10	1.6E-01	1.4E-02	3.0E-13
8.3E+00	1.2E-06	1.0E-03	1.1E-08	1.6E-01	1.4E-02	2.3E-11	9.8E-01	1.3E-07	1.0E-03	1.4E-10	1.6E-01	1.4E-02	2.9E-13
9.2E+00	1.2E-06	1.0E-03	1.2E-08	1.6E-01	1.4E-02	2.6E-11	9.7E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	1.4E-02	2.9E-13
7.1E+00	1.2E-06	1.0E-03	9.2E-09	1.6E-01	1.4E-02	2.0E-11	7.4E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	1.4E-02	2.2E-13
6.6E+00	1.2E-06	1.0E-03	8.4E-09	1.6E-01	1.4E-02	1.8E-11	7.2E-01	1.3E-07	1.0E-03	9.9E-11	1.6E-01	1.4E-02	2.1E-13
6.0E+00	1.2E-06	1.0E-03	7.7E-09	1.6E-01	1.4E-02	1.7E-11	7.0E-01	1.3E-07	1.0E-03	9.7E-11	1.6E-01	1.4E-02	2.1E-13
5.5E+00	1.2E-06	1.0E-03	7.0E-09	1.6E-01	1.4E-02	1.5E-11	6.8E-01	1.3E-07	1.0E-03	9.4E-11	1.6E-01	1.4E-02	2.0E-13
5.0E+00	1.2E-06	1.0E-03	6.4E-09	1.6E-01	1.4E-02	1.4E-11	6.6E-01	1.3E-07	1.0E-03	9.1E-11	1.6E-01	1.4E-02	2.0E-13
4.6E+00	1.2E-06	1.0E-03	5.9E-09	1.6E-01	1.4E-02	1.3E-11	6.4E-01	1.3E-07	1.0E-03	8.8E-11	1.6E-01	1.4E-02	1.9E-13
4.2E+00	1.2E-06	1.0E-03	5.4E-09	1.6E-01	1.4E-02	1.2E-11	6.2E-01	1.3E-07	1.0E-03	8.6E-11	1.6E-01	1.4E-02	1.8E-13
3.8E+00	1.2E-06	1.0E-03	5.0E-09	1.6E-01	1.4E-02	1.1E-11	6.0E-01	1.3E-07	1.0E-03	8.3E-11	1.6E-01	1.4E-02	1.8E-13
3.5E+00	1.2E-06	1.0E-03	4.5E-09	1.6E-01	1.4E-02	9.8E-12	5.8E-01	1.3E-07	1.0E-03	8.1E-11	1.6E-01	1.4E-02	1.7E-13
3.2E+00	1.2E-06	1.0E-03	4.2E-09	1.6E-01	1.4E-02	9.0E-12	5.6E-01	1.3E-07	1.0E-03	7.8E-11	1.6E-01	1.4E-02	1.7E-13
5.2E+00	1.2E-06	1.0E-03	6.7E-09	1.6E-01	1.4E-02	1.4E-11	9.7E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	1.4E-02	2.9E-13
5.8E+00	1.2E-06	1.0E-03	7.4E-09	1.6E-01	1.4E-02	1.6E-11	9.6E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	1.4E-02	2.9E-13
6.4E+00	1.2E-06	1.0E-03	8.3E-09	1.6E-01	1.4E-02	1.8E-11	9.5E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	1.4E-02	2.8E-13
7.1E+00	1.2E-06	1.0E-03	9.1E-09	1.6E-01	1.4E-02	2.0E-11	9.4E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	1.4E-02	2.8E-13
7.8E+00	1.2E-06	1.0E-03	1.0E-08	1.6E-01	1.4E-02	2.1E-11	9.2E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	1.4E-02	2.7E-13
6.4E+00	1.2E-06	1.0E-03	8.2E-09	1.6E-01	1.4E-02	1.8E-11	7.1E-01	1.3E-07	1.0E-03	9.9E-11	1.6E-01	1.4E-02	2.1E-13
5.9E+00	1.2E-06	1.0E-03	7.6E-09	1.6E-01	1.4E-02	1.6E-11	6.9E-01	1.3E-07	1.0E-03	9.6E-11	1.6E-01	1.4E-02	2.1E-13
5.4E+00	1.2E-06	1.0E-03	7.0E-09	1.6E-01	1.4E-02	1.5E-11	6.7E-01	1.3E-07	1.0E-03	9.3E-11	1.6E-01	1.4E-02	2.0E-13
5.0E+00	1.2E-06	1.0E-03	6.4E-09	1.6E-01	1.4E-02	1.4E-11	6.6E-01	1.3E-07	1.0E-03	9.1E-11	1.6E-01	1.4E-02	2.0E-13
4.6E+00	1.2E-06	1.0E-03	5.9E-09	1.6E-01	1.4E-02	1.3E-11	6.4E-01	1.3E-07	1.0E-03	8.8E-11	1.6E-01	1.4E-02	1.9E-13
4.2E+00	1.2E-06	1.0E-03	5.4E-09	1.6E-01	1.4E-02	1.2E-11	6.2E-01	1.3E-07	1.0E-03	8.6E-11	1.6E-01	1.4E-02	1.8E-13
3.9E+00	1.2E-06	1.0E-03	5.0E-09	1.6E-01	1.4E-02	1.1E-11	6.0E-01	1.3E-07	1.0E-03	8.3E-11	1.6E-01	1.4E-02	1.8E-13
3.6E+00	1.2E-06	1.0E-03	4.6E-09	1.6E-01	1.4E-02	1.0E-11	5.8E-01	1.3E-07	1.0E-03	8.1E-11	1.6E-01	1.4E-02	1.7E-13
3.3E+00	1.2E-06	1.0E-03	4.3E-09	1.6E-01	1.4E-02	9.2E-12	5.7E-01	1.3E-07	1.0E-03	7.8E-11	1.6E-01	1.4E-02	1.7E-13
3.0E+00	1.2E-06	1.0E-03	3.9E-09	1.6E-01	1.4E-02	8.4E-12	5.5E-01	1.3E-07	1.0E-03	7.6E-11	1.6E-01	1.4E-02	1.6E-13
4.6E+00	1.2E-06	1.0E-03	5.9E-09	1.6E-01	1.4E-02	1.3E-11	9.2E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	1.4E-02	2.8E-13
5.1E+00	1.2E-06	1.0E-03	6.5E-09	1.6E-01	1.4E-02	1.4E-11	9.2E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	1.4E-02	2.7E-13
5.6E+00	1.2E-06	1.0E-03	7.2E-09	1.6E-01	1.4E-02	1.6E-11	9.0E-01	1.3E-07	1.0E-03	1.3E-10	1.6E-01	1.4E-02	2.7E-13
6.1E+00	1.2E-06	1.0E-03	7.9E-09	1.6E-01	1.4E-02	1.7E-11	8.9E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	1.4E-02	2.7E-13

6.6E+00	1.2E-06	1.0E-03	8.5E-09	1.6E-01	1.4E-02	1.8E-11	8.8E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	1.4E-02	2.6E-13
5.7E+00	1.2E-06	1.0E-03	7.4E-09	1.6E-01	1.4E-02	1.6E-11	6.9E-01	1.3E-07	1.0E-03	9.5E-11	1.6E-01	1.4E-02	2.1E-13
5.3E+00	1.2E-06	1.0E-03	6.9E-09	1.6E-01	1.4E-02	1.5E-11	6.7E-01	1.3E-07	1.0E-03	9.3E-11	1.6E-01	1.4E-02	2.0E-13
4.9E+00	1.2E-06	1.0E-03	6.4E-09	1.6E-01	1.4E-02	1.4E-11	6.5E-01	1.3E-07	1.0E-03	9.0E-11	1.6E-01	1.4E-02	1.9E-13
4.6E+00	1.2E-06	1.0E-03	5.9E-09	1.6E-01	1.4E-02	1.3E-11	6.3E-01	1.3E-07	1.0E-03	8.8E-11	1.6E-01	1.4E-02	1.9E-13
4.2E+00	1.2E-06	1.0E-03	5.4E-09	1.6E-01	1.4E-02	1.2E-11	6.1E-01	1.3E-07	1.0E-03	8.5E-11	1.6E-01	1.4E-02	1.8E-13
3.8E+00	1.2E-06	1.0E-03	5.0E-09	1.6E-01	1.4E-02	1.1E-11	6.0E-01	1.3E-07	1.0E-03	8.3E-11	1.6E-01	1.4E-02	1.8E-13
3.6E+00	1.2E-06	1.0E-03	4.6E-09	1.6E-01	1.4E-02	9.9E-12	5.8E-01	1.3E-07	1.0E-03	8.0E-11	1.6E-01	1.4E-02	1.7E-13
3.3E+00	1.2E-06	1.0E-03	4.3E-09	1.6E-01	1.4E-02	9.2E-12	5.6E-01	1.3E-07	1.0E-03	7.8E-11	1.6E-01	1.4E-02	1.7E-13
3.1E+00	1.2E-06	1.0E-03	4.0E-09	1.6E-01	1.4E-02	8.5E-12	5.5E-01	1.3E-07	1.0E-03	7.6E-11	1.6E-01	1.4E-02	1.6E-13
2.8E+00	1.2E-06	1.0E-03	3.7E-09	1.6E-01	1.4E-02	7.9E-12	5.3E-01	1.3E-07	1.0E-03	7.3E-11	1.6E-01	1.4E-02	1.6E-13
4.1E+00	1.2E-06	1.0E-03	5.3E-09	1.6E-01	1.4E-02	1.1E-11	8.8E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	1.4E-02	2.6E-13
4.5E+00	1.2E-06	1.0E-03	5.8E-09	1.6E-01	1.4E-02	1.2E-11	8.7E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	1.4E-02	2.6E-13
4.9E+00	1.2E-06	1.0E-03	6.3E-09	1.6E-01	1.4E-02	1.4E-11	8.6E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	1.4E-02	2.6E-13
5.3E+00	1.2E-06	1.0E-03	6.9E-09	1.6E-01	1.4E-02	1.5E-11	8.5E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	1.4E-02	2.5E-13
5.7E+00	1.2E-06	1.0E-03	7.4E-09	1.6E-01	1.4E-02	1.6E-11	8.4E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	1.4E-02	2.5E-13
4.9E+00	1.2E-06	1.0E-03	6.2E-09	1.6E-01	1.4E-02	1.3E-11	6.5E-01	1.3E-07	1.0E-03	9.0E-11	1.6E-01	1.4E-02	1.9E-13
4.5E+00	1.2E-06	1.0E-03	5.8E-09	1.6E-01	1.4E-02	1.3E-11	6.3E-01	1.3E-07	1.0E-03	8.7E-11	1.6E-01	1.4E-02	1.9E-13
4.2E+00	1.2E-06	1.0E-03	5.4E-09	1.6E-01	1.4E-02	1.2E-11	6.1E-01	1.3E-07	1.0E-03	8.5E-11	1.6E-01	1.4E-02	1.8E-13
3.8E+00	1.2E-06	1.0E-03	4.8E-09	1.6E-01	1.4E-02	1.0E-11	5.9E-01	1.3E-07	1.0E-03	8.2E-11	1.6E-01	1.4E-02	1.8E-13
3.5E+00	1.2E-06	1.0E-03	4.5E-09	1.6E-01	1.4E-02	9.6E-12	5.7E-01	1.3E-07	1.0E-03	7.9E-11	1.6E-01	1.4E-02	1.7E-13
3.2E+00	1.2E-06	1.0E-03	4.2E-09	1.6E-01	1.4E-02	9.0E-12	5.6E-01	1.3E-07	1.0E-03	7.7E-11	1.6E-01	1.4E-02	1.7E-13
3.0E+00	1.2E-06	1.0E-03	3.9E-09	1.6E-01	1.4E-02	8.4E-12	5.4E-01	1.3E-07	1.0E-03	7.5E-11	1.6E-01	1.4E-02	1.6E-13
2.8E+00	1.2E-06	1.0E-03	3.6E-09	1.6E-01	1.4E-02	7.8E-12	5.3E-01	1.3E-07	1.0E-03	7.3E-11	1.6E-01	1.4E-02	1.6E-13
2.6E+00	1.2E-06	1.0E-03	3.4E-09	1.6E-01	1.4E-02	7.3E-12	5.1E-01	1.3E-07	1.0E-03	7.1E-11	1.6E-01	1.4E-02	1.5E-13
3.7E+00	1.2E-06	1.0E-03	4.7E-09	1.6E-01	1.4E-02	1.0E-11	8.4E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	1.4E-02	2.5E-13
4.0E+00	1.2E-06	1.0E-03	5.2E-09	1.6E-01	1.4E-02	1.1E-11	8.4E-01	1.3E-07	1.0E-03	1.2E-10	1.6E-01	1.4E-02	2.5E-13
4.3E+00	1.2E-06	1.0E-03	5.6E-09	1.6E-01	1.4E-02	1.2E-11	8.3E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.5E-13
4.7E+00	1.2E-06	1.0E-03	6.0E-09	1.6E-01	1.4E-02	1.3E-11	8.2E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.4E-13
5.0E+00	1.2E-06	1.0E-03	6.4E-09	1.6E-01	1.4E-02	1.4E-11	8.1E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.4E-13
4.2E+00	1.2E-06	1.0E-03	5.4E-09	1.6E-01	1.4E-02	1.2E-11	6.1E-01	1.3E-07	1.0E-03	8.5E-11	1.6E-01	1.4E-02	1.8E-13
3.9E+00	1.2E-06	1.0E-03	5.0E-09	1.6E-01	1.4E-02	1.1E-11	6.0E-01	1.3E-07	1.0E-03	8.3E-11	1.6E-01	1.4E-02	1.8E-13
3.6E+00	1.2E-06	1.0E-03	4.6E-09	1.6E-01	1.4E-02	9.9E-12	5.8E-01	1.3E-07	1.0E-03	8.0E-11	1.6E-01	1.4E-02	1.7E-13
3.3E+00	1.2E-06	1.0E-03	4.3E-09	1.6E-01	1.4E-02	9.3E-12	5.6E-01	1.3E-07	1.0E-03	7.8E-11	1.6E-01	1.4E-02	1.7E-13
3.1E+00	1.2E-06	1.0E-03	4.0E-09	1.6E-01	1.4E-02	8.6E-12	5.5E-01	1.3E-07	1.0E-03	7.6E-11	1.6E-01	1.4E-02	1.6E-13
2.9E+00	1.2E-06	1.0E-03	3.7E-09	1.6E-01	1.4E-02	8.0E-12	5.3E-01	1.3E-07	1.0E-03	7.3E-11	1.6E-01	1.4E-02	1.6E-13
2.7E+00	1.2E-06	1.0E-03	3.4E-09	1.6E-01	1.4E-02	7.4E-12	5.1E-01	1.3E-07	1.0E-03	7.1E-11	1.6E-01	1.4E-02	1.5E-13
2.5E+00	1.2E-06	1.0E-03	3.2E-09	1.6E-01	1.4E-02	6.8E-12	5.0E-01	1.3E-07	1.0E-03	6.9E-11	1.6E-01	1.4E-02	1.5E-13
3.3E+00	1.2E-06	1.0E-03	4.3E-09	1.6E-01	1.4E-02	9.2E-12	8.1E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.4E-13
3.6E+00	1.2E-06	1.0E-03	4.6E-09	1.6E-01	1.4E-02	1.0E-11	8.0E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.4E-13
3.9E+00	1.2E-06	1.0E-03	5.0E-09	1.6E-01	1.4E-02	1.1E-11	7.9E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.4E-13
4.1E+00	1.2E-06	1.0E-03	5.3E-09	1.6E-01	1.4E-02	1.1E-11	7.8E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.3E-13
4.4E+00	1.2E-06	1.0E-03	5.7E-09	1.6E-01	1.4E-02	1.2E-11	7.7E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.3E-13
3.6E+00	1.2E-06	1.0E-03	4.7E-09	1.6E-01	1.4E-02	1.0E-11	5.8E-01	1.3E-07	1.0E-03	8.0E-11	1.6E-01	1.4E-02	1.7E-13
3.4E+00	1.2E-06	1.0E-03	4.4E-09	1.6E-01	1.4E-02	9.5E-12	5.7E-01	1.3E-07	1.0E-03	7.8E-11	1.6E-01	1.4E-02	1.7E-13
3.2E+00	1.2E-06	1.0E-03	4.1E-09	1.6E-01	1.4E-02	8.9E-12	5.5E-01	1.3E-07	1.0E-03	7.6E-11	1.6E-01	1.4E-02	1.6E-13

3.0E+00	1.2E-06	1.0E-03	3.9E-09	1.6E-01	1.4E-02	8.3E-12	5.4E-01	1.3E-07	1.0E-03	7.4E-11	1.6E-01	1.4E-02	1.6E-13
2.8E+00	1.2E-06	1.0E-03	3.6E-09	1.6E-01	1.4E-02	7.8E-12	5.2E-01	1.3E-07	1.0E-03	7.2E-11	1.6E-01	1.4E-02	1.6E-13
2.6E+00	1.2E-06	1.0E-03	3.3E-09	1.6E-01	1.4E-02	7.2E-12	5.1E-01	1.3E-07	1.0E-03	7.0E-11	1.6E-01	1.4E-02	1.5E-13
2.4E+00	1.2E-06	1.0E-03	3.1E-09	1.6E-01	1.4E-02	6.6E-12	4.9E-01	1.3E-07	1.0E-03	6.8E-11	1.6E-01	1.4E-02	1.5E-13
3.0E+00	1.2E-06	1.0E-03	3.9E-09	1.6E-01	1.4E-02	8.4E-12	7.7E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.3E-13
3.3E+00	1.2E-06	1.0E-03	4.2E-09	1.6E-01	1.4E-02	9.0E-12	7.7E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.3E-13
3.5E+00	1.2E-06	1.0E-03	4.5E-09	1.6E-01	1.4E-02	9.6E-12	7.6E-01	1.3E-07	1.0E-03	1.1E-10	1.6E-01	1.4E-02	2.3E-13
3.7E+00	1.2E-06	1.0E-03	4.8E-09	1.6E-01	1.4E-02	1.0E-11	7.5E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	1.4E-02	2.2E-13
3.9E+00	1.2E-06	1.0E-03	5.0E-09	1.6E-01	1.4E-02	1.1E-11	7.4E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	1.4E-02	2.2E-13
3.2E+00	1.2E-06	1.0E-03	4.1E-09	1.6E-01	1.4E-02	8.8E-12	5.5E-01	1.3E-07	1.0E-03	7.6E-11	1.6E-01	1.4E-02	1.6E-13
3.0E+00	1.2E-06	1.0E-03	3.9E-09	1.6E-01	1.4E-02	8.4E-12	5.4E-01	1.3E-07	1.0E-03	7.4E-11	1.6E-01	1.4E-02	1.6E-13
2.8E+00	1.2E-06	1.0E-03	3.6E-09	1.6E-01	1.4E-02	7.8E-12	5.2E-01	1.3E-07	1.0E-03	7.2E-11	1.6E-01	1.4E-02	1.6E-13
2.7E+00	1.2E-06	1.0E-03	3.4E-09	1.6E-01	1.4E-02	7.4E-12	5.1E-01	1.3E-07	1.0E-03	7.0E-11	1.6E-01	1.4E-02	1.5E-13
2.5E+00	1.2E-06	1.0E-03	3.2E-09	1.6E-01	1.4E-02	6.9E-12	5.0E-01	1.3E-07	1.0E-03	6.9E-11	1.6E-01	1.4E-02	1.5E-13
2.3E+00	1.2E-06	1.0E-03	3.0E-09	1.6E-01	1.4E-02	6.4E-12	4.8E-01	1.3E-07	1.0E-03	6.6E-11	1.6E-01	1.4E-02	1.4E-13
2.7E+00	1.2E-06	1.0E-03	3.5E-09	1.6E-01	1.4E-02	7.6E-12	7.4E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	1.4E-02	2.2E-13
2.9E+00	1.2E-06	1.0E-03	3.8E-09	1.6E-01	1.4E-02	8.2E-12	7.3E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	1.4E-02	2.2E-13
3.1E+00	1.2E-06	1.0E-03	4.0E-09	1.6E-01	1.4E-02	8.7E-12	7.3E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	1.4E-02	2.2E-13
3.3E+00	1.2E-06	1.0E-03	4.3E-09	1.6E-01	1.4E-02	9.2E-12	7.2E-01	1.3E-07	1.0E-03	1.0E-10	1.6E-01	1.4E-02	2.1E-13
3.5E+00	1.2E-06	1.0E-03	4.5E-09	1.6E-01	1.4E-02	9.7E-12	7.1E-01	1.3E-07	1.0E-03	9.9E-11	1.6E-01	1.4E-02	2.1E-13
3.0E+00	1.2E-06	1.0E-03	3.8E-09	1.6E-01	1.4E-02	8.2E-12	5.3E-01	1.3E-07	1.0E-03	7.4E-11	1.6E-01	1.4E-02	1.6E-13
2.8E+00	1.2E-06	1.0E-03	3.6E-09	1.6E-01	1.4E-02	7.8E-12	5.2E-01	1.3E-07	1.0E-03	7.2E-11	1.6E-01	1.4E-02	1.6E-13
2.7E+00	1.2E-06	1.0E-03	3.4E-09	1.6E-01	1.4E-02	7.4E-12	5.1E-01	1.3E-07	1.0E-03	7.0E-11	1.6E-01	1.4E-02	1.5E-13
2.5E+00	1.2E-06	1.0E-03	3.2E-09	1.6E-01	1.4E-02	7.0E-12	5.0E-01	1.3E-07	1.0E-03	6.9E-11	1.6E-01	1.4E-02	1.5E-13
2.4E+00	1.2E-06	1.0E-03	3.0E-09	1.6E-01	1.4E-02	6.6E-12	4.8E-01	1.3E-07	1.0E-03	6.7E-11	1.6E-01	1.4E-02	1.4E-13
2.2E+00	1.2E-06	1.0E-03	2.8E-09	1.6E-01	1.4E-02	6.1E-12	4.7E-01	1.3E-07	1.0E-03	6.5E-11	1.6E-01	1.4E-02	1.4E-13
2.5E+00	1.2E-06	1.0E-03	3.2E-09	1.6E-01	1.4E-02	7.0E-12	7.1E-01	1.3E-07	1.0E-03	9.8E-11	1.6E-01	1.4E-02	2.1E-13
2.7E+00	1.2E-06	1.0E-03	3.4E-09	1.6E-01	1.4E-02	7.4E-12	7.0E-01	1.3E-07	1.0E-03	9.8E-11	1.6E-01	1.4E-02	2.1E-13
2.8E+00	1.2E-06	1.0E-03	3.7E-09	1.6E-01	1.4E-02	7.9E-12	7.0E-01	1.3E-07	1.0E-03	9.7E-11	1.6E-01	1.4E-02	2.1E-13
3.0E+00	1.2E-06	1.0E-03	3.9E-09	1.6E-01	1.4E-02	8.3E-12	6.9E-01	1.3E-07	1.0E-03	9.6E-11	1.6E-01	1.4E-02	2.1E-13
3.1E+00	1.2E-06	1.0E-03	4.0E-09	1.6E-01	1.4E-02	8.7E-12	6.9E-01	1.3E-07	1.0E-03	9.5E-11	1.6E-01	1.4E-02	2.0E-13
2.8E+00	1.2E-06	1.0E-03	3.6E-09	1.6E-01	1.4E-02	7.7E-12	5.2E-01	1.3E-07	1.0E-03	7.2E-11	1.6E-01	1.4E-02	1.5E-13
2.6E+00	1.2E-06	1.0E-03	3.4E-09	1.6E-01	1.4E-02	7.3E-12	5.1E-01	1.3E-07	1.0E-03	7.0E-11	1.6E-01	1.4E-02	1.5E-13
2.5E+00	1.2E-06	1.0E-03	3.2E-09	1.6E-01	1.4E-02	7.0E-12	5.0E-01	1.3E-07	1.0E-03	6.9E-11	1.6E-01	1.4E-02	1.5E-13
2.4E+00	1.2E-06	1.0E-03	3.1E-09	1.6E-01	1.4E-02	6.6E-12	4.8E-01	1.3E-07	1.0E-03	6.7E-11	1.6E-01	1.4E-02	1.4E-13
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2.1E+00	1.2E-06	1.0E-03	2.7E-09	1.6E-01	1.4E-02	5.9E-12	4.6E-01	1.3E-07	1.0E-03	6.4E-11	1.6E-01	1.4E-02	1.4E-13
2.3E+00	1.2E-06	1.0E-03	3.0E-09	1.6E-01	1.4E-02	6.4E-12	6.8E-01	1.3E-07	1.0E-03	9.4E-11	1.6E-01	1.4E-02	2.0E-13
2.4E+00	1.2E-06	1.0E-03	3.1E-09	1.6E-01	1.4E-02	6.8E-12	6.8E-01	1.3E-07	1.0E-03	9.4E-11	1.6E-01	1.4E-02	2.0E-13
2.6E+00	1.2E-06	1.0E-03	3.3E-09	1.6E-01	1.4E-02	7.2E-12	6.7E-01	1.3E-07	1.0E-03	9.3E-11	1.6E-01	1.4E-02	2.0E-13
2.7E+00	1.2E-06	1.0E-03	3.5E-09	1.6E-01	1.4E-02	7.5E-12	6.7E-01	1.3E-07	1.0E-03	9.2E-11	1.6E-01	1.4E-02	2.0E-13
2.8E+00	1.2E-06	1.0E-03	3.7E-09	1.6E-01	1.4E-02	7.9E-12	6.6E-01	1.3E-07	1.0E-03	9.1E-11	1.6E-01	1.4E-02	2.0E-13
2.6E+00	1.2E-06	1.0E-03	3.3E-09	1.6E-01	1.4E-02	7.2E-12	5.0E-01	1.3E-07	1.0E-03	7.0E-11	1.6E-01	1.4E-02	1.5E-13
2.5E+00	1.2E-06	1.0E-03	3.2E-09	1.6E-01	1.4E-02	6.9E-12	4.9E-01	1.3E-07	1.0E-03	6.8E-11	1.6E-01	1.4E-02	1.5E-13
2.4E+00	1.2E-06	1.0E-03	3.0E-09	1.6E-01	1.4E-02	6.5E-12	4.8E-01	1.3E-07	1.0E-03	6.7E-11	1.6E-01	1.4E-02	1.4E-13
2.2E+00	1.2E-06	1.0E-03	2.9E-09	1.6E-01	1.4E-02	6.2E-12	4.7E-01	1.3E-07	1.0E-03	6.5E-11	1.6E-01	1.4E-02	1.4E-13

2.1E+00	1.2E-06	1.0E-03	2.7E-09	1.6E-01	1.4E-02	5.9E-12	4.6E-01	1.3E-07	1.0E-03	6.4E-11	1.6E-01	1.4E-02	1.4E-13
2.0E+00	1.2E-06	1.0E-03	2.6E-09	1.6E-01	1.4E-02	5.6E-12	4.5E-01	1.3E-07	1.0E-03	6.2E-11	1.6E-01	1.4E-02	1.3E-13
2.1E+00	1.2E-06	1.0E-03	2.7E-09	1.6E-01	1.4E-02	5.9E-12	6.5E-01	1.3E-07	1.0E-03	9.1E-11	1.6E-01	1.4E-02	2.0E-13
2.2E+00	1.2E-06	1.0E-03	2.9E-09	1.6E-01	1.4E-02	6.2E-12	6.5E-01	1.3E-07	1.0E-03	9.0E-11	1.6E-01	1.4E-02	1.9E-13
2.4E+00	1.2E-06	1.0E-03	3.0E-09	1.6E-01	1.4E-02	6.5E-12	6.5E-01	1.3E-07	1.0E-03	8.9E-11	1.6E-01	1.4E-02	1.9E-13
2.5E+00	1.2E-06	1.0E-03	3.2E-09	1.6E-01	1.4E-02	6.9E-12	6.4E-01	1.3E-07	1.0E-03	8.9E-11	1.6E-01	1.4E-02	1.9E-13
2.6E+00	1.2E-06	1.0E-03	3.3E-09	1.6E-01	1.4E-02	7.2E-12	6.3E-01	1.3E-07	1.0E-03	8.8E-11	1.6E-01	1.4E-02	1.9E-13
2.4E+00	1.2E-06	1.0E-03	3.1E-09	1.6E-01	1.4E-02	6.7E-12	4.9E-01	1.3E-07	1.0E-03	6.8E-11	1.6E-01	1.4E-02	1.5E-13
2.3E+00	1.2E-06	1.0E-03	3.0E-09	1.6E-01	1.4E-02	6.4E-12	4.8E-01	1.3E-07	1.0E-03	6.6E-11	1.6E-01	1.4E-02	1.4E-13
2.2E+00	1.2E-06	1.0E-03	2.9E-09	1.6E-01	1.4E-02	6.2E-12	4.7E-01	1.3E-07	1.0E-03	6.5E-11	1.6E-01	1.4E-02	1.4E-13
2.1E+00	1.2E-06	1.0E-03	2.7E-09	1.6E-01	1.4E-02	5.9E-12	4.6E-01	1.3E-07	1.0E-03	6.4E-11	1.6E-01	1.4E-02	1.4E-13
2.0E+00	1.2E-06	1.0E-03	2.6E-09	1.6E-01	1.4E-02	5.6E-12	4.5E-01	1.3E-07	1.0E-03	6.2E-11	1.6E-01	1.4E-02	1.3E-13
1.9E+00	1.2E-06	1.0E-03	2.5E-09	1.6E-01	1.4E-02	5.3E-12	4.4E-01	1.3E-07	1.0E-03	6.1E-11	1.6E-01	1.4E-02	1.3E-13
2.0E+00	1.2E-06	1.0E-03	2.5E-09	1.6E-01	1.4E-02	5.4E-12	6.3E-01	1.3E-07	1.0E-03	8.7E-11	1.6E-01	1.4E-02	1.9E-13
2.1E+00	1.2E-06	1.0E-03	2.7E-09	1.6E-01	1.4E-02	5.7E-12	6.3E-01	1.3E-07	1.0E-03	8.7E-11	1.6E-01	1.4E-02	1.9E-13
2.2E+00	1.2E-06	1.0E-03	2.8E-09	1.6E-01	1.4E-02	6.0E-12	6.2E-01	1.3E-07	1.0E-03	8.6E-11	1.6E-01	1.4E-02	1.8E-13
2.3E+00	1.2E-06	1.0E-03	2.9E-09	1.6E-01	1.4E-02	6.3E-12	6.2E-01	1.3E-07	1.0E-03	8.5E-11	1.6E-01	1.4E-02	1.8E-13
2.4E+00	1.2E-06	1.0E-03	3.0E-09	1.6E-01	1.4E-02	6.5E-12	6.1E-01	1.3E-07	1.0E-03	8.4E-11	1.6E-01	1.4E-02	1.8E-13
2.4E+00	1.2E-06	1.0E-03	3.1E-09	1.6E-01	1.4E-02	6.8E-12	6.0E-01	1.3E-07	1.0E-03	8.4E-11	1.6E-01	1.4E-02	1.8E-13
2.5E+00	1.2E-06	1.0E-03	3.2E-09	1.6E-01	1.4E-02	7.0E-12	6.0E-01	1.3E-07	1.0E-03	8.3E-11	1.6E-01	1.4E-02	1.8E-13
2.6E+00	1.2E-06	1.0E-03	3.3E-09	1.6E-01	1.4E-02	7.2E-12	5.9E-01	1.3E-07	1.0E-03	8.2E-11	1.6E-01	1.4E-02	1.8E-13
2.6E+00	1.2E-06	1.0E-03	3.4E-09	1.6E-01	1.4E-02	7.3E-12	5.8E-01	1.3E-07	1.0E-03	8.1E-11	1.6E-01	1.4E-02	1.7E-13
2.7E+00	1.2E-06	1.0E-03	3.4E-09	1.6E-01	1.4E-02	7.4E-12	5.8E-01	1.3E-07	1.0E-03	8.0E-11	1.6E-01	1.4E-02	1.7E-13
2.7E+00	1.2E-06	1.0E-03	3.5E-09	1.6E-01	1.4E-02	7.5E-12	5.7E-01	1.3E-07	1.0E-03	7.9E-11	1.6E-01	1.4E-02	1.7E-13
2.7E+00	1.2E-06	1.0E-03	3.5E-09	1.6E-01	1.4E-02	7.5E-12	5.6E-01	1.3E-07	1.0E-03	7.7E-11	1.6E-01	1.4E-02	1.7E-13
2.7E+00	1.2E-06	1.0E-03	3.5E-09	1.6E-01	1.4E-02	7.5E-12	5.5E-01	1.3E-07	1.0E-03	7.6E-11	1.6E-01	1.4E-02	1.6E-13
2.7E+00	1.2E-06	1.0E-03	3.5E-09	1.6E-01	1.4E-02	7.4E-12	5.4E-01	1.3E-07	1.0E-03	7.5E-11	1.6E-01	1.4E-02	1.6E-13
2.7E+00	1.2E-06	1.0E-03	3.4E-09	1.6E-01	1.4E-02	7.4E-12	5.3E-01	1.3E-07	1.0E-03	7.4E-11	1.6E-01	1.4E-02	1.6E-13
2.6E+00	1.2E-06	1.0E-03	3.4E-09	1.6E-01	1.4E-02	7.2E-12	5.2E-01	1.3E-07	1.0E-03	7.3E-11	1.6E-01	1.4E-02	1.6E-13
2.6E+00	1.2E-06	1.0E-03	3.3E-09	1.6E-01	1.4E-02	7.1E-12	5.1E-01	1.3E-07	1.0E-03	7.1E-11	1.6E-01	1.4E-02	1.5E-13
2.5E+00	1.2E-06	1.0E-03	3.2E-09	1.6E-01	1.4E-02	6.9E-12	5.1E-01	1.3E-07	1.0E-03	7.0E-11	1.6E-01	1.4E-02	1.5E-13
2.4E+00	1.2E-06	1.0E-03	3.1E-09	1.6E-01	1.4E-02	6.7E-12	5.0E-01	1.3E-07	1.0E-03	6.9E-11	1.6E-01	1.4E-02	1.5E-13
2.3E+00	1.2E-06	1.0E-03	3.0E-09	1.6E-01	1.4E-02	6.5E-12	4.9E-01	1.3E-07	1.0E-03	6.7E-11	1.6E-01	1.4E-02	1.4E-13
2.3E+00	1.2E-06	1.0E-03	2.9E-09	1.6E-01	1.4E-02	6.3E-12	4.8E-01	1.3E-07	1.0E-03	6.6E-11	1.6E-01	1.4E-02	1.4E-13
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2.1E+00	1.2E-06	1.0E-03	2.7E-09	1.6E-01	1.4E-02	5.8E-12	4.6E-01	1.3E-07	1.0E-03	6.3E-11	1.6E-01	1.4E-02	1.4E-13
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1.9E+00	1.2E-06	1.0E-03	2.5E-09	1.6E-01	1.4E-02	5.3E-12	4.4E-01	1.3E-07	1.0E-03	6.1E-11	1.6E-01	1.4E-02	1.3E-13
1.8E+00	1.2E-06	1.0E-03	2.4E-09	1.6E-01	1.4E-02	5.1E-12	4.3E-01	1.3E-07	1.0E-03	5.9E-11	1.6E-01	1.4E-02	1.3E-13
1.8E+00	1.2E-06	1.0E-03	2.3E-09	1.6E-01	1.4E-02	5.0E-12	6.1E-01	1.3E-07	1.0E-03	8.4E-11	1.6E-01	1.4E-02	1.8E-13
1.9E+00	1.2E-06	1.0E-03	2.5E-09	1.6E-01	1.4E-02	5.3E-12	6.0E-01	1.3E-07	1.0E-03	8.3E-11	1.6E-01	1.4E-02	1.8E-13
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2.2E+00	1.2E-06	1.0E-03	2.8E-09	1.6E-01	1.4E-02	6.0E-12	5.9E-01	1.3E-07	1.0E-03	8.1E-11	1.6E-01	1.4E-02	1.8E-13
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2.3E+00	1.2E-06	1.0E-03	3.0E-09	1.6E-01	1.4E-02	6.4E-12	5.8E-01	1.3E-07	1.0E-03	8.0E-11	1.6E-01	1.4E-02	1.7E-13

2.4E+00	1.2E-06	1.0E-03	3.0E-09	1.6E-01	1.4E-02	6.6E-12	5.7E-01	1.3E-07	1.0E-03	7.9E-11	1.6E-01	1.4E-02	1.7E-13
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2.4E+00	1.2E-06	1.0E-03	3.1E-09	1.6E-01	1.4E-02	6.7E-12	5.1E-01	1.3E-07	1.0E-03	7.0E-11	1.6E-01	1.4E-02	1.5E-13
2.4E+00	1.2E-06	1.0E-03	3.1E-09	1.6E-01	1.4E-02	6.6E-12	5.0E-01	1.3E-07	1.0E-03	6.9E-11	1.6E-01	1.4E-02	1.5E-13
2.3E+00	1.2E-06	1.0E-03	3.0E-09	1.6E-01	1.4E-02	6.4E-12	4.9E-01	1.3E-07	1.0E-03	6.8E-11	1.6E-01	1.4E-02	1.5E-13
2.3E+00	1.2E-06	1.0E-03	2.9E-09	1.6E-01	1.4E-02	6.3E-12	4.8E-01	1.3E-07	1.0E-03	6.7E-11	1.6E-01	1.4E-02	1.4E-13
2.2E+00	1.2E-06	1.0E-03	2.8E-09	1.6E-01	1.4E-02	6.1E-12	4.7E-01	1.3E-07	1.0E-03	6.5E-11	1.6E-01	1.4E-02	1.4E-13
2.1E+00	1.2E-06	1.0E-03	2.7E-09	1.6E-01	1.4E-02	5.9E-12	4.6E-01	1.3E-07	1.0E-03	6.4E-11	1.6E-01	1.4E-02	1.4E-13
2.0E+00	1.2E-06	1.0E-03	2.6E-09	1.6E-01	1.4E-02	5.7E-12	4.5E-01	1.3E-07	1.0E-03	6.3E-11	1.6E-01	1.4E-02	1.4E-13
2.0E+00	1.2E-06	1.0E-03	2.5E-09	1.6E-01	1.4E-02	5.5E-12	4.5E-01	1.3E-07	1.0E-03	6.2E-11	1.6E-01	1.4E-02	1.3E-13
1.9E+00	1.2E-06	1.0E-03	2.4E-09	1.6E-01	1.4E-02	5.3E-12	4.4E-01	1.3E-07	1.0E-03	6.0E-11	1.6E-01	1.4E-02	1.3E-13
1.8E+00	1.2E-06	1.0E-03	2.3E-09	1.6E-01	1.4E-02	5.0E-12	4.3E-01	1.3E-07	1.0E-03	5.9E-11	1.6E-01	1.4E-02	1.3E-13
1.7E+00	1.2E-06	1.0E-03	2.2E-09	1.6E-01	1.4E-02	4.8E-12	4.2E-01	1.3E-07	1.0E-03	5.8E-11	1.6E-01	1.4E-02	1.2E-13
1.7E+00	1.2E-06	1.0E-03	2.2E-09	1.6E-01	1.4E-02	4.7E-12	5.8E-01	1.3E-07	1.0E-03	8.1E-11	1.6E-01	1.4E-02	1.7E-13
1.8E+00	1.2E-06	1.0E-03	2.3E-09	1.6E-01	1.4E-02	4.9E-12	5.8E-01	1.3E-07	1.0E-03	8.0E-11	1.6E-01	1.4E-02	1.7E-13
1.8E+00	1.2E-06	1.0E-03	2.4E-09	1.6E-01	1.4E-02	5.1E-12	5.8E-01	1.3E-07	1.0E-03	8.0E-11	1.6E-01	1.4E-02	1.7E-13
1.9E+00	1.2E-06	1.0E-03	2.5E-09	1.6E-01	1.4E-02	5.3E-12	5.7E-01	1.3E-07	1.0E-03	7.9E-11	1.6E-01	1.4E-02	1.7E-13
2.0E+00	1.2E-06	1.0E-03	2.6E-09	1.6E-01	1.4E-02	5.5E-12	5.7E-01	1.3E-07	1.0E-03	7.8E-11	1.6E-01	1.4E-02	1.7E-13
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2.1E+00	1.2E-06	1.0E-03	2.7E-09	1.6E-01	1.4E-02	5.9E-12	5.6E-01	1.3E-07	1.0E-03	7.7E-11	1.6E-01	1.4E-02	1.7E-13
2.2E+00	1.2E-06	1.0E-03	2.8E-09	1.6E-01	1.4E-02	6.0E-12	5.5E-01	1.3E-07	1.0E-03	7.6E-11	1.6E-01	1.4E-02	1.6E-13
2.2E+00	1.2E-06	1.0E-03	2.8E-09	1.6E-01	1.4E-02	6.1E-12	5.4E-01	1.3E-07	1.0E-03	7.5E-11	1.6E-01	1.4E-02	1.6E-13
2.2E+00	1.2E-06	1.0E-03	2.9E-09	1.6E-01	1.4E-02	6.2E-12	5.4E-01	1.3E-07	1.0E-03	7.4E-11	1.6E-01	1.4E-02	1.6E-13
2.3E+00	1.2E-06	1.0E-03	2.9E-09	1.6E-01	1.4E-02	6.3E-12	5.3E-01	1.3E-07	1.0E-03	7.3E-11	1.6E-01	1.4E-02	1.6E-13
2.3E+00	1.2E-06	1.0E-03	2.9E-09	1.6E-01	1.4E-02	6.3E-12	5.2E-01	1.3E-07	1.0E-03	7.2E-11	1.6E-01	1.4E-02	1.6E-13
2.3E+00	1.2E-06	1.0E-03	2.9E-09	1.6E-01	1.4E-02	6.3E-12	5.2E-01	1.3E-07	1.0E-03	7.1E-11	1.6E-01	1.4E-02	1.5E-13
2.3E+00	1.2E-06	1.0E-03	2.9E-09	1.6E-01	1.4E-02	6.3E-12	5.1E-01	1.3E-07	1.0E-03	7.0E-11	1.6E-01	1.4E-02	1.5E-13
2.3E+00	1.2E-06	1.0E-03	2.9E-09	1.6E-01	1.4E-02	6.3E-12	5.0E-01	1.3E-07	1.0E-03	6.9E-11	1.6E-01	1.4E-02	1.5E-13
2.2E+00	1.2E-06	1.0E-03	2.9E-09	1.6E-01	1.4E-02	6.2E-12	4.9E-01	1.3E-07	1.0E-03	6.8E-11	1.6E-01	1.4E-02	1.5E-13
2.2E+00	1.2E-06	1.0E-03	2.8E-09	1.6E-01	1.4E-02	6.1E-12	4.8E-01	1.3E-07	1.0E-03	6.7E-11	1.6E-01	1.4E-02	1.4E-13
2.2E+00	1.2E-06	1.0E-03	2.8E-09	1.6E-01	1.4E-02	6.0E-12	4.8E-01	1.3E-07	1.0E-03	6.6E-11	1.6E-01	1.4E-02	1.4E-13
2.1E+00	1.2E-06	1.0E-03	2.7E-09	1.6E-01	1.4E-02	5.8E-12	4.7E-01	1.3E-07	1.0E-03	6.5E-11	1.6E-01	1.4E-02	1.4E-13
2.0E+00	1.2E-06	1.0E-03	2.6E-09	1.6E-01	1.4E-02	5.7E-12	4.6E-01	1.3E-07	1.0E-03	6.4E-11	1.6E-01	1.4E-02	1.4E-13
2.0E+00	1.2E-06	1.0E-03	2.6E-09	1.6E-01	1.4E-02	5.5E-12	4.5E-01	1.3E-07	1.0E-03	6.2E-11	1.6E-01	1.4E-02	1.3E-13
1.9E+00	1.2E-06	1.0E-03	2.5E-09	1.6E-01	1.4E-02	5.3E-12	4.4E-01	1.3E-07	1.0E-03	6.1E-11	1.6E-01	1.4E-02	1.3E-13
1.9E+00	1.2E-06	1.0E-03	2.4E-09	1.6E-01	1.4E-02	5.2E-12	4.3E-01	1.3E-07	1.0E-03	6.0E-11	1.6E-01	1.4E-02	1.3E-13
1.8E+00	1.2E-06	1.0E-03	2.3E-09	1.6E-01	1.4E-02	5.0E-12	4.2E-01	1.3E-07	1.0E-03	5.9E-11	1.6E-01	1.4E-02	1.3E-13
1.7E+00	1.2E-06	1.0E-03	2.2E-09	1.6E-01	1.4E-02	4.8E-12	4.2E-01	1.3E-07	1.0E-03	5.8E-11	1.6E-01	1.4E-02	1.2E-13
1.7E+00	1.2E-06	1.0E-03	2.1E-09	1.6E-01	1.4E-02	4.6E-12	4.1E-01	1.3E-07	1.0E-03	5.6E-11	1.6E-01	1.4E-02	1.2E-13
1.6E+00	1.2E-06	1.0E-03	2.0E-09	1.6E-01	1.4E-02	4.4E-12	5.6E-01	1.3E-07	1.0E-03	7.8E-11	1.6E-01	1.4E-02	1.7E-13

1.6E+00	1.2E-06	1.0E-03	2.1E-09	1.6E-01	1.4E-02	4.5E-12	5.6E-01	1.3E-07	1.0E-03	7.7E-11	1.6E-01	1.4E-02	1.7E-13
1.7E+00	1.2E-06	1.0E-03	2.2E-09	1.6E-01	1.4E-02	4.7E-12	5.5E-01	1.3E-07	1.0E-03	7.7E-11	1.6E-01	1.4E-02	1.7E-13
1.8E+00	1.2E-06	1.0E-03	2.3E-09	1.6E-01	1.4E-02	4.9E-12	5.5E-01	1.3E-07	1.0E-03	7.6E-11	1.6E-01	1.4E-02	1.6E-13
1.8E+00	1.2E-06	1.0E-03	2.4E-09	1.6E-01	1.4E-02	5.1E-12	5.5E-01	1.3E-07	1.0E-03	7.6E-11	1.6E-01	1.4E-02	1.6E-13
1.9E+00	1.2E-06	1.0E-03	2.4E-09	1.6E-01	1.4E-02	5.3E-12	5.4E-01	1.3E-07	1.0E-03	7.5E-11	1.6E-01	1.4E-02	1.6E-13
2.0E+00	1.2E-06	1.0E-03	2.5E-09	1.6E-01	1.4E-02	5.4E-12	5.4E-01	1.3E-07	1.0E-03	7.4E-11	1.6E-01	1.4E-02	1.6E-13
2.0E+00	1.2E-06	1.0E-03	2.6E-09	1.6E-01	1.4E-02	5.5E-12	5.3E-01	1.3E-07	1.0E-03	7.3E-11	1.6E-01	1.4E-02	1.6E-13
2.0E+00	1.2E-06	1.0E-03	2.6E-09	1.6E-01	1.4E-02	5.6E-12	5.3E-01	1.3E-07	1.0E-03	7.3E-11	1.6E-01	1.4E-02	1.6E-13
2.1E+00	1.2E-06	1.0E-03	2.7E-09	1.6E-01	1.4E-02	5.7E-12	5.2E-01	1.3E-07	1.0E-03	7.2E-11	1.6E-01	1.4E-02	1.5E-13
2.1E+00	1.2E-06	1.0E-03	2.7E-09	1.6E-01	1.4E-02	5.8E-12	5.1E-01	1.3E-07	1.0E-03	7.1E-11	1.6E-01	1.4E-02	1.5E-13
2.1E+00	1.2E-06	1.0E-03	2.7E-09	1.6E-01	1.4E-02	5.8E-12	5.1E-01	1.3E-07	1.0E-03	7.0E-11	1.6E-01	1.4E-02	1.5E-13
2.1E+00	1.2E-06	1.0E-03	2.7E-09	1.6E-01	1.4E-02	5.8E-12	5.0E-01	1.3E-07	1.0E-03	6.9E-11	1.6E-01	1.4E-02	1.5E-13
2.1E+00	1.2E-06	1.0E-03	2.7E-09	1.6E-01	1.4E-02	5.8E-12	4.9E-01	1.3E-07	1.0E-03	6.8E-11	1.6E-01	1.4E-02	1.5E-13
2.1E+00	1.2E-06	1.0E-03	2.7E-09	1.6E-01	1.4E-02	5.8E-12	4.9E-01	1.3E-07	1.0E-03	6.7E-11	1.6E-01	1.4E-02	1.4E-13
2.1E+00	1.2E-06	1.0E-03	2.7E-09	1.6E-01	1.4E-02	5.7E-12	4.8E-01	1.3E-07	1.0E-03	6.6E-11	1.6E-01	1.4E-02	1.4E-13
2.0E+00	1.2E-06	1.0E-03	2.6E-09	1.6E-01	1.4E-02	5.7E-12	4.7E-01	1.3E-07	1.0E-03	6.5E-11	1.6E-01	1.4E-02	1.4E-13
2.0E+00	1.2E-06	1.0E-03	2.6E-09	1.6E-01	1.4E-02	5.6E-12	4.6E-01	1.3E-07	1.0E-03	6.4E-11	1.6E-01	1.4E-02	1.4E-13
2.0E+00	1.2E-06	1.0E-03	2.5E-09	1.6E-01	1.4E-02	5.5E-12	4.5E-01	1.3E-07	1.0E-03	6.3E-11	1.6E-01	1.4E-02	1.4E-13
1.9E+00	1.2E-06	1.0E-03	2.5E-09	1.6E-01	1.4E-02	5.3E-12	4.5E-01	1.3E-07	1.0E-03	6.2E-11	1.6E-01	1.4E-02	1.3E-13
1.9E+00	1.2E-06	1.0E-03	2.4E-09	1.6E-01	1.4E-02	5.2E-12	4.4E-01	1.3E-07	1.0E-03	6.1E-11	1.6E-01	1.4E-02	1.3E-13
1.8E+00	1.2E-06	1.0E-03	2.3E-09	1.6E-01	1.4E-02	5.0E-12	4.3E-01	1.3E-07	1.0E-03	6.0E-11	1.6E-01	1.4E-02	1.3E-13
1.8E+00	1.2E-06	1.0E-03	2.3E-09	1.6E-01	1.4E-02	4.9E-12	4.2E-01	1.3E-07	1.0E-03	5.8E-11	1.6E-01	1.4E-02	1.3E-13
1.7E+00	1.2E-06	1.0E-03	2.2E-09	1.6E-01	1.4E-02	4.7E-12	4.1E-01	1.3E-07	1.0E-03	5.7E-11	1.6E-01	1.4E-02	1.2E-13
1.6E+00	1.2E-06	1.0E-03	2.1E-09	1.6E-01	1.4E-02	4.5E-12	4.1E-01	1.3E-07	1.0E-03	5.6E-11	1.6E-01	1.4E-02	1.2E-13
1.6E+00	1.2E-06	1.0E-03	2.0E-09	1.6E-01	1.4E-02	4.4E-12	4.0E-01	1.3E-07	1.0E-03	5.5E-11	1.6E-01	1.4E-02	1.2E-13
1.5E+00	1.2E-06	1.0E-03	1.9E-09	1.6E-01	1.4E-02	4.1E-12	5.4E-01	1.3E-07	1.0E-03	7.5E-11	1.6E-01	1.4E-02	1.6E-13
1.5E+00	1.2E-06	1.0E-03	2.0E-09	1.6E-01	1.4E-02	4.2E-12	5.4E-01	1.3E-07	1.0E-03	7.4E-11	1.6E-01	1.4E-02	1.6E-13
1.6E+00	1.2E-06	1.0E-03	2.0E-09	1.6E-01	1.4E-02	4.4E-12	5.3E-01	1.3E-07	1.0E-03	7.4E-11	1.6E-01	1.4E-02	1.6E-13
1.6E+00	1.2E-06	1.0E-03	2.1E-09	1.6E-01	1.4E-02	4.6E-12	5.3E-01	1.3E-07	1.0E-03	7.3E-11	1.6E-01	1.4E-02	1.6E-13
1.7E+00	1.2E-06	1.0E-03	2.2E-09	1.6E-01	1.4E-02	4.7E-12	5.3E-01	1.3E-07	1.0E-03	7.3E-11	1.6E-01	1.4E-02	1.6E-13
1.8E+00	1.2E-06	1.0E-03	2.3E-09	1.6E-01	1.4E-02	4.9E-12	5.2E-01	1.3E-07	1.0E-03	7.2E-11	1.6E-01	1.4E-02	1.6E-13
1.8E+00	1.2E-06	1.0E-03	2.3E-09	1.6E-01	1.4E-02	5.0E-12	5.2E-01	1.3E-07	1.0E-03	7.2E-11	1.6E-01	1.4E-02	1.5E-13
1.8E+00	1.2E-06	1.0E-03	2.4E-09	1.6E-01	1.4E-02	5.1E-12	5.1E-01	1.3E-07	1.0E-03	7.1E-11	1.6E-01	1.4E-02	1.5E-13
1.9E+00	1.2E-06	1.0E-03	2.4E-09	1.6E-01	1.4E-02	5.2E-12	5.1E-01	1.3E-07	1.0E-03	7.0E-11	1.6E-01	1.4E-02	1.5E-13
1.9E+00	1.2E-06	1.0E-03	2.5E-09	1.6E-01	1.4E-02	5.3E-12	5.0E-01	1.3E-07	1.0E-03	6.9E-11	1.6E-01	1.4E-02	1.5E-13
1.9E+00	1.2E-06	1.0E-03	2.5E-09	1.6E-01	1.4E-02	5.4E-12	5.0E-01	1.3E-07	1.0E-03	6.9E-11	1.6E-01	1.4E-02	1.5E-13
1.9E+00	1.2E-06	1.0E-03	2.5E-09	1.6E-01	1.4E-02	5.4E-12	4.9E-01	1.3E-07	1.0E-03	6.8E-11	1.6E-01	1.4E-02	1.5E-13
2.0E+00	1.2E-06	1.0E-03	2.5E-09	1.6E-01	1.4E-02	5.4E-12	4.8E-01	1.3E-07	1.0E-03	6.7E-11	1.6E-01	1.4E-02	1.4E-13
2.0E+00	1.2E-06	1.0E-03	2.5E-09	1.6E-01	1.4E-02	5.4E-12	4.8E-01	1.3E-07	1.0E-03	6.6E-11	1.6E-01	1.4E-02	1.4E-13
1.9E+00	1.2E-06	1.0E-03	2.5E-09	1.6E-01	1.4E-02	5.4E-12	4.7E-01	1.3E-07	1.0E-03	6.5E-11	1.6E-01	1.4E-02	1.4E-13
1.9E+00	1.2E-06	1.0E-03	2.5E-09	1.6E-01	1.4E-02	5.3E-12	4.6E-01	1.3E-07	1.0E-03	6.4E-11	1.6E-01	1.4E-02	1.4E-13
1.9E+00	1.2E-06	1.0E-03	2.5E-09	1.6E-01	1.4E-02	5.3E-12	4.6E-01	1.3E-07	1.0E-03	6.3E-11	1.6E-01	1.4E-02	1.4E-13
1.9E+00	1.2E-06	1.0E-03	2.4E-09	1.6E-01	1.4E-02	5.2E-12	4.5E-01	1.3E-07	1.0E-03	6.2E-11	1.6E-01	1.4E-02	1.3E-13
1.8E+00	1.2E-06	1.0E-03	2.4E-09	1.6E-01	1.4E-02	5.1E-12	4.4E-01	1.3E-07	1.0E-03	6.1E-11	1.6E-01	1.4E-02	1.3E-13
1.8E+00	1.2E-06	1.0E-03	2.3E-09	1.6E-01	1.4E-02	5.0E-12	4.3E-01	1.3E-07	1.0E-03	6.0E-11	1.6E-01	1.4E-02	1.3E-13
1.8E+00	1.2E-06	1.0E-03	2.3E-09	1.6E-01	1.4E-02	4.9E-12	4.3E-01	1.3E-07	1.0E-03	5.9E-11	1.6E-01	1.4E-02	1.3E-13

1.7E+00	1.2E-06	1.0E-03	2.2E-09	1.6E-01	1.4E-02	4.7E-12	4.2E-01	1.3E-07	1.0E-03	5.8E-11	1.6E-01	1.4E-02	1.2E-13
1.7E+00	1.2E-06	1.0E-03	2.1E-09	1.6E-01	1.4E-02	4.6E-12	4.1E-01	1.3E-07	1.0E-03	5.7E-11	1.6E-01	1.4E-02	1.2E-13
1.6E+00	1.2E-06	1.0E-03	2.1E-09	1.6E-01	1.4E-02	4.4E-12	4.0E-01	1.3E-07	1.0E-03	5.6E-11	1.6E-01	1.4E-02	1.2E-13
1.6E+00	1.2E-06	1.0E-03	2.0E-09	1.6E-01	1.4E-02	4.3E-12	4.0E-01	1.3E-07	1.0E-03	5.5E-11	1.6E-01	1.4E-02	1.2E-13
1.5E+00	1.2E-06	1.0E-03	1.9E-09	1.6E-01	1.4E-02	4.2E-12	3.9E-01	1.3E-07	1.0E-03	5.4E-11	1.6E-01	1.4E-02	1.2E-13
1.4E+00	1.2E-06	1.0E-03	1.8E-09	1.6E-01	1.4E-02	3.8E-12	5.2E-01	1.3E-07	1.0E-03	7.2E-11	1.6E-01	1.4E-02	1.6E-13
1.4E+00	1.2E-06	1.0E-03	1.8E-09	1.6E-01	1.4E-02	4.0E-12	5.2E-01	1.3E-07	1.0E-03	7.2E-11	1.6E-01	1.4E-02	1.5E-13
1.5E+00	1.2E-06	1.0E-03	1.9E-09	1.6E-01	1.4E-02	4.1E-12	5.2E-01	1.3E-07	1.0E-03	7.1E-11	1.6E-01	1.4E-02	1.5E-13
1.5E+00	1.2E-06	1.0E-03	2.0E-09	1.6E-01	1.4E-02	4.3E-12	5.1E-01	1.3E-07	1.0E-03	7.1E-11	1.6E-01	1.4E-02	1.5E-13
1.6E+00	1.2E-06	1.0E-03	2.0E-09	1.6E-01	1.4E-02	4.4E-12	5.1E-01	1.3E-07	1.0E-03	7.0E-11	1.6E-01	1.4E-02	1.5E-13
1.6E+00	1.2E-06	1.0E-03	2.1E-09	1.6E-01	1.4E-02	4.5E-12	5.0E-01	1.3E-07	1.0E-03	7.0E-11	1.6E-01	1.4E-02	1.5E-13
1.7E+00	1.2E-06	1.0E-03	2.2E-09	1.6E-01	1.4E-02	4.6E-12	5.0E-01	1.3E-07	1.0E-03	6.9E-11	1.6E-01	1.4E-02	1.5E-13
1.7E+00	1.2E-06	1.0E-03	2.2E-09	1.6E-01	1.4E-02	4.7E-12	5.0E-01	1.3E-07	1.0E-03	6.9E-11	1.6E-01	1.4E-02	1.5E-13
1.7E+00	1.2E-06	1.0E-03	2.2E-09	1.6E-01	1.4E-02	4.8E-12	4.9E-01	1.3E-07	1.0E-03	6.8E-11	1.6E-01	1.4E-02	1.5E-13
1.8E+00	1.2E-06	1.0E-03	2.3E-09	1.6E-01	1.4E-02	4.9E-12	4.9E-01	1.3E-07	1.0E-03	6.7E-11	1.6E-01	1.4E-02	1.4E-13
1.8E+00	1.2E-06	1.0E-03	2.3E-09	1.6E-01	1.4E-02	5.0E-12	4.8E-01	1.3E-07	1.0E-03	6.6E-11	1.6E-01	1.4E-02	1.4E-13
1.8E+00	1.2E-06	1.0E-03	2.3E-09	1.6E-01	1.4E-02	5.0E-12	4.7E-01	1.3E-07	1.0E-03	6.6E-11	1.6E-01	1.4E-02	1.4E-13
1.8E+00	1.2E-06	1.0E-03	2.3E-09	1.6E-01	1.4E-02	5.0E-12	4.7E-01	1.3E-07	1.0E-03	6.5E-11	1.6E-01	1.4E-02	1.4E-13
1.8E+00	1.2E-06	1.0E-03	2.3E-09	1.6E-01	1.4E-02	5.0E-12	4.6E-01	1.3E-07	1.0E-03	6.4E-11	1.6E-01	1.4E-02	1.4E-13
1.8E+00	1.2E-06	1.0E-03	2.3E-09	1.6E-01	1.4E-02	5.0E-12	4.6E-01	1.3E-07	1.0E-03	6.3E-11	1.6E-01	1.4E-02	1.4E-13
1.8E+00	1.2E-06	1.0E-03	2.3E-09	1.6E-01	1.4E-02	5.0E-12	4.5E-01	1.3E-07	1.0E-03	6.2E-11	1.6E-01	1.4E-02	1.3E-13
1.8E+00	1.2E-06	1.0E-03	2.3E-09	1.6E-01	1.4E-02	4.9E-12	4.4E-01	1.3E-07	1.0E-03	6.1E-11	1.6E-01	1.4E-02	1.3E-13
1.8E+00	1.2E-06	1.0E-03	2.3E-09	1.6E-01	1.4E-02	4.9E-12	4.4E-01	1.3E-07	1.0E-03	6.0E-11	1.6E-01	1.4E-02	1.3E-13
1.7E+00	1.2E-06	1.0E-03	2.2E-09	1.6E-01	1.4E-02	4.8E-12	4.3E-01	1.3E-07	1.0E-03	5.9E-11	1.6E-01	1.4E-02	1.3E-13
1.7E+00	1.2E-06	1.0E-03	2.2E-09	1.6E-01	1.4E-02	4.7E-12	4.2E-01	1.3E-07	1.0E-03	5.8E-11	1.6E-01	1.4E-02	1.3E-13
1.6E+00	1.2E-06	1.0E-03	2.1E-09	1.6E-01	1.4E-02	4.6E-12	4.1E-01	1.3E-07	1.0E-03	5.7E-11	1.6E-01	1.4E-02	1.2E-13
1.6E+00	1.2E-06	1.0E-03	2.1E-09	1.6E-01	1.4E-02	4.5E-12	4.1E-01	1.3E-07	1.0E-03	5.6E-11	1.6E-01	1.4E-02	1.2E-13
1.6E+00	1.2E-06	1.0E-03	2.0E-09	1.6E-01	1.4E-02	4.3E-12	4.0E-01	1.3E-07	1.0E-03	5.5E-11	1.6E-01	1.4E-02	1.2E-13
1.5E+00	1.2E-06	1.0E-03	2.0E-09	1.6E-01	1.4E-02	4.2E-12	3.9E-01	1.3E-07	1.0E-03	5.4E-11	1.6E-01	1.4E-02	1.2E-13
1.5E+00	1.2E-06	1.0E-03	1.9E-09	1.6E-01	1.4E-02	4.1E-12	3.9E-01	1.3E-07	1.0E-03	5.3E-11	1.6E-01	1.4E-02	1.2E-13
1.4E+00	1.2E-06	1.0E-03	1.8E-09	1.6E-01	1.4E-02	3.9E-12	3.8E-01	1.3E-07	1.0E-03	5.2E-11	1.6E-01	1.4E-02	1.1E-13

7. Construction Health Risk
f.Mitigated School Risk

Construction Health Risk
Mitigated School - Assumptions and Risk Summary

Franklin School Project

Mitigated School - Construction Health Risk Assumptions

	3rd	0-2	2-16	>16	Units
DBR	361	1090	631	261	L/kg
A	1	1	1	1	no units
EF	0.95890411	0.958904	0.958904	0.958904	years
Constant 1	0.000001	0.000001	0.000001	0.000001	no units
CPF	1.1	1.1	1.1	1.1	mg/kg-day-1
ASF	10	10	3	1	no units
Modernization Const	0.00	0.00	0.668	0.00	years
Modernization AC	0.00	0.00	0.274	0.00	years
Portable Set-up	0.00	0.00	0.038	0.00	years
New Building Demo	0.00	0.00	0.055	0.00	years
New Building Grading	0.00	0.00	0.014	0.00	years
New Building Const	0.00	0.00	0.548	0.00	years
New Building AC	0.00	0.00	0.027	0.00	years
New Building Pav	0.00	0.00	0.027	0.00	years
New Building Demo (Port. 2)	0.00	0.00	0.005	0.00	years
New Building Demo (Port. 1,3,4)	0.00	0.00	0.014	0.00	years
AT	70	70	70	70	years
FAH	1	1	1	0.73	day
Constant 2	1,000,000	1,000,000	1,000,000	1,000,000	no units
Dose Constants:	0.00034616	0.001045	0.000605	0.00025	no units
Risk Constants:	0.15714286	0.157143	0.047143	0.011471	no units

Dose = (Cair X DBR X A X EF X Constant 1)

Cancer Risk = Dose X CPF x ASF x (ED/AT) X FAH

Risk per Million = Cancer Risk X Constant 2

Non-Cancer Hazard Quotent = Average Annual Concentration x Chronic Inhalation REL

Onsite	lbs/day	g/day	g/sec
	2 to 16		
Modernization Const	0.0335	15.195344	0.0003517
Modernization AC	0.0143	6.4863709	0.0001501
Portable Set-up	0	0	0
New Building Demo	0.1077	48.851898	0.0011308
New Building Grading	0.0466	21.137404	0.0004893
New Building Const	0.0823	37.330652	0.0008641
New Building AC	0.0143	6.4863709	0.0001501
New Building Pav	0.0687	31.161796	0.0007213
New Building Demo (Port. 2)	0.0713	32.341136	0.0007486
New Building Demo (Port. 1,3,4)	0.0713	32.341136	0.0007486

Offsite

	Source	Miles	lbs/day	g/day	gr/sec
Mod - Building					
	Haul 1A	0.04256385	2.3323E-05	0.010579	2.45E-07
	Haul 2A	0.13434019	7.3611E-05	0.0333894	7.73E-07
	Haul B	0.27576401	0.0001511	0.0685394	1.59E-06
	Haul C	0.02963935	1.6241E-05	0.0073667	1.71E-07
NB - BC					
	Haul 1A	0.04256385	7.5799E-05	0.0343817	7.96E-07
	Haul 2A	0.13434019	0.00023924	0.1085156	2.51E-06
	Haul B	0.27576401	0.00049109	0.2227531	5.16E-06
	Haul C	0.02963935	5.2782E-05	0.0239417	5.54E-07
Portable Classrooms					
	Haul 1A	0.04256385	1.8111E-05	0.008215	1.9E-07
	Haul 2A	0.13434019	5.7162E-05	0.0259281	6E-07
	Haul B	0.27576401	0.00011734	0.0532234	1.23E-06
	Haul C	0.02963935	1.2612E-05	0.0057205	1.32E-07
NB - Demo					
	Haul 1A	0.04256385	0.00018728	0.0849492	1.97E-06
	Haul 2A	0.13434019	0.0005911	0.268117	6.21E-06
	Haul B	0.27576401	0.00121336	0.5503716	1.27E-05
	Haul C	0.02963935	0.00013041	0.0591544	1.37E-06
NB-Demo (Port. 2)					
	Haul 1A	0.04256385	1.8111E-05	0.008215	1.9E-07
	Haul 2A	0.13434019	5.7162E-05	0.0259281	6E-07
	Haul B	0.27576401	0.00011734	0.0532234	1.23E-06
	Haul C	0.02963935	1.2612E-05	0.0057205	1.32E-07
NB-Demo (Port. 1,3,4)					
	Haul 1A	0.04256385	1.8111E-05	0.008215	1.9E-07
	Haul 2A	0.13434019	5.7162E-05	0.0259281	6E-07
	Haul B	0.27576401	0.00011734	0.0532234	1.23E-06
	Haul C	0.02963935	1.2612E-05	0.0057205	1.32E-07

Franklin School Project

Mitigated School - Construction Health Risk Assumptions

Source Name	Description
Haul1A	Haul Route: Copeland from Site to Meade
HaulB	Haul Route: Copeland from Meade Ave to El Cajon Blvd
HaulC	Haul Route: El Cajon Blvd from Site to I-15
Haul2A	Haul Route: Maede form Site to Copeland
MOD	Modernization activities for Buildings 01-01, 02-02, and 02-03
NB1	New Building Demolition and Grading areas
NB2	Building Construction and Architectural Coating Areas
NB3	Paving areas

Construction activities can occur between 7 am and 7 pm Monday through Friday.

Receptor Designations

Residential #43 to 806

RES50 #1 to 272 - Residential receptors with 50 meter spacing

RES10 #273 to #806 - Residential receptors with 10 meter spacing

School

LL #807 to 820 - Onsite receptrs for the library and LLC building - Impacted by all phases

02-02 #821 to 835 - Onsite receptors for building 02-02. Impacted by all but 1/3 of Modernization.

01-01 #836 to 850 - Onsite receptors for building 01-01. Impacted by all but 1/3 of Modernization.

02-03 #851 to 865 - Onsite receptors for building 02-03. Impacted by all but 1/3 of Modernization.

Port #866 to 872 - Onsite receptors for portable buildings. Impacts vary by building

School receptors: Risk for onsite receptors is determined by conservately assuming that all onsite receptors are exposed for the duration of the construction project. However, because modernization requires painting and repairs to classrooms, it is anticipated that students sould be located in the portable classrooms during the time the reparis to their classrooms are occurring. As the portable classrooms are located on the other side of the campus from the new building construction (greatest risk source) risk to students would be similar or lower at the portable classrooms than they would in the library or building 02-03. Also, as a conservative estimate of onsite risk, the Assembly and Administrative building (building 02-03) is evaluated as if it were regular classrooms.

Franklin School Project
Mitigated School - Emissions

Onsite

Phase	Start	End	# days	lbs/day PM10	Source		
Mod - Building	1/1/2021	12/08/21	244	0.0335	MOD	Const. Hours	12
Mod - AC	06/01/21	10/18/21	100	0.0143	MOD		
Portable Classrooms	1/1/2021	1/20/2021	14	0.0000	-		
NB - Demo	01/21/19	02/17/21	20	0.1077	NB1		
NB - Grading	02/18/21	02/24/21	5	0.0466	NB1		
NB - BC	02/25/21	12/01/21	200	0.0823	NB2		
NB - AC	11/25/21	12/08/21	10	0.0143	NB2		
NB - Paving	11/25/21	12/08/21	10	0.0687	NB3		
NB-Demo (Port. 2)	12/09/21	12/11/21	2	0.0713	NB1		
NB-Demo (Port. 1,3,4)	12/13/21	12/17/21	5	0.0713	NB1		

Offsite

	Vendor Trips	miles/trip	lbs/day	lbs/day/mile	Haul Trips	miles/trip	lbs/day	lbs/day/mile
Mod - Building	4	7.30	0.004	0.00054795	0	20.00		
Mod - AC	0	7.30			0	20.00		
Portable Classrooms	0	7.30			10	20.00	8.51E-03	0.000426
NB - Demo		7.30			205	20.00	0.088	0.004400
NB - Grading	0	7.30			0	20.00		
NB - BC	12	7.30	0.013	0.00178082	0	20.00		
NB - AC	0	7.30			0	20.00		
NB - Paving	0	7.30			0	20.00		
NB-Demo (Port. 2)	0	7.30			6	20.00	8.51E-03	0.000426
NB-Demo (Port. 1,3,4)	0	7.30			15	20.00	8.51E-03	0.000426

Source	Meters	Miles
Haul 1A	68.50	0.04
Haul 2A	216.20	0.13
Haul B	443.80	0.28
Haul C	47.70	0.03

Franklin School Project

Mitigated School - Construction Cancer Risk Summary

865	Receptor
1.47	Max

Receptor #	X	Y	Total	Mod BC	Mod AC	Port	Demo	Grad	BC	0.00	Pav	Demo-Port. 2	Demo-Port. 1,3,4	Receptor Typ
807	490307	3624461	0.81	0.51	0.09	0.00	0.05	0.01	0.12	0.00	0.02	0.00	0.01	LL
808	490317	3624461	0.68	0.37	0.06	0.00	0.06	0.01	0.14	0.00	0.03	0.00	0.01	LL
809	490307	3624471	0.86	0.53	0.09	0.00	0.06	0.01	0.14	0.00	0.02	0.00	0.01	LL
810	490317	3624471	0.74	0.39	0.07	0.00	0.06	0.01	0.17	0.00	0.03	0.00	0.01	LL
811	490307	3624481	0.92	0.54	0.09	0.00	0.06	0.01	0.18	0.00	0.02	0.00	0.01	LL
812	490317	3624481	0.82	0.40	0.07	0.00	0.07	0.01	0.22	0.00	0.03	0.00	0.01	LL
813	490307	3624491	0.98	0.55	0.10	0.00	0.06	0.01	0.23	0.00	0.02	0.00	0.01	LL
814	490317	3624491	0.92	0.42	0.07	0.00	0.08	0.01	0.29	0.00	0.03	0.01	0.01	LL
815	490307	3624501	1.07	0.57	0.10	0.00	0.06	0.01	0.29	0.00	0.02	0.00	0.01	LL
816	490317	3624501	1.04	0.44	0.08	0.00	0.07	0.01	0.40	0.00	0.03	0.00	0.01	LL
817	490307	3624511	1.20	0.60	0.11	0.00	0.07	0.01	0.37	0.00	0.02	0.00	0.01	LL
818	490317	3624511	1.24	0.47	0.08	0.00	0.07	0.01	0.55	0.00	0.03	0.00	0.01	LL
819	490307	3624521	1.29	0.61	0.11	0.00	0.06	0.01	0.46	0.00	0.02	0.00	0.01	LL
820	490317	3624521	1.46	0.45	0.08	0.00	0.09	0.01	0.78	0.01	0.03	0.01	0.01	LL
821	490276	3624433	0.34	0.22	0.04	0.00	0.01	0.00	0.05	0.00	0.01	0.00	0.00	02-20
822	490286	3624433	0.33	0.20	0.04	0.00	0.02	0.00	0.06	0.00	0.01	0.00	0.00	02-20
823	490296	3624433	0.44	0.28	0.05	0.00	0.02	0.00	0.07	0.00	0.01	0.00	0.00	02-20
824	490276	3624443	0.39	0.26	0.04	0.00	0.02	0.00	0.06	0.00	0.01	0.00	0.00	02-20
825	490286	3624443	0.32	0.18	0.03	0.00	0.02	0.00	0.07	0.00	0.01	0.00	0.00	02-20
826	490296	3624443	0.51	0.33	0.06	0.00	0.03	0.00	0.08	0.00	0.01	0.00	0.00	02-20
827	490276	3624453	0.57	0.40	0.07	0.00	0.02	0.00	0.07	0.00	0.01	0.00	0.00	02-20
828	490286	3624453	0.54	0.36	0.06	0.00	0.02	0.00	0.08	0.00	0.01	0.00	0.00	02-20
829	490296	3624453	0.70	0.47	0.08	0.00	0.03	0.00	0.09	0.00	0.02	0.00	0.01	02-20
830	490276	3624463	0.60	0.41	0.07	0.00	0.02	0.00	0.08	0.00	0.01	0.00	0.00	02-20
831	490286	3624463	0.57	0.37	0.06	0.00	0.02	0.00	0.09	0.00	0.02	0.00	0.00	02-20
832	490296	3624463	0.75	0.49	0.09	0.00	0.03	0.00	0.10	0.00	0.02	0.00	0.01	02-20
833	490276	3624473	0.63	0.43	0.07	0.00	0.02	0.00	0.09	0.00	0.01	0.00	0.00	02-20
834	490286	3624473	0.60	0.38	0.07	0.00	0.03	0.00	0.10	0.00	0.02	0.00	0.00	02-20
835	490296	3624473	0.78	0.51	0.09	0.00	0.04	0.00	0.12	0.00	0.02	0.00	0.01	02-20
836	490276	3624481	0.65	0.44	0.08	0.00	0.02	0.00	0.10	0.00	0.01	0.00	0.00	01-01
837	490286	3624481	0.63	0.39	0.07	0.00	0.03	0.00	0.12	0.00	0.02	0.00	0.00	01-01
838	490296	3624481	0.82	0.52	0.09	0.00	0.04	0.00	0.14	0.00	0.02	0.00	0.01	01-01
839	490276	3624491	0.68	0.45	0.08	0.00	0.02	0.00	0.11	0.00	0.01	0.00	0.00	01-01
840	490286	3624491	0.68	0.41	0.07	0.00	0.03	0.00	0.14	0.00	0.02	0.00	0.00	01-01
841	490296	3624491	0.87	0.54	0.09	0.00	0.04	0.00	0.17	0.00	0.02	0.00	0.01	01-01
842	490276	3624501	0.70	0.45	0.08	0.00	0.02	0.00	0.12	0.00	0.01	0.00	0.00	01-01
843	490286	3624501	0.71	0.42	0.07	0.00	0.03	0.00	0.16	0.00	0.02	0.00	0.00	01-01
844	490296	3624501	0.93	0.55	0.10	0.00	0.04	0.00	0.21	0.00	0.02	0.00	0.01	01-01
845	490276	3624511	0.69	0.44	0.08	0.00	0.02	0.00	0.13	0.00	0.01	0.00	0.00	01-01
846	490286	3624511	0.72	0.41	0.07	0.00	0.03	0.00	0.18	0.00	0.02	0.00	0.00	01-01
847	490296	3624511	0.98	0.56	0.10	0.00	0.04	0.00	0.25	0.00	0.02	0.00	0.01	01-01
848	490276	3624521	0.68	0.42	0.07	0.00	0.02	0.00	0.14	0.00	0.01	0.00	0.00	01-01
849	490286	3624521	0.72	0.40	0.07	0.00	0.03	0.00	0.20	0.00	0.01	0.00	0.00	01-01
850	490296	3624521	0.96	0.51	0.09	0.00	0.04	0.00	0.29	0.00	0.02	0.00	0.01	01-01
851	490279	3624525	0.68	0.40	0.07	0.00	0.02	0.00	0.16	0.00	0.01	0.00	0.00	02-03
852	490289	3624525	0.81	0.45	0.08	0.00	0.03	0.00	0.23	0.00	0.02	0.00	0.00	02-03
853	490299	3624525	1.02	0.51	0.09	0.00	0.04	0.00	0.34	0.00	0.02	0.00	0.01	02-03
854	490309	3624525	1.24	0.50	0.09	0.00	0.07	0.01	0.54	0.00	0.02	0.00	0.01	02-03

Franklin School Project

Mitigated School - Construction Cancer Risk Summary

865	Receptor
1.47	Max

Receptor #	X	Y	Total	Mod BC	Mod AC	Port	Demo	Grad	BC	0.00	Pav	Demo-Port. 2	Demo-Port. 1,3,4	Receptor Typ
855	490319	3624525	1.40	0.44	0.08	0.00	0.07	0.01	0.76	0.01	0.02	0.00	0.01	02-03
856	490279	3624535	0.59	0.33	0.06	0.00	0.02	0.00	0.16	0.00	0.01	0.00	0.00	02-03
857	490289	3624535	0.64	0.30	0.05	0.00	0.03	0.00	0.23	0.00	0.01	0.00	0.00	02-03
858	490299	3624535	0.82	0.32	0.06	0.00	0.04	0.00	0.36	0.00	0.02	0.00	0.01	02-03
859	490309	3624535	1.08	0.32	0.06	0.00	0.07	0.01	0.60	0.01	0.02	0.00	0.01	02-03
860	490319	3624535	1.38	0.34	0.06	0.00	0.06	0.01	0.86	0.01	0.02	0.00	0.01	02-03
861	490279	3624545	0.54	0.29	0.05	0.00	0.02	0.00	0.16	0.00	0.01	0.00	0.00	02-03
862	490289	3624545	0.74	0.39	0.07	0.00	0.03	0.00	0.23	0.00	0.01	0.00	0.00	02-03
863	490299	3624545	0.82	0.34	0.06	0.00	0.04	0.00	0.35	0.00	0.01	0.00	0.01	02-03
864	490309	3624545	1.10	0.37	0.06	0.00	0.06	0.01	0.56	0.00	0.02	0.00	0.01	02-03
865	490319	3624545	1.47	0.34	0.06	0.00	0.06	0.01	0.96	0.01	0.02	0.00	0.01	02-03
866	490298	3624431	0.40	0.25	0.04	0.00	0.02	0.00	0.07	0.00	0.01	0.00	0.00	Port
867	490298	3624441	0.66	0.45	0.08	0.00	0.03	0.00	0.08	0.00	0.01	0.00	0.00	Port
868	490308	3624441	0.64	0.41	0.07	0.00	0.04	0.00	0.08	0.00	0.02	0.00	0.01	Port
869	490318	3624441	0.55	0.30	0.05	0.00	0.06	0.01	0.09	0.00	0.02	0.00	0.01	Port
870	490298	3624451	0.66	0.43	0.08	0.00	0.03	0.00	0.09	0.00	0.02	0.00	0.01	Port
871	490308	3624451	0.72	0.46	0.08	0.00	0.05	0.00	0.10	0.00	0.02	0.00	0.01	Port
872	490318	3624451	0.61	0.34	0.06	0.00	0.06	0.01	0.11	0.00	0.02	0.00	0.01	Port

Franklin School Project

Mitigated School - Construction Health Impact Assessment

820	Receptor
0.06	Max

Receptor #	Max	Mod BC	Mod AC	Port	Demo	Grad	BC	AC	Paving	Demo-Port. 2	Demo-Port. 1,3,4
807	3.35E-02	0.005307	0.002264	3.66E-06	0.006667	0.002868	0.001504	0.000259	0.005851	0.004391974	0.004391974
808	3.50E-02	0.003886	0.001658	3.55E-06	0.007521	0.003238	0.001732	0.000298	0.006754	0.004958073	0.004958073
809	3.52E-02	0.00551	0.002351	3.1E-06	0.007368	0.003174	0.001841	0.000318	0.004959	0.004859867	0.004859867
810	3.69E-02	0.00407	0.001736	3.03E-06	0.007975	0.003437	0.002171	0.000375	0.006573	0.005261745	0.005261745
811	3.78E-02	0.005663	0.002417	2.65E-06	0.0076	0.003276	0.002291	0.000396	0.006098	0.005015784	0.005015784
812	4.37E-02	0.00422	0.001801	2.61E-06	0.009596	0.00414	0.002786	0.000482	0.008023	0.006337596	0.006337596
813	3.94E-02	0.005804	0.002477	2.3E-06	0.007758	0.003347	0.002897	0.000502	0.006388	0.005122642	0.005122642
814	4.69E-02	0.004365	0.001863	2.28E-06	0.010336	0.004462	0.003697	0.000641	0.007834	0.006829628	0.006829628
815	4.16E-02	0.005986	0.002554	2.02E-06	0.008147	0.003516	0.003712	0.000644	0.006234	0.005381772	0.005381772
816	4.50E-02	0.004565	0.001948	2E-06	0.008989	0.00388	0.005077	0.000881	0.007774	0.005939104	0.005939104
817	4.33E-02	0.006332	0.002702	1.78E-06	0.008374	0.003615	0.004786	0.00083	0.005611	0.005533641	0.005533641
818	4.81E-02	0.004946	0.002111	1.77E-06	0.009044	0.003905	0.007079	0.001229	0.007784	0.005977095	0.005977095
819	4.38E-02	0.006377	0.002721	1.58E-06	0.008123	0.003508	0.005914	0.001027	0.005349	0.005368375	0.005368375
820	5.57E-02	0.004734	0.00202	1.58E-06	0.010976	0.004742	0.009929	0.001724	0.007068	0.007256961	0.007256961
821	1.07E-02	0.002329	0.000992	6.62E-06	0.001845	0.000769	0.000698	0.000117	0.001578	0.001182572	0.001182572
822	1.21E-02	0.002131	0.000908	7.2E-06	0.002273	0.000951	0.000768	0.000128	0.001987	0.001462683	0.001462683
823	1.57E-02	0.002956	0.00126	6.72E-06	0.002905	0.001227	0.000845	0.000142	0.002574	0.00188379	0.00188379
824	1.21E-02	0.002699	0.00115	5.21E-06	0.002022	0.000851	0.000776	0.000131	0.001876	0.001307954	0.001307954
825	1.32E-02	0.001883	0.000802	5.52E-06	0.002562	0.001084	0.000866	0.000146	0.002512	0.001664179	0.001664179
826	1.87E-02	0.003418	0.001457	5.33E-06	0.003388	0.001442	0.000967	0.000164	0.003455	0.0022119	0.0022119
827	1.52E-02	0.004145	0.001768	4.53E-06	0.002222	0.000941	0.000876	0.000149	0.00225	0.001444445	0.001444445
828	1.77E-02	0.003746	0.001598	4.32E-06	0.00289	0.001231	0.000995	0.00017	0.00327	0.001888004	0.001888004
829	2.30E-02	0.004975	0.002122	4.33E-06	0.003924	0.001678	0.001129	0.000193	0.003848	0.002572385	0.002572385
830	1.65E-02	0.004349	0.001855	3.49E-06	0.002389	0.001018	0.000991	0.00017	0.002591	0.001561288	0.001561288
831	1.94E-02	0.003863	0.001648	3.56E-06	0.003142	0.001344	0.001144	0.000196	0.003962	0.002059444	0.002059444
832	2.51E-02	0.005175	0.002208	3.58E-06	0.004389	0.001883	0.001331	0.000229	0.004073	0.002884546	0.002884546
833	1.74E-02	0.004481	0.001912	2.92E-06	0.002522	0.001078	0.001124	0.000193	0.002815	0.001652756	0.001652756
834	2.06E-02	0.003964	0.001691	2.99E-06	0.003317	0.001422	0.001319	0.000227	0.004299	0.002178529	0.002178529
835	2.64E-02	0.005299	0.002261	3.02E-06	0.004741	0.002038	0.001588	0.000274	0.00392	0.003120792	0.003120792
836	1.81E-02	0.004609	0.001967	2.57E-06	0.002604	0.001115	0.001243	0.000214	0.00291	0.001708776	0.001708776
837	2.13E-02	0.004106	0.001752	2.64E-06	0.003417	0.001466	0.001482	0.000256	0.004316	0.002246416	0.002246416
838	2.81E-02	0.005435	0.002319	2.66E-06	0.004866	0.002094	0.001827	0.000315	0.004811	0.00320599	0.00320599
839	1.88E-02	0.004758	0.00203	2.22E-06	0.002678	0.001149	0.001408	0.000243	0.002984	0.001759823	0.001759823
840	2.23E-02	0.004339	0.001851	2.27E-06	0.003536	0.00152	0.001727	0.000299	0.004419	0.002327435	0.002327435
841	2.94E-02	0.005621	0.002399	2.3E-06	0.005005	0.002155	0.002196	0.00038	0.005038	0.003300065	0.003300065
842	1.90E-02	0.004742	0.002024	1.93E-06	0.002706	0.001162	0.001575	0.000272	0.002988	0.001780148	0.001780148
843	2.25E-02	0.004438	0.001894	1.98E-06	0.003626	0.00156	0.002008	0.000348	0.003848	0.002388872	0.002388872
844	3.05E-02	0.005796	0.002473	2.01E-06	0.005163	0.002225	0.002659	0.000461	0.004946	0.003405969	0.003405969
845	1.88E-02	0.0046	0.001963	1.7E-06	0.002675	0.00115	0.001723	0.000298	0.002827	0.001761065	0.001761065
846	2.32E-02	0.004306	0.001838	1.74E-06	0.003618	0.001557	0.002278	0.000394	0.004413	0.002384701	0.002384701
847	3.10E-02	0.005862	0.002502	1.77E-06	0.005227	0.002254	0.003181	0.000551	0.004545	0.003450365	0.003450365
848	1.82E-02	0.004416	0.001885	1.51E-06	0.002609	0.001122	0.001845	0.000319	0.002542	0.001718403	0.001718403
849	2.24E-02	0.00424	0.00181	1.55E-06	0.003533	0.001522	0.002505	0.000434	0.003735	0.002329764	0.002329764
850	3.06E-02	0.005352	0.002284	1.57E-06	0.005143	0.002218	0.00367	0.000637	0.004455	0.003395586	0.003395586

Franklin School Project

Mitigated School - Construction Health Impact Assessment

820	Receptor
0.06	Max

Receptor #	Max	Mod BC	Mod AC	Port	Demo	Grad	BC	AC	Paving	Demo-Port. 2	Demo-Port. 1,3,4
851	1.88E-02	0.004247	0.001812	1.46E-06	0.0028	0.001205	0.002054	0.000356	0.00267	0.001845123	0.001845123
852	2.46E-02	0.004691	0.002002	1.49E-06	0.003875	0.00167	0.002879	0.000499	0.003862	0.002556702	0.002556702
853	3.31E-02	0.005367	0.00229	1.5E-06	0.005733	0.002474	0.00436	0.000757	0.004525	0.003786328	0.003786328
854	4.57E-02	0.0052	0.002219	1.51E-06	0.008697	0.003756	0.006931	0.001203	0.006158	0.005749027	0.005749027
855	4.84E-02	0.004588	0.001958	1.51E-06	0.008948	0.003865	0.009746	0.001692	0.005736	0.005915199	0.005915199
856	1.70E-02	0.003487	0.001488	1.3E-06	0.002652	0.001142	0.002103	0.000364	0.002271	0.001748153	0.001748153
857	2.12E-02	0.003165	0.001351	1.33E-06	0.003665	0.00158	0.002996	0.00052	0.003083	0.002418275	0.002418275
858	2.92E-02	0.003393	0.001448	1.35E-06	0.005384	0.002323	0.004602	0.000799	0.004184	0.00355628	0.00355628
859	4.27E-02	0.003315	0.001415	1.36E-06	0.008442	0.003646	0.00763	0.001325	0.005793	0.005580639	0.005580639
860	4.50E-02	0.003597	0.001535	1.36E-06	0.007839	0.003386	0.011044	0.001918	0.005275	0.005181675	0.005181675
861	1.57E-02	0.003075	0.001312	1.17E-06	0.002496	0.001075	0.002106	0.000365	0.001956	0.001645466	0.001645466
862	2.12E-02	0.004065	0.001735	1.2E-06	0.003385	0.001459	0.002976	0.000516	0.002549	0.002233901	0.002233901
863	2.71E-02	0.003614	0.001542	1.22E-06	0.004831	0.002085	0.004478	0.000777	0.003395	0.0031908	0.0031908
864	3.89E-02	0.00388	0.001656	1.22E-06	0.007322	0.003163	0.007216	0.001253	0.004713	0.004840387	0.004840387
865	4.46E-02	0.003574	0.001525	1.23E-06	0.007386	0.00319	0.0123	0.002136	0.004673	0.004882365	0.004882365
866	1.55E-02	0.002652	0.00113	7.02E-06	0.002988	0.001261	0.000842	0.000141	0.002585	0.001937006	0.001937006
867	2.09E-02	0.004749	0.002025	5.55E-06	0.003496	0.001488	0.000961	0.000163	0.003456	0.002281803	0.002281803
868	2.55E-02	0.0043	0.001834	5.37E-06	0.004885	0.00209	0.00107	0.000182	0.004698	0.003202689	0.003202689
869	3.10E-02	0.003187	0.001359	5.09E-06	0.007217	0.0031	0.001186	0.000202	0.005277	0.00474823	0.00474823
870	2.29E-02	0.004548	0.00194	4.49E-06	0.004083	0.001747	0.001121	0.000191	0.003928	0.002676721	0.002676721
871	2.87E-02	0.004818	0.002055	4.39E-06	0.005925	0.002544	0.001266	0.000217	0.00404	0.003896757	0.003896757
872	3.42E-02	0.003526	0.001504	4.21E-06	0.00797	0.00343	0.001436	0.000247	0.005603	0.005251823	0.005251823

Risk From Modernization Const - Mitigated School

Franklin School Project
Risk From Modernization Const - Mitigated School

0.61	Max

Onsite

Receptor #	Total/ Million	Total	Conc	g/sec	D1	Dose	R1	ED	Risk
807	0.51	5.1E-07	7.5E+01	3.5E-04	6.1E-04	1.6E-05	4.7E-02	6.7E-01	5.1E-07
808	0.37	3.7E-07	5.5E+01	3.5E-04	6.1E-04	1.2E-05	4.7E-02	6.7E-01	3.7E-07
809	0.53	5.3E-07	7.8E+01	3.5E-04	6.1E-04	1.7E-05	4.7E-02	6.7E-01	5.3E-07
810	0.39	3.9E-07	5.8E+01	3.5E-04	6.1E-04	1.2E-05	4.7E-02	6.7E-01	3.9E-07
811	0.54	5.4E-07	8.0E+01	3.5E-04	6.1E-04	1.7E-05	4.7E-02	6.7E-01	5.4E-07
812	0.40	4.0E-07	6.0E+01	3.5E-04	6.1E-04	1.3E-05	4.7E-02	6.7E-01	4.0E-07
813	0.55	5.5E-07	8.2E+01	3.5E-04	6.1E-04	1.8E-05	4.7E-02	6.7E-01	5.5E-07
814	0.42	4.2E-07	6.2E+01	3.5E-04	6.1E-04	1.3E-05	4.7E-02	6.7E-01	4.2E-07
815	0.57	5.7E-07	8.5E+01	3.5E-04	6.1E-04	1.8E-05	4.7E-02	6.7E-01	5.7E-07
816	0.44	4.4E-07	6.5E+01	3.5E-04	6.1E-04	1.4E-05	4.7E-02	6.7E-01	4.4E-07
817	0.60	6.0E-07	9.0E+01	3.5E-04	6.1E-04	1.9E-05	4.7E-02	6.7E-01	6.0E-07
818	0.47	4.7E-07	7.0E+01	3.5E-04	6.1E-04	1.5E-05	4.7E-02	6.7E-01	4.7E-07
819	0.61	6.1E-07	9.1E+01	3.5E-04	6.1E-04	1.9E-05	4.7E-02	6.7E-01	6.1E-07
820	0.45	4.5E-07	6.7E+01	3.5E-04	6.1E-04	1.4E-05	4.7E-02	6.7E-01	4.5E-07
821	0.22	2.2E-07	3.3E+01	3.5E-04	6.1E-04	7.0E-06	4.7E-02	6.7E-01	2.2E-07
822	0.20	2.0E-07	3.0E+01	3.5E-04	6.1E-04	6.4E-06	4.7E-02	6.7E-01	2.0E-07
823	0.28	2.8E-07	4.2E+01	3.5E-04	6.1E-04	8.9E-06	4.7E-02	6.7E-01	2.8E-07
824	0.26	2.6E-07	3.8E+01	3.5E-04	6.1E-04	8.2E-06	4.7E-02	6.7E-01	2.6E-07
825	0.18	1.8E-07	2.7E+01	3.5E-04	6.1E-04	5.7E-06	4.7E-02	6.7E-01	1.8E-07
826	0.33	3.3E-07	4.9E+01	3.5E-04	6.1E-04	1.0E-05	4.7E-02	6.7E-01	3.3E-07
827	0.40	4.0E-07	5.9E+01	3.5E-04	6.1E-04	1.3E-05	4.7E-02	6.7E-01	3.9E-07
828	0.36	3.6E-07	5.3E+01	3.5E-04	6.1E-04	1.1E-05	4.7E-02	6.7E-01	3.6E-07
829	0.47	4.7E-07	7.1E+01	3.5E-04	6.1E-04	1.5E-05	4.7E-02	6.7E-01	4.7E-07
830	0.41	4.1E-07	6.2E+01	3.5E-04	6.1E-04	1.3E-05	4.7E-02	6.7E-01	4.1E-07
831	0.37	3.7E-07	5.5E+01	3.5E-04	6.1E-04	1.2E-05	4.7E-02	6.7E-01	3.7E-07
832	0.49	4.9E-07	7.4E+01	3.5E-04	6.1E-04	1.6E-05	4.7E-02	6.7E-01	4.9E-07
833	0.43	4.3E-07	6.4E+01	3.5E-04	6.1E-04	1.4E-05	4.7E-02	6.7E-01	4.3E-07
834	0.38	3.8E-07	5.6E+01	3.5E-04	6.1E-04	1.2E-05	4.7E-02	6.7E-01	3.8E-07
835	0.51	5.1E-07	7.5E+01	3.5E-04	6.1E-04	1.6E-05	4.7E-02	6.7E-01	5.0E-07
836	0.44	4.4E-07	6.5E+01	3.5E-04	6.1E-04	1.4E-05	4.7E-02	6.7E-01	4.4E-07
837	0.39	3.9E-07	5.8E+01	3.5E-04	6.1E-04	1.2E-05	4.7E-02	6.7E-01	3.9E-07
838	0.52	5.2E-07	7.7E+01	3.5E-04	6.1E-04	1.6E-05	4.7E-02	6.7E-01	5.2E-07
839	0.45	4.5E-07	6.8E+01	3.5E-04	6.1E-04	1.4E-05	4.7E-02	6.7E-01	4.5E-07
840	0.41	4.1E-07	6.2E+01	3.5E-04	6.1E-04	1.3E-05	4.7E-02	6.7E-01	4.1E-07
841	0.54	5.4E-07	8.0E+01	3.5E-04	6.1E-04	1.7E-05	4.7E-02	6.7E-01	5.4E-07
842	0.45	4.5E-07	6.7E+01	3.5E-04	6.1E-04	1.4E-05	4.7E-02	6.7E-01	4.5E-07
843	0.42	4.2E-07	6.3E+01	3.5E-04	6.1E-04	1.3E-05	4.7E-02	6.7E-01	4.2E-07
844	0.55	5.5E-07	8.2E+01	3.5E-04	6.1E-04	1.8E-05	4.7E-02	6.7E-01	5.5E-07
845	0.44	4.4E-07	6.5E+01	3.5E-04	6.1E-04	1.4E-05	4.7E-02	6.7E-01	4.4E-07
846	0.41	4.1E-07	6.1E+01	3.5E-04	6.1E-04	1.3E-05	4.7E-02	6.7E-01	4.1E-07
847	0.56	5.6E-07	8.3E+01	3.5E-04	6.1E-04	1.8E-05	4.7E-02	6.7E-01	5.6E-07
848	0.42	4.2E-07	6.3E+01	3.5E-04	6.1E-04	1.3E-05	4.7E-02	6.7E-01	4.2E-07
849	0.40	4.0E-07	6.0E+01	3.5E-04	6.1E-04	1.3E-05	4.7E-02	6.7E-01	4.0E-07

Franklin School Project
Risk From Modernization Const - Mitigated School

0.61	Max

Onsite

Receptor #	Total/ Million	Total	Conc	g/sec	D1	Dose	R1	ED	Risk
850	0.51	5.1E-07	7.6E+01	3.5E-04	6.1E-04	1.6E-05	4.7E-02	6.7E-01	5.1E-07
851	0.40	4.0E-07	6.0E+01	3.5E-04	6.1E-04	1.3E-05	4.7E-02	6.7E-01	4.0E-07
852	0.45	4.5E-07	6.7E+01	3.5E-04	6.1E-04	1.4E-05	4.7E-02	6.7E-01	4.5E-07
853	0.51	5.1E-07	7.6E+01	3.5E-04	6.1E-04	1.6E-05	4.7E-02	6.7E-01	5.1E-07
854	0.50	5.0E-07	7.4E+01	3.5E-04	6.1E-04	1.6E-05	4.7E-02	6.7E-01	5.0E-07
855	0.44	4.4E-07	6.5E+01	3.5E-04	6.1E-04	1.4E-05	4.7E-02	6.7E-01	4.4E-07
856	0.33	3.3E-07	5.0E+01	3.5E-04	6.1E-04	1.1E-05	4.7E-02	6.7E-01	3.3E-07
857	0.30	3.0E-07	4.5E+01	3.5E-04	6.1E-04	9.6E-06	4.7E-02	6.7E-01	3.0E-07
858	0.32	3.2E-07	4.8E+01	3.5E-04	6.1E-04	1.0E-05	4.7E-02	6.7E-01	3.2E-07
859	0.32	3.2E-07	4.7E+01	3.5E-04	6.1E-04	1.0E-05	4.7E-02	6.7E-01	3.2E-07
860	0.34	3.4E-07	5.1E+01	3.5E-04	6.1E-04	1.1E-05	4.7E-02	6.7E-01	3.4E-07
861	0.29	2.9E-07	4.4E+01	3.5E-04	6.1E-04	9.3E-06	4.7E-02	6.7E-01	2.9E-07
862	0.39	3.9E-07	5.8E+01	3.5E-04	6.1E-04	1.2E-05	4.7E-02	6.7E-01	3.9E-07
863	0.34	3.4E-07	5.1E+01	3.5E-04	6.1E-04	1.1E-05	4.7E-02	6.7E-01	3.4E-07
864	0.37	3.7E-07	5.5E+01	3.5E-04	6.1E-04	1.2E-05	4.7E-02	6.7E-01	3.7E-07
865	0.34	3.4E-07	5.1E+01	3.5E-04	6.1E-04	1.1E-05	4.7E-02	6.7E-01	3.4E-07
866	0.25	2.5E-07	3.8E+01	3.5E-04	6.1E-04	8.0E-06	4.7E-02	6.7E-01	2.5E-07
867	0.45	4.5E-07	6.7E+01	3.5E-04	6.1E-04	1.4E-05	4.7E-02	6.7E-01	4.5E-07
868	0.41	4.1E-07	6.1E+01	3.5E-04	6.1E-04	1.3E-05	4.7E-02	6.7E-01	4.1E-07
869	0.30	3.0E-07	4.5E+01	3.5E-04	6.1E-04	9.6E-06	4.7E-02	6.7E-01	3.0E-07
870	0.43	4.3E-07	6.5E+01	3.5E-04	6.1E-04	1.4E-05	4.7E-02	6.7E-01	4.3E-07
871	0.46	4.6E-07	6.8E+01	3.5E-04	6.1E-04	1.5E-05	4.7E-02	6.7E-01	4.6E-07
872	0.34	3.4E-07	5.0E+01	3.5E-04	6.1E-04	1.1E-05	4.7E-02	6.7E-01	3.4E-07

Franklin School Project

Risk From Modernization Const - Mitigated School

	Haul Route 1A							Haul Route 2A						
Receptor #	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
807	2.0E+01	2.4E-07	6.1E-04	2.9E-09	4.7E-02	6.7E-01	9.2E-11	9.9E+00	7.7E-07	6.1E-04	4.6E-09	4.7E-02	6.7E-01	1.5E-10
808	1.7E+01	2.4E-07	6.1E-04	2.5E-09	4.7E-02	6.7E-01	7.9E-11	9.6E+00	7.7E-07	6.1E-04	4.5E-09	4.7E-02	6.7E-01	1.4E-10
809	1.6E+01	2.4E-07	6.1E-04	2.4E-09	4.7E-02	6.7E-01	7.5E-11	8.4E+00	7.7E-07	6.1E-04	3.9E-09	4.7E-02	6.7E-01	1.2E-10
810	1.4E+01	2.4E-07	6.1E-04	2.1E-09	4.7E-02	6.7E-01	6.6E-11	8.2E+00	7.7E-07	6.1E-04	3.8E-09	4.7E-02	6.7E-01	1.2E-10
811	1.3E+01	2.4E-07	6.1E-04	2.0E-09	4.7E-02	6.7E-01	6.2E-11	7.2E+00	7.7E-07	6.1E-04	3.4E-09	4.7E-02	6.7E-01	1.1E-10
812	1.2E+01	2.4E-07	6.1E-04	1.8E-09	4.7E-02	6.7E-01	5.6E-11	7.1E+00	7.7E-07	6.1E-04	3.3E-09	4.7E-02	6.7E-01	1.0E-10
813	1.1E+01	2.4E-07	6.1E-04	1.7E-09	4.7E-02	6.7E-01	5.2E-11	6.2E+00	7.7E-07	6.1E-04	2.9E-09	4.7E-02	6.7E-01	9.2E-11
814	1.0E+01	2.4E-07	6.1E-04	1.5E-09	4.7E-02	6.7E-01	4.8E-11	6.2E+00	7.7E-07	6.1E-04	2.9E-09	4.7E-02	6.7E-01	9.1E-11
815	9.5E+00	2.4E-07	6.1E-04	1.4E-09	4.7E-02	6.7E-01	4.4E-11	5.4E+00	7.7E-07	6.1E-04	2.5E-09	4.7E-02	6.7E-01	8.0E-11
816	8.8E+00	2.4E-07	6.1E-04	1.3E-09	4.7E-02	6.7E-01	4.1E-11	5.4E+00	7.7E-07	6.1E-04	2.5E-09	4.7E-02	6.7E-01	8.0E-11
817	8.2E+00	2.4E-07	6.1E-04	1.2E-09	4.7E-02	6.7E-01	3.8E-11	4.8E+00	7.7E-07	6.1E-04	2.2E-09	4.7E-02	6.7E-01	7.1E-11
818	7.7E+00	2.4E-07	6.1E-04	1.1E-09	4.7E-02	6.7E-01	3.6E-11	4.8E+00	7.7E-07	6.1E-04	2.2E-09	4.7E-02	6.7E-01	7.1E-11
819	7.1E+00	2.4E-07	6.1E-04	1.0E-09	4.7E-02	6.7E-01	3.3E-11	4.3E+00	7.7E-07	6.1E-04	2.0E-09	4.7E-02	6.7E-01	6.3E-11
820	6.7E+00	2.4E-07	6.1E-04	9.9E-10	4.7E-02	6.7E-01	3.1E-11	4.3E+00	7.7E-07	6.1E-04	2.0E-09	4.7E-02	6.7E-01	6.3E-11
821	3.2E+01	2.4E-07	6.1E-04	4.8E-09	4.7E-02	6.7E-01	1.5E-10	1.8E+01	7.7E-07	6.1E-04	8.4E-09	4.7E-02	6.7E-01	2.7E-10
822	6.9E+01	2.4E-07	6.1E-04	1.0E-08	4.7E-02	6.7E-01	3.2E-10	1.8E+01	7.7E-07	6.1E-04	8.6E-09	4.7E-02	6.7E-01	2.7E-10
823	4.7E+01	2.4E-07	6.1E-04	6.9E-09	4.7E-02	6.7E-01	2.2E-10	1.8E+01	7.7E-07	6.1E-04	8.5E-09	4.7E-02	6.7E-01	2.7E-10
824	2.2E+01	2.4E-07	6.1E-04	3.2E-09	4.7E-02	6.7E-01	1.0E-10	1.4E+01	7.7E-07	6.1E-04	6.6E-09	4.7E-02	6.7E-01	2.1E-10
825	5.0E+01	2.4E-07	6.1E-04	7.5E-09	4.7E-02	6.7E-01	2.4E-10	1.4E+01	7.7E-07	6.1E-04	6.8E-09	4.7E-02	6.7E-01	2.1E-10
826	3.7E+01	2.4E-07	6.1E-04	5.5E-09	4.7E-02	6.7E-01	1.7E-10	1.4E+01	7.7E-07	6.1E-04	6.8E-09	4.7E-02	6.7E-01	2.1E-10
827	4.4E+01	2.4E-07	6.1E-04	6.6E-09	4.7E-02	6.7E-01	2.1E-10	1.1E+01	7.7E-07	6.1E-04	5.3E-09	4.7E-02	6.7E-01	1.7E-10
828	3.6E+01	2.4E-07	6.1E-04	5.3E-09	4.7E-02	6.7E-01	1.7E-10	1.2E+01	7.7E-07	6.1E-04	5.5E-09	4.7E-02	6.7E-01	1.7E-10
829	2.9E+01	2.4E-07	6.1E-04	4.3E-09	4.7E-02	6.7E-01	1.3E-10	1.2E+01	7.7E-07	6.1E-04	5.5E-09	4.7E-02	6.7E-01	1.7E-10
830	3.0E+01	2.4E-07	6.1E-04	4.4E-09	4.7E-02	6.7E-01	1.4E-10	9.4E+00	7.7E-07	6.1E-04	4.4E-09	4.7E-02	6.7E-01	1.4E-10
831	2.6E+01	2.4E-07	6.1E-04	3.9E-09	4.7E-02	6.7E-01	1.2E-10	9.7E+00	7.7E-07	6.1E-04	4.5E-09	4.7E-02	6.7E-01	1.4E-10
832	2.2E+01	2.4E-07	6.1E-04	3.3E-09	4.7E-02	6.7E-01	1.0E-10	9.7E+00	7.7E-07	6.1E-04	4.5E-09	4.7E-02	6.7E-01	1.4E-10
833	2.2E+01	2.4E-07	6.1E-04	3.2E-09	4.7E-02	6.7E-01	1.0E-10	7.9E+00	7.7E-07	6.1E-04	3.7E-09	4.7E-02	6.7E-01	1.2E-10
834	2.0E+01	2.4E-07	6.1E-04	2.9E-09	4.7E-02	6.7E-01	9.2E-11	8.1E+00	7.7E-07	6.1E-04	3.8E-09	4.7E-02	6.7E-01	1.2E-10
835	1.8E+01	2.4E-07	6.1E-04	2.6E-09	4.7E-02	6.7E-01	8.3E-11	8.2E+00	7.7E-07	6.1E-04	3.8E-09	4.7E-02	6.7E-01	1.2E-10
836	1.7E+01	2.4E-07	6.1E-04	2.6E-09	4.7E-02	6.7E-01	8.1E-11	7.0E+00	7.7E-07	6.1E-04	3.3E-09	4.7E-02	6.7E-01	1.0E-10
837	1.6E+01	2.4E-07	6.1E-04	2.4E-09	4.7E-02	6.7E-01	7.6E-11	7.1E+00	7.7E-07	6.1E-04	3.3E-09	4.7E-02	6.7E-01	1.1E-10
838	1.5E+01	2.4E-07	6.1E-04	2.2E-09	4.7E-02	6.7E-01	7.0E-11	7.2E+00	7.7E-07	6.1E-04	3.4E-09	4.7E-02	6.7E-01	1.1E-10
839	1.4E+01	2.4E-07	6.1E-04	2.0E-09	4.7E-02	6.7E-01	6.4E-11	6.0E+00	7.7E-07	6.1E-04	2.8E-09	4.7E-02	6.7E-01	8.8E-11
840	1.3E+01	2.4E-07	6.1E-04	1.9E-09	4.7E-02	6.7E-01	6.1E-11	6.1E+00	7.7E-07	6.1E-04	2.9E-09	4.7E-02	6.7E-01	9.1E-11
841	1.2E+01	2.4E-07	6.1E-04	1.8E-09	4.7E-02	6.7E-01	5.7E-11	6.2E+00	7.7E-07	6.1E-04	2.9E-09	4.7E-02	6.7E-01	9.2E-11
842	1.1E+01	2.4E-07	6.1E-04	1.6E-09	4.7E-02	6.7E-01	5.2E-11	5.2E+00	7.7E-07	6.1E-04	2.4E-09	4.7E-02	6.7E-01	7.7E-11
843	1.1E+01	2.4E-07	6.1E-04	1.6E-09	4.7E-02	6.7E-01	5.0E-11	5.4E+00	7.7E-07	6.1E-04	2.5E-09	4.7E-02	6.7E-01	7.9E-11
844	1.0E+01	2.4E-07	6.1E-04	1.5E-09	4.7E-02	6.7E-01	4.8E-11	5.4E+00	7.7E-07	6.1E-04	2.5E-09	4.7E-02	6.7E-01	8.0E-11
845	9.1E+00	2.4E-07	6.1E-04	1.4E-09	4.7E-02	6.7E-01	4.3E-11	4.6E+00	7.7E-07	6.1E-04	2.1E-09	4.7E-02	6.7E-01	6.8E-11
846	8.9E+00	2.4E-07	6.1E-04	1.3E-09	4.7E-02	6.7E-01	4.2E-11	4.7E+00	7.7E-07	6.1E-04	2.2E-09	4.7E-02	6.7E-01	6.9E-11
847	8.6E+00	2.4E-07	6.1E-04	1.3E-09	4.7E-02	6.7E-01	4.0E-11	4.8E+00	7.7E-07	6.1E-04	2.2E-09	4.7E-02	6.7E-01	7.0E-11
848	7.7E+00	2.4E-07	6.1E-04	1.1E-09	4.7E-02	6.7E-01	3.6E-11	4.1E+00	7.7E-07	6.1E-04	1.9E-09	4.7E-02	6.7E-01	6.0E-11
849	7.6E+00	2.4E-07	6.1E-04	1.1E-09	4.7E-02	6.7E-01	3.5E-11	4.2E+00	7.7E-07	6.1E-04	2.0E-09	4.7E-02	6.7E-01	6.2E-11

Franklin School Project

Risk From Modernization Const - Mitigated School

	Haul Route 1A							Haul Route 2A						
Receptor #	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
850	7.4E+00	2.4E-07	6.1E-04	1.1E-09	4.7E-02	6.7E-01	3.4E-11	4.2E+00	7.7E-07	6.1E-04	2.0E-09	4.7E-02	6.7E-01	6.2E-11
851	7.2E+00	2.4E-07	6.1E-04	1.1E-09	4.7E-02	6.7E-01	3.4E-11	3.9E+00	7.7E-07	6.1E-04	1.8E-09	4.7E-02	6.7E-01	5.8E-11
852	7.1E+00	2.4E-07	6.1E-04	1.0E-09	4.7E-02	6.7E-01	3.3E-11	4.0E+00	7.7E-07	6.1E-04	1.9E-09	4.7E-02	6.7E-01	5.9E-11
853	6.9E+00	2.4E-07	6.1E-04	1.0E-09	4.7E-02	6.7E-01	3.2E-11	4.1E+00	7.7E-07	6.1E-04	1.9E-09	4.7E-02	6.7E-01	6.0E-11
854	6.6E+00	2.4E-07	6.1E-04	9.8E-10	4.7E-02	6.7E-01	3.1E-11	4.1E+00	7.7E-07	6.1E-04	1.9E-09	4.7E-02	6.7E-01	6.0E-11
855	6.3E+00	2.4E-07	6.1E-04	9.3E-10	4.7E-02	6.7E-01	2.9E-11	4.1E+00	7.7E-07	6.1E-04	1.9E-09	4.7E-02	6.7E-01	6.0E-11
856	6.2E+00	2.4E-07	6.1E-04	9.2E-10	4.7E-02	6.7E-01	2.9E-11	3.5E+00	7.7E-07	6.1E-04	1.6E-09	4.7E-02	6.7E-01	5.2E-11
857	6.1E+00	2.4E-07	6.1E-04	9.1E-10	4.7E-02	6.7E-01	2.9E-11	3.6E+00	7.7E-07	6.1E-04	1.7E-09	4.7E-02	6.7E-01	5.3E-11
858	6.0E+00	2.4E-07	6.1E-04	8.9E-10	4.7E-02	6.7E-01	2.8E-11	3.6E+00	7.7E-07	6.1E-04	1.7E-09	4.7E-02	6.7E-01	5.4E-11
859	5.8E+00	2.4E-07	6.1E-04	8.6E-10	4.7E-02	6.7E-01	2.7E-11	3.7E+00	7.7E-07	6.1E-04	1.7E-09	4.7E-02	6.7E-01	5.4E-11
860	5.6E+00	2.4E-07	6.1E-04	8.3E-10	4.7E-02	6.7E-01	2.6E-11	3.7E+00	7.7E-07	6.1E-04	1.7E-09	4.7E-02	6.7E-01	5.4E-11
861	5.4E+00	2.4E-07	6.1E-04	8.0E-10	4.7E-02	6.7E-01	2.5E-11	3.2E+00	7.7E-07	6.1E-04	1.5E-09	4.7E-02	6.7E-01	4.7E-11
862	5.3E+00	2.4E-07	6.1E-04	7.9E-10	4.7E-02	6.7E-01	2.5E-11	3.2E+00	7.7E-07	6.1E-04	1.5E-09	4.7E-02	6.7E-01	4.8E-11
863	5.3E+00	2.4E-07	6.1E-04	7.8E-10	4.7E-02	6.7E-01	2.5E-11	3.3E+00	7.7E-07	6.1E-04	1.5E-09	4.7E-02	6.7E-01	4.8E-11
864	5.1E+00	2.4E-07	6.1E-04	7.6E-10	4.7E-02	6.7E-01	2.4E-11	3.3E+00	7.7E-07	6.1E-04	1.5E-09	4.7E-02	6.7E-01	4.9E-11
865	5.0E+00	2.4E-07	6.1E-04	7.4E-10	4.7E-02	6.7E-01	2.3E-11	3.3E+00	7.7E-07	6.1E-04	1.5E-09	4.7E-02	6.7E-01	4.9E-11
866	4.6E+01	2.4E-07	6.1E-04	6.7E-09	4.7E-02	6.7E-01	2.1E-10	1.9E+01	7.7E-07	6.1E-04	8.9E-09	4.7E-02	6.7E-01	2.8E-10
867	3.7E+01	2.4E-07	6.1E-04	5.5E-09	4.7E-02	6.7E-01	1.7E-10	1.5E+01	7.7E-07	6.1E-04	7.1E-09	4.7E-02	6.7E-01	2.2E-10
868	2.9E+01	2.4E-07	6.1E-04	4.2E-09	4.7E-02	6.7E-01	1.3E-10	1.5E+01	7.7E-07	6.1E-04	6.8E-09	4.7E-02	6.7E-01	2.2E-10
869	2.3E+01	2.4E-07	6.1E-04	3.4E-09	4.7E-02	6.7E-01	1.1E-10	1.4E+01	7.7E-07	6.1E-04	6.5E-09	4.7E-02	6.7E-01	2.0E-10
870	2.9E+01	2.4E-07	6.1E-04	4.3E-09	4.7E-02	6.7E-01	1.4E-10	1.2E+01	7.7E-07	6.1E-04	5.7E-09	4.7E-02	6.7E-01	1.8E-10
871	2.4E+01	2.4E-07	6.1E-04	3.5E-09	4.7E-02	6.7E-01	1.1E-10	1.2E+01	7.7E-07	6.1E-04	5.6E-09	4.7E-02	6.7E-01	1.8E-10
872	2.0E+01	2.4E-07	6.1E-04	2.9E-09	4.7E-02	6.7E-01	9.2E-11	1.1E+01	7.7E-07	6.1E-04	5.3E-09	4.7E-02	6.7E-01	1.7E-10

Franklin School Project

Risk From Modernization Const - Mitigated School

	Haul Route 1A							Haul Route 2A						
Receptor #	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
807	3.6E+00	1.6E-06	6.1E-04	3.5E-09	4.7E-02	6.7E-01	1.1E-10	8.5E-01	1.7E-07	6.1E-04	8.8E-11	4.7E-02	6.7E-01	2.8E-12
808	3.5E+00	1.6E-06	6.1E-04	3.4E-09	4.7E-02	6.7E-01	1.1E-10	8.3E-01	1.7E-07	6.1E-04	8.6E-11	4.7E-02	6.7E-01	2.7E-12
809	3.3E+00	1.6E-06	6.1E-04	3.1E-09	4.7E-02	6.7E-01	9.9E-11	8.2E-01	1.7E-07	6.1E-04	8.4E-11	4.7E-02	6.7E-01	2.7E-12
810	3.2E+00	1.6E-06	6.1E-04	3.1E-09	4.7E-02	6.7E-01	9.6E-11	8.0E-01	1.7E-07	6.1E-04	8.2E-11	4.7E-02	6.7E-01	2.6E-12
811	2.9E+00	1.6E-06	6.1E-04	2.8E-09	4.7E-02	6.7E-01	8.9E-11	7.8E-01	1.7E-07	6.1E-04	8.1E-11	4.7E-02	6.7E-01	2.5E-12
812	2.9E+00	1.6E-06	6.1E-04	2.8E-09	4.7E-02	6.7E-01	8.7E-11	7.7E-01	1.7E-07	6.1E-04	7.9E-11	4.7E-02	6.7E-01	2.5E-12
813	2.7E+00	1.6E-06	6.1E-04	2.6E-09	4.7E-02	6.7E-01	8.1E-11	7.5E-01	1.7E-07	6.1E-04	7.8E-11	4.7E-02	6.7E-01	2.4E-12
814	2.6E+00	1.6E-06	6.1E-04	2.5E-09	4.7E-02	6.7E-01	7.9E-11	7.4E-01	1.7E-07	6.1E-04	7.6E-11	4.7E-02	6.7E-01	2.4E-12
815	2.4E+00	1.6E-06	6.1E-04	2.3E-09	4.7E-02	6.7E-01	7.3E-11	7.2E-01	1.7E-07	6.1E-04	7.5E-11	4.7E-02	6.7E-01	2.4E-12
816	2.4E+00	1.6E-06	6.1E-04	2.3E-09	4.7E-02	6.7E-01	7.3E-11	7.1E-01	1.7E-07	6.1E-04	7.3E-11	4.7E-02	6.7E-01	2.3E-12
817	2.2E+00	1.6E-06	6.1E-04	2.1E-09	4.7E-02	6.7E-01	6.7E-11	7.0E-01	1.7E-07	6.1E-04	7.2E-11	4.7E-02	6.7E-01	2.3E-12
818	2.2E+00	1.6E-06	6.1E-04	2.1E-09	4.7E-02	6.7E-01	6.6E-11	6.8E-01	1.7E-07	6.1E-04	7.1E-11	4.7E-02	6.7E-01	2.2E-12
819	2.0E+00	1.6E-06	6.1E-04	2.0E-09	4.7E-02	6.7E-01	6.2E-11	6.7E-01	1.7E-07	6.1E-04	6.9E-11	4.7E-02	6.7E-01	2.2E-12
820	2.0E+00	1.6E-06	6.1E-04	1.9E-09	4.7E-02	6.7E-01	6.1E-11	6.6E-01	1.7E-07	6.1E-04	6.8E-11	4.7E-02	6.7E-01	2.1E-12
821	5.7E+00	1.6E-06	6.1E-04	5.4E-09	4.7E-02	6.7E-01	1.7E-10	1.0E+00	1.7E-07	6.1E-04	1.1E-10	4.7E-02	6.7E-01	3.3E-12
822	5.6E+00	1.6E-06	6.1E-04	5.3E-09	4.7E-02	6.7E-01	1.7E-10	1.0E+00	1.7E-07	6.1E-04	1.0E-10	4.7E-02	6.7E-01	3.3E-12
823	5.4E+00	1.6E-06	6.1E-04	5.2E-09	4.7E-02	6.7E-01	1.6E-10	9.8E-01	1.7E-07	6.1E-04	1.0E-10	4.7E-02	6.7E-01	3.2E-12
824	4.8E+00	1.6E-06	6.1E-04	4.6E-09	4.7E-02	6.7E-01	1.5E-10	9.8E-01	1.7E-07	6.1E-04	1.0E-10	4.7E-02	6.7E-01	3.2E-12
825	4.8E+00	1.6E-06	6.1E-04	4.6E-09	4.7E-02	6.7E-01	1.4E-10	9.6E-01	1.7E-07	6.1E-04	9.9E-11	4.7E-02	6.7E-01	3.1E-12
826	4.7E+00	1.6E-06	6.1E-04	4.5E-09	4.7E-02	6.7E-01	1.4E-10	9.4E-01	1.7E-07	6.1E-04	9.7E-11	4.7E-02	6.7E-01	3.1E-12
827	4.2E+00	1.6E-06	6.1E-04	4.0E-09	4.7E-02	6.7E-01	1.3E-10	9.4E-01	1.7E-07	6.1E-04	9.7E-11	4.7E-02	6.7E-01	3.0E-12
828	4.2E+00	1.6E-06	6.1E-04	4.0E-09	4.7E-02	6.7E-01	1.3E-10	9.2E-01	1.7E-07	6.1E-04	9.5E-11	4.7E-02	6.7E-01	3.0E-12
829	4.1E+00	1.6E-06	6.1E-04	3.9E-09	4.7E-02	6.7E-01	1.2E-10	9.0E-01	1.7E-07	6.1E-04	9.3E-11	4.7E-02	6.7E-01	2.9E-12
830	3.7E+00	1.6E-06	6.1E-04	3.5E-09	4.7E-02	6.7E-01	1.1E-10	9.0E-01	1.7E-07	6.1E-04	9.2E-11	4.7E-02	6.7E-01	2.9E-12
831	3.7E+00	1.6E-06	6.1E-04	3.5E-09	4.7E-02	6.7E-01	1.1E-10	8.8E-01	1.7E-07	6.1E-04	9.1E-11	4.7E-02	6.7E-01	2.9E-12
832	3.6E+00	1.6E-06	6.1E-04	3.5E-09	4.7E-02	6.7E-01	1.1E-10	8.6E-01	1.7E-07	6.1E-04	8.9E-11	4.7E-02	6.7E-01	2.8E-12
833	3.2E+00	1.6E-06	6.1E-04	3.1E-09	4.7E-02	6.7E-01	9.8E-11	8.6E-01	1.7E-07	6.1E-04	8.8E-11	4.7E-02	6.7E-01	2.8E-12
834	3.3E+00	1.6E-06	6.1E-04	3.1E-09	4.7E-02	6.7E-01	9.9E-11	8.4E-01	1.7E-07	6.1E-04	8.7E-11	4.7E-02	6.7E-01	2.7E-12
835	3.2E+00	1.6E-06	6.1E-04	3.1E-09	4.7E-02	6.7E-01	9.8E-11	8.3E-01	1.7E-07	6.1E-04	8.5E-11	4.7E-02	6.7E-01	2.7E-12
836	3.0E+00	1.6E-06	6.1E-04	2.8E-09	4.7E-02	6.7E-01	9.0E-11	8.3E-01	1.7E-07	6.1E-04	8.6E-11	4.7E-02	6.7E-01	2.7E-12
837	3.0E+00	1.6E-06	6.1E-04	2.9E-09	4.7E-02	6.7E-01	9.0E-11	8.1E-01	1.7E-07	6.1E-04	8.4E-11	4.7E-02	6.7E-01	2.6E-12
838	3.0E+00	1.6E-06	6.1E-04	2.9E-09	4.7E-02	6.7E-01	9.0E-11	8.0E-01	1.7E-07	6.1E-04	8.3E-11	4.7E-02	6.7E-01	2.6E-12
839	2.7E+00	1.6E-06	6.1E-04	2.6E-09	4.7E-02	6.7E-01	8.1E-11	7.9E-01	1.7E-07	6.1E-04	8.2E-11	4.7E-02	6.7E-01	2.6E-12
840	2.7E+00	1.6E-06	6.1E-04	2.6E-09	4.7E-02	6.7E-01	8.1E-11	7.8E-01	1.7E-07	6.1E-04	8.1E-11	4.7E-02	6.7E-01	2.5E-12
841	2.7E+00	1.6E-06	6.1E-04	2.6E-09	4.7E-02	6.7E-01	8.1E-11	7.7E-01	1.7E-07	6.1E-04	7.9E-11	4.7E-02	6.7E-01	2.5E-12
842	2.4E+00	1.6E-06	6.1E-04	2.3E-09	4.7E-02	6.7E-01	7.3E-11	7.6E-01	1.7E-07	6.1E-04	7.9E-11	4.7E-02	6.7E-01	2.5E-12
843	2.4E+00	1.6E-06	6.1E-04	2.3E-09	4.7E-02	6.7E-01	7.4E-11	7.5E-01	1.7E-07	6.1E-04	7.7E-11	4.7E-02	6.7E-01	2.4E-12
844	2.4E+00	1.6E-06	6.1E-04	2.3E-09	4.7E-02	6.7E-01	7.4E-11	7.4E-01	1.7E-07	6.1E-04	7.6E-11	4.7E-02	6.7E-01	2.4E-12
845	2.2E+00	1.6E-06	6.1E-04	2.1E-09	4.7E-02	6.7E-01	6.7E-11	7.3E-01	1.7E-07	6.1E-04	7.6E-11	4.7E-02	6.7E-01	2.4E-12
846	2.2E+00	1.6E-06	6.1E-04	2.1E-09	4.7E-02	6.7E-01	6.7E-11	7.2E-01	1.7E-07	6.1E-04	7.4E-11	4.7E-02	6.7E-01	2.3E-12
847	2.2E+00	1.6E-06	6.1E-04	2.1E-09	4.7E-02	6.7E-01	6.7E-11	7.1E-01	1.7E-07	6.1E-04	7.3E-11	4.7E-02	6.7E-01	2.3E-12
848	2.0E+00	1.6E-06	6.1E-04	1.9E-09	4.7E-02	6.7E-01	6.1E-11	7.0E-01	1.7E-07	6.1E-04	7.3E-11	4.7E-02	6.7E-01	2.3E-12
849	2.0E+00	1.6E-06	6.1E-04	1.9E-09	4.7E-02	6.7E-01	6.1E-11	6.9E-01	1.7E-07	6.1E-04	7.2E-11	4.7E-02	6.7E-01	2.3E-12

Franklin School Project
Risk From Modernization Const - Mitigated School

	Haul Route 1A							Haul Route 2A						
Receptor #	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
850	2.0E+00	1.6E-06	6.1E-04	2.0E-09	4.7E-02	6.7E-01	6.2E-11	6.8E-01	1.7E-07	6.1E-04	7.0E-11	4.7E-02	6.7E-01	2.2E-12
851	1.9E+00	1.6E-06	6.1E-04	1.9E-09	4.7E-02	6.7E-01	5.9E-11	6.9E-01	1.7E-07	6.1E-04	7.1E-11	4.7E-02	6.7E-01	2.2E-12
852	2.0E+00	1.6E-06	6.1E-04	1.9E-09	4.7E-02	6.7E-01	5.9E-11	6.8E-01	1.7E-07	6.1E-04	7.0E-11	4.7E-02	6.7E-01	2.2E-12
853	2.0E+00	1.6E-06	6.1E-04	1.9E-09	4.7E-02	6.7E-01	6.0E-11	6.7E-01	1.7E-07	6.1E-04	6.9E-11	4.7E-02	6.7E-01	2.2E-12
854	2.0E+00	1.6E-06	6.1E-04	1.9E-09	4.7E-02	6.7E-01	5.9E-11	6.6E-01	1.7E-07	6.1E-04	6.8E-11	4.7E-02	6.7E-01	2.1E-12
855	2.0E+00	1.6E-06	6.1E-04	1.9E-09	4.7E-02	6.7E-01	5.9E-11	6.5E-01	1.7E-07	6.1E-04	6.7E-11	4.7E-02	6.7E-01	2.1E-12
856	1.8E+00	1.6E-06	6.1E-04	1.7E-09	4.7E-02	6.7E-01	5.4E-11	6.6E-01	1.7E-07	6.1E-04	6.9E-11	4.7E-02	6.7E-01	2.2E-12
857	1.8E+00	1.6E-06	6.1E-04	1.7E-09	4.7E-02	6.7E-01	5.5E-11	6.5E-01	1.7E-07	6.1E-04	6.8E-11	4.7E-02	6.7E-01	2.1E-12
858	1.8E+00	1.6E-06	6.1E-04	1.7E-09	4.7E-02	6.7E-01	5.5E-11	6.5E-01	1.7E-07	6.1E-04	6.7E-11	4.7E-02	6.7E-01	2.1E-12
859	1.8E+00	1.6E-06	6.1E-04	1.7E-09	4.7E-02	6.7E-01	5.5E-11	6.4E-01	1.7E-07	6.1E-04	6.6E-11	4.7E-02	6.7E-01	2.1E-12
860	1.8E+00	1.6E-06	6.1E-04	1.7E-09	4.7E-02	6.7E-01	5.5E-11	6.2E-01	1.7E-07	6.1E-04	6.4E-11	4.7E-02	6.7E-01	2.0E-12
861	1.7E+00	1.6E-06	6.1E-04	1.6E-09	4.7E-02	6.7E-01	5.0E-11	6.4E-01	1.7E-07	6.1E-04	6.6E-11	4.7E-02	6.7E-01	2.1E-12
862	1.7E+00	1.6E-06	6.1E-04	1.6E-09	4.7E-02	6.7E-01	5.1E-11	6.3E-01	1.7E-07	6.1E-04	6.5E-11	4.7E-02	6.7E-01	2.1E-12
863	1.7E+00	1.6E-06	6.1E-04	1.6E-09	4.7E-02	6.7E-01	5.1E-11	6.2E-01	1.7E-07	6.1E-04	6.4E-11	4.7E-02	6.7E-01	2.0E-12
864	1.7E+00	1.6E-06	6.1E-04	1.6E-09	4.7E-02	6.7E-01	5.1E-11	6.1E-01	1.7E-07	6.1E-04	6.3E-11	4.7E-02	6.7E-01	2.0E-12
865	1.7E+00	1.6E-06	6.1E-04	1.6E-09	4.7E-02	6.7E-01	5.1E-11	6.0E-01	1.7E-07	6.1E-04	6.2E-11	4.7E-02	6.7E-01	2.0E-12
866	5.5E+00	1.6E-06	6.1E-04	5.3E-09	4.7E-02	6.7E-01	1.7E-10	9.9E-01	1.7E-07	6.1E-04	1.0E-10	4.7E-02	6.7E-01	3.2E-12
867	4.8E+00	1.6E-06	6.1E-04	4.6E-09	4.7E-02	6.7E-01	1.4E-10	9.4E-01	1.7E-07	6.1E-04	9.7E-11	4.7E-02	6.7E-01	3.1E-12
868	4.6E+00	1.6E-06	6.1E-04	4.4E-09	4.7E-02	6.7E-01	1.4E-10	9.2E-01	1.7E-07	6.1E-04	9.5E-11	4.7E-02	6.7E-01	3.0E-12
869	4.4E+00	1.6E-06	6.1E-04	4.2E-09	4.7E-02	6.7E-01	1.3E-10	9.0E-01	1.7E-07	6.1E-04	9.3E-11	4.7E-02	6.7E-01	2.9E-12
870	4.2E+00	1.6E-06	6.1E-04	4.0E-09	4.7E-02	6.7E-01	1.3E-10	9.0E-01	1.7E-07	6.1E-04	9.3E-11	4.7E-02	6.7E-01	2.9E-12
871	4.1E+00	1.6E-06	6.1E-04	3.9E-09	4.7E-02	6.7E-01	1.2E-10	8.8E-01	1.7E-07	6.1E-04	9.1E-11	4.7E-02	6.7E-01	2.9E-12
872	3.9E+00	1.6E-06	6.1E-04	3.8E-09	4.7E-02	6.7E-01	1.2E-10	8.6E-01	1.7E-07	6.1E-04	8.9E-11	4.7E-02	6.7E-01	2.8E-12

Risk From Modernization AC - Mitigated School

Franklin School Project

Risk From Modernization AC - Mitigated School

0.11	Max

Onsite

Receptor #	Total/ Million	Total	Conc	g/sec	D1	Dose	R1	ED	Risk
807	0.09	8.8E-08	7.5E+01	1.5E-04	6.1E-04	6.8E-06	4.7E-02	2.7E-01	8.8E-08
808	0.06	6.5E-08	5.5E+01	1.5E-04	6.1E-04	5.0E-06	4.7E-02	2.7E-01	6.5E-08
809	0.09	9.2E-08	7.8E+01	1.5E-04	6.1E-04	7.1E-06	4.7E-02	2.7E-01	9.2E-08
810	0.07	6.8E-08	5.8E+01	1.5E-04	6.1E-04	5.3E-06	4.7E-02	2.7E-01	6.8E-08
811	0.09	9.4E-08	8.0E+01	1.5E-04	6.1E-04	7.3E-06	4.7E-02	2.7E-01	9.4E-08
812	0.07	7.0E-08	6.0E+01	1.5E-04	6.1E-04	5.4E-06	4.7E-02	2.7E-01	7.0E-08
813	0.10	9.7E-08	8.2E+01	1.5E-04	6.1E-04	7.5E-06	4.7E-02	2.7E-01	9.7E-08
814	0.07	7.3E-08	6.2E+01	1.5E-04	6.1E-04	5.6E-06	4.7E-02	2.7E-01	7.3E-08
815	0.10	1.0E-07	8.5E+01	1.5E-04	6.1E-04	7.7E-06	4.7E-02	2.7E-01	1.0E-07
816	0.08	7.6E-08	6.5E+01	1.5E-04	6.1E-04	5.9E-06	4.7E-02	2.7E-01	7.6E-08
817	0.11	1.1E-07	9.0E+01	1.5E-04	6.1E-04	8.2E-06	4.7E-02	2.7E-01	1.1E-07
818	0.08	8.2E-08	7.0E+01	1.5E-04	6.1E-04	6.4E-06	4.7E-02	2.7E-01	8.2E-08
819	0.11	1.1E-07	9.1E+01	1.5E-04	6.1E-04	8.2E-06	4.7E-02	2.7E-01	1.1E-07
820	0.08	7.9E-08	6.7E+01	1.5E-04	6.1E-04	6.1E-06	4.7E-02	2.7E-01	7.9E-08
821	0.04	3.9E-08	3.3E+01	1.5E-04	6.1E-04	3.0E-06	4.7E-02	2.7E-01	3.9E-08
822	0.04	3.5E-08	3.0E+01	1.5E-04	6.1E-04	2.7E-06	4.7E-02	2.7E-01	3.5E-08
823	0.05	4.9E-08	4.2E+01	1.5E-04	6.1E-04	3.8E-06	4.7E-02	2.7E-01	4.9E-08
824	0.04	4.5E-08	3.8E+01	1.5E-04	6.1E-04	3.5E-06	4.7E-02	2.7E-01	4.5E-08
825	0.03	3.1E-08	2.7E+01	1.5E-04	6.1E-04	2.4E-06	4.7E-02	2.7E-01	3.1E-08
826	0.06	5.7E-08	4.9E+01	1.5E-04	6.1E-04	4.4E-06	4.7E-02	2.7E-01	5.7E-08
827	0.07	6.9E-08	5.9E+01	1.5E-04	6.1E-04	5.3E-06	4.7E-02	2.7E-01	6.9E-08
828	0.06	6.2E-08	5.3E+01	1.5E-04	6.1E-04	4.8E-06	4.7E-02	2.7E-01	6.2E-08
829	0.08	8.3E-08	7.1E+01	1.5E-04	6.1E-04	6.4E-06	4.7E-02	2.7E-01	8.3E-08
830	0.07	7.2E-08	6.2E+01	1.5E-04	6.1E-04	5.6E-06	4.7E-02	2.7E-01	7.2E-08
831	0.06	6.4E-08	5.5E+01	1.5E-04	6.1E-04	5.0E-06	4.7E-02	2.7E-01	6.4E-08
832	0.09	8.6E-08	7.4E+01	1.5E-04	6.1E-04	6.7E-06	4.7E-02	2.7E-01	8.6E-08
833	0.07	7.5E-08	6.4E+01	1.5E-04	6.1E-04	5.8E-06	4.7E-02	2.7E-01	7.5E-08
834	0.07	6.6E-08	5.6E+01	1.5E-04	6.1E-04	5.1E-06	4.7E-02	2.7E-01	6.6E-08
835	0.09	8.8E-08	7.5E+01	1.5E-04	6.1E-04	6.8E-06	4.7E-02	2.7E-01	8.8E-08
836	0.08	7.7E-08	6.5E+01	1.5E-04	6.1E-04	6.0E-06	4.7E-02	2.7E-01	7.7E-08
837	0.07	6.8E-08	5.8E+01	1.5E-04	6.1E-04	5.3E-06	4.7E-02	2.7E-01	6.8E-08
838	0.09	9.1E-08	7.7E+01	1.5E-04	6.1E-04	7.0E-06	4.7E-02	2.7E-01	9.1E-08
839	0.08	7.9E-08	6.8E+01	1.5E-04	6.1E-04	6.1E-06	4.7E-02	2.7E-01	7.9E-08
840	0.07	7.2E-08	6.2E+01	1.5E-04	6.1E-04	5.6E-06	4.7E-02	2.7E-01	7.2E-08
841	0.09	9.4E-08	8.0E+01	1.5E-04	6.1E-04	7.3E-06	4.7E-02	2.7E-01	9.4E-08
842	0.08	7.9E-08	6.7E+01	1.5E-04	6.1E-04	6.1E-06	4.7E-02	2.7E-01	7.9E-08
843	0.07	7.4E-08	6.3E+01	1.5E-04	6.1E-04	5.7E-06	4.7E-02	2.7E-01	7.4E-08
844	0.10	9.7E-08	8.2E+01	1.5E-04	6.1E-04	7.5E-06	4.7E-02	2.7E-01	9.7E-08
845	0.08	7.7E-08	6.5E+01	1.5E-04	6.1E-04	5.9E-06	4.7E-02	2.7E-01	7.7E-08

846	0.07	7.2E-08	6.1E+01	1.5E-04	6.1E-04	5.6E-06	4.7E-02	2.7E-01	7.2E-08
847	0.10	9.8E-08	8.3E+01	1.5E-04	6.1E-04	7.6E-06	4.7E-02	2.7E-01	9.8E-08
848	0.07	7.4E-08	6.3E+01	1.5E-04	6.1E-04	5.7E-06	4.7E-02	2.7E-01	7.4E-08
849	0.07	7.1E-08	6.0E+01	1.5E-04	6.1E-04	5.5E-06	4.7E-02	2.7E-01	7.1E-08
850	0.09	8.9E-08	7.6E+01	1.5E-04	6.1E-04	6.9E-06	4.7E-02	2.7E-01	8.9E-08
851	0.07	7.1E-08	6.0E+01	1.5E-04	6.1E-04	5.5E-06	4.7E-02	2.7E-01	7.1E-08
852	0.08	7.8E-08	6.7E+01	1.5E-04	6.1E-04	6.1E-06	4.7E-02	2.7E-01	7.8E-08
853	0.09	8.9E-08	7.6E+01	1.5E-04	6.1E-04	6.9E-06	4.7E-02	2.7E-01	8.9E-08
854	0.09	8.7E-08	7.4E+01	1.5E-04	6.1E-04	6.7E-06	4.7E-02	2.7E-01	8.7E-08
855	0.08	7.7E-08	6.5E+01	1.5E-04	6.1E-04	5.9E-06	4.7E-02	2.7E-01	7.7E-08
856	0.06	5.8E-08	5.0E+01	1.5E-04	6.1E-04	4.5E-06	4.7E-02	2.7E-01	5.8E-08
857	0.05	5.3E-08	4.5E+01	1.5E-04	6.1E-04	4.1E-06	4.7E-02	2.7E-01	5.3E-08
858	0.06	5.7E-08	4.8E+01	1.5E-04	6.1E-04	4.4E-06	4.7E-02	2.7E-01	5.7E-08
859	0.06	5.5E-08	4.7E+01	1.5E-04	6.1E-04	4.3E-06	4.7E-02	2.7E-01	5.5E-08
860	0.06	6.0E-08	5.1E+01	1.5E-04	6.1E-04	4.6E-06	4.7E-02	2.7E-01	6.0E-08
861	0.05	5.1E-08	4.4E+01	1.5E-04	6.1E-04	4.0E-06	4.7E-02	2.7E-01	5.1E-08
862	0.07	6.8E-08	5.8E+01	1.5E-04	6.1E-04	5.2E-06	4.7E-02	2.7E-01	6.8E-08
863	0.06	6.0E-08	5.1E+01	1.5E-04	6.1E-04	4.7E-06	4.7E-02	2.7E-01	6.0E-08
864	0.06	6.5E-08	5.5E+01	1.5E-04	6.1E-04	5.0E-06	4.7E-02	2.7E-01	6.5E-08
865	0.06	6.0E-08	5.1E+01	1.5E-04	6.1E-04	4.6E-06	4.7E-02	2.7E-01	6.0E-08
866	0.04	4.4E-08	3.8E+01	1.5E-04	6.1E-04	3.4E-06	4.7E-02	2.7E-01	4.4E-08
867	0.08	7.9E-08	6.7E+01	1.5E-04	6.1E-04	6.1E-06	4.7E-02	2.7E-01	7.9E-08
868	0.07	7.2E-08	6.1E+01	1.5E-04	6.1E-04	5.5E-06	4.7E-02	2.7E-01	7.2E-08
869	0.05	5.3E-08	4.5E+01	1.5E-04	6.1E-04	4.1E-06	4.7E-02	2.7E-01	5.3E-08
870	0.08	7.6E-08	6.5E+01	1.5E-04	6.1E-04	5.9E-06	4.7E-02	2.7E-01	7.6E-08
871	0.08	8.0E-08	6.8E+01	1.5E-04	6.1E-04	6.2E-06	4.7E-02	2.7E-01	8.0E-08
872	0.06	5.9E-08	5.0E+01	1.5E-04	6.1E-04	4.6E-06	4.7E-02	2.7E-01	5.9E-08

Risk From Portable Set-up - Mitigated School

Franklin School Project

Risk From Portable Set-up - Mitigated School

0.00	Max

Receptor #	Total/ Million	Total	Conc	g/sec	D1	Dose	R1	ED	Risk
						Onsite			
807	0.00	2.0E-11		0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
808	0.00	1.9E-11		0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
809	0.00	1.7E-11		0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
810	0.00	1.7E-11		0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
811	0.00	1.5E-11		0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
812	0.00	1.4E-11		0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
813	0.00	1.3E-11		0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
814	0.00	1.2E-11		0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
815	0.00	1.1E-11		0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
816	0.00	1.1E-11		0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
817	0.00	9.7E-12		0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
818	0.00	9.7E-12		0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
819	0.00	8.7E-12		0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
820	0.00	8.6E-12		0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
821	0.00	3.6E-11		0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
822	0.00	3.9E-11		0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
823	0.00	3.7E-11		0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
824	0.00	2.8E-11		0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
825	0.00	3.0E-11		0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
826	0.00	2.9E-11		0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
827	0.00	2.5E-11		0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
828	0.00	2.4E-11		0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
829	0.00	2.4E-11		0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
830	0.00	1.9E-11		0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
831	0.00	1.9E-11		0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
832	0.00	2.0E-11		0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
833	0.00	1.6E-11		0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
834	0.00	1.6E-11		0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
835	0.00	1.7E-11		0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
836	0.00	1.4E-11		0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
837	0.00	1.4E-11		0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
838	0.00	1.5E-11		0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
839	0.00	1.2E-11		0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
840	0.00	1.2E-11		0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
841	0.00	1.3E-11		0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
842	0.00	1.1E-11		0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
843	0.00	1.1E-11		0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
844	0.00	1.1E-11		0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
845	0.00	9.3E-12		0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00

846	0.00	9.5E-12	0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
847	0.00	9.7E-12	0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
848	0.00	8.3E-12	0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
849	0.00	8.5E-12	0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
850	0.00	8.6E-12	0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
851	0.00	8.0E-12	0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
852	0.00	8.1E-12	0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
853	0.00	8.2E-12	0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
854	0.00	8.3E-12	0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
855	0.00	8.3E-12	0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
856	0.00	7.1E-12	0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
857	0.00	7.3E-12	0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
858	0.00	7.4E-12	0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
859	0.00	7.4E-12	0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
860	0.00	7.4E-12	0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
861	0.00	6.4E-12	0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
862	0.00	6.6E-12	0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
863	0.00	6.7E-12	0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
864	0.00	6.7E-12	0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
865	0.00	6.7E-12	0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
866	0.00	3.8E-11	0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
867	0.00	3.0E-11	0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
868	0.00	2.9E-11	0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
869	0.00	2.8E-11	0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
870	0.00	2.5E-11	0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
871	0.00	2.4E-11	0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00
872	0.00	2.3E-11	0.0E+00	6.1E-04	0.0E+00	4.7E-02	3.8E-02	0.0E+00

Franklin School Project

Risk From Portable Set-up - Mitigated School

Haul Route 1A							Haul Route 2A						
Conc	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
2.0E+01	1.9E-07	6.1E-04	2.3E-09	4.7E-02	3.8E-02	4.1E-12	9.9E+00	6.0E-07	6.1E-04	3.6E-09	4.7E-02	3.8E-02	6.5E-12
1.7E+01	1.9E-07	6.1E-04	1.9E-09	4.7E-02	3.8E-02	3.5E-12	9.6E+00	6.0E-07	6.1E-04	3.5E-09	4.7E-02	3.8E-02	6.3E-12
1.6E+01	1.9E-07	6.1E-04	1.9E-09	4.7E-02	3.8E-02	3.4E-12	8.4E+00	6.0E-07	6.1E-04	3.0E-09	4.7E-02	3.8E-02	5.5E-12
1.4E+01	1.9E-07	6.1E-04	1.6E-09	4.7E-02	3.8E-02	3.0E-12	8.2E+00	6.0E-07	6.1E-04	3.0E-09	4.7E-02	3.8E-02	5.4E-12
1.3E+01	1.9E-07	6.1E-04	1.5E-09	4.7E-02	3.8E-02	2.8E-12	7.2E+00	6.0E-07	6.1E-04	2.6E-09	4.7E-02	3.8E-02	4.7E-12
1.2E+01	1.9E-07	6.1E-04	1.4E-09	4.7E-02	3.8E-02	2.5E-12	7.1E+00	6.0E-07	6.1E-04	2.6E-09	4.7E-02	3.8E-02	4.6E-12
1.1E+01	1.9E-07	6.1E-04	1.3E-09	4.7E-02	3.8E-02	2.3E-12	6.2E+00	6.0E-07	6.1E-04	2.3E-09	4.7E-02	3.8E-02	4.1E-12
1.0E+01	1.9E-07	6.1E-04	1.2E-09	4.7E-02	3.8E-02	2.1E-12	6.2E+00	6.0E-07	6.1E-04	2.2E-09	4.7E-02	3.8E-02	4.0E-12
9.5E+00	1.9E-07	6.1E-04	1.1E-09	4.7E-02	3.8E-02	2.0E-12	5.4E+00	6.0E-07	6.1E-04	2.0E-09	4.7E-02	3.8E-02	3.6E-12
8.8E+00	1.9E-07	6.1E-04	1.0E-09	4.7E-02	3.8E-02	1.8E-12	5.4E+00	6.0E-07	6.1E-04	2.0E-09	4.7E-02	3.8E-02	3.6E-12
8.2E+00	1.9E-07	6.1E-04	9.4E-10	4.7E-02	3.8E-02	1.7E-12	4.8E+00	6.0E-07	6.1E-04	1.7E-09	4.7E-02	3.8E-02	3.2E-12
7.7E+00	1.9E-07	6.1E-04	8.8E-10	4.7E-02	3.8E-02	1.6E-12	4.8E+00	6.0E-07	6.1E-04	1.7E-09	4.7E-02	3.8E-02	3.1E-12
7.1E+00	1.9E-07	6.1E-04	8.1E-10	4.7E-02	3.8E-02	1.5E-12	4.3E+00	6.0E-07	6.1E-04	1.6E-09	4.7E-02	3.8E-02	2.8E-12
6.7E+00	1.9E-07	6.1E-04	7.7E-10	4.7E-02	3.8E-02	1.4E-12	4.3E+00	6.0E-07	6.1E-04	1.5E-09	4.7E-02	3.8E-02	2.8E-12
3.2E+01	1.9E-07	6.1E-04	3.7E-09	4.7E-02	3.8E-02	6.7E-12	1.8E+01	6.0E-07	6.1E-04	6.5E-09	4.7E-02	3.8E-02	1.2E-11
6.9E+01	1.9E-07	6.1E-04	8.0E-09	4.7E-02	3.8E-02	1.4E-11	1.8E+01	6.0E-07	6.1E-04	6.7E-09	4.7E-02	3.8E-02	1.2E-11
4.7E+01	1.9E-07	6.1E-04	5.4E-09	4.7E-02	3.8E-02	9.7E-12	1.8E+01	6.0E-07	6.1E-04	6.6E-09	4.7E-02	3.8E-02	1.2E-11
2.2E+01	1.9E-07	6.1E-04	2.5E-09	4.7E-02	3.8E-02	4.5E-12	1.4E+01	6.0E-07	6.1E-04	5.1E-09	4.7E-02	3.8E-02	9.3E-12
5.0E+01	1.9E-07	6.1E-04	5.8E-09	4.7E-02	3.8E-02	1.0E-11	1.4E+01	6.0E-07	6.1E-04	5.3E-09	4.7E-02	3.8E-02	9.5E-12
3.7E+01	1.9E-07	6.1E-04	4.3E-09	4.7E-02	3.8E-02	7.7E-12	1.4E+01	6.0E-07	6.1E-04	5.3E-09	4.7E-02	3.8E-02	9.5E-12
4.4E+01	1.9E-07	6.1E-04	5.1E-09	4.7E-02	3.8E-02	9.3E-12	1.1E+01	6.0E-07	6.1E-04	4.1E-09	4.7E-02	3.8E-02	7.5E-12
3.6E+01	1.9E-07	6.1E-04	4.1E-09	4.7E-02	3.8E-02	7.4E-12	1.2E+01	6.0E-07	6.1E-04	4.3E-09	4.7E-02	3.8E-02	7.7E-12
2.9E+01	1.9E-07	6.1E-04	3.3E-09	4.7E-02	3.8E-02	6.0E-12	1.2E+01	6.0E-07	6.1E-04	4.3E-09	4.7E-02	3.8E-02	7.7E-12
3.0E+01	1.9E-07	6.1E-04	3.5E-09	4.7E-02	3.8E-02	6.2E-12	9.4E+00	6.0E-07	6.1E-04	3.4E-09	4.7E-02	3.8E-02	6.2E-12
2.6E+01	1.9E-07	6.1E-04	3.0E-09	4.7E-02	3.8E-02	5.4E-12	9.7E+00	6.0E-07	6.1E-04	3.5E-09	4.7E-02	3.8E-02	6.3E-12
2.2E+01	1.9E-07	6.1E-04	2.6E-09	4.7E-02	3.8E-02	4.6E-12	9.7E+00	6.0E-07	6.1E-04	3.5E-09	4.7E-02	3.8E-02	6.4E-12
2.2E+01	1.9E-07	6.1E-04	2.5E-09	4.7E-02	3.8E-02	4.5E-12	7.9E+00	6.0E-07	6.1E-04	2.9E-09	4.7E-02	3.8E-02	5.2E-12
2.0E+01	1.9E-07	6.1E-04	2.3E-09	4.7E-02	3.8E-02	4.1E-12	8.1E+00	6.0E-07	6.1E-04	2.9E-09	4.7E-02	3.8E-02	5.3E-12
1.8E+01	1.9E-07	6.1E-04	2.0E-09	4.7E-02	3.8E-02	3.7E-12	8.2E+00	6.0E-07	6.1E-04	3.0E-09	4.7E-02	3.8E-02	5.4E-12
1.7E+01	1.9E-07	6.1E-04	2.0E-09	4.7E-02	3.8E-02	3.6E-12	7.0E+00	6.0E-07	6.1E-04	2.5E-09	4.7E-02	3.8E-02	4.6E-12
1.6E+01	1.9E-07	6.1E-04	1.9E-09	4.7E-02	3.8E-02	3.4E-12	7.1E+00	6.0E-07	6.1E-04	2.6E-09	4.7E-02	3.8E-02	4.7E-12
1.5E+01	1.9E-07	6.1E-04	1.7E-09	4.7E-02	3.8E-02	3.1E-12	7.2E+00	6.0E-07	6.1E-04	2.6E-09	4.7E-02	3.8E-02	4.7E-12
1.4E+01	1.9E-07	6.1E-04	1.6E-09	4.7E-02	3.8E-02	2.8E-12	6.0E+00	6.0E-07	6.1E-04	2.2E-09	4.7E-02	3.8E-02	3.9E-12
1.3E+01	1.9E-07	6.1E-04	1.5E-09	4.7E-02	3.8E-02	2.7E-12	6.1E+00	6.0E-07	6.1E-04	2.2E-09	4.7E-02	3.8E-02	4.0E-12
1.2E+01	1.9E-07	6.1E-04	1.4E-09	4.7E-02	3.8E-02	2.5E-12	6.2E+00	6.0E-07	6.1E-04	2.3E-09	4.7E-02	3.8E-02	4.1E-12
1.1E+01	1.9E-07	6.1E-04	1.3E-09	4.7E-02	3.8E-02	2.3E-12	5.2E+00	6.0E-07	6.1E-04	1.9E-09	4.7E-02	3.8E-02	3.4E-12
1.1E+01	1.9E-07	6.1E-04	1.2E-09	4.7E-02	3.8E-02	2.2E-12	5.4E+00	6.0E-07	6.1E-04	1.9E-09	4.7E-02	3.8E-02	3.5E-12
1.0E+01	1.9E-07	6.1E-04	1.2E-09	4.7E-02	3.8E-02	2.1E-12	5.4E+00	6.0E-07	6.1E-04	2.0E-09	4.7E-02	3.8E-02	3.6E-12
9.1E+00	1.9E-07	6.1E-04	1.0E-09	4.7E-02	3.8E-02	1.9E-12	4.6E+00	6.0E-07	6.1E-04	1.7E-09	4.7E-02	3.8E-02	3.0E-12

8.9E+00	1.9E-07	6.1E-04	1.0E-09	4.7E-02	3.8E-02	1.9E-12	4.7E+00	6.0E-07	6.1E-04	1.7E-09	4.7E-02	3.8E-02	3.1E-12
8.6E+00	1.9E-07	6.1E-04	9.9E-10	4.7E-02	3.8E-02	1.8E-12	4.8E+00	6.0E-07	6.1E-04	1.7E-09	4.7E-02	3.8E-02	3.1E-12
7.7E+00	1.9E-07	6.1E-04	8.8E-10	4.7E-02	3.8E-02	1.6E-12	4.1E+00	6.0E-07	6.1E-04	1.5E-09	4.7E-02	3.8E-02	2.7E-12
7.6E+00	1.9E-07	6.1E-04	8.7E-10	4.7E-02	3.8E-02	1.6E-12	4.2E+00	6.0E-07	6.1E-04	1.5E-09	4.7E-02	3.8E-02	2.7E-12
7.4E+00	1.9E-07	6.1E-04	8.5E-10	4.7E-02	3.8E-02	1.5E-12	4.2E+00	6.0E-07	6.1E-04	1.5E-09	4.7E-02	3.8E-02	2.8E-12
7.2E+00	1.9E-07	6.1E-04	8.3E-10	4.7E-02	3.8E-02	1.5E-12	3.9E+00	6.0E-07	6.1E-04	1.4E-09	4.7E-02	3.8E-02	2.6E-12
7.1E+00	1.9E-07	6.1E-04	8.1E-10	4.7E-02	3.8E-02	1.5E-12	4.0E+00	6.0E-07	6.1E-04	1.5E-09	4.7E-02	3.8E-02	2.6E-12
6.9E+00	1.9E-07	6.1E-04	7.9E-10	4.7E-02	3.8E-02	1.4E-12	4.1E+00	6.0E-07	6.1E-04	1.5E-09	4.7E-02	3.8E-02	2.7E-12
6.6E+00	1.9E-07	6.1E-04	7.6E-10	4.7E-02	3.8E-02	1.4E-12	4.1E+00	6.0E-07	6.1E-04	1.5E-09	4.7E-02	3.8E-02	2.7E-12
6.3E+00	1.9E-07	6.1E-04	7.3E-10	4.7E-02	3.8E-02	1.3E-12	4.1E+00	6.0E-07	6.1E-04	1.5E-09	4.7E-02	3.8E-02	2.7E-12
6.2E+00	1.9E-07	6.1E-04	7.1E-10	4.7E-02	3.8E-02	1.3E-12	3.5E+00	6.0E-07	6.1E-04	1.3E-09	4.7E-02	3.8E-02	2.3E-12
6.1E+00	1.9E-07	6.1E-04	7.0E-10	4.7E-02	3.8E-02	1.3E-12	3.6E+00	6.0E-07	6.1E-04	1.3E-09	4.7E-02	3.8E-02	2.4E-12
6.0E+00	1.9E-07	6.1E-04	6.9E-10	4.7E-02	3.8E-02	1.2E-12	3.6E+00	6.0E-07	6.1E-04	1.3E-09	4.7E-02	3.8E-02	2.4E-12
5.8E+00	1.9E-07	6.1E-04	6.7E-10	4.7E-02	3.8E-02	1.2E-12	3.7E+00	6.0E-07	6.1E-04	1.3E-09	4.7E-02	3.8E-02	2.4E-12
5.6E+00	1.9E-07	6.1E-04	6.4E-10	4.7E-02	3.8E-02	1.2E-12	3.7E+00	6.0E-07	6.1E-04	1.3E-09	4.7E-02	3.8E-02	2.4E-12
5.4E+00	1.9E-07	6.1E-04	6.2E-10	4.7E-02	3.8E-02	1.1E-12	3.2E+00	6.0E-07	6.1E-04	1.1E-09	4.7E-02	3.8E-02	2.1E-12
5.3E+00	1.9E-07	6.1E-04	6.2E-10	4.7E-02	3.8E-02	1.1E-12	3.2E+00	6.0E-07	6.1E-04	1.2E-09	4.7E-02	3.8E-02	2.1E-12
5.3E+00	1.9E-07	6.1E-04	6.1E-10	4.7E-02	3.8E-02	1.1E-12	3.3E+00	6.0E-07	6.1E-04	1.2E-09	4.7E-02	3.8E-02	2.1E-12
5.1E+00	1.9E-07	6.1E-04	5.9E-10	4.7E-02	3.8E-02	1.1E-12	3.3E+00	6.0E-07	6.1E-04	1.2E-09	4.7E-02	3.8E-02	2.2E-12
5.0E+00	1.9E-07	6.1E-04	5.7E-10	4.7E-02	3.8E-02	1.0E-12	3.3E+00	6.0E-07	6.1E-04	1.2E-09	4.7E-02	3.8E-02	2.2E-12
4.6E+01	1.9E-07	6.1E-04	5.2E-09	4.7E-02	3.8E-02	9.5E-12	1.9E+01	6.0E-07	6.1E-04	6.9E-09	4.7E-02	3.8E-02	1.3E-11
3.7E+01	1.9E-07	6.1E-04	4.2E-09	4.7E-02	3.8E-02	7.7E-12	1.5E+01	6.0E-07	6.1E-04	5.5E-09	4.7E-02	3.8E-02	9.9E-12
2.9E+01	1.9E-07	6.1E-04	3.3E-09	4.7E-02	3.8E-02	6.0E-12	1.5E+01	6.0E-07	6.1E-04	5.3E-09	4.7E-02	3.8E-02	9.6E-12
2.3E+01	1.9E-07	6.1E-04	2.7E-09	4.7E-02	3.8E-02	4.8E-12	1.4E+01	6.0E-07	6.1E-04	5.0E-09	4.7E-02	3.8E-02	9.1E-12
2.9E+01	1.9E-07	6.1E-04	3.3E-09	4.7E-02	3.8E-02	6.0E-12	1.2E+01	6.0E-07	6.1E-04	4.4E-09	4.7E-02	3.8E-02	8.0E-12
2.4E+01	1.9E-07	6.1E-04	2.7E-09	4.7E-02	3.8E-02	4.9E-12	1.2E+01	6.0E-07	6.1E-04	4.3E-09	4.7E-02	3.8E-02	7.8E-12
2.0E+01	1.9E-07	6.1E-04	2.3E-09	4.7E-02	3.8E-02	4.1E-12	1.1E+01	6.0E-07	6.1E-04	4.2E-09	4.7E-02	3.8E-02	7.5E-12

Franklin School Project

Risk From Portable Set-up - Mitigated School

Haul Route 1A							Haul Route 2A						
Conc	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
9.9E+00	1.2E-06	6.1E-04	7.4E-09	4.7E-02	3.8E-02	1.3E-11	8.5E-01	1.3E-07	6.1E-04	6.8E-11	4.7E-02	3.8E-02	1.2E-13
9.6E+00	1.2E-06	6.1E-04	7.2E-09	4.7E-02	3.8E-02	1.3E-11	8.3E-01	1.3E-07	6.1E-04	6.7E-11	4.7E-02	3.8E-02	1.2E-13
8.4E+00	1.2E-06	6.1E-04	6.3E-09	4.7E-02	3.8E-02	1.1E-11	8.2E-01	1.3E-07	6.1E-04	6.5E-11	4.7E-02	3.8E-02	1.2E-13
8.2E+00	1.2E-06	6.1E-04	6.1E-09	4.7E-02	3.8E-02	1.1E-11	8.0E-01	1.3E-07	6.1E-04	6.4E-11	4.7E-02	3.8E-02	1.2E-13
7.2E+00	1.2E-06	6.1E-04	5.4E-09	4.7E-02	3.8E-02	9.7E-12	7.8E-01	1.3E-07	6.1E-04	6.3E-11	4.7E-02	3.8E-02	1.1E-13
7.1E+00	1.2E-06	6.1E-04	5.3E-09	4.7E-02	3.8E-02	9.5E-12	7.7E-01	1.3E-07	6.1E-04	6.1E-11	4.7E-02	3.8E-02	1.1E-13
6.2E+00	1.2E-06	6.1E-04	4.6E-09	4.7E-02	3.8E-02	8.4E-12	7.5E-01	1.3E-07	6.1E-04	6.0E-11	4.7E-02	3.8E-02	1.1E-13
6.2E+00	1.2E-06	6.1E-04	4.6E-09	4.7E-02	3.8E-02	8.3E-12	7.4E-01	1.3E-07	6.1E-04	5.9E-11	4.7E-02	3.8E-02	1.1E-13
5.4E+00	1.2E-06	6.1E-04	4.1E-09	4.7E-02	3.8E-02	7.3E-12	7.2E-01	1.3E-07	6.1E-04	5.8E-11	4.7E-02	3.8E-02	1.0E-13
5.4E+00	1.2E-06	6.1E-04	4.0E-09	4.7E-02	3.8E-02	7.3E-12	7.1E-01	1.3E-07	6.1E-04	5.7E-11	4.7E-02	3.8E-02	1.0E-13
4.8E+00	1.2E-06	6.1E-04	3.6E-09	4.7E-02	3.8E-02	6.5E-12	7.0E-01	1.3E-07	6.1E-04	5.6E-11	4.7E-02	3.8E-02	1.0E-13
4.8E+00	1.2E-06	6.1E-04	3.6E-09	4.7E-02	3.8E-02	6.5E-12	6.8E-01	1.3E-07	6.1E-04	5.5E-11	4.7E-02	3.8E-02	9.9E-14
4.3E+00	1.2E-06	6.1E-04	3.2E-09	4.7E-02	3.8E-02	5.8E-12	6.7E-01	1.3E-07	6.1E-04	5.4E-11	4.7E-02	3.8E-02	9.7E-14
4.3E+00	1.2E-06	6.1E-04	3.2E-09	4.7E-02	3.8E-02	5.7E-12	6.6E-01	1.3E-07	6.1E-04	5.3E-11	4.7E-02	3.8E-02	9.6E-14
1.8E+01	1.2E-06	6.1E-04	1.3E-08	4.7E-02	3.8E-02	2.4E-11	1.0E+00	1.3E-07	6.1E-04	8.2E-11	4.7E-02	3.8E-02	1.5E-13
1.8E+01	1.2E-06	6.1E-04	1.4E-08	4.7E-02	3.8E-02	2.5E-11	1.0E+00	1.3E-07	6.1E-04	8.0E-11	4.7E-02	3.8E-02	1.5E-13
1.8E+01	1.2E-06	6.1E-04	1.4E-08	4.7E-02	3.8E-02	2.5E-11	9.8E-01	1.3E-07	6.1E-04	7.9E-11	4.7E-02	3.8E-02	1.4E-13
1.4E+01	1.2E-06	6.1E-04	1.1E-08	4.7E-02	3.8E-02	1.9E-11	9.8E-01	1.3E-07	6.1E-04	7.8E-11	4.7E-02	3.8E-02	1.4E-13
1.4E+01	1.2E-06	6.1E-04	1.1E-08	4.7E-02	3.8E-02	2.0E-11	9.6E-01	1.3E-07	6.1E-04	7.7E-11	4.7E-02	3.8E-02	1.4E-13
1.4E+01	1.2E-06	6.1E-04	1.1E-08	4.7E-02	3.8E-02	2.0E-11	9.4E-01	1.3E-07	6.1E-04	7.5E-11	4.7E-02	3.8E-02	1.4E-13
1.1E+01	1.2E-06	6.1E-04	8.5E-09	4.7E-02	3.8E-02	1.5E-11	9.4E-01	1.3E-07	6.1E-04	7.5E-11	4.7E-02	3.8E-02	1.4E-13
1.2E+01	1.2E-06	6.1E-04	8.7E-09	4.7E-02	3.8E-02	1.6E-11	9.2E-01	1.3E-07	6.1E-04	7.4E-11	4.7E-02	3.8E-02	1.3E-13
1.2E+01	1.2E-06	6.1E-04	8.8E-09	4.7E-02	3.8E-02	1.6E-11	9.0E-01	1.3E-07	6.1E-04	7.2E-11	4.7E-02	3.8E-02	1.3E-13
9.4E+00	1.2E-06	6.1E-04	7.0E-09	4.7E-02	3.8E-02	1.3E-11	9.0E-01	1.3E-07	6.1E-04	7.2E-11	4.7E-02	3.8E-02	1.3E-13
9.7E+00	1.2E-06	6.1E-04	7.2E-09	4.7E-02	3.8E-02	1.3E-11	8.8E-01	1.3E-07	6.1E-04	7.0E-11	4.7E-02	3.8E-02	1.3E-13
9.7E+00	1.2E-06	6.1E-04	7.2E-09	4.7E-02	3.8E-02	1.3E-11	8.6E-01	1.3E-07	6.1E-04	6.9E-11	4.7E-02	3.8E-02	1.2E-13
7.9E+00	1.2E-06	6.1E-04	5.9E-09	4.7E-02	3.8E-02	1.1E-11	8.6E-01	1.3E-07	6.1E-04	6.9E-11	4.7E-02	3.8E-02	1.2E-13
8.1E+00	1.2E-06	6.1E-04	6.0E-09	4.7E-02	3.8E-02	1.1E-11	8.4E-01	1.3E-07	6.1E-04	6.7E-11	4.7E-02	3.8E-02	1.2E-13
8.2E+00	1.2E-06	6.1E-04	6.1E-09	4.7E-02	3.8E-02	1.1E-11	8.3E-01	1.3E-07	6.1E-04	6.6E-11	4.7E-02	3.8E-02	1.2E-13
7.0E+00	1.2E-06	6.1E-04	5.2E-09	4.7E-02	3.8E-02	9.4E-12	8.3E-01	1.3E-07	6.1E-04	6.6E-11	4.7E-02	3.8E-02	1.2E-13
7.1E+00	1.2E-06	6.1E-04	5.3E-09	4.7E-02	3.8E-02	9.6E-12	8.1E-01	1.3E-07	6.1E-04	6.5E-11	4.7E-02	3.8E-02	1.2E-13
7.2E+00	1.2E-06	6.1E-04	5.4E-09	4.7E-02	3.8E-02	9.7E-12	8.0E-01	1.3E-07	6.1E-04	6.4E-11	4.7E-02	3.8E-02	1.2E-13
6.0E+00	1.2E-06	6.1E-04	4.5E-09	4.7E-02	3.8E-02	8.1E-12	7.9E-01	1.3E-07	6.1E-04	6.4E-11	4.7E-02	3.8E-02	1.2E-13
6.1E+00	1.2E-06	6.1E-04	4.6E-09	4.7E-02	3.8E-02	8.3E-12	7.8E-01	1.3E-07	6.1E-04	6.3E-11	4.7E-02	3.8E-02	1.1E-13
6.2E+00	1.2E-06	6.1E-04	4.6E-09	4.7E-02	3.8E-02	8.4E-12	7.7E-01	1.3E-07	6.1E-04	6.2E-11	4.7E-02	3.8E-02	1.1E-13
5.2E+00	1.2E-06	6.1E-04	3.9E-09	4.7E-02	3.8E-02	7.0E-12	7.6E-01	1.3E-07	6.1E-04	6.1E-11	4.7E-02	3.8E-02	1.1E-13
5.4E+00	1.2E-06	6.1E-04	4.0E-09	4.7E-02	3.8E-02	7.2E-12	7.5E-01	1.3E-07	6.1E-04	6.0E-11	4.7E-02	3.8E-02	1.1E-13
5.4E+00	1.2E-06	6.1E-04	4.0E-09	4.7E-02	3.8E-02	7.3E-12	7.4E-01	1.3E-07	6.1E-04	5.9E-11	4.7E-02	3.8E-02	1.1E-13
4.6E+00	1.2E-06	6.1E-04	3.4E-09	4.7E-02	3.8E-02	6.2E-12	7.3E-01	1.3E-07	6.1E-04	5.9E-11	4.7E-02	3.8E-02	1.1E-13

4.7E+00	1.2E-06	6.1E-04	3.5E-09	4.7E-02	3.8E-02	6.3E-12	7.2E-01	1.3E-07	6.1E-04	5.8E-11	4.7E-02	3.8E-02	1.0E-13
4.8E+00	1.2E-06	6.1E-04	3.6E-09	4.7E-02	3.8E-02	6.4E-12	7.1E-01	1.3E-07	6.1E-04	5.7E-11	4.7E-02	3.8E-02	1.0E-13
4.1E+00	1.2E-06	6.1E-04	3.0E-09	4.7E-02	3.8E-02	5.5E-12	7.0E-01	1.3E-07	6.1E-04	5.6E-11	4.7E-02	3.8E-02	1.0E-13
4.2E+00	1.2E-06	6.1E-04	3.1E-09	4.7E-02	3.8E-02	5.6E-12	6.9E-01	1.3E-07	6.1E-04	5.6E-11	4.7E-02	3.8E-02	1.0E-13
4.2E+00	1.2E-06	6.1E-04	3.2E-09	4.7E-02	3.8E-02	5.7E-12	6.8E-01	1.3E-07	6.1E-04	5.5E-11	4.7E-02	3.8E-02	9.9E-14
3.9E+00	1.2E-06	6.1E-04	2.9E-09	4.7E-02	3.8E-02	5.3E-12	6.9E-01	1.3E-07	6.1E-04	5.5E-11	4.7E-02	3.8E-02	1.0E-13
4.0E+00	1.2E-06	6.1E-04	3.0E-09	4.7E-02	3.8E-02	5.4E-12	6.8E-01	1.3E-07	6.1E-04	5.5E-11	4.7E-02	3.8E-02	9.9E-14
4.1E+00	1.2E-06	6.1E-04	3.0E-09	4.7E-02	3.8E-02	5.5E-12	6.7E-01	1.3E-07	6.1E-04	5.4E-11	4.7E-02	3.8E-02	9.7E-14
4.1E+00	1.2E-06	6.1E-04	3.0E-09	4.7E-02	3.8E-02	5.5E-12	6.6E-01	1.3E-07	6.1E-04	5.3E-11	4.7E-02	3.8E-02	9.5E-14
4.1E+00	1.2E-06	6.1E-04	3.0E-09	4.7E-02	3.8E-02	5.5E-12	6.5E-01	1.3E-07	6.1E-04	5.2E-11	4.7E-02	3.8E-02	9.4E-14
3.5E+00	1.2E-06	6.1E-04	2.6E-09	4.7E-02	3.8E-02	4.7E-12	6.6E-01	1.3E-07	6.1E-04	5.3E-11	4.7E-02	3.8E-02	9.6E-14
3.6E+00	1.2E-06	6.1E-04	2.7E-09	4.7E-02	3.8E-02	4.8E-12	6.5E-01	1.3E-07	6.1E-04	5.2E-11	4.7E-02	3.8E-02	9.5E-14
3.6E+00	1.2E-06	6.1E-04	2.7E-09	4.7E-02	3.8E-02	4.9E-12	6.5E-01	1.3E-07	6.1E-04	5.2E-11	4.7E-02	3.8E-02	9.3E-14
3.7E+00	1.2E-06	6.1E-04	2.7E-09	4.7E-02	3.8E-02	4.9E-12	6.4E-01	1.3E-07	6.1E-04	5.1E-11	4.7E-02	3.8E-02	9.2E-14
3.7E+00	1.2E-06	6.1E-04	2.7E-09	4.7E-02	3.8E-02	4.9E-12	6.2E-01	1.3E-07	6.1E-04	5.0E-11	4.7E-02	3.8E-02	9.0E-14
3.2E+00	1.2E-06	6.1E-04	2.4E-09	4.7E-02	3.8E-02	4.3E-12	6.4E-01	1.3E-07	6.1E-04	5.1E-11	4.7E-02	3.8E-02	9.3E-14
3.2E+00	1.2E-06	6.1E-04	2.4E-09	4.7E-02	3.8E-02	4.3E-12	6.3E-01	1.3E-07	6.1E-04	5.1E-11	4.7E-02	3.8E-02	9.1E-14
3.3E+00	1.2E-06	6.1E-04	2.4E-09	4.7E-02	3.8E-02	4.4E-12	6.2E-01	1.3E-07	6.1E-04	5.0E-11	4.7E-02	3.8E-02	9.0E-14
3.3E+00	1.2E-06	6.1E-04	2.5E-09	4.7E-02	3.8E-02	4.4E-12	6.1E-01	1.3E-07	6.1E-04	4.9E-11	4.7E-02	3.8E-02	8.9E-14
3.3E+00	1.2E-06	6.1E-04	2.5E-09	4.7E-02	3.8E-02	4.4E-12	6.0E-01	1.3E-07	6.1E-04	4.8E-11	4.7E-02	3.8E-02	8.7E-14
1.9E+01	1.2E-06	6.1E-04	1.4E-08	4.7E-02	3.8E-02	2.6E-11	9.9E-01	1.3E-07	6.1E-04	7.9E-11	4.7E-02	3.8E-02	1.4E-13
1.5E+01	1.2E-06	6.1E-04	1.1E-08	4.7E-02	3.8E-02	2.0E-11	9.4E-01	1.3E-07	6.1E-04	7.6E-11	4.7E-02	3.8E-02	1.4E-13
1.5E+01	1.2E-06	6.1E-04	1.1E-08	4.7E-02	3.8E-02	2.0E-11	9.2E-01	1.3E-07	6.1E-04	7.4E-11	4.7E-02	3.8E-02	1.3E-13
1.4E+01	1.2E-06	6.1E-04	1.0E-08	4.7E-02	3.8E-02	1.9E-11	9.0E-01	1.3E-07	6.1E-04	7.2E-11	4.7E-02	3.8E-02	1.3E-13
1.2E+01	1.2E-06	6.1E-04	9.1E-09	4.7E-02	3.8E-02	1.6E-11	9.0E-01	1.3E-07	6.1E-04	7.2E-11	4.7E-02	3.8E-02	1.3E-13
1.2E+01	1.2E-06	6.1E-04	8.9E-09	4.7E-02	3.8E-02	1.6E-11	8.8E-01	1.3E-07	6.1E-04	7.1E-11	4.7E-02	3.8E-02	1.3E-13
1.1E+01	1.2E-06	6.1E-04	8.5E-09	4.7E-02	3.8E-02	1.5E-11	8.6E-01	1.3E-07	6.1E-04	6.9E-11	4.7E-02	3.8E-02	1.3E-13

1.83171E-05
1.77712E-05
1.54836E-05
1.51413E-05
1.3274E-05
1.30614E-05
1.15108E-05
1.13812E-05
1.00793E-05
1.00042E-05
8.89745E-06
8.86158E-06
7.91108E-06
7.89591E-06
3.31144E-05
3.60171E-05
3.35819E-05
2.60256E-05
2.75812E-05
2.66499E-05
2.26545E-05
2.15915E-05
2.16407E-05
1.74292E-05
1.78129E-05
1.79216E-05
1.46104E-05
1.49722E-05
1.51061E-05
1.28568E-05
1.31783E-05
1.33218E-05
1.10875E-05
1.13656E-05
1.15095E-05
9.66923E-06
9.90985E-06
1.00469E-05
8.51381E-06

8.72226E-06
8.84912E-06
7.55663E-06
7.7382E-06
7.85405E-06
7.27619E-06
7.43053E-06
7.52494E-06
7.56553E-06
7.5406E-06
6.51894E-06
6.65513E-06
6.74381E-06
6.78637E-06
6.77647E-06
5.87391E-06
5.99542E-06
6.07915E-06
6.1241E-06
6.12775E-06
3.50805E-05
2.77507E-05
2.686E-05
2.54549E-05
2.24731E-05
2.19578E-05
2.10529E-05

Risk From New Building Demo - Mitigated School

Franklin School Project

Risk From New Building Demo - Mitigated School

0.09	Max

Onsite

Receptor #	Total/ Million	Total	Conc	g/sec	D1	Dose	R1	ED	Risk
807	0.05	5.2E-08	2.9E+01	1.1E-03	6.1E-04	2.0E-05	4.7E-02	5.5E-02	5.2E-08
808	0.06	5.9E-08	3.3E+01	1.1E-03	6.1E-04	2.3E-05	4.7E-02	5.5E-02	5.8E-08
809	0.06	5.8E-08	3.2E+01	1.1E-03	6.1E-04	2.2E-05	4.7E-02	5.5E-02	5.7E-08
810	0.06	6.2E-08	3.5E+01	1.1E-03	6.1E-04	2.4E-05	4.7E-02	5.5E-02	6.2E-08
811	0.06	5.9E-08	3.3E+01	1.1E-03	6.1E-04	2.3E-05	4.7E-02	5.5E-02	5.9E-08
812	0.07	7.5E-08	4.2E+01	1.1E-03	6.1E-04	2.9E-05	4.7E-02	5.5E-02	7.5E-08
813	0.06	6.1E-08	3.4E+01	1.1E-03	6.1E-04	2.3E-05	4.7E-02	5.5E-02	6.0E-08
814	0.08	8.1E-08	4.6E+01	1.1E-03	6.1E-04	3.1E-05	4.7E-02	5.5E-02	8.1E-08
815	0.06	6.4E-08	3.6E+01	1.1E-03	6.1E-04	2.5E-05	4.7E-02	5.5E-02	6.4E-08
816	0.07	7.0E-08	4.0E+01	1.1E-03	6.1E-04	2.7E-05	4.7E-02	5.5E-02	7.0E-08
817	0.07	6.5E-08	3.7E+01	1.1E-03	6.1E-04	2.5E-05	4.7E-02	5.5E-02	6.5E-08
818	0.07	7.1E-08	4.0E+01	1.1E-03	6.1E-04	2.7E-05	4.7E-02	5.5E-02	7.1E-08
819	0.06	6.3E-08	3.6E+01	1.1E-03	6.1E-04	2.5E-05	4.7E-02	5.5E-02	6.3E-08
820	0.09	8.6E-08	4.8E+01	1.1E-03	6.1E-04	3.3E-05	4.7E-02	5.5E-02	8.6E-08
821	0.01	1.4E-08	7.9E+00	1.1E-03	6.1E-04	5.4E-06	4.7E-02	5.5E-02	1.4E-08
822	0.02	1.8E-08	9.7E+00	1.1E-03	6.1E-04	6.7E-06	4.7E-02	5.5E-02	1.7E-08
823	0.02	2.3E-08	1.3E+01	1.1E-03	6.1E-04	8.6E-06	4.7E-02	5.5E-02	2.2E-08
824	0.02	1.6E-08	8.7E+00	1.1E-03	6.1E-04	6.0E-06	4.7E-02	5.5E-02	1.5E-08
825	0.02	2.0E-08	1.1E+01	1.1E-03	6.1E-04	7.6E-06	4.7E-02	5.5E-02	2.0E-08
826	0.03	2.6E-08	1.5E+01	1.1E-03	6.1E-04	1.0E-05	4.7E-02	5.5E-02	2.6E-08
827	0.02	1.7E-08	9.6E+00	1.1E-03	6.1E-04	6.6E-06	4.7E-02	5.5E-02	1.7E-08
828	0.02	2.3E-08	1.3E+01	1.1E-03	6.1E-04	8.6E-06	4.7E-02	5.5E-02	2.2E-08
829	0.03	3.1E-08	1.7E+01	1.1E-03	6.1E-04	1.2E-05	4.7E-02	5.5E-02	3.0E-08
830	0.02	1.9E-08	1.0E+01	1.1E-03	6.1E-04	7.1E-06	4.7E-02	5.5E-02	1.8E-08
831	0.02	2.5E-08	1.4E+01	1.1E-03	6.1E-04	9.4E-06	4.7E-02	5.5E-02	2.4E-08
832	0.03	3.4E-08	1.9E+01	1.1E-03	6.1E-04	1.3E-05	4.7E-02	5.5E-02	3.4E-08
833	0.02	2.0E-08	1.1E+01	1.1E-03	6.1E-04	7.5E-06	4.7E-02	5.5E-02	1.9E-08
834	0.03	2.6E-08	1.5E+01	1.1E-03	6.1E-04	9.9E-06	4.7E-02	5.5E-02	2.6E-08
835	0.04	3.7E-08	2.1E+01	1.1E-03	6.1E-04	1.4E-05	4.7E-02	5.5E-02	3.7E-08
836	0.02	2.0E-08	1.1E+01	1.1E-03	6.1E-04	7.8E-06	4.7E-02	5.5E-02	2.0E-08
837	0.03	2.7E-08	1.5E+01	1.1E-03	6.1E-04	1.0E-05	4.7E-02	5.5E-02	2.6E-08
838	0.04	3.8E-08	2.1E+01	1.1E-03	6.1E-04	1.5E-05	4.7E-02	5.5E-02	3.8E-08
839	0.02	2.1E-08	1.2E+01	1.1E-03	6.1E-04	8.0E-06	4.7E-02	5.5E-02	2.1E-08
840	0.03	2.8E-08	1.6E+01	1.1E-03	6.1E-04	1.1E-05	4.7E-02	5.5E-02	2.7E-08
841	0.04	3.9E-08	2.2E+01	1.1E-03	6.1E-04	1.5E-05	4.7E-02	5.5E-02	3.9E-08
842	0.02	2.1E-08	1.2E+01	1.1E-03	6.1E-04	8.1E-06	4.7E-02	5.5E-02	2.1E-08
843	0.03	2.8E-08	1.6E+01	1.1E-03	6.1E-04	1.1E-05	4.7E-02	5.5E-02	2.8E-08
844	0.04	4.0E-08	2.3E+01	1.1E-03	6.1E-04	1.6E-05	4.7E-02	5.5E-02	4.0E-08
845	0.02	2.1E-08	1.2E+01	1.1E-03	6.1E-04	8.0E-06	4.7E-02	5.5E-02	2.1E-08

846	0.03	2.8E-08	1.6E+01	1.1E-03	6.1E-04	1.1E-05	4.7E-02	5.5E-02	2.8E-08
847	0.04	4.1E-08	2.3E+01	1.1E-03	6.1E-04	1.6E-05	4.7E-02	5.5E-02	4.1E-08
848	0.02	2.0E-08	1.1E+01	1.1E-03	6.1E-04	7.8E-06	4.7E-02	5.5E-02	2.0E-08
849	0.03	2.8E-08	1.6E+01	1.1E-03	6.1E-04	1.1E-05	4.7E-02	5.5E-02	2.7E-08
850	0.04	4.0E-08	2.3E+01	1.1E-03	6.1E-04	1.6E-05	4.7E-02	5.5E-02	4.0E-08
851	0.02	2.2E-08	1.2E+01	1.1E-03	6.1E-04	8.4E-06	4.7E-02	5.5E-02	2.2E-08
852	0.03	3.0E-08	1.7E+01	1.1E-03	6.1E-04	1.2E-05	4.7E-02	5.5E-02	3.0E-08
853	0.04	4.5E-08	2.5E+01	1.1E-03	6.1E-04	1.7E-05	4.7E-02	5.5E-02	4.5E-08
854	0.07	6.8E-08	3.8E+01	1.1E-03	6.1E-04	2.6E-05	4.7E-02	5.5E-02	6.8E-08
855	0.07	7.0E-08	3.9E+01	1.1E-03	6.1E-04	2.7E-05	4.7E-02	5.5E-02	7.0E-08
856	0.02	2.1E-08	1.2E+01	1.1E-03	6.1E-04	8.0E-06	4.7E-02	5.5E-02	2.1E-08
857	0.03	2.9E-08	1.6E+01	1.1E-03	6.1E-04	1.1E-05	4.7E-02	5.5E-02	2.9E-08
858	0.04	4.2E-08	2.4E+01	1.1E-03	6.1E-04	1.6E-05	4.7E-02	5.5E-02	4.2E-08
859	0.07	6.6E-08	3.7E+01	1.1E-03	6.1E-04	2.5E-05	4.7E-02	5.5E-02	6.6E-08
860	0.06	6.1E-08	3.5E+01	1.1E-03	6.1E-04	2.4E-05	4.7E-02	5.5E-02	6.1E-08
861	0.02	2.0E-08	1.1E+01	1.1E-03	6.1E-04	7.5E-06	4.7E-02	5.5E-02	1.9E-08
862	0.03	2.6E-08	1.5E+01	1.1E-03	6.1E-04	1.0E-05	4.7E-02	5.5E-02	2.6E-08
863	0.04	3.8E-08	2.1E+01	1.1E-03	6.1E-04	1.5E-05	4.7E-02	5.5E-02	3.8E-08
864	0.06	5.7E-08	3.2E+01	1.1E-03	6.1E-04	2.2E-05	4.7E-02	5.5E-02	5.7E-08
865	0.06	5.8E-08	3.3E+01	1.1E-03	6.1E-04	2.2E-05	4.7E-02	5.5E-02	5.8E-08
866	0.02	2.3E-08	1.3E+01	1.1E-03	6.1E-04	8.8E-06	4.7E-02	5.5E-02	2.3E-08
867	0.03	2.7E-08	1.5E+01	1.1E-03	6.1E-04	1.0E-05	4.7E-02	5.5E-02	2.7E-08
868	0.04	3.8E-08	2.1E+01	1.1E-03	6.1E-04	1.5E-05	4.7E-02	5.5E-02	3.8E-08
869	0.06	5.6E-08	3.2E+01	1.1E-03	6.1E-04	2.2E-05	4.7E-02	5.5E-02	5.6E-08
870	0.03	3.2E-08	1.8E+01	1.1E-03	6.1E-04	1.2E-05	4.7E-02	5.5E-02	3.2E-08
871	0.05	4.6E-08	2.6E+01	1.1E-03	6.1E-04	1.8E-05	4.7E-02	5.5E-02	4.6E-08
872	0.06	6.2E-08	3.5E+01	1.1E-03	6.1E-04	2.4E-05	4.7E-02	5.5E-02	6.2E-08

Franklin School Project

Risk From New Building Demo - Mitigated School

Haul Route 1A							Haul Route 2A						
Conc	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
2.0E+01	2.0E-06	6.1E-04	2.3E-08	4.7E-02	5.5E-02	6.0E-11	9.9E+00	6.2E-06	6.1E-04	3.7E-08	4.7E-02	5.5E-02	9.6E-11
1.7E+01	2.0E-06	6.1E-04	2.0E-08	4.7E-02	5.5E-02	5.2E-11	9.6E+00	6.2E-06	6.1E-04	3.6E-08	4.7E-02	5.5E-02	9.4E-11
1.6E+01	2.0E-06	6.1E-04	1.9E-08	4.7E-02	5.5E-02	5.0E-11	8.4E+00	6.2E-06	6.1E-04	3.2E-08	4.7E-02	5.5E-02	8.1E-11
1.4E+01	2.0E-06	6.1E-04	1.7E-08	4.7E-02	5.5E-02	4.4E-11	8.2E+00	6.2E-06	6.1E-04	3.1E-08	4.7E-02	5.5E-02	8.0E-11
1.3E+01	2.0E-06	6.1E-04	1.6E-08	4.7E-02	5.5E-02	4.1E-11	7.2E+00	6.2E-06	6.1E-04	2.7E-08	4.7E-02	5.5E-02	7.0E-11
1.2E+01	2.0E-06	6.1E-04	1.4E-08	4.7E-02	5.5E-02	3.7E-11	7.1E+00	6.2E-06	6.1E-04	2.7E-08	4.7E-02	5.5E-02	6.9E-11
1.1E+01	2.0E-06	6.1E-04	1.3E-08	4.7E-02	5.5E-02	3.4E-11	6.2E+00	6.2E-06	6.1E-04	2.3E-08	4.7E-02	5.5E-02	6.0E-11
1.0E+01	2.0E-06	6.1E-04	1.2E-08	4.7E-02	5.5E-02	3.2E-11	6.2E+00	6.2E-06	6.1E-04	2.3E-08	4.7E-02	5.5E-02	6.0E-11
9.5E+00	2.0E-06	6.1E-04	1.1E-08	4.7E-02	5.5E-02	2.9E-11	5.4E+00	6.2E-06	6.1E-04	2.0E-08	4.7E-02	5.5E-02	5.3E-11
8.8E+00	2.0E-06	6.1E-04	1.1E-08	4.7E-02	5.5E-02	2.7E-11	5.4E+00	6.2E-06	6.1E-04	2.0E-08	4.7E-02	5.5E-02	5.2E-11
8.2E+00	2.0E-06	6.1E-04	9.7E-09	4.7E-02	5.5E-02	2.5E-11	4.8E+00	6.2E-06	6.1E-04	1.8E-08	4.7E-02	5.5E-02	4.7E-11
7.7E+00	2.0E-06	6.1E-04	9.1E-09	4.7E-02	5.5E-02	2.4E-11	4.8E+00	6.2E-06	6.1E-04	1.8E-08	4.7E-02	5.5E-02	4.6E-11
7.1E+00	2.0E-06	6.1E-04	8.4E-09	4.7E-02	5.5E-02	2.2E-11	4.3E+00	6.2E-06	6.1E-04	1.6E-08	4.7E-02	5.5E-02	4.1E-11
6.7E+00	2.0E-06	6.1E-04	8.0E-09	4.7E-02	5.5E-02	2.1E-11	4.3E+00	6.2E-06	6.1E-04	1.6E-08	4.7E-02	5.5E-02	4.1E-11
3.2E+01	2.0E-06	6.1E-04	3.8E-08	4.7E-02	5.5E-02	9.9E-11	1.8E+01	6.2E-06	6.1E-04	6.8E-08	4.7E-02	5.5E-02	1.7E-10
6.9E+01	2.0E-06	6.1E-04	8.3E-08	4.7E-02	5.5E-02	2.1E-10	1.8E+01	6.2E-06	6.1E-04	6.9E-08	4.7E-02	5.5E-02	1.8E-10
4.7E+01	2.0E-06	6.1E-04	5.6E-08	4.7E-02	5.5E-02	1.4E-10	1.8E+01	6.2E-06	6.1E-04	6.9E-08	4.7E-02	5.5E-02	1.8E-10
2.2E+01	2.0E-06	6.1E-04	2.6E-08	4.7E-02	5.5E-02	6.7E-11	1.4E+01	6.2E-06	6.1E-04	5.3E-08	4.7E-02	5.5E-02	1.4E-10
5.0E+01	2.0E-06	6.1E-04	6.0E-08	4.7E-02	5.5E-02	1.6E-10	1.4E+01	6.2E-06	6.1E-04	5.4E-08	4.7E-02	5.5E-02	1.4E-10
3.7E+01	2.0E-06	6.1E-04	4.4E-08	4.7E-02	5.5E-02	1.1E-10	1.4E+01	6.2E-06	6.1E-04	5.4E-08	4.7E-02	5.5E-02	1.4E-10
4.4E+01	2.0E-06	6.1E-04	5.3E-08	4.7E-02	5.5E-02	1.4E-10	1.1E+01	6.2E-06	6.1E-04	4.3E-08	4.7E-02	5.5E-02	1.1E-10
3.6E+01	2.0E-06	6.1E-04	4.3E-08	4.7E-02	5.5E-02	1.1E-10	1.2E+01	6.2E-06	6.1E-04	4.4E-08	4.7E-02	5.5E-02	1.1E-10
2.9E+01	2.0E-06	6.1E-04	3.4E-08	4.7E-02	5.5E-02	8.8E-11	1.2E+01	6.2E-06	6.1E-04	4.4E-08	4.7E-02	5.5E-02	1.1E-10
3.0E+01	2.0E-06	6.1E-04	3.6E-08	4.7E-02	5.5E-02	9.2E-11	9.4E+00	6.2E-06	6.1E-04	3.5E-08	4.7E-02	5.5E-02	9.1E-11
2.6E+01	2.0E-06	6.1E-04	3.1E-08	4.7E-02	5.5E-02	8.0E-11	9.7E+00	6.2E-06	6.1E-04	3.6E-08	4.7E-02	5.5E-02	9.4E-11
2.2E+01	2.0E-06	6.1E-04	2.7E-08	4.7E-02	5.5E-02	6.9E-11	9.7E+00	6.2E-06	6.1E-04	3.6E-08	4.7E-02	5.5E-02	9.4E-11
2.2E+01	2.0E-06	6.1E-04	2.6E-08	4.7E-02	5.5E-02	6.6E-11	7.9E+00	6.2E-06	6.1E-04	3.0E-08	4.7E-02	5.5E-02	7.7E-11
2.0E+01	2.0E-06	6.1E-04	2.4E-08	4.7E-02	5.5E-02	6.1E-11	8.1E+00	6.2E-06	6.1E-04	3.0E-08	4.7E-02	5.5E-02	7.9E-11
1.8E+01	2.0E-06	6.1E-04	2.1E-08	4.7E-02	5.5E-02	5.4E-11	8.2E+00	6.2E-06	6.1E-04	3.1E-08	4.7E-02	5.5E-02	7.9E-11
1.7E+01	2.0E-06	6.1E-04	2.1E-08	4.7E-02	5.5E-02	5.3E-11	7.0E+00	6.2E-06	6.1E-04	2.6E-08	4.7E-02	5.5E-02	6.7E-11
1.6E+01	2.0E-06	6.1E-04	1.9E-08	4.7E-02	5.5E-02	5.0E-11	7.1E+00	6.2E-06	6.1E-04	2.7E-08	4.7E-02	5.5E-02	6.9E-11
1.5E+01	2.0E-06	6.1E-04	1.8E-08	4.7E-02	5.5E-02	4.6E-11	7.2E+00	6.2E-06	6.1E-04	2.7E-08	4.7E-02	5.5E-02	7.0E-11
1.4E+01	2.0E-06	6.1E-04	1.6E-08	4.7E-02	5.5E-02	4.2E-11	6.0E+00	6.2E-06	6.1E-04	2.3E-08	4.7E-02	5.5E-02	5.8E-11
1.3E+01	2.0E-06	6.1E-04	1.6E-08	4.7E-02	5.5E-02	4.0E-11	6.1E+00	6.2E-06	6.1E-04	2.3E-08	4.7E-02	5.5E-02	6.0E-11
1.2E+01	2.0E-06	6.1E-04	1.5E-08	4.7E-02	5.5E-02	3.8E-11	6.2E+00	6.2E-06	6.1E-04	2.3E-08	4.7E-02	5.5E-02	6.0E-11
1.1E+01	2.0E-06	6.1E-04	1.3E-08	4.7E-02	5.5E-02	3.4E-11	5.2E+00	6.2E-06	6.1E-04	2.0E-08	4.7E-02	5.5E-02	5.1E-11
1.1E+01	2.0E-06	6.1E-04	1.3E-08	4.7E-02	5.5E-02	3.3E-11	5.4E+00	6.2E-06	6.1E-04	2.0E-08	4.7E-02	5.5E-02	5.2E-11
1.0E+01	2.0E-06	6.1E-04	1.2E-08	4.7E-02	5.5E-02	3.1E-11	5.4E+00	6.2E-06	6.1E-04	2.0E-08	4.7E-02	5.5E-02	5.3E-11
9.1E+00	2.0E-06	6.1E-04	1.1E-08	4.7E-02	5.5E-02	2.8E-11	4.6E+00	6.2E-06	6.1E-04	1.7E-08	4.7E-02	5.5E-02	4.5E-11

8.9E+00	2.0E-06	6.1E-04	1.1E-08	4.7E-02	5.5E-02	2.7E-11	4.7E+00	6.2E-06	6.1E-04	1.8E-08	4.7E-02	5.5E-02	4.6E-11
8.6E+00	2.0E-06	6.1E-04	1.0E-08	4.7E-02	5.5E-02	2.6E-11	4.8E+00	6.2E-06	6.1E-04	1.8E-08	4.7E-02	5.5E-02	4.6E-11
7.7E+00	2.0E-06	6.1E-04	9.1E-09	4.7E-02	5.5E-02	2.4E-11	4.1E+00	6.2E-06	6.1E-04	1.5E-08	4.7E-02	5.5E-02	4.0E-11
7.6E+00	2.0E-06	6.1E-04	9.0E-09	4.7E-02	5.5E-02	2.3E-11	4.2E+00	6.2E-06	6.1E-04	1.6E-08	4.7E-02	5.5E-02	4.0E-11
7.4E+00	2.0E-06	6.1E-04	8.8E-09	4.7E-02	5.5E-02	2.3E-11	4.2E+00	6.2E-06	6.1E-04	1.6E-08	4.7E-02	5.5E-02	4.1E-11
7.2E+00	2.0E-06	6.1E-04	8.5E-09	4.7E-02	5.5E-02	2.2E-11	3.9E+00	6.2E-06	6.1E-04	1.5E-08	4.7E-02	5.5E-02	3.8E-11
7.1E+00	2.0E-06	6.1E-04	8.4E-09	4.7E-02	5.5E-02	2.2E-11	4.0E+00	6.2E-06	6.1E-04	1.5E-08	4.7E-02	5.5E-02	3.9E-11
6.9E+00	2.0E-06	6.1E-04	8.2E-09	4.7E-02	5.5E-02	2.1E-11	4.1E+00	6.2E-06	6.1E-04	1.5E-08	4.7E-02	5.5E-02	3.9E-11
6.6E+00	2.0E-06	6.1E-04	7.9E-09	4.7E-02	5.5E-02	2.0E-11	4.1E+00	6.2E-06	6.1E-04	1.5E-08	4.7E-02	5.5E-02	4.0E-11
6.3E+00	2.0E-06	6.1E-04	7.5E-09	4.7E-02	5.5E-02	1.9E-11	4.1E+00	6.2E-06	6.1E-04	1.5E-08	4.7E-02	5.5E-02	3.9E-11
6.2E+00	2.0E-06	6.1E-04	7.4E-09	4.7E-02	5.5E-02	1.9E-11	3.5E+00	6.2E-06	6.1E-04	1.3E-08	4.7E-02	5.5E-02	3.4E-11
6.1E+00	2.0E-06	6.1E-04	7.3E-09	4.7E-02	5.5E-02	1.9E-11	3.6E+00	6.2E-06	6.1E-04	1.3E-08	4.7E-02	5.5E-02	3.5E-11
6.0E+00	2.0E-06	6.1E-04	7.1E-09	4.7E-02	5.5E-02	1.8E-11	3.6E+00	6.2E-06	6.1E-04	1.4E-08	4.7E-02	5.5E-02	3.5E-11
5.8E+00	2.0E-06	6.1E-04	6.9E-09	4.7E-02	5.5E-02	1.8E-11	3.7E+00	6.2E-06	6.1E-04	1.4E-08	4.7E-02	5.5E-02	3.5E-11
5.6E+00	2.0E-06	6.1E-04	6.6E-09	4.7E-02	5.5E-02	1.7E-11	3.7E+00	6.2E-06	6.1E-04	1.4E-08	4.7E-02	5.5E-02	3.5E-11
5.4E+00	2.0E-06	6.1E-04	6.4E-09	4.7E-02	5.5E-02	1.7E-11	3.2E+00	6.2E-06	6.1E-04	1.2E-08	4.7E-02	5.5E-02	3.1E-11
5.3E+00	2.0E-06	6.1E-04	6.4E-09	4.7E-02	5.5E-02	1.6E-11	3.2E+00	6.2E-06	6.1E-04	1.2E-08	4.7E-02	5.5E-02	3.1E-11
5.3E+00	2.0E-06	6.1E-04	6.3E-09	4.7E-02	5.5E-02	1.6E-11	3.3E+00	6.2E-06	6.1E-04	1.2E-08	4.7E-02	5.5E-02	3.2E-11
5.1E+00	2.0E-06	6.1E-04	6.1E-09	4.7E-02	5.5E-02	1.6E-11	3.3E+00	6.2E-06	6.1E-04	1.2E-08	4.7E-02	5.5E-02	3.2E-11
5.0E+00	2.0E-06	6.1E-04	5.9E-09	4.7E-02	5.5E-02	1.5E-11	3.3E+00	6.2E-06	6.1E-04	1.2E-08	4.7E-02	5.5E-02	3.2E-11
4.6E+01	2.0E-06	6.1E-04	5.4E-08	4.7E-02	5.5E-02	1.4E-10	1.9E+01	6.2E-06	6.1E-04	7.2E-08	4.7E-02	5.5E-02	1.9E-10
3.7E+01	2.0E-06	6.1E-04	4.4E-08	4.7E-02	5.5E-02	1.1E-10	1.5E+01	6.2E-06	6.1E-04	5.7E-08	4.7E-02	5.5E-02	1.5E-10
2.9E+01	2.0E-06	6.1E-04	3.4E-08	4.7E-02	5.5E-02	8.8E-11	1.5E+01	6.2E-06	6.1E-04	5.5E-08	4.7E-02	5.5E-02	1.4E-10
2.3E+01	2.0E-06	6.1E-04	2.7E-08	4.7E-02	5.5E-02	7.1E-11	1.4E+01	6.2E-06	6.1E-04	5.2E-08	4.7E-02	5.5E-02	1.3E-10
2.9E+01	2.0E-06	6.1E-04	3.4E-08	4.7E-02	5.5E-02	8.9E-11	1.2E+01	6.2E-06	6.1E-04	4.6E-08	4.7E-02	5.5E-02	1.2E-10
2.4E+01	2.0E-06	6.1E-04	2.8E-08	4.7E-02	5.5E-02	7.3E-11	1.2E+01	6.2E-06	6.1E-04	4.5E-08	4.7E-02	5.5E-02	1.2E-10
2.0E+01	2.0E-06	6.1E-04	2.3E-08	4.7E-02	5.5E-02	6.0E-11	1.1E+01	6.2E-06	6.1E-04	4.3E-08	4.7E-02	5.5E-02	1.1E-10

Franklin School Project

Risk From New Building Demo - Mitigated School

Haul Route 1A							Haul Route 2A						
Conc	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
9.9E+00	1.3E-05	6.1E-04	7.7E-08	4.7E-02	5.5E-02	2.0E-10	8.5E-01	1.4E-06	6.1E-04	7.0E-10	4.7E-02	5.5E-02	1.8E-12
9.6E+00	1.3E-05	6.1E-04	7.4E-08	4.7E-02	5.5E-02	1.9E-10	8.3E-01	1.4E-06	6.1E-04	6.9E-10	4.7E-02	5.5E-02	1.8E-12
8.4E+00	1.3E-05	6.1E-04	6.5E-08	4.7E-02	5.5E-02	1.7E-10	8.2E-01	1.4E-06	6.1E-04	6.8E-10	4.7E-02	5.5E-02	1.7E-12
8.2E+00	1.3E-05	6.1E-04	6.3E-08	4.7E-02	5.5E-02	1.6E-10	8.0E-01	1.4E-06	6.1E-04	6.6E-10	4.7E-02	5.5E-02	1.7E-12
7.2E+00	1.3E-05	6.1E-04	5.5E-08	4.7E-02	5.5E-02	1.4E-10	7.8E-01	1.4E-06	6.1E-04	6.5E-10	4.7E-02	5.5E-02	1.7E-12
7.1E+00	1.3E-05	6.1E-04	5.5E-08	4.7E-02	5.5E-02	1.4E-10	7.7E-01	1.4E-06	6.1E-04	6.4E-10	4.7E-02	5.5E-02	1.6E-12
6.2E+00	1.3E-05	6.1E-04	4.8E-08	4.7E-02	5.5E-02	1.2E-10	7.5E-01	1.4E-06	6.1E-04	6.2E-10	4.7E-02	5.5E-02	1.6E-12
6.2E+00	1.3E-05	6.1E-04	4.7E-08	4.7E-02	5.5E-02	1.2E-10	7.4E-01	1.4E-06	6.1E-04	6.1E-10	4.7E-02	5.5E-02	1.6E-12
5.4E+00	1.3E-05	6.1E-04	4.2E-08	4.7E-02	5.5E-02	1.1E-10	7.2E-01	1.4E-06	6.1E-04	6.0E-10	4.7E-02	5.5E-02	1.5E-12
5.4E+00	1.3E-05	6.1E-04	4.2E-08	4.7E-02	5.5E-02	1.1E-10	7.1E-01	1.4E-06	6.1E-04	5.9E-10	4.7E-02	5.5E-02	1.5E-12
4.8E+00	1.3E-05	6.1E-04	3.7E-08	4.7E-02	5.5E-02	9.6E-11	7.0E-01	1.4E-06	6.1E-04	5.8E-10	4.7E-02	5.5E-02	1.5E-12
4.8E+00	1.3E-05	6.1E-04	3.7E-08	4.7E-02	5.5E-02	9.5E-11	6.8E-01	1.4E-06	6.1E-04	5.7E-10	4.7E-02	5.5E-02	1.5E-12
4.3E+00	1.3E-05	6.1E-04	3.3E-08	4.7E-02	5.5E-02	8.5E-11	6.7E-01	1.4E-06	6.1E-04	5.6E-10	4.7E-02	5.5E-02	1.4E-12
4.3E+00	1.3E-05	6.1E-04	3.3E-08	4.7E-02	5.5E-02	8.5E-11	6.6E-01	1.4E-06	6.1E-04	5.5E-10	4.7E-02	5.5E-02	1.4E-12
1.8E+01	1.3E-05	6.1E-04	1.4E-07	4.7E-02	5.5E-02	3.6E-10	1.0E+00	1.4E-06	6.1E-04	8.5E-10	4.7E-02	5.5E-02	2.2E-12
1.8E+01	1.3E-05	6.1E-04	1.4E-07	4.7E-02	5.5E-02	3.7E-10	1.0E+00	1.4E-06	6.1E-04	8.3E-10	4.7E-02	5.5E-02	2.1E-12
1.8E+01	1.3E-05	6.1E-04	1.4E-07	4.7E-02	5.5E-02	3.6E-10	9.8E-01	1.4E-06	6.1E-04	8.1E-10	4.7E-02	5.5E-02	2.1E-12
1.4E+01	1.3E-05	6.1E-04	1.1E-07	4.7E-02	5.5E-02	2.8E-10	9.8E-01	1.4E-06	6.1E-04	8.1E-10	4.7E-02	5.5E-02	2.1E-12
1.4E+01	1.3E-05	6.1E-04	1.1E-07	4.7E-02	5.5E-02	2.9E-10	9.6E-01	1.4E-06	6.1E-04	8.0E-10	4.7E-02	5.5E-02	2.1E-12
1.4E+01	1.3E-05	6.1E-04	1.1E-07	4.7E-02	5.5E-02	2.9E-10	9.4E-01	1.4E-06	6.1E-04	7.8E-10	4.7E-02	5.5E-02	2.0E-12
1.1E+01	1.3E-05	6.1E-04	8.8E-08	4.7E-02	5.5E-02	2.3E-10	9.4E-01	1.4E-06	6.1E-04	7.8E-10	4.7E-02	5.5E-02	2.0E-12
1.2E+01	1.3E-05	6.1E-04	9.0E-08	4.7E-02	5.5E-02	2.3E-10	9.2E-01	1.4E-06	6.1E-04	7.6E-10	4.7E-02	5.5E-02	2.0E-12
1.2E+01	1.3E-05	6.1E-04	9.1E-08	4.7E-02	5.5E-02	2.3E-10	9.0E-01	1.4E-06	6.1E-04	7.5E-10	4.7E-02	5.5E-02	1.9E-12
9.4E+00	1.3E-05	6.1E-04	7.3E-08	4.7E-02	5.5E-02	1.9E-10	9.0E-01	1.4E-06	6.1E-04	7.4E-10	4.7E-02	5.5E-02	1.9E-12
9.7E+00	1.3E-05	6.1E-04	7.4E-08	4.7E-02	5.5E-02	1.9E-10	8.8E-01	1.4E-06	6.1E-04	7.3E-10	4.7E-02	5.5E-02	1.9E-12
9.7E+00	1.3E-05	6.1E-04	7.5E-08	4.7E-02	5.5E-02	1.9E-10	8.6E-01	1.4E-06	6.1E-04	7.1E-10	4.7E-02	5.5E-02	1.8E-12
7.9E+00	1.3E-05	6.1E-04	6.1E-08	4.7E-02	5.5E-02	1.6E-10	8.6E-01	1.4E-06	6.1E-04	7.1E-10	4.7E-02	5.5E-02	1.8E-12
8.1E+00	1.3E-05	6.1E-04	6.3E-08	4.7E-02	5.5E-02	1.6E-10	8.4E-01	1.4E-06	6.1E-04	7.0E-10	4.7E-02	5.5E-02	1.8E-12
8.2E+00	1.3E-05	6.1E-04	6.3E-08	4.7E-02	5.5E-02	1.6E-10	8.3E-01	1.4E-06	6.1E-04	6.8E-10	4.7E-02	5.5E-02	1.8E-12
7.0E+00	1.3E-05	6.1E-04	5.4E-08	4.7E-02	5.5E-02	1.4E-10	8.3E-01	1.4E-06	6.1E-04	6.9E-10	4.7E-02	5.5E-02	1.8E-12
7.1E+00	1.3E-05	6.1E-04	5.5E-08	4.7E-02	5.5E-02	1.4E-10	8.1E-01	1.4E-06	6.1E-04	6.8E-10	4.7E-02	5.5E-02	1.7E-12
7.2E+00	1.3E-05	6.1E-04	5.6E-08	4.7E-02	5.5E-02	1.4E-10	8.0E-01	1.4E-06	6.1E-04	6.6E-10	4.7E-02	5.5E-02	1.7E-12
6.0E+00	1.3E-05	6.1E-04	4.6E-08	4.7E-02	5.5E-02	1.2E-10	7.9E-01	1.4E-06	6.1E-04	6.6E-10	4.7E-02	5.5E-02	1.7E-12
6.1E+00	1.3E-05	6.1E-04	4.7E-08	4.7E-02	5.5E-02	1.2E-10	7.8E-01	1.4E-06	6.1E-04	6.5E-10	4.7E-02	5.5E-02	1.7E-12
6.2E+00	1.3E-05	6.1E-04	4.8E-08	4.7E-02	5.5E-02	1.2E-10	7.7E-01	1.4E-06	6.1E-04	6.4E-10	4.7E-02	5.5E-02	1.6E-12
5.2E+00	1.3E-05	6.1E-04	4.0E-08	4.7E-02	5.5E-02	1.0E-10	7.6E-01	1.4E-06	6.1E-04	6.3E-10	4.7E-02	5.5E-02	1.6E-12
5.4E+00	1.3E-05	6.1E-04	4.1E-08	4.7E-02	5.5E-02	1.1E-10	7.5E-01	1.4E-06	6.1E-04	6.2E-10	4.7E-02	5.5E-02	1.6E-12
5.4E+00	1.3E-05	6.1E-04	4.2E-08	4.7E-02	5.5E-02	1.1E-10	7.4E-01	1.4E-06	6.1E-04	6.1E-10	4.7E-02	5.5E-02	1.6E-12
4.6E+00	1.3E-05	6.1E-04	3.5E-08	4.7E-02	5.5E-02	9.1E-11	7.3E-01	1.4E-06	6.1E-04	6.1E-10	4.7E-02	5.5E-02	1.6E-12

4.7E+00	1.3E-05	6.1E-04	3.6E-08	4.7E-02	5.5E-02	9.4E-11	7.2E-01	1.4E-06	6.1E-04	6.0E-10	4.7E-02	5.5E-02	1.5E-12
4.8E+00	1.3E-05	6.1E-04	3.7E-08	4.7E-02	5.5E-02	9.5E-11	7.1E-01	1.4E-06	6.1E-04	5.9E-10	4.7E-02	5.5E-02	1.5E-12
4.1E+00	1.3E-05	6.1E-04	3.1E-08	4.7E-02	5.5E-02	8.1E-11	7.0E-01	1.4E-06	6.1E-04	5.8E-10	4.7E-02	5.5E-02	1.5E-12
4.2E+00	1.3E-05	6.1E-04	3.2E-08	4.7E-02	5.5E-02	8.3E-11	6.9E-01	1.4E-06	6.1E-04	5.7E-10	4.7E-02	5.5E-02	1.5E-12
4.2E+00	1.3E-05	6.1E-04	3.3E-08	4.7E-02	5.5E-02	8.4E-11	6.8E-01	1.4E-06	6.1E-04	5.7E-10	4.7E-02	5.5E-02	1.5E-12
3.9E+00	1.3E-05	6.1E-04	3.0E-08	4.7E-02	5.5E-02	7.8E-11	6.9E-01	1.4E-06	6.1E-04	5.7E-10	4.7E-02	5.5E-02	1.5E-12
4.0E+00	1.3E-05	6.1E-04	3.1E-08	4.7E-02	5.5E-02	8.0E-11	6.8E-01	1.4E-06	6.1E-04	5.6E-10	4.7E-02	5.5E-02	1.5E-12
4.1E+00	1.3E-05	6.1E-04	3.1E-08	4.7E-02	5.5E-02	8.1E-11	6.7E-01	1.4E-06	6.1E-04	5.5E-10	4.7E-02	5.5E-02	1.4E-12
4.1E+00	1.3E-05	6.1E-04	3.1E-08	4.7E-02	5.5E-02	8.1E-11	6.6E-01	1.4E-06	6.1E-04	5.5E-10	4.7E-02	5.5E-02	1.4E-12
4.1E+00	1.3E-05	6.1E-04	3.1E-08	4.7E-02	5.5E-02	8.1E-11	6.5E-01	1.4E-06	6.1E-04	5.4E-10	4.7E-02	5.5E-02	1.4E-12
3.5E+00	1.3E-05	6.1E-04	2.7E-08	4.7E-02	5.5E-02	7.0E-11	6.6E-01	1.4E-06	6.1E-04	5.5E-10	4.7E-02	5.5E-02	1.4E-12
3.6E+00	1.3E-05	6.1E-04	2.8E-08	4.7E-02	5.5E-02	7.1E-11	6.5E-01	1.4E-06	6.1E-04	5.4E-10	4.7E-02	5.5E-02	1.4E-12
3.6E+00	1.3E-05	6.1E-04	2.8E-08	4.7E-02	5.5E-02	7.2E-11	6.5E-01	1.4E-06	6.1E-04	5.3E-10	4.7E-02	5.5E-02	1.4E-12
3.7E+00	1.3E-05	6.1E-04	2.8E-08	4.7E-02	5.5E-02	7.3E-11	6.4E-01	1.4E-06	6.1E-04	5.3E-10	4.7E-02	5.5E-02	1.4E-12
3.7E+00	1.3E-05	6.1E-04	2.8E-08	4.7E-02	5.5E-02	7.3E-11	6.2E-01	1.4E-06	6.1E-04	5.2E-10	4.7E-02	5.5E-02	1.3E-12
3.2E+00	1.3E-05	6.1E-04	2.4E-08	4.7E-02	5.5E-02	6.3E-11	6.4E-01	1.4E-06	6.1E-04	5.3E-10	4.7E-02	5.5E-02	1.4E-12
3.2E+00	1.3E-05	6.1E-04	2.5E-08	4.7E-02	5.5E-02	6.4E-11	6.3E-01	1.4E-06	6.1E-04	5.2E-10	4.7E-02	5.5E-02	1.4E-12
3.3E+00	1.3E-05	6.1E-04	2.5E-08	4.7E-02	5.5E-02	6.5E-11	6.2E-01	1.4E-06	6.1E-04	5.2E-10	4.7E-02	5.5E-02	1.3E-12
3.3E+00	1.3E-05	6.1E-04	2.5E-08	4.7E-02	5.5E-02	6.6E-11	6.1E-01	1.4E-06	6.1E-04	5.1E-10	4.7E-02	5.5E-02	1.3E-12
3.3E+00	1.3E-05	6.1E-04	2.5E-08	4.7E-02	5.5E-02	6.6E-11	6.0E-01	1.4E-06	6.1E-04	5.0E-10	4.7E-02	5.5E-02	1.3E-12
1.9E+01	1.3E-05	6.1E-04	1.5E-07	4.7E-02	5.5E-02	3.8E-10	9.9E-01	1.4E-06	6.1E-04	8.2E-10	4.7E-02	5.5E-02	2.1E-12
1.5E+01	1.3E-05	6.1E-04	1.2E-07	4.7E-02	5.5E-02	3.0E-10	9.4E-01	1.4E-06	6.1E-04	7.8E-10	4.7E-02	5.5E-02	2.0E-12
1.5E+01	1.3E-05	6.1E-04	1.1E-07	4.7E-02	5.5E-02	2.9E-10	9.2E-01	1.4E-06	6.1E-04	7.6E-10	4.7E-02	5.5E-02	2.0E-12
1.4E+01	1.3E-05	6.1E-04	1.1E-07	4.7E-02	5.5E-02	2.8E-10	9.0E-01	1.4E-06	6.1E-04	7.5E-10	4.7E-02	5.5E-02	1.9E-12
1.2E+01	1.3E-05	6.1E-04	9.4E-08	4.7E-02	5.5E-02	2.4E-10	9.0E-01	1.4E-06	6.1E-04	7.5E-10	4.7E-02	5.5E-02	1.9E-12
1.2E+01	1.3E-05	6.1E-04	9.2E-08	4.7E-02	5.5E-02	2.4E-10	8.8E-01	1.4E-06	6.1E-04	7.3E-10	4.7E-02	5.5E-02	1.9E-12
1.1E+01	1.3E-05	6.1E-04	8.8E-08	4.7E-02	5.5E-02	2.3E-10	8.6E-01	1.4E-06	6.1E-04	7.2E-10	4.7E-02	5.5E-02	1.8E-12

Risk From New Building Grading - Mitigated School

Franklin School Project

Risk From New Building Grading - Mitigated School

0.01	Max

Onsite

Receptor #	Total/ Million	Total	Conc	g/sec	D1	Dose	R1	ED	Risk
807	0.01	5.6E-09	2.9E+01	4.9E-04	6.1E-04	8.7E-06	4.7E-02	1.4E-02	5.6E-09
808	0.01	6.3E-09	3.3E+01	4.9E-04	6.1E-04	9.8E-06	4.7E-02	1.4E-02	6.3E-09
809	0.01	6.2E-09	3.2E+01	4.9E-04	6.1E-04	9.6E-06	4.7E-02	1.4E-02	6.2E-09
810	0.01	6.7E-09	3.5E+01	4.9E-04	6.1E-04	1.0E-05	4.7E-02	1.4E-02	6.7E-09
811	0.01	6.4E-09	3.3E+01	4.9E-04	6.1E-04	9.9E-06	4.7E-02	1.4E-02	6.4E-09
812	0.01	8.1E-09	4.2E+01	4.9E-04	6.1E-04	1.3E-05	4.7E-02	1.4E-02	8.1E-09
813	0.01	6.5E-09	3.4E+01	4.9E-04	6.1E-04	1.0E-05	4.7E-02	1.4E-02	6.5E-09
814	0.01	8.7E-09	4.6E+01	4.9E-04	6.1E-04	1.3E-05	4.7E-02	1.4E-02	8.7E-09
815	0.01	6.9E-09	3.6E+01	4.9E-04	6.1E-04	1.1E-05	4.7E-02	1.4E-02	6.9E-09
816	0.01	7.6E-09	4.0E+01	4.9E-04	6.1E-04	1.2E-05	4.7E-02	1.4E-02	7.6E-09
817	0.01	7.1E-09	3.7E+01	4.9E-04	6.1E-04	1.1E-05	4.7E-02	1.4E-02	7.1E-09
818	0.01	7.6E-09	4.0E+01	4.9E-04	6.1E-04	1.2E-05	4.7E-02	1.4E-02	7.6E-09
819	0.01	6.9E-09	3.6E+01	4.9E-04	6.1E-04	1.1E-05	4.7E-02	1.4E-02	6.9E-09
820	0.01	9.3E-09	4.8E+01	4.9E-04	6.1E-04	1.4E-05	4.7E-02	1.4E-02	9.3E-09
821	0.00	1.5E-09	7.9E+00	4.9E-04	6.1E-04	2.3E-06	4.7E-02	1.4E-02	1.5E-09
822	0.00	1.9E-09	9.7E+00	4.9E-04	6.1E-04	2.9E-06	4.7E-02	1.4E-02	1.9E-09
823	0.00	2.4E-09	1.3E+01	4.9E-04	6.1E-04	3.7E-06	4.7E-02	1.4E-02	2.4E-09
824	0.00	1.7E-09	8.7E+00	4.9E-04	6.1E-04	2.6E-06	4.7E-02	1.4E-02	1.7E-09
825	0.00	2.1E-09	1.1E+01	4.9E-04	6.1E-04	3.3E-06	4.7E-02	1.4E-02	2.1E-09
826	0.00	2.8E-09	1.5E+01	4.9E-04	6.1E-04	4.4E-06	4.7E-02	1.4E-02	2.8E-09
827	0.00	1.8E-09	9.6E+00	4.9E-04	6.1E-04	2.8E-06	4.7E-02	1.4E-02	1.8E-09
828	0.00	2.4E-09	1.3E+01	4.9E-04	6.1E-04	3.7E-06	4.7E-02	1.4E-02	2.4E-09
829	0.00	3.3E-09	1.7E+01	4.9E-04	6.1E-04	5.1E-06	4.7E-02	1.4E-02	3.3E-09
830	0.00	2.0E-09	1.0E+01	4.9E-04	6.1E-04	3.1E-06	4.7E-02	1.4E-02	2.0E-09
831	0.00	2.6E-09	1.4E+01	4.9E-04	6.1E-04	4.1E-06	4.7E-02	1.4E-02	2.6E-09
832	0.00	3.7E-09	1.9E+01	4.9E-04	6.1E-04	5.7E-06	4.7E-02	1.4E-02	3.7E-09
833	0.00	2.1E-09	1.1E+01	4.9E-04	6.1E-04	3.3E-06	4.7E-02	1.4E-02	2.1E-09
834	0.00	2.8E-09	1.5E+01	4.9E-04	6.1E-04	4.3E-06	4.7E-02	1.4E-02	2.8E-09
835	0.00	4.0E-09	2.1E+01	4.9E-04	6.1E-04	6.2E-06	4.7E-02	1.4E-02	4.0E-09
836	0.00	2.2E-09	1.1E+01	4.9E-04	6.1E-04	3.4E-06	4.7E-02	1.4E-02	2.2E-09
837	0.00	2.9E-09	1.5E+01	4.9E-04	6.1E-04	4.4E-06	4.7E-02	1.4E-02	2.9E-09
838	0.00	4.1E-09	2.1E+01	4.9E-04	6.1E-04	6.3E-06	4.7E-02	1.4E-02	4.1E-09
839	0.00	2.2E-09	1.2E+01	4.9E-04	6.1E-04	3.5E-06	4.7E-02	1.4E-02	2.2E-09
840	0.00	3.0E-09	1.6E+01	4.9E-04	6.1E-04	4.6E-06	4.7E-02	1.4E-02	3.0E-09
841	0.00	4.2E-09	2.2E+01	4.9E-04	6.1E-04	6.5E-06	4.7E-02	1.4E-02	4.2E-09
842	0.00	2.3E-09	1.2E+01	4.9E-04	6.1E-04	3.5E-06	4.7E-02	1.4E-02	2.3E-09
843	0.00	3.0E-09	1.6E+01	4.9E-04	6.1E-04	4.7E-06	4.7E-02	1.4E-02	3.0E-09
844	0.00	4.3E-09	2.3E+01	4.9E-04	6.1E-04	6.7E-06	4.7E-02	1.4E-02	4.3E-09
845	0.00	2.2E-09	1.2E+01	4.9E-04	6.1E-04	3.5E-06	4.7E-02	1.4E-02	2.2E-09

846	0.00	3.0E-09	1.6E+01	4.9E-04	6.1E-04	4.7E-06	4.7E-02	1.4E-02	3.0E-09
847	0.00	4.4E-09	2.3E+01	4.9E-04	6.1E-04	6.8E-06	4.7E-02	1.4E-02	4.4E-09
848	0.00	2.2E-09	1.1E+01	4.9E-04	6.1E-04	3.4E-06	4.7E-02	1.4E-02	2.2E-09
849	0.00	3.0E-09	1.6E+01	4.9E-04	6.1E-04	4.6E-06	4.7E-02	1.4E-02	3.0E-09
850	0.00	4.3E-09	2.3E+01	4.9E-04	6.1E-04	6.7E-06	4.7E-02	1.4E-02	4.3E-09
851	0.00	2.4E-09	1.2E+01	4.9E-04	6.1E-04	3.6E-06	4.7E-02	1.4E-02	2.4E-09
852	0.00	3.3E-09	1.7E+01	4.9E-04	6.1E-04	5.1E-06	4.7E-02	1.4E-02	3.3E-09
853	0.00	4.8E-09	2.5E+01	4.9E-04	6.1E-04	7.5E-06	4.7E-02	1.4E-02	4.8E-09
854	0.01	7.3E-09	3.8E+01	4.9E-04	6.1E-04	1.1E-05	4.7E-02	1.4E-02	7.3E-09
855	0.01	7.6E-09	3.9E+01	4.9E-04	6.1E-04	1.2E-05	4.7E-02	1.4E-02	7.6E-09
856	0.00	2.2E-09	1.2E+01	4.9E-04	6.1E-04	3.5E-06	4.7E-02	1.4E-02	2.2E-09
857	0.00	3.1E-09	1.6E+01	4.9E-04	6.1E-04	4.8E-06	4.7E-02	1.4E-02	3.1E-09
858	0.00	4.5E-09	2.4E+01	4.9E-04	6.1E-04	7.0E-06	4.7E-02	1.4E-02	4.5E-09
859	0.01	7.1E-09	3.7E+01	4.9E-04	6.1E-04	1.1E-05	4.7E-02	1.4E-02	7.1E-09
860	0.01	6.6E-09	3.5E+01	4.9E-04	6.1E-04	1.0E-05	4.7E-02	1.4E-02	6.6E-09
861	0.00	2.1E-09	1.1E+01	4.9E-04	6.1E-04	3.3E-06	4.7E-02	1.4E-02	2.1E-09
862	0.00	2.9E-09	1.5E+01	4.9E-04	6.1E-04	4.4E-06	4.7E-02	1.4E-02	2.9E-09
863	0.00	4.1E-09	2.1E+01	4.9E-04	6.1E-04	6.3E-06	4.7E-02	1.4E-02	4.1E-09
864	0.01	6.2E-09	3.2E+01	4.9E-04	6.1E-04	9.6E-06	4.7E-02	1.4E-02	6.2E-09
865	0.01	6.2E-09	3.3E+01	4.9E-04	6.1E-04	9.7E-06	4.7E-02	1.4E-02	6.2E-09
866	0.00	2.5E-09	1.3E+01	4.9E-04	6.1E-04	3.8E-06	4.7E-02	1.4E-02	2.5E-09
867	0.00	2.9E-09	1.5E+01	4.9E-04	6.1E-04	4.5E-06	4.7E-02	1.4E-02	2.9E-09
868	0.00	4.1E-09	2.1E+01	4.9E-04	6.1E-04	6.3E-06	4.7E-02	1.4E-02	4.1E-09
869	0.01	6.1E-09	3.2E+01	4.9E-04	6.1E-04	9.4E-06	4.7E-02	1.4E-02	6.1E-09
870	0.00	3.4E-09	1.8E+01	4.9E-04	6.1E-04	5.3E-06	4.7E-02	1.4E-02	3.4E-09
871	0.00	5.0E-09	2.6E+01	4.9E-04	6.1E-04	7.7E-06	4.7E-02	1.4E-02	5.0E-09
872	0.01	6.7E-09	3.5E+01	4.9E-04	6.1E-04	1.0E-05	4.7E-02	1.4E-02	6.7E-09

Risk From New Building Const - Mitigated School

Franklin School Project

Risk From New Building Const - Mitigated School

0.96	Max

Onsite

Receptor #	Total/ Million	Total	Conc	g/sec	D1	Dose	R1	ED	Risk
807	0.12	1.2E-07	8.6E+00	8.6E-04	6.1E-04	4.5E-06	4.7E-02	5.5E-01	1.2E-07
808	0.14	1.4E-07	9.9E+00	8.6E-04	6.1E-04	5.2E-06	4.7E-02	5.5E-01	1.3E-07
809	0.14	1.4E-07	1.1E+01	8.6E-04	6.1E-04	5.5E-06	4.7E-02	5.5E-01	1.4E-07
810	0.17	1.7E-07	1.2E+01	8.6E-04	6.1E-04	6.5E-06	4.7E-02	5.5E-01	1.7E-07
811	0.18	1.8E-07	1.3E+01	8.6E-04	6.1E-04	6.9E-06	4.7E-02	5.5E-01	1.8E-07
812	0.22	2.2E-07	1.6E+01	8.6E-04	6.1E-04	8.4E-06	4.7E-02	5.5E-01	2.2E-07
813	0.23	2.3E-07	1.7E+01	8.6E-04	6.1E-04	8.7E-06	4.7E-02	5.5E-01	2.3E-07
814	0.29	2.9E-07	2.1E+01	8.6E-04	6.1E-04	1.1E-05	4.7E-02	5.5E-01	2.9E-07
815	0.29	2.9E-07	2.1E+01	8.6E-04	6.1E-04	1.1E-05	4.7E-02	5.5E-01	2.9E-07
816	0.40	4.0E-07	2.9E+01	8.6E-04	6.1E-04	1.5E-05	4.7E-02	5.5E-01	4.0E-07
817	0.37	3.7E-07	2.8E+01	8.6E-04	6.1E-04	1.4E-05	4.7E-02	5.5E-01	3.7E-07
818	0.55	5.5E-07	4.1E+01	8.6E-04	6.1E-04	2.1E-05	4.7E-02	5.5E-01	5.5E-07
819	0.46	4.6E-07	3.4E+01	8.6E-04	6.1E-04	1.8E-05	4.7E-02	5.5E-01	4.6E-07
820	0.78	7.8E-07	5.7E+01	8.6E-04	6.1E-04	3.0E-05	4.7E-02	5.5E-01	7.8E-07
821	0.05	5.5E-08	3.9E+00	8.6E-04	6.1E-04	2.0E-06	4.7E-02	5.5E-01	5.2E-08
822	0.06	6.0E-08	4.3E+00	8.6E-04	6.1E-04	2.2E-06	4.7E-02	5.5E-01	5.8E-08
823	0.07	6.6E-08	4.7E+00	8.6E-04	6.1E-04	2.5E-06	4.7E-02	5.5E-01	6.4E-08
824	0.06	6.1E-08	4.4E+00	8.6E-04	6.1E-04	2.3E-06	4.7E-02	5.5E-01	5.9E-08
825	0.07	6.8E-08	4.9E+00	8.6E-04	6.1E-04	2.6E-06	4.7E-02	5.5E-01	6.6E-08
826	0.08	7.6E-08	5.5E+00	8.6E-04	6.1E-04	2.9E-06	4.7E-02	5.5E-01	7.4E-08
827	0.07	6.8E-08	5.0E+00	8.6E-04	6.1E-04	2.6E-06	4.7E-02	5.5E-01	6.7E-08
828	0.08	7.8E-08	5.7E+00	8.6E-04	6.1E-04	3.0E-06	4.7E-02	5.5E-01	7.6E-08
829	0.09	8.8E-08	6.4E+00	8.6E-04	6.1E-04	3.4E-06	4.7E-02	5.5E-01	8.7E-08
830	0.08	7.7E-08	5.6E+00	8.6E-04	6.1E-04	3.0E-06	4.7E-02	5.5E-01	7.6E-08
831	0.09	8.9E-08	6.5E+00	8.6E-04	6.1E-04	3.4E-06	4.7E-02	5.5E-01	8.8E-08
832	0.10	1.0E-07	7.6E+00	8.6E-04	6.1E-04	4.0E-06	4.7E-02	5.5E-01	1.0E-07
833	0.09	8.8E-08	6.4E+00	8.6E-04	6.1E-04	3.4E-06	4.7E-02	5.5E-01	8.7E-08
834	0.10	1.0E-07	7.6E+00	8.6E-04	6.1E-04	4.0E-06	4.7E-02	5.5E-01	1.0E-07
835	0.12	1.2E-07	9.1E+00	8.6E-04	6.1E-04	4.8E-06	4.7E-02	5.5E-01	1.2E-07
836	0.10	9.7E-08	7.1E+00	8.6E-04	6.1E-04	3.7E-06	4.7E-02	5.5E-01	9.6E-08
837	0.12	1.2E-07	8.5E+00	8.6E-04	6.1E-04	4.5E-06	4.7E-02	5.5E-01	1.1E-07
838	0.14	1.4E-07	1.1E+01	8.6E-04	6.1E-04	5.5E-06	4.7E-02	5.5E-01	1.4E-07
839	0.11	1.1E-07	8.1E+00	8.6E-04	6.1E-04	4.2E-06	4.7E-02	5.5E-01	1.1E-07
840	0.14	1.4E-07	9.9E+00	8.6E-04	6.1E-04	5.2E-06	4.7E-02	5.5E-01	1.3E-07
841	0.17	1.7E-07	1.3E+01	8.6E-04	6.1E-04	6.6E-06	4.7E-02	5.5E-01	1.7E-07
842	0.12	1.2E-07	9.1E+00	8.6E-04	6.1E-04	4.7E-06	4.7E-02	5.5E-01	1.2E-07
843	0.16	1.6E-07	1.2E+01	8.6E-04	6.1E-04	6.1E-06	4.7E-02	5.5E-01	1.6E-07
844	0.21	2.1E-07	1.5E+01	8.6E-04	6.1E-04	8.0E-06	4.7E-02	5.5E-01	2.1E-07
845	0.13	1.3E-07	9.9E+00	8.6E-04	6.1E-04	5.2E-06	4.7E-02	5.5E-01	1.3E-07

846	0.18	1.8E-07	1.3E+01	8.6E-04	6.1E-04	6.9E-06	4.7E-02	5.5E-01	1.8E-07
847	0.25	2.5E-07	1.8E+01	8.6E-04	6.1E-04	9.6E-06	4.7E-02	5.5E-01	2.5E-07
848	0.14	1.4E-07	1.1E+01	8.6E-04	6.1E-04	5.6E-06	4.7E-02	5.5E-01	1.4E-07
849	0.20	2.0E-07	1.4E+01	8.6E-04	6.1E-04	7.6E-06	4.7E-02	5.5E-01	2.0E-07
850	0.29	2.9E-07	2.1E+01	8.6E-04	6.1E-04	1.1E-05	4.7E-02	5.5E-01	2.9E-07
851	0.16	1.6E-07	1.2E+01	8.6E-04	6.1E-04	6.2E-06	4.7E-02	5.5E-01	1.6E-07
852	0.23	2.3E-07	1.7E+01	8.6E-04	6.1E-04	8.7E-06	4.7E-02	5.5E-01	2.2E-07
853	0.34	3.4E-07	2.5E+01	8.6E-04	6.1E-04	1.3E-05	4.7E-02	5.5E-01	3.4E-07
854	0.54	5.4E-07	4.0E+01	8.6E-04	6.1E-04	2.1E-05	4.7E-02	5.5E-01	5.4E-07
855	0.76	7.6E-07	5.6E+01	8.6E-04	6.1E-04	2.9E-05	4.7E-02	5.5E-01	7.6E-07
856	0.16	1.6E-07	1.2E+01	8.6E-04	6.1E-04	6.3E-06	4.7E-02	5.5E-01	1.6E-07
857	0.23	2.3E-07	1.7E+01	8.6E-04	6.1E-04	9.0E-06	4.7E-02	5.5E-01	2.3E-07
858	0.36	3.6E-07	2.7E+01	8.6E-04	6.1E-04	1.4E-05	4.7E-02	5.5E-01	3.6E-07
859	0.60	6.0E-07	4.4E+01	8.6E-04	6.1E-04	2.3E-05	4.7E-02	5.5E-01	6.0E-07
860	0.86	8.6E-07	6.4E+01	8.6E-04	6.1E-04	3.3E-05	4.7E-02	5.5E-01	8.6E-07
861	0.16	1.6E-07	1.2E+01	8.6E-04	6.1E-04	6.4E-06	4.7E-02	5.5E-01	1.6E-07
862	0.23	2.3E-07	1.7E+01	8.6E-04	6.1E-04	9.0E-06	4.7E-02	5.5E-01	2.3E-07
863	0.35	3.5E-07	2.6E+01	8.6E-04	6.1E-04	1.4E-05	4.7E-02	5.5E-01	3.5E-07
864	0.56	5.6E-07	4.2E+01	8.6E-04	6.1E-04	2.2E-05	4.7E-02	5.5E-01	5.6E-07
865	0.96	9.6E-07	7.1E+01	8.6E-04	6.1E-04	3.7E-05	4.7E-02	5.5E-01	9.6E-07
866	0.07	6.6E-08	4.7E+00	8.6E-04	6.1E-04	2.5E-06	4.7E-02	5.5E-01	6.4E-08
867	0.08	7.5E-08	5.4E+00	8.6E-04	6.1E-04	2.8E-06	4.7E-02	5.5E-01	7.3E-08
868	0.08	8.4E-08	6.1E+00	8.6E-04	6.1E-04	3.2E-06	4.7E-02	5.5E-01	8.2E-08
869	0.09	9.3E-08	6.7E+00	8.6E-04	6.1E-04	3.5E-06	4.7E-02	5.5E-01	9.1E-08
870	0.09	8.8E-08	6.4E+00	8.6E-04	6.1E-04	3.3E-06	4.7E-02	5.5E-01	8.6E-08
871	0.10	9.9E-08	7.2E+00	8.6E-04	6.1E-04	3.8E-06	4.7E-02	5.5E-01	9.7E-08
872	0.11	1.1E-07	8.2E+00	8.6E-04	6.1E-04	4.3E-06	4.7E-02	5.5E-01	1.1E-07

Franklin School Project

Risk From New Building Const - Mitigated School

Haul Route 1A							Haul Route 2A						
Conc	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
2.0E+01	8.0E-07	6.1E-04	9.5E-09	4.7E-02	5.5E-01	2.4E-10	9.9E+00	2.5E-06	6.1E-04	1.5E-08	4.7E-02	5.5E-01	3.9E-10
1.7E+01	8.0E-07	6.1E-04	8.1E-09	4.7E-02	5.5E-01	2.1E-10	9.6E+00	2.5E-06	6.1E-04	1.5E-08	4.7E-02	5.5E-01	3.8E-10
1.6E+01	8.0E-07	6.1E-04	7.8E-09	4.7E-02	5.5E-01	2.0E-10	8.4E+00	2.5E-06	6.1E-04	1.3E-08	4.7E-02	5.5E-01	3.3E-10
1.4E+01	8.0E-07	6.1E-04	6.8E-09	4.7E-02	5.5E-01	1.8E-10	8.2E+00	2.5E-06	6.1E-04	1.2E-08	4.7E-02	5.5E-01	3.2E-10
1.3E+01	8.0E-07	6.1E-04	6.4E-09	4.7E-02	5.5E-01	1.7E-10	7.2E+00	2.5E-06	6.1E-04	1.1E-08	4.7E-02	5.5E-01	2.8E-10
1.2E+01	8.0E-07	6.1E-04	5.8E-09	4.7E-02	5.5E-01	1.5E-10	7.1E+00	2.5E-06	6.1E-04	1.1E-08	4.7E-02	5.5E-01	2.8E-10
1.1E+01	8.0E-07	6.1E-04	5.4E-09	4.7E-02	5.5E-01	1.4E-10	6.2E+00	2.5E-06	6.1E-04	9.5E-09	4.7E-02	5.5E-01	2.4E-10
1.0E+01	8.0E-07	6.1E-04	4.9E-09	4.7E-02	5.5E-01	1.3E-10	6.2E+00	2.5E-06	6.1E-04	9.4E-09	4.7E-02	5.5E-01	2.4E-10
9.5E+00	8.0E-07	6.1E-04	4.6E-09	4.7E-02	5.5E-01	1.2E-10	5.4E+00	2.5E-06	6.1E-04	8.3E-09	4.7E-02	5.5E-01	2.1E-10
8.8E+00	8.0E-07	6.1E-04	4.3E-09	4.7E-02	5.5E-01	1.1E-10	5.4E+00	2.5E-06	6.1E-04	8.2E-09	4.7E-02	5.5E-01	2.1E-10
8.2E+00	8.0E-07	6.1E-04	3.9E-09	4.7E-02	5.5E-01	1.0E-10	4.8E+00	2.5E-06	6.1E-04	7.3E-09	4.7E-02	5.5E-01	1.9E-10
7.7E+00	8.0E-07	6.1E-04	3.7E-09	4.7E-02	5.5E-01	9.6E-11	4.8E+00	2.5E-06	6.1E-04	7.3E-09	4.7E-02	5.5E-01	1.9E-10
7.1E+00	8.0E-07	6.1E-04	3.4E-09	4.7E-02	5.5E-01	8.8E-11	4.3E+00	2.5E-06	6.1E-04	6.5E-09	4.7E-02	5.5E-01	1.7E-10
6.7E+00	8.0E-07	6.1E-04	3.2E-09	4.7E-02	5.5E-01	8.3E-11	4.3E+00	2.5E-06	6.1E-04	6.5E-09	4.7E-02	5.5E-01	1.7E-10
3.2E+01	8.0E-07	6.1E-04	1.5E-08	4.7E-02	5.5E-01	4.0E-10	1.8E+01	2.5E-06	6.1E-04	2.7E-08	4.7E-02	5.5E-01	7.1E-10
6.9E+01	8.0E-07	6.1E-04	3.3E-08	4.7E-02	5.5E-01	8.6E-10	1.8E+01	2.5E-06	6.1E-04	2.8E-08	4.7E-02	5.5E-01	7.2E-10
4.7E+01	8.0E-07	6.1E-04	2.3E-08	4.7E-02	5.5E-01	5.8E-10	1.8E+01	2.5E-06	6.1E-04	2.8E-08	4.7E-02	5.5E-01	7.2E-10
2.2E+01	8.0E-07	6.1E-04	1.0E-08	4.7E-02	5.5E-01	2.7E-10	1.4E+01	2.5E-06	6.1E-04	2.1E-08	4.7E-02	5.5E-01	5.5E-10
5.0E+01	8.0E-07	6.1E-04	2.4E-08	4.7E-02	5.5E-01	6.3E-10	1.4E+01	2.5E-06	6.1E-04	2.2E-08	4.7E-02	5.5E-01	5.7E-10
3.7E+01	8.0E-07	6.1E-04	1.8E-08	4.7E-02	5.5E-01	4.6E-10	1.4E+01	2.5E-06	6.1E-04	2.2E-08	4.7E-02	5.5E-01	5.7E-10
4.4E+01	8.0E-07	6.1E-04	2.1E-08	4.7E-02	5.5E-01	5.5E-10	1.1E+01	2.5E-06	6.1E-04	1.7E-08	4.7E-02	5.5E-01	4.5E-10
3.6E+01	8.0E-07	6.1E-04	1.7E-08	4.7E-02	5.5E-01	4.4E-10	1.2E+01	2.5E-06	6.1E-04	1.8E-08	4.7E-02	5.5E-01	4.6E-10
2.9E+01	8.0E-07	6.1E-04	1.4E-08	4.7E-02	5.5E-01	3.6E-10	1.2E+01	2.5E-06	6.1E-04	1.8E-08	4.7E-02	5.5E-01	4.6E-10
3.0E+01	8.0E-07	6.1E-04	1.4E-08	4.7E-02	5.5E-01	3.7E-10	9.4E+00	2.5E-06	6.1E-04	1.4E-08	4.7E-02	5.5E-01	3.7E-10
2.6E+01	8.0E-07	6.1E-04	1.3E-08	4.7E-02	5.5E-01	3.2E-10	9.7E+00	2.5E-06	6.1E-04	1.5E-08	4.7E-02	5.5E-01	3.8E-10
2.2E+01	8.0E-07	6.1E-04	1.1E-08	4.7E-02	5.5E-01	2.8E-10	9.7E+00	2.5E-06	6.1E-04	1.5E-08	4.7E-02	5.5E-01	3.8E-10
2.2E+01	8.0E-07	6.1E-04	1.0E-08	4.7E-02	5.5E-01	2.7E-10	7.9E+00	2.5E-06	6.1E-04	1.2E-08	4.7E-02	5.5E-01	3.1E-10
2.0E+01	8.0E-07	6.1E-04	9.5E-09	4.7E-02	5.5E-01	2.5E-10	8.1E+00	2.5E-06	6.1E-04	1.2E-08	4.7E-02	5.5E-01	3.2E-10
1.8E+01	8.0E-07	6.1E-04	8.5E-09	4.7E-02	5.5E-01	2.2E-10	8.2E+00	2.5E-06	6.1E-04	1.2E-08	4.7E-02	5.5E-01	3.2E-10
1.7E+01	8.0E-07	6.1E-04	8.3E-09	4.7E-02	5.5E-01	2.2E-10	7.0E+00	2.5E-06	6.1E-04	1.1E-08	4.7E-02	5.5E-01	2.7E-10
1.6E+01	8.0E-07	6.1E-04	7.8E-09	4.7E-02	5.5E-01	2.0E-10	7.1E+00	2.5E-06	6.1E-04	1.1E-08	4.7E-02	5.5E-01	2.8E-10
1.5E+01	8.0E-07	6.1E-04	7.2E-09	4.7E-02	5.5E-01	1.9E-10	7.2E+00	2.5E-06	6.1E-04	1.1E-08	4.7E-02	5.5E-01	2.8E-10
1.4E+01	8.0E-07	6.1E-04	6.6E-09	4.7E-02	5.5E-01	1.7E-10	6.0E+00	2.5E-06	6.1E-04	9.1E-09	4.7E-02	5.5E-01	2.4E-10
1.3E+01	8.0E-07	6.1E-04	6.3E-09	4.7E-02	5.5E-01	1.6E-10	6.1E+00	2.5E-06	6.1E-04	9.3E-09	4.7E-02	5.5E-01	2.4E-10
1.2E+01	8.0E-07	6.1E-04	5.9E-09	4.7E-02	5.5E-01	1.5E-10	6.2E+00	2.5E-06	6.1E-04	9.5E-09	4.7E-02	5.5E-01	2.4E-10
1.1E+01	8.0E-07	6.1E-04	5.3E-09	4.7E-02	5.5E-01	1.4E-10	5.2E+00	2.5E-06	6.1E-04	7.9E-09	4.7E-02	5.5E-01	2.1E-10
1.1E+01	8.0E-07	6.1E-04	5.2E-09	4.7E-02	5.5E-01	1.3E-10	5.4E+00	2.5E-06	6.1E-04	8.1E-09	4.7E-02	5.5E-01	2.1E-10
1.0E+01	8.0E-07	6.1E-04	4.9E-09	4.7E-02	5.5E-01	1.3E-10	5.4E+00	2.5E-06	6.1E-04	8.3E-09	4.7E-02	5.5E-01	2.1E-10
9.1E+00	8.0E-07	6.1E-04	4.4E-09	4.7E-02	5.5E-01	1.1E-10	4.6E+00	2.5E-06	6.1E-04	7.0E-09	4.7E-02	5.5E-01	1.8E-10

8.9E+00	8.0E-07	6.1E-04	4.3E-09	4.7E-02	5.5E-01	1.1E-10	4.7E+00	2.5E-06	6.1E-04	7.2E-09	4.7E-02	5.5E-01	1.8E-10
8.6E+00	8.0E-07	6.1E-04	4.1E-09	4.7E-02	5.5E-01	1.1E-10	4.8E+00	2.5E-06	6.1E-04	7.3E-09	4.7E-02	5.5E-01	1.9E-10
7.7E+00	8.0E-07	6.1E-04	3.7E-09	4.7E-02	5.5E-01	9.6E-11	4.1E+00	2.5E-06	6.1E-04	6.2E-09	4.7E-02	5.5E-01	1.6E-10
7.6E+00	8.0E-07	6.1E-04	3.7E-09	4.7E-02	5.5E-01	9.4E-11	4.2E+00	2.5E-06	6.1E-04	6.3E-09	4.7E-02	5.5E-01	1.6E-10
7.4E+00	8.0E-07	6.1E-04	3.5E-09	4.7E-02	5.5E-01	9.2E-11	4.2E+00	2.5E-06	6.1E-04	6.4E-09	4.7E-02	5.5E-01	1.7E-10
7.2E+00	8.0E-07	6.1E-04	3.5E-09	4.7E-02	5.5E-01	8.9E-11	3.9E+00	2.5E-06	6.1E-04	6.0E-09	4.7E-02	5.5E-01	1.5E-10
7.1E+00	8.0E-07	6.1E-04	3.4E-09	4.7E-02	5.5E-01	8.8E-11	4.0E+00	2.5E-06	6.1E-04	6.1E-09	4.7E-02	5.5E-01	1.6E-10
6.9E+00	8.0E-07	6.1E-04	3.3E-09	4.7E-02	5.5E-01	8.6E-11	4.1E+00	2.5E-06	6.1E-04	6.2E-09	4.7E-02	5.5E-01	1.6E-10
6.6E+00	8.0E-07	6.1E-04	3.2E-09	4.7E-02	5.5E-01	8.2E-11	4.1E+00	2.5E-06	6.1E-04	6.2E-09	4.7E-02	5.5E-01	1.6E-10
6.3E+00	8.0E-07	6.1E-04	3.0E-09	4.7E-02	5.5E-01	7.8E-11	4.1E+00	2.5E-06	6.1E-04	6.2E-09	4.7E-02	5.5E-01	1.6E-10
6.2E+00	8.0E-07	6.1E-04	3.0E-09	4.7E-02	5.5E-01	7.7E-11	3.5E+00	2.5E-06	6.1E-04	5.3E-09	4.7E-02	5.5E-01	1.4E-10
6.1E+00	8.0E-07	6.1E-04	2.9E-09	4.7E-02	5.5E-01	7.6E-11	3.6E+00	2.5E-06	6.1E-04	5.4E-09	4.7E-02	5.5E-01	1.4E-10
6.0E+00	8.0E-07	6.1E-04	2.9E-09	4.7E-02	5.5E-01	7.5E-11	3.6E+00	2.5E-06	6.1E-04	5.5E-09	4.7E-02	5.5E-01	1.4E-10
5.8E+00	8.0E-07	6.1E-04	2.8E-09	4.7E-02	5.5E-01	7.2E-11	3.7E+00	2.5E-06	6.1E-04	5.6E-09	4.7E-02	5.5E-01	1.4E-10
5.6E+00	8.0E-07	6.1E-04	2.7E-09	4.7E-02	5.5E-01	6.9E-11	3.7E+00	2.5E-06	6.1E-04	5.6E-09	4.7E-02	5.5E-01	1.4E-10
5.4E+00	8.0E-07	6.1E-04	2.6E-09	4.7E-02	5.5E-01	6.7E-11	3.2E+00	2.5E-06	6.1E-04	4.8E-09	4.7E-02	5.5E-01	1.2E-10
5.3E+00	8.0E-07	6.1E-04	2.6E-09	4.7E-02	5.5E-01	6.7E-11	3.2E+00	2.5E-06	6.1E-04	4.9E-09	4.7E-02	5.5E-01	1.3E-10
5.3E+00	8.0E-07	6.1E-04	2.5E-09	4.7E-02	5.5E-01	6.5E-11	3.3E+00	2.5E-06	6.1E-04	5.0E-09	4.7E-02	5.5E-01	1.3E-10
5.1E+00	8.0E-07	6.1E-04	2.5E-09	4.7E-02	5.5E-01	6.4E-11	3.3E+00	2.5E-06	6.1E-04	5.0E-09	4.7E-02	5.5E-01	1.3E-10
5.0E+00	8.0E-07	6.1E-04	2.4E-09	4.7E-02	5.5E-01	6.2E-11	3.3E+00	2.5E-06	6.1E-04	5.0E-09	4.7E-02	5.5E-01	1.3E-10
4.6E+01	8.0E-07	6.1E-04	2.2E-08	4.7E-02	5.5E-01	5.7E-10	1.9E+01	2.5E-06	6.1E-04	2.9E-08	4.7E-02	5.5E-01	7.5E-10
3.7E+01	8.0E-07	6.1E-04	1.8E-08	4.7E-02	5.5E-01	4.6E-10	1.5E+01	2.5E-06	6.1E-04	2.3E-08	4.7E-02	5.5E-01	5.9E-10
2.9E+01	8.0E-07	6.1E-04	1.4E-08	4.7E-02	5.5E-01	3.6E-10	1.5E+01	2.5E-06	6.1E-04	2.2E-08	4.7E-02	5.5E-01	5.7E-10
2.3E+01	8.0E-07	6.1E-04	1.1E-08	4.7E-02	5.5E-01	2.9E-10	1.4E+01	2.5E-06	6.1E-04	2.1E-08	4.7E-02	5.5E-01	5.4E-10
2.9E+01	8.0E-07	6.1E-04	1.4E-08	4.7E-02	5.5E-01	3.6E-10	1.2E+01	2.5E-06	6.1E-04	1.9E-08	4.7E-02	5.5E-01	4.8E-10
2.4E+01	8.0E-07	6.1E-04	1.1E-08	4.7E-02	5.5E-01	2.9E-10	1.2E+01	2.5E-06	6.1E-04	1.8E-08	4.7E-02	5.5E-01	4.7E-10
2.0E+01	8.0E-07	6.1E-04	9.4E-09	4.7E-02	5.5E-01	2.4E-10	1.1E+01	2.5E-06	6.1E-04	1.7E-08	4.7E-02	5.5E-01	4.5E-10

Franklin School Project

Risk From New Building Const - Mitigated School

Haul Route 1A							Haul Route 2A						
Conc	g/sec	D1	Dose	R1	ED	Risk	Conc	g/sec	D1	Dose	R1	ED	Risk
9.9E+00	5.2E-06	6.1E-04	3.1E-08	4.7E-02	5.5E-01	8.0E-10	8.5E-01	5.5E-07	6.1E-04	2.8E-10	4.7E-02	5.5E-01	7.4E-12
9.6E+00	5.2E-06	6.1E-04	3.0E-08	4.7E-02	5.5E-01	7.8E-10	8.3E-01	5.5E-07	6.1E-04	2.8E-10	4.7E-02	5.5E-01	7.2E-12
8.4E+00	5.2E-06	6.1E-04	2.6E-08	4.7E-02	5.5E-01	6.8E-10	8.2E-01	5.5E-07	6.1E-04	2.7E-10	4.7E-02	5.5E-01	7.1E-12
8.2E+00	5.2E-06	6.1E-04	2.6E-08	4.7E-02	5.5E-01	6.6E-10	8.0E-01	5.5E-07	6.1E-04	2.7E-10	4.7E-02	5.5E-01	6.9E-12
7.2E+00	5.2E-06	6.1E-04	2.2E-08	4.7E-02	5.5E-01	5.8E-10	7.8E-01	5.5E-07	6.1E-04	2.6E-10	4.7E-02	5.5E-01	6.8E-12
7.1E+00	5.2E-06	6.1E-04	2.2E-08	4.7E-02	5.5E-01	5.7E-10	7.7E-01	5.5E-07	6.1E-04	2.6E-10	4.7E-02	5.5E-01	6.6E-12
6.2E+00	5.2E-06	6.1E-04	1.9E-08	4.7E-02	5.5E-01	5.0E-10	7.5E-01	5.5E-07	6.1E-04	2.5E-10	4.7E-02	5.5E-01	6.5E-12
6.2E+00	5.2E-06	6.1E-04	1.9E-08	4.7E-02	5.5E-01	5.0E-10	7.4E-01	5.5E-07	6.1E-04	2.5E-10	4.7E-02	5.5E-01	6.4E-12
5.4E+00	5.2E-06	6.1E-04	1.7E-08	4.7E-02	5.5E-01	4.4E-10	7.2E-01	5.5E-07	6.1E-04	2.4E-10	4.7E-02	5.5E-01	6.3E-12
5.4E+00	5.2E-06	6.1E-04	1.7E-08	4.7E-02	5.5E-01	4.4E-10	7.1E-01	5.5E-07	6.1E-04	2.4E-10	4.7E-02	5.5E-01	6.2E-12
4.8E+00	5.2E-06	6.1E-04	1.5E-08	4.7E-02	5.5E-01	3.9E-10	7.0E-01	5.5E-07	6.1E-04	2.3E-10	4.7E-02	5.5E-01	6.0E-12
4.8E+00	5.2E-06	6.1E-04	1.5E-08	4.7E-02	5.5E-01	3.9E-10	6.8E-01	5.5E-07	6.1E-04	2.3E-10	4.7E-02	5.5E-01	5.9E-12
4.3E+00	5.2E-06	6.1E-04	1.3E-08	4.7E-02	5.5E-01	3.4E-10	6.7E-01	5.5E-07	6.1E-04	2.3E-10	4.7E-02	5.5E-01	5.8E-12
4.3E+00	5.2E-06	6.1E-04	1.3E-08	4.7E-02	5.5E-01	3.4E-10	6.6E-01	5.5E-07	6.1E-04	2.2E-10	4.7E-02	5.5E-01	5.7E-12
1.8E+01	5.2E-06	6.1E-04	5.6E-08	4.7E-02	5.5E-01	1.5E-09	1.0E+00	5.5E-07	6.1E-04	3.4E-10	4.7E-02	5.5E-01	8.9E-12
1.8E+01	5.2E-06	6.1E-04	5.7E-08	4.7E-02	5.5E-01	1.5E-09	1.0E+00	5.5E-07	6.1E-04	3.4E-10	4.7E-02	5.5E-01	8.7E-12
1.8E+01	5.2E-06	6.1E-04	5.7E-08	4.7E-02	5.5E-01	1.5E-09	9.8E-01	5.5E-07	6.1E-04	3.3E-10	4.7E-02	5.5E-01	8.5E-12
1.4E+01	5.2E-06	6.1E-04	4.4E-08	4.7E-02	5.5E-01	1.1E-09	9.8E-01	5.5E-07	6.1E-04	3.3E-10	4.7E-02	5.5E-01	8.5E-12
1.4E+01	5.2E-06	6.1E-04	4.5E-08	4.7E-02	5.5E-01	1.2E-09	9.6E-01	5.5E-07	6.1E-04	3.2E-10	4.7E-02	5.5E-01	8.3E-12
1.4E+01	5.2E-06	6.1E-04	4.5E-08	4.7E-02	5.5E-01	1.2E-09	9.4E-01	5.5E-07	6.1E-04	3.1E-10	4.7E-02	5.5E-01	8.1E-12
1.1E+01	5.2E-06	6.1E-04	3.6E-08	4.7E-02	5.5E-01	9.2E-10	9.4E-01	5.5E-07	6.1E-04	3.1E-10	4.7E-02	5.5E-01	8.1E-12
1.2E+01	5.2E-06	6.1E-04	3.7E-08	4.7E-02	5.5E-01	9.4E-10	9.2E-01	5.5E-07	6.1E-04	3.1E-10	4.7E-02	5.5E-01	8.0E-12
1.2E+01	5.2E-06	6.1E-04	3.7E-08	4.7E-02	5.5E-01	9.5E-10	9.0E-01	5.5E-07	6.1E-04	3.0E-10	4.7E-02	5.5E-01	7.8E-12
9.4E+00	5.2E-06	6.1E-04	2.9E-08	4.7E-02	5.5E-01	7.6E-10	9.0E-01	5.5E-07	6.1E-04	3.0E-10	4.7E-02	5.5E-01	7.8E-12
9.7E+00	5.2E-06	6.1E-04	3.0E-08	4.7E-02	5.5E-01	7.8E-10	8.8E-01	5.5E-07	6.1E-04	2.9E-10	4.7E-02	5.5E-01	7.6E-12
9.7E+00	5.2E-06	6.1E-04	3.0E-08	4.7E-02	5.5E-01	7.8E-10	8.6E-01	5.5E-07	6.1E-04	2.9E-10	4.7E-02	5.5E-01	7.5E-12
7.9E+00	5.2E-06	6.1E-04	2.5E-08	4.7E-02	5.5E-01	6.4E-10	8.6E-01	5.5E-07	6.1E-04	2.9E-10	4.7E-02	5.5E-01	7.4E-12
8.1E+00	5.2E-06	6.1E-04	2.5E-08	4.7E-02	5.5E-01	6.5E-10	8.4E-01	5.5E-07	6.1E-04	2.8E-10	4.7E-02	5.5E-01	7.3E-12
8.2E+00	5.2E-06	6.1E-04	2.6E-08	4.7E-02	5.5E-01	6.6E-10	8.3E-01	5.5E-07	6.1E-04	2.8E-10	4.7E-02	5.5E-01	7.2E-12
7.0E+00	5.2E-06	6.1E-04	2.2E-08	4.7E-02	5.5E-01	5.6E-10	8.3E-01	5.5E-07	6.1E-04	2.8E-10	4.7E-02	5.5E-01	7.2E-12
7.1E+00	5.2E-06	6.1E-04	2.2E-08	4.7E-02	5.5E-01	5.7E-10	8.1E-01	5.5E-07	6.1E-04	2.7E-10	4.7E-02	5.5E-01	7.1E-12
7.2E+00	5.2E-06	6.1E-04	2.3E-08	4.7E-02	5.5E-01	5.8E-10	8.0E-01	5.5E-07	6.1E-04	2.7E-10	4.7E-02	5.5E-01	6.9E-12
6.0E+00	5.2E-06	6.1E-04	1.9E-08	4.7E-02	5.5E-01	4.8E-10	7.9E-01	5.5E-07	6.1E-04	2.7E-10	4.7E-02	5.5E-01	6.9E-12
6.1E+00	5.2E-06	6.1E-04	1.9E-08	4.7E-02	5.5E-01	5.0E-10	7.8E-01	5.5E-07	6.1E-04	2.6E-10	4.7E-02	5.5E-01	6.8E-12
6.2E+00	5.2E-06	6.1E-04	1.9E-08	4.7E-02	5.5E-01	5.0E-10	7.7E-01	5.5E-07	6.1E-04	2.6E-10	4.7E-02	5.5E-01	6.7E-12
5.2E+00	5.2E-06	6.1E-04	1.6E-08	4.7E-02	5.5E-01	4.2E-10	7.6E-01	5.5E-07	6.1E-04	2.6E-10	4.7E-02	5.5E-01	6.6E-12
5.4E+00	5.2E-06	6.1E-04	1.7E-08	4.7E-02	5.5E-01	4.3E-10	7.5E-01	5.5E-07	6.1E-04	2.5E-10	4.7E-02	5.5E-01	6.5E-12
5.4E+00	5.2E-06	6.1E-04	1.7E-08	4.7E-02	5.5E-01	4.4E-10	7.4E-01	5.5E-07	6.1E-04	2.5E-10	4.7E-02	5.5E-01	6.4E-12
4.6E+00	5.2E-06	6.1E-04	1.4E-08	4.7E-02	5.5E-01	3.7E-10	7.3E-01	5.5E-07	6.1E-04	2.5E-10	4.7E-02	5.5E-01	6.3E-12

4.7E+00	5.2E-06	6.1E-04	1.5E-08	4.7E-02	5.5E-01	3.8E-10	7.2E-01	5.5E-07	6.1E-04	2.4E-10	4.7E-02	5.5E-01	6.3E-12
4.8E+00	5.2E-06	6.1E-04	1.5E-08	4.7E-02	5.5E-01	3.9E-10	7.1E-01	5.5E-07	6.1E-04	2.4E-10	4.7E-02	5.5E-01	6.2E-12
4.1E+00	5.2E-06	6.1E-04	1.3E-08	4.7E-02	5.5E-01	3.3E-10	7.0E-01	5.5E-07	6.1E-04	2.4E-10	4.7E-02	5.5E-01	6.1E-12
4.2E+00	5.2E-06	6.1E-04	1.3E-08	4.7E-02	5.5E-01	3.4E-10	6.9E-01	5.5E-07	6.1E-04	2.3E-10	4.7E-02	5.5E-01	6.0E-12
4.2E+00	5.2E-06	6.1E-04	1.3E-08	4.7E-02	5.5E-01	3.4E-10	6.8E-01	5.5E-07	6.1E-04	2.3E-10	4.7E-02	5.5E-01	5.9E-12
3.9E+00	5.2E-06	6.1E-04	1.2E-08	4.7E-02	5.5E-01	3.2E-10	6.9E-01	5.5E-07	6.1E-04	2.3E-10	4.7E-02	5.5E-01	6.0E-12
4.0E+00	5.2E-06	6.1E-04	1.2E-08	4.7E-02	5.5E-01	3.2E-10	6.8E-01	5.5E-07	6.1E-04	2.3E-10	4.7E-02	5.5E-01	5.9E-12
4.1E+00	5.2E-06	6.1E-04	1.3E-08	4.7E-02	5.5E-01	3.3E-10	6.7E-01	5.5E-07	6.1E-04	2.2E-10	4.7E-02	5.5E-01	5.8E-12
4.1E+00	5.2E-06	6.1E-04	1.3E-08	4.7E-02	5.5E-01	3.3E-10	6.6E-01	5.5E-07	6.1E-04	2.2E-10	4.7E-02	5.5E-01	5.7E-12
4.1E+00	5.2E-06	6.1E-04	1.3E-08	4.7E-02	5.5E-01	3.3E-10	6.5E-01	5.5E-07	6.1E-04	2.2E-10	4.7E-02	5.5E-01	5.6E-12
3.5E+00	5.2E-06	6.1E-04	1.1E-08	4.7E-02	5.5E-01	2.8E-10	6.6E-01	5.5E-07	6.1E-04	2.2E-10	4.7E-02	5.5E-01	5.8E-12
3.6E+00	5.2E-06	6.1E-04	1.1E-08	4.7E-02	5.5E-01	2.9E-10	6.5E-01	5.5E-07	6.1E-04	2.2E-10	4.7E-02	5.5E-01	5.7E-12
3.6E+00	5.2E-06	6.1E-04	1.1E-08	4.7E-02	5.5E-01	2.9E-10	6.5E-01	5.5E-07	6.1E-04	2.2E-10	4.7E-02	5.5E-01	5.6E-12
3.7E+00	5.2E-06	6.1E-04	1.1E-08	4.7E-02	5.5E-01	2.9E-10	6.4E-01	5.5E-07	6.1E-04	2.1E-10	4.7E-02	5.5E-01	5.5E-12
3.7E+00	5.2E-06	6.1E-04	1.1E-08	4.7E-02	5.5E-01	2.9E-10	6.2E-01	5.5E-07	6.1E-04	2.1E-10	4.7E-02	5.5E-01	5.4E-12
3.2E+00	5.2E-06	6.1E-04	9.9E-09	4.7E-02	5.5E-01	2.5E-10	6.4E-01	5.5E-07	6.1E-04	2.1E-10	4.7E-02	5.5E-01	5.5E-12
3.2E+00	5.2E-06	6.1E-04	1.0E-08	4.7E-02	5.5E-01	2.6E-10	6.3E-01	5.5E-07	6.1E-04	2.1E-10	4.7E-02	5.5E-01	5.5E-12
3.3E+00	5.2E-06	6.1E-04	1.0E-08	4.7E-02	5.5E-01	2.6E-10	6.2E-01	5.5E-07	6.1E-04	2.1E-10	4.7E-02	5.5E-01	5.4E-12
3.3E+00	5.2E-06	6.1E-04	1.0E-08	4.7E-02	5.5E-01	2.7E-10	6.1E-01	5.5E-07	6.1E-04	2.1E-10	4.7E-02	5.5E-01	5.3E-12
3.3E+00	5.2E-06	6.1E-04	1.0E-08	4.7E-02	5.5E-01	2.7E-10	6.0E-01	5.5E-07	6.1E-04	2.0E-10	4.7E-02	5.5E-01	5.2E-12
1.9E+01	5.2E-06	6.1E-04	6.0E-08	4.7E-02	5.5E-01	1.5E-09	9.9E-01	5.5E-07	6.1E-04	3.3E-10	4.7E-02	5.5E-01	8.5E-12
1.5E+01	5.2E-06	6.1E-04	4.7E-08	4.7E-02	5.5E-01	1.2E-09	9.4E-01	5.5E-07	6.1E-04	3.2E-10	4.7E-02	5.5E-01	8.2E-12
1.5E+01	5.2E-06	6.1E-04	4.6E-08	4.7E-02	5.5E-01	1.2E-09	9.2E-01	5.5E-07	6.1E-04	3.1E-10	4.7E-02	5.5E-01	8.0E-12
1.4E+01	5.2E-06	6.1E-04	4.3E-08	4.7E-02	5.5E-01	1.1E-09	9.0E-01	5.5E-07	6.1E-04	3.0E-10	4.7E-02	5.5E-01	7.8E-12
1.2E+01	5.2E-06	6.1E-04	3.8E-08	4.7E-02	5.5E-01	9.8E-10	9.0E-01	5.5E-07	6.1E-04	3.0E-10	4.7E-02	5.5E-01	7.8E-12
1.2E+01	5.2E-06	6.1E-04	3.7E-08	4.7E-02	5.5E-01	9.6E-10	8.8E-01	5.5E-07	6.1E-04	3.0E-10	4.7E-02	5.5E-01	7.7E-12
1.1E+01	5.2E-06	6.1E-04	3.6E-08	4.7E-02	5.5E-01	9.2E-10	8.6E-01	5.5E-07	6.1E-04	2.9E-10	4.7E-02	5.5E-01	7.5E-12

Risk From New Building AC - Mitigated School

Franklin School Project

Risk From New Building AC - Mitigated School

	0.01	Max					Onsite		
816	0.00	3.4E-09	2.9E+01	1.5E-04	6.1E-04	2.7E-06	4.7E-02	2.7E-02	3.4E-09
Receptor #	**Total/ Million**	**Total**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
807	0.00	1.0E-09	8.6E+00	1.5E-04	6.1E-04	7.8E-07	4.7E-02	2.7E-02	1.0E-09
808	0.00	1.2E-09	9.9E+00	1.5E-04	6.1E-04	9.0E-07	4.7E-02	2.7E-02	1.2E-09
809	0.00	1.2E-09	1.1E+01	1.5E-04	6.1E-04	9.6E-07	4.7E-02	2.7E-02	1.2E-09
810	0.00	1.5E-09	1.2E+01	1.5E-04	6.1E-04	1.1E-06	4.7E-02	2.7E-02	1.5E-09
811	0.00	1.5E-09	1.3E+01	1.5E-04	6.1E-04	1.2E-06	4.7E-02	2.7E-02	1.5E-09
812	0.00	1.9E-09	1.6E+01	1.5E-04	6.1E-04	1.5E-06	4.7E-02	2.7E-02	1.9E-09
813	0.00	2.0E-09	1.7E+01	1.5E-04	6.1E-04	1.5E-06	4.7E-02	2.7E-02	2.0E-09
814	0.00	2.5E-09	2.1E+01	1.5E-04	6.1E-04	1.9E-06	4.7E-02	2.7E-02	2.5E-09
815	0.00	2.5E-09	2.1E+01	1.5E-04	6.1E-04	1.9E-06	4.7E-02	2.7E-02	2.5E-09
817	0.00	3.2E-09	2.8E+01	1.5E-04	6.1E-04	2.5E-06	4.7E-02	2.7E-02	3.2E-09
818	0.00	4.8E-09	4.1E+01	1.5E-04	6.1E-04	3.7E-06	4.7E-02	2.7E-02	4.8E-09
819	0.00	4.0E-09	3.4E+01	1.5E-04	6.1E-04	3.1E-06	4.7E-02	2.7E-02	4.0E-09
820	0.01	6.7E-09	5.7E+01	1.5E-04	6.1E-04	5.2E-06	4.7E-02	2.7E-02	6.7E-09
821	0.00	4.6E-10	3.9E+00	1.5E-04	6.1E-04	3.5E-07	4.7E-02	2.7E-02	4.6E-10
822	0.00	5.0E-10	4.3E+00	1.5E-04	6.1E-04	3.9E-07	4.7E-02	2.7E-02	5.0E-10
823	0.00	5.5E-10	4.7E+00	1.5E-04	6.1E-04	4.3E-07	4.7E-02	2.7E-02	5.5E-10
824	0.00	5.1E-10	4.4E+00	1.5E-04	6.1E-04	4.0E-07	4.7E-02	2.7E-02	5.1E-10
825	0.00	5.7E-10	4.9E+00	1.5E-04	6.1E-04	4.4E-07	4.7E-02	2.7E-02	5.7E-10
826	0.00	6.4E-10	5.5E+00	1.5E-04	6.1E-04	5.0E-07	4.7E-02	2.7E-02	6.4E-10
827	0.00	5.8E-10	5.0E+00	1.5E-04	6.1E-04	4.5E-07	4.7E-02	2.7E-02	5.8E-10
828	0.00	6.6E-10	5.7E+00	1.5E-04	6.1E-04	5.1E-07	4.7E-02	2.7E-02	6.6E-10
829	0.00	7.5E-10	6.4E+00	1.5E-04	6.1E-04	5.8E-07	4.7E-02	2.7E-02	7.5E-10
830	0.00	6.6E-10	5.6E+00	1.5E-04	6.1E-04	5.1E-07	4.7E-02	2.7E-02	6.6E-10
831	0.00	7.7E-10	6.5E+00	1.5E-04	6.1E-04	5.9E-07	4.7E-02	2.7E-02	7.7E-10
832	0.00	8.9E-10	7.6E+00	1.5E-04	6.1E-04	6.9E-07	4.7E-02	2.7E-02	8.9E-10
833	0.00	7.5E-10	6.4E+00	1.5E-04	6.1E-04	5.8E-07	4.7E-02	2.7E-02	7.5E-10
834	0.00	8.9E-10	7.6E+00	1.5E-04	6.1E-04	6.9E-07	4.7E-02	2.7E-02	8.9E-10
835	0.00	1.1E-09	9.1E+00	1.5E-04	6.1E-04	8.3E-07	4.7E-02	2.7E-02	1.1E-09
836	0.00	8.4E-10	7.1E+00	1.5E-04	6.1E-04	6.5E-07	4.7E-02	2.7E-02	8.4E-10
837	0.00	1.0E-09	8.5E+00	1.5E-04	6.1E-04	7.7E-07	4.7E-02	2.7E-02	1.0E-09
838	0.00	1.2E-09	1.1E+01	1.5E-04	6.1E-04	9.5E-07	4.7E-02	2.7E-02	1.2E-09
839	0.00	9.5E-10	8.1E+00	1.5E-04	6.1E-04	7.4E-07	4.7E-02	2.7E-02	9.5E-10
840	0.00	1.2E-09	9.9E+00	1.5E-04	6.1E-04	9.0E-07	4.7E-02	2.7E-02	1.2E-09
841	0.00	1.5E-09	1.3E+01	1.5E-04	6.1E-04	1.1E-06	4.7E-02	2.7E-02	1.5E-09
842	0.00	1.1E-09	9.1E+00	1.5E-04	6.1E-04	8.2E-07	4.7E-02	2.7E-02	1.1E-09
843	0.00	1.4E-09	1.2E+01	1.5E-04	6.1E-04	1.1E-06	4.7E-02	2.7E-02	1.4E-09
844	0.00	1.8E-09	1.5E+01	1.5E-04	6.1E-04	1.4E-06	4.7E-02	2.7E-02	1.8E-09
845	0.00	1.2E-09	9.9E+00	1.5E-04	6.1E-04	9.0E-07	4.7E-02	2.7E-02	1.2E-09

846	0.00	1.5E-09	1.3E+01	1.5E-04	6.1E-04	1.2E-06	4.7E-02	2.7E-02	1.5E-09
847	0.00	2.2E-09	1.8E+01	1.5E-04	6.1E-04	1.7E-06	4.7E-02	2.7E-02	2.2E-09
848	0.00	1.2E-09	1.1E+01	1.5E-04	6.1E-04	9.7E-07	4.7E-02	2.7E-02	1.2E-09
849	0.00	1.7E-09	1.4E+01	1.5E-04	6.1E-04	1.3E-06	4.7E-02	2.7E-02	1.7E-09
850	0.00	2.5E-09	2.1E+01	1.5E-04	6.1E-04	1.9E-06	4.7E-02	2.7E-02	2.5E-09
851	0.00	1.4E-09	1.2E+01	1.5E-04	6.1E-04	1.1E-06	4.7E-02	2.7E-02	1.4E-09
852	0.00	2.0E-09	1.7E+01	1.5E-04	6.1E-04	1.5E-06	4.7E-02	2.7E-02	2.0E-09
853	0.00	3.0E-09	2.5E+01	1.5E-04	6.1E-04	2.3E-06	4.7E-02	2.7E-02	3.0E-09
854	0.00	4.7E-09	4.0E+01	1.5E-04	6.1E-04	3.6E-06	4.7E-02	2.7E-02	4.7E-09
855	0.01	6.6E-09	5.6E+01	1.5E-04	6.1E-04	5.1E-06	4.7E-02	2.7E-02	6.6E-09
856	0.00	1.4E-09	1.2E+01	1.5E-04	6.1E-04	1.1E-06	4.7E-02	2.7E-02	1.4E-09
857	0.00	2.0E-09	1.7E+01	1.5E-04	6.1E-04	1.6E-06	4.7E-02	2.7E-02	2.0E-09
858	0.00	3.1E-09	2.7E+01	1.5E-04	6.1E-04	2.4E-06	4.7E-02	2.7E-02	3.1E-09
859	0.01	5.2E-09	4.4E+01	1.5E-04	6.1E-04	4.0E-06	4.7E-02	2.7E-02	5.2E-09
860	0.01	7.5E-09	6.4E+01	1.5E-04	6.1E-04	5.8E-06	4.7E-02	2.7E-02	7.5E-09
861	0.00	1.4E-09	1.2E+01	1.5E-04	6.1E-04	1.1E-06	4.7E-02	2.7E-02	1.4E-09
862	0.00	2.0E-09	1.7E+01	1.5E-04	6.1E-04	1.6E-06	4.7E-02	2.7E-02	2.0E-09
863	0.00	3.0E-09	2.6E+01	1.5E-04	6.1E-04	2.4E-06	4.7E-02	2.7E-02	3.0E-09
864	0.00	4.9E-09	4.2E+01	1.5E-04	6.1E-04	3.8E-06	4.7E-02	2.7E-02	4.9E-09
865	0.01	8.3E-09	7.1E+01	1.5E-04	6.1E-04	6.5E-06	4.7E-02	2.7E-02	8.3E-09
866	0.00	5.5E-10	4.7E+00	1.5E-04	6.1E-04	4.3E-07	4.7E-02	2.7E-02	5.5E-10
867	0.00	6.4E-10	5.4E+00	1.5E-04	6.1E-04	4.9E-07	4.7E-02	2.7E-02	6.4E-10
868	0.00	7.1E-10	6.1E+00	1.5E-04	6.1E-04	5.5E-07	4.7E-02	2.7E-02	7.1E-10
869	0.00	7.9E-10	6.7E+00	1.5E-04	6.1E-04	6.1E-07	4.7E-02	2.7E-02	7.9E-10
870	0.00	7.5E-10	6.4E+00	1.5E-04	6.1E-04	5.8E-07	4.7E-02	2.7E-02	7.5E-10
871	0.00	8.5E-10	7.2E+00	1.5E-04	6.1E-04	6.6E-07	4.7E-02	2.7E-02	8.5E-10
872	0.00	9.6E-10	8.2E+00	1.5E-04	6.1E-04	7.5E-07	4.7E-02	2.7E-02	9.6E-10

Risk From New Building Pav - Mitigated School

Franklin School Project

Risk From New Building Pav - Mitigated School

0.03	Max

Onsite

Receptor #	Total/ Million	Total	Conc	g/sec	D1	Dose	R1	ED	Risk
807	0.02	2.3E-08	4.1E+01	7.2E-04	6.1E-04	1.8E-05	4.7E-02	2.7E-02	2.3E-08
808	0.03	2.6E-08	4.7E+01	7.2E-04	6.1E-04	2.0E-05	4.7E-02	2.7E-02	2.6E-08
809	0.02	1.9E-08	3.4E+01	7.2E-04	6.1E-04	1.5E-05	4.7E-02	2.7E-02	1.9E-08
810	0.03	2.6E-08	4.6E+01	7.2E-04	6.1E-04	2.0E-05	4.7E-02	2.7E-02	2.6E-08
811	0.02	2.4E-08	4.2E+01	7.2E-04	6.1E-04	1.8E-05	4.7E-02	2.7E-02	2.4E-08
812	0.03	3.1E-08	5.6E+01	7.2E-04	6.1E-04	2.4E-05	4.7E-02	2.7E-02	3.1E-08
813	0.02	2.5E-08	4.4E+01	7.2E-04	6.1E-04	1.9E-05	4.7E-02	2.7E-02	2.5E-08
814	0.03	3.1E-08	5.4E+01	7.2E-04	6.1E-04	2.4E-05	4.7E-02	2.7E-02	3.1E-08
815	0.02	2.4E-08	4.3E+01	7.2E-04	6.1E-04	1.9E-05	4.7E-02	2.7E-02	2.4E-08
816	0.03	3.0E-08	5.4E+01	7.2E-04	6.1E-04	2.4E-05	4.7E-02	2.7E-02	3.0E-08
817	0.02	2.2E-08	3.9E+01	7.2E-04	6.1E-04	1.7E-05	4.7E-02	2.7E-02	2.2E-08
818	0.03	3.0E-08	5.4E+01	7.2E-04	6.1E-04	2.4E-05	4.7E-02	2.7E-02	3.0E-08
819	0.02	2.1E-08	3.7E+01	7.2E-04	6.1E-04	1.6E-05	4.7E-02	2.7E-02	2.1E-08
820	0.03	2.8E-08	4.9E+01	7.2E-04	6.1E-04	2.1E-05	4.7E-02	2.7E-02	2.8E-08
821	0.01	6.2E-09	1.1E+01	7.2E-04	6.1E-04	4.8E-06	4.7E-02	2.7E-02	6.2E-09
822	0.01	7.8E-09	1.4E+01	7.2E-04	6.1E-04	6.0E-06	4.7E-02	2.7E-02	7.8E-09
823	0.01	1.0E-08	1.8E+01	7.2E-04	6.1E-04	7.8E-06	4.7E-02	2.7E-02	1.0E-08
824	0.01	7.3E-09	1.3E+01	7.2E-04	6.1E-04	5.7E-06	4.7E-02	2.7E-02	7.3E-09
825	0.01	9.8E-09	1.7E+01	7.2E-04	6.1E-04	7.6E-06	4.7E-02	2.7E-02	9.8E-09
826	0.01	1.4E-08	2.4E+01	7.2E-04	6.1E-04	1.0E-05	4.7E-02	2.7E-02	1.4E-08
827	0.01	8.8E-09	1.6E+01	7.2E-04	6.1E-04	6.8E-06	4.7E-02	2.7E-02	8.8E-09
828	0.01	1.3E-08	2.3E+01	7.2E-04	6.1E-04	9.9E-06	4.7E-02	2.7E-02	1.3E-08
829	0.02	1.5E-08	2.7E+01	7.2E-04	6.1E-04	1.2E-05	4.7E-02	2.7E-02	1.5E-08
830	0.01	1.0E-08	1.8E+01	7.2E-04	6.1E-04	7.8E-06	4.7E-02	2.7E-02	1.0E-08
831	0.02	1.5E-08	2.7E+01	7.2E-04	6.1E-04	1.2E-05	4.7E-02	2.7E-02	1.5E-08
832	0.02	1.6E-08	2.8E+01	7.2E-04	6.1E-04	1.2E-05	4.7E-02	2.7E-02	1.6E-08
833	0.01	1.1E-08	2.0E+01	7.2E-04	6.1E-04	8.5E-06	4.7E-02	2.7E-02	1.1E-08
834	0.02	1.7E-08	3.0E+01	7.2E-04	6.1E-04	1.3E-05	4.7E-02	2.7E-02	1.7E-08
835	0.02	1.5E-08	2.7E+01	7.2E-04	6.1E-04	1.2E-05	4.7E-02	2.7E-02	1.5E-08
836	0.01	1.1E-08	2.0E+01	7.2E-04	6.1E-04	8.8E-06	4.7E-02	2.7E-02	1.1E-08
837	0.02	1.7E-08	3.0E+01	7.2E-04	6.1E-04	1.3E-05	4.7E-02	2.7E-02	1.7E-08
838	0.02	1.9E-08	3.3E+01	7.2E-04	6.1E-04	1.5E-05	4.7E-02	2.7E-02	1.9E-08
839	0.01	1.2E-08	2.1E+01	7.2E-04	6.1E-04	9.0E-06	4.7E-02	2.7E-02	1.2E-08
840	0.02	1.7E-08	3.1E+01	7.2E-04	6.1E-04	1.3E-05	4.7E-02	2.7E-02	1.7E-08
841	0.02	2.0E-08	3.5E+01	7.2E-04	6.1E-04	1.5E-05	4.7E-02	2.7E-02	2.0E-08
842	0.01	1.2E-08	2.1E+01	7.2E-04	6.1E-04	9.0E-06	4.7E-02	2.7E-02	1.2E-08
843	0.02	1.5E-08	2.7E+01	7.2E-04	6.1E-04	1.2E-05	4.7E-02	2.7E-02	1.5E-08
844	0.02	1.9E-08	3.4E+01	7.2E-04	6.1E-04	1.5E-05	4.7E-02	2.7E-02	1.9E-08
845	0.01	1.1E-08	2.0E+01	7.2E-04	6.1E-04	8.6E-06	4.7E-02	2.7E-02	1.1E-08

846	0.02	1.7E-08	3.1E+01	7.2E-04	6.1E-04	1.3E-05	4.7E-02	2.7E-02	1.7E-08
847	0.02	1.8E-08	3.2E+01	7.2E-04	6.1E-04	1.4E-05	4.7E-02	2.7E-02	1.8E-08
848	0.01	9.9E-09	1.8E+01	7.2E-04	6.1E-04	7.7E-06	4.7E-02	2.7E-02	9.9E-09
849	0.01	1.5E-08	2.6E+01	7.2E-04	6.1E-04	1.1E-05	4.7E-02	2.7E-02	1.5E-08
850	0.02	1.7E-08	3.1E+01	7.2E-04	6.1E-04	1.3E-05	4.7E-02	2.7E-02	1.7E-08
851	0.01	1.0E-08	1.9E+01	7.2E-04	6.1E-04	8.1E-06	4.7E-02	2.7E-02	1.0E-08
852	0.02	1.5E-08	2.7E+01	7.2E-04	6.1E-04	1.2E-05	4.7E-02	2.7E-02	1.5E-08
853	0.02	1.8E-08	3.1E+01	7.2E-04	6.1E-04	1.4E-05	4.7E-02	2.7E-02	1.8E-08
854	0.02	2.4E-08	4.3E+01	7.2E-04	6.1E-04	1.9E-05	4.7E-02	2.7E-02	2.4E-08
855	0.02	2.2E-08	4.0E+01	7.2E-04	6.1E-04	1.7E-05	4.7E-02	2.7E-02	2.2E-08
856	0.01	8.9E-09	1.6E+01	7.2E-04	6.1E-04	6.9E-06	4.7E-02	2.7E-02	8.9E-09
857	0.01	1.2E-08	2.1E+01	7.2E-04	6.1E-04	9.3E-06	4.7E-02	2.7E-02	1.2E-08
858	0.02	1.6E-08	2.9E+01	7.2E-04	6.1E-04	1.3E-05	4.7E-02	2.7E-02	1.6E-08
859	0.02	2.3E-08	4.0E+01	7.2E-04	6.1E-04	1.8E-05	4.7E-02	2.7E-02	2.3E-08
860	0.02	2.1E-08	3.7E+01	7.2E-04	6.1E-04	1.6E-05	4.7E-02	2.7E-02	2.1E-08
861	0.01	7.6E-09	1.4E+01	7.2E-04	6.1E-04	5.9E-06	4.7E-02	2.7E-02	7.6E-09
862	0.01	1.0E-08	1.8E+01	7.2E-04	6.1E-04	7.7E-06	4.7E-02	2.7E-02	1.0E-08
863	0.01	1.3E-08	2.4E+01	7.2E-04	6.1E-04	1.0E-05	4.7E-02	2.7E-02	1.3E-08
864	0.02	1.8E-08	3.3E+01	7.2E-04	6.1E-04	1.4E-05	4.7E-02	2.7E-02	1.8E-08
865	0.02	1.8E-08	3.2E+01	7.2E-04	6.1E-04	1.4E-05	4.7E-02	2.7E-02	1.8E-08
866	0.01	1.0E-08	1.8E+01	7.2E-04	6.1E-04	7.8E-06	4.7E-02	2.7E-02	1.0E-08
867	0.01	1.4E-08	2.4E+01	7.2E-04	6.1E-04	1.0E-05	4.7E-02	2.7E-02	1.4E-08
868	0.02	1.8E-08	3.3E+01	7.2E-04	6.1E-04	1.4E-05	4.7E-02	2.7E-02	1.8E-08
869	0.02	2.1E-08	3.7E+01	7.2E-04	6.1E-04	1.6E-05	4.7E-02	2.7E-02	2.1E-08
870	0.02	1.5E-08	2.7E+01	7.2E-04	6.1E-04	1.2E-05	4.7E-02	2.7E-02	1.5E-08
871	0.02	1.6E-08	2.8E+01	7.2E-04	6.1E-04	1.2E-05	4.7E-02	2.7E-02	1.6E-08
872	0.02	2.2E-08	3.9E+01	7.2E-04	6.1E-04	1.7E-05	4.7E-02	2.7E-02	2.2E-08

Risk From New Building Demo (Port. 2) - Mitigated School

Franklin School Project

Risk From New Building Demo (Port. 2) - Mitigated School

0.01	Max

Receptor #	Total/ Million	Total	Onsite						
			Conc	g/sec	D1	Dose	R1	ED	Risk
807	0.00	3.4E-09	2.9E+01	7.5E-04	6.1E-04	1.3E-05	4.7E-02	5.5E-03	3.4E-09
808	0.00	3.9E-09	3.3E+01	7.5E-04	6.1E-04	1.5E-05	4.7E-02	5.5E-03	3.9E-09
809	0.00	3.8E-09	3.2E+01	7.5E-04	6.1E-04	1.5E-05	4.7E-02	5.5E-03	3.8E-09
810	0.00	4.1E-09	3.5E+01	7.5E-04	6.1E-04	1.6E-05	4.7E-02	5.5E-03	4.1E-09
811	0.00	3.9E-09	3.3E+01	7.5E-04	6.1E-04	1.5E-05	4.7E-02	5.5E-03	3.9E-09
812	0.00	5.0E-09	4.2E+01	7.5E-04	6.1E-04	1.9E-05	4.7E-02	5.5E-03	5.0E-09
813	0.00	4.0E-09	3.4E+01	7.5E-04	6.1E-04	1.5E-05	4.7E-02	5.5E-03	4.0E-09
814	0.01	5.3E-09	4.6E+01	7.5E-04	6.1E-04	2.1E-05	4.7E-02	5.5E-03	5.3E-09
815	0.00	4.2E-09	3.6E+01	7.5E-04	6.1E-04	1.6E-05	4.7E-02	5.5E-03	4.2E-09
816	0.00	4.6E-09	4.0E+01	7.5E-04	6.1E-04	1.8E-05	4.7E-02	5.5E-03	4.6E-09
817	0.00	4.3E-09	3.7E+01	7.5E-04	6.1E-04	1.7E-05	4.7E-02	5.5E-03	4.3E-09
818	0.00	4.7E-09	4.0E+01	7.5E-04	6.1E-04	1.8E-05	4.7E-02	5.5E-03	4.7E-09
819	0.00	4.2E-09	3.6E+01	7.5E-04	6.1E-04	1.6E-05	4.7E-02	5.5E-03	4.2E-09
820	0.01	5.7E-09	4.8E+01	7.5E-04	6.1E-04	2.2E-05	4.7E-02	5.5E-03	5.7E-09
821	0.00	9.2E-10	7.9E+00	7.5E-04	6.1E-04	3.6E-06	4.7E-02	5.5E-03	9.2E-10
822	0.00	1.1E-09	9.7E+00	7.5E-04	6.1E-04	4.4E-06	4.7E-02	5.5E-03	1.1E-09
823	0.00	1.5E-09	1.3E+01	7.5E-04	6.1E-04	5.7E-06	4.7E-02	5.5E-03	1.5E-09
824	0.00	1.0E-09	8.7E+00	7.5E-04	6.1E-04	3.9E-06	4.7E-02	5.5E-03	1.0E-09
825	0.00	1.3E-09	1.1E+01	7.5E-04	6.1E-04	5.0E-06	4.7E-02	5.5E-03	1.3E-09
826	0.00	1.7E-09	1.5E+01	7.5E-04	6.1E-04	6.7E-06	4.7E-02	5.5E-03	1.7E-09
827	0.00	1.1E-09	9.6E+00	7.5E-04	6.1E-04	4.4E-06	4.7E-02	5.5E-03	1.1E-09
828	0.00	1.5E-09	1.3E+01	7.5E-04	6.1E-04	5.7E-06	4.7E-02	5.5E-03	1.5E-09
829	0.00	2.0E-09	1.7E+01	7.5E-04	6.1E-04	7.8E-06	4.7E-02	5.5E-03	2.0E-09
830	0.00	1.2E-09	1.0E+01	7.5E-04	6.1E-04	4.7E-06	4.7E-02	5.5E-03	1.2E-09
831	0.00	1.6E-09	1.4E+01	7.5E-04	6.1E-04	6.2E-06	4.7E-02	5.5E-03	1.6E-09
832	0.00	2.3E-09	1.9E+01	7.5E-04	6.1E-04	8.7E-06	4.7E-02	5.5E-03	2.3E-09
833	0.00	1.3E-09	1.1E+01	7.5E-04	6.1E-04	5.0E-06	4.7E-02	5.5E-03	1.3E-09
834	0.00	1.7E-09	1.5E+01	7.5E-04	6.1E-04	6.6E-06	4.7E-02	5.5E-03	1.7E-09
835	0.00	2.4E-09	2.1E+01	7.5E-04	6.1E-04	9.4E-06	4.7E-02	5.5E-03	2.4E-09
836	0.00	1.3E-09	1.1E+01	7.5E-04	6.1E-04	5.2E-06	4.7E-02	5.5E-03	1.3E-09
837	0.00	1.8E-09	1.5E+01	7.5E-04	6.1E-04	6.8E-06	4.7E-02	5.5E-03	1.8E-09
838	0.00	2.5E-09	2.1E+01	7.5E-04	6.1E-04	9.7E-06	4.7E-02	5.5E-03	2.5E-09
839	0.00	1.4E-09	1.2E+01	7.5E-04	6.1E-04	5.3E-06	4.7E-02	5.5E-03	1.4E-09
840	0.00	1.8E-09	1.6E+01	7.5E-04	6.1E-04	7.0E-06	4.7E-02	5.5E-03	1.8E-09
841	0.00	2.6E-09	2.2E+01	7.5E-04	6.1E-04	1.0E-05	4.7E-02	5.5E-03	2.6E-09
842	0.00	1.4E-09	1.2E+01	7.5E-04	6.1E-04	5.4E-06	4.7E-02	5.5E-03	1.4E-09
843	0.00	1.9E-09	1.6E+01	7.5E-04	6.1E-04	7.2E-06	4.7E-02	5.5E-03	1.9E-09
844	0.00	2.7E-09	2.3E+01	7.5E-04	6.1E-04	1.0E-05	4.7E-02	5.5E-03	2.7E-09
845	0.00	1.4E-09	1.2E+01	7.5E-04	6.1E-04	5.3E-06	4.7E-02	5.5E-03	1.4E-09

846	0.00	1.9E-09	1.6E+01	7.5E-04	6.1E-04	7.2E-06	4.7E-02	5.5E-03	1.9E-09
847	0.00	2.7E-09	2.3E+01	7.5E-04	6.1E-04	1.0E-05	4.7E-02	5.5E-03	2.7E-09
848	0.00	1.3E-09	1.1E+01	7.5E-04	6.1E-04	5.2E-06	4.7E-02	5.5E-03	1.3E-09
849	0.00	1.8E-09	1.6E+01	7.5E-04	6.1E-04	7.0E-06	4.7E-02	5.5E-03	1.8E-09
850	0.00	2.7E-09	2.3E+01	7.5E-04	6.1E-04	1.0E-05	4.7E-02	5.5E-03	2.7E-09
851	0.00	1.4E-09	1.2E+01	7.5E-04	6.1E-04	5.6E-06	4.7E-02	5.5E-03	1.4E-09
852	0.00	2.0E-09	1.7E+01	7.5E-04	6.1E-04	7.7E-06	4.7E-02	5.5E-03	2.0E-09
853	0.00	3.0E-09	2.5E+01	7.5E-04	6.1E-04	1.1E-05	4.7E-02	5.5E-03	3.0E-09
854	0.00	4.5E-09	3.8E+01	7.5E-04	6.1E-04	1.7E-05	4.7E-02	5.5E-03	4.5E-09
855	0.00	4.6E-09	3.9E+01	7.5E-04	6.1E-04	1.8E-05	4.7E-02	5.5E-03	4.6E-09
856	0.00	1.4E-09	1.2E+01	7.5E-04	6.1E-04	5.3E-06	4.7E-02	5.5E-03	1.4E-09
857	0.00	1.9E-09	1.6E+01	7.5E-04	6.1E-04	7.3E-06	4.7E-02	5.5E-03	1.9E-09
858	0.00	2.8E-09	2.4E+01	7.5E-04	6.1E-04	1.1E-05	4.7E-02	5.5E-03	2.8E-09
859	0.00	4.4E-09	3.7E+01	7.5E-04	6.1E-04	1.7E-05	4.7E-02	5.5E-03	4.4E-09
860	0.00	4.0E-09	3.5E+01	7.5E-04	6.1E-04	1.6E-05	4.7E-02	5.5E-03	4.0E-09
861	0.00	1.3E-09	1.1E+01	7.5E-04	6.1E-04	5.0E-06	4.7E-02	5.5E-03	1.3E-09
862	0.00	1.7E-09	1.5E+01	7.5E-04	6.1E-04	6.8E-06	4.7E-02	5.5E-03	1.7E-09
863	0.00	2.5E-09	2.1E+01	7.5E-04	6.1E-04	9.6E-06	4.7E-02	5.5E-03	2.5E-09
864	0.00	3.8E-09	3.2E+01	7.5E-04	6.1E-04	1.5E-05	4.7E-02	5.5E-03	3.8E-09
865	0.00	3.8E-09	3.3E+01	7.5E-04	6.1E-04	1.5E-05	4.7E-02	5.5E-03	3.8E-09
866	0.00	1.5E-09	1.3E+01	7.5E-04	6.1E-04	5.8E-06	4.7E-02	5.5E-03	1.5E-09
867	0.00	1.8E-09	1.5E+01	7.5E-04	6.1E-04	6.9E-06	4.7E-02	5.5E-03	1.8E-09
868	0.00	2.5E-09	2.1E+01	7.5E-04	6.1E-04	9.7E-06	4.7E-02	5.5E-03	2.5E-09
869	0.00	3.7E-09	3.2E+01	7.5E-04	6.1E-04	1.4E-05	4.7E-02	5.5E-03	3.7E-09
870	0.00	2.1E-09	1.8E+01	7.5E-04	6.1E-04	8.1E-06	4.7E-02	5.5E-03	2.1E-09
871	0.00	3.0E-09	2.6E+01	7.5E-04	6.1E-04	1.2E-05	4.7E-02	5.5E-03	3.0E-09
872	0.00	4.1E-09	3.5E+01	7.5E-04	6.1E-04	1.6E-05	4.7E-02	5.5E-03	4.1E-09

Franklin School Project

Risk From New Building Demo (Port. 2) - Mitigated School

Haul Route 1A							Haul Route 2A						
Conc	g/sec	D1	Dose	R1	ED	Risk	Conc	g/sec	D1	Dose	R1	ED	Risk
2.0E+01	1.9E-07	6.1E-04	2.3E-09	4.7E-02	5.5E-03	5.8E-13	9.9E+00	6.0E-07	6.1E-04	3.6E-09	4.7E-02	5.5E-03	9.3E-13
1.7E+01	1.9E-07	6.1E-04	1.9E-09	4.7E-02	5.5E-03	5.0E-13	9.6E+00	6.0E-07	6.1E-04	3.5E-09	4.7E-02	5.5E-03	9.0E-13
1.6E+01	1.9E-07	6.1E-04	1.9E-09	4.7E-02	5.5E-03	4.8E-13	8.4E+00	6.0E-07	6.1E-04	3.0E-09	4.7E-02	5.5E-03	7.9E-13
1.4E+01	1.9E-07	6.1E-04	1.6E-09	4.7E-02	5.5E-03	4.2E-13	8.2E+00	6.0E-07	6.1E-04	3.0E-09	4.7E-02	5.5E-03	7.7E-13
1.3E+01	1.9E-07	6.1E-04	1.5E-09	4.7E-02	5.5E-03	4.0E-13	7.2E+00	6.0E-07	6.1E-04	2.6E-09	4.7E-02	5.5E-03	6.7E-13
1.2E+01	1.9E-07	6.1E-04	1.4E-09	4.7E-02	5.5E-03	3.6E-13	7.1E+00	6.0E-07	6.1E-04	2.6E-09	4.7E-02	5.5E-03	6.6E-13
1.1E+01	1.9E-07	6.1E-04	1.3E-09	4.7E-02	5.5E-03	3.3E-13	6.2E+00	6.0E-07	6.1E-04	2.3E-09	4.7E-02	5.5E-03	5.8E-13
1.0E+01	1.9E-07	6.1E-04	1.2E-09	4.7E-02	5.5E-03	3.1E-13	6.2E+00	6.0E-07	6.1E-04	2.2E-09	4.7E-02	5.5E-03	5.8E-13
9.5E+00	1.9E-07	6.1E-04	1.1E-09	4.7E-02	5.5E-03	2.8E-13	5.4E+00	6.0E-07	6.1E-04	2.0E-09	4.7E-02	5.5E-03	5.1E-13
8.8E+00	1.9E-07	6.1E-04	1.0E-09	4.7E-02	5.5E-03	2.6E-13	5.4E+00	6.0E-07	6.1E-04	2.0E-09	4.7E-02	5.5E-03	5.1E-13
8.2E+00	1.9E-07	6.1E-04	9.4E-10	4.7E-02	5.5E-03	2.4E-13	4.8E+00	6.0E-07	6.1E-04	1.7E-09	4.7E-02	5.5E-03	4.5E-13
7.7E+00	1.9E-07	6.1E-04	8.8E-10	4.7E-02	5.5E-03	2.3E-13	4.8E+00	6.0E-07	6.1E-04	1.7E-09	4.7E-02	5.5E-03	4.5E-13
7.1E+00	1.9E-07	6.1E-04	8.1E-10	4.7E-02	5.5E-03	2.1E-13	4.3E+00	6.0E-07	6.1E-04	1.6E-09	4.7E-02	5.5E-03	4.0E-13
6.7E+00	1.9E-07	6.1E-04	7.7E-10	4.7E-02	5.5E-03	2.0E-13	4.3E+00	6.0E-07	6.1E-04	1.5E-09	4.7E-02	5.5E-03	4.0E-13
3.2E+01	1.9E-07	6.1E-04	3.7E-09	4.7E-02	5.5E-03	9.5E-13	1.8E+01	6.0E-07	6.1E-04	6.5E-09	4.7E-02	5.5E-03	1.7E-12
6.9E+01	1.9E-07	6.1E-04	8.0E-09	4.7E-02	5.5E-03	2.1E-12	1.8E+01	6.0E-07	6.1E-04	6.7E-09	4.7E-02	5.5E-03	1.7E-12
4.7E+01	1.9E-07	6.1E-04	5.4E-09	4.7E-02	5.5E-03	1.4E-12	1.8E+01	6.0E-07	6.1E-04	6.6E-09	4.7E-02	5.5E-03	1.7E-12
2.2E+01	1.9E-07	6.1E-04	2.5E-09	4.7E-02	5.5E-03	6.5E-13	1.4E+01	6.0E-07	6.1E-04	5.1E-09	4.7E-02	5.5E-03	1.3E-12
5.0E+01	1.9E-07	6.1E-04	5.8E-09	4.7E-02	5.5E-03	1.5E-12	1.4E+01	6.0E-07	6.1E-04	5.3E-09	4.7E-02	5.5E-03	1.4E-12
3.7E+01	1.9E-07	6.1E-04	4.3E-09	4.7E-02	5.5E-03	1.1E-12	1.4E+01	6.0E-07	6.1E-04	5.3E-09	4.7E-02	5.5E-03	1.4E-12
4.4E+01	1.9E-07	6.1E-04	5.1E-09	4.7E-02	5.5E-03	1.3E-12	1.1E+01	6.0E-07	6.1E-04	4.1E-09	4.7E-02	5.5E-03	1.1E-12
3.6E+01	1.9E-07	6.1E-04	4.1E-09	4.7E-02	5.5E-03	1.1E-12	1.2E+01	6.0E-07	6.1E-04	4.3E-09	4.7E-02	5.5E-03	1.1E-12
2.9E+01	1.9E-07	6.1E-04	3.3E-09	4.7E-02	5.5E-03	8.5E-13	1.2E+01	6.0E-07	6.1E-04	4.3E-09	4.7E-02	5.5E-03	1.1E-12
3.0E+01	1.9E-07	6.1E-04	3.5E-09	4.7E-02	5.5E-03	8.9E-13	9.4E+00	6.0E-07	6.1E-04	3.4E-09	4.7E-02	5.5E-03	8.8E-13
2.6E+01	1.9E-07	6.1E-04	3.0E-09	4.7E-02	5.5E-03	7.8E-13	9.7E+00	6.0E-07	6.1E-04	3.5E-09	4.7E-02	5.5E-03	9.1E-13
2.2E+01	1.9E-07	6.1E-04	2.6E-09	4.7E-02	5.5E-03	6.6E-13	9.7E+00	6.0E-07	6.1E-04	3.5E-09	4.7E-02	5.5E-03	9.1E-13
2.2E+01	1.9E-07	6.1E-04	2.5E-09	4.7E-02	5.5E-03	6.4E-13	7.9E+00	6.0E-07	6.1E-04	2.9E-09	4.7E-02	5.5E-03	7.4E-13
2.0E+01	1.9E-07	6.1E-04	2.3E-09	4.7E-02	5.5E-03	5.9E-13	8.1E+00	6.0E-07	6.1E-04	2.9E-09	4.7E-02	5.5E-03	7.6E-13
1.8E+01	1.9E-07	6.1E-04	2.0E-09	4.7E-02	5.5E-03	5.3E-13	8.2E+00	6.0E-07	6.1E-04	3.0E-09	4.7E-02	5.5E-03	7.7E-13
1.7E+01	1.9E-07	6.1E-04	2.0E-09	4.7E-02	5.5E-03	5.1E-13	7.0E+00	6.0E-07	6.1E-04	2.5E-09	4.7E-02	5.5E-03	6.5E-13
1.6E+01	1.9E-07	6.1E-04	1.9E-09	4.7E-02	5.5E-03	4.8E-13	7.1E+00	6.0E-07	6.1E-04	2.6E-09	4.7E-02	5.5E-03	6.7E-13
1.5E+01	1.9E-07	6.1E-04	1.7E-09	4.7E-02	5.5E-03	4.4E-13	7.2E+00	6.0E-07	6.1E-04	2.6E-09	4.7E-02	5.5E-03	6.8E-13
1.4E+01	1.9E-07	6.1E-04	1.6E-09	4.7E-02	5.5E-03	4.1E-13	6.0E+00	6.0E-07	6.1E-04	2.2E-09	4.7E-02	5.5E-03	5.6E-13
1.3E+01	1.9E-07	6.1E-04	1.5E-09	4.7E-02	5.5E-03	3.9E-13	6.1E+00	6.0E-07	6.1E-04	2.2E-09	4.7E-02	5.5E-03	5.8E-13
1.2E+01	1.9E-07	6.1E-04	1.4E-09	4.7E-02	5.5E-03	3.6E-13	6.2E+00	6.0E-07	6.1E-04	2.3E-09	4.7E-02	5.5E-03	5.8E-13
1.1E+01	1.9E-07	6.1E-04	1.3E-09	4.7E-02	5.5E-03	3.3E-13	5.2E+00	6.0E-07	6.1E-04	1.9E-09	4.7E-02	5.5E-03	4.9E-13
1.1E+01	1.9E-07	6.1E-04	1.2E-09	4.7E-02	5.5E-03	3.2E-13	5.4E+00	6.0E-07	6.1E-04	1.9E-09	4.7E-02	5.5E-03	5.0E-13
1.0E+01	1.9E-07	6.1E-04	1.2E-09	4.7E-02	5.5E-03	3.0E-13	5.4E+00	6.0E-07	6.1E-04	2.0E-09	4.7E-02	5.5E-03	5.1E-13
9.1E+00	1.9E-07	6.1E-04	1.0E-09	4.7E-02	5.5E-03	2.7E-13	4.6E+00	6.0E-07	6.1E-04	1.7E-09	4.7E-02	5.5E-03	4.3E-13

8.9E+00	1.9E-07	6.1E-04	1.0E-09	4.7E-02	5.5E-03	2.7E-13	4.7E+00	6.0E-07	6.1E-04	1.7E-09	4.7E-02	5.5E-03	4.4E-13
8.6E+00	1.9E-07	6.1E-04	9.9E-10	4.7E-02	5.5E-03	2.6E-13	4.8E+00	6.0E-07	6.1E-04	1.7E-09	4.7E-02	5.5E-03	4.5E-13
7.7E+00	1.9E-07	6.1E-04	8.8E-10	4.7E-02	5.5E-03	2.3E-13	4.1E+00	6.0E-07	6.1E-04	1.5E-09	4.7E-02	5.5E-03	3.8E-13
7.6E+00	1.9E-07	6.1E-04	8.7E-10	4.7E-02	5.5E-03	2.3E-13	4.2E+00	6.0E-07	6.1E-04	1.5E-09	4.7E-02	5.5E-03	3.9E-13
7.4E+00	1.9E-07	6.1E-04	8.5E-10	4.7E-02	5.5E-03	2.2E-13	4.2E+00	6.0E-07	6.1E-04	1.5E-09	4.7E-02	5.5E-03	4.0E-13
7.2E+00	1.9E-07	6.1E-04	8.3E-10	4.7E-02	5.5E-03	2.1E-13	3.9E+00	6.0E-07	6.1E-04	1.4E-09	4.7E-02	5.5E-03	3.7E-13
7.1E+00	1.9E-07	6.1E-04	8.1E-10	4.7E-02	5.5E-03	2.1E-13	4.0E+00	6.0E-07	6.1E-04	1.5E-09	4.7E-02	5.5E-03	3.8E-13
6.9E+00	1.9E-07	6.1E-04	7.9E-10	4.7E-02	5.5E-03	2.0E-13	4.1E+00	6.0E-07	6.1E-04	1.5E-09	4.7E-02	5.5E-03	3.8E-13
6.6E+00	1.9E-07	6.1E-04	7.6E-10	4.7E-02	5.5E-03	2.0E-13	4.1E+00	6.0E-07	6.1E-04	1.5E-09	4.7E-02	5.5E-03	3.8E-13
6.3E+00	1.9E-07	6.1E-04	7.3E-10	4.7E-02	5.5E-03	1.9E-13	4.1E+00	6.0E-07	6.1E-04	1.5E-09	4.7E-02	5.5E-03	3.8E-13
6.2E+00	1.9E-07	6.1E-04	7.1E-10	4.7E-02	5.5E-03	1.8E-13	3.5E+00	6.0E-07	6.1E-04	1.3E-09	4.7E-02	5.5E-03	3.3E-13
6.1E+00	1.9E-07	6.1E-04	7.0E-10	4.7E-02	5.5E-03	1.8E-13	3.6E+00	6.0E-07	6.1E-04	1.3E-09	4.7E-02	5.5E-03	3.4E-13
6.0E+00	1.9E-07	6.1E-04	6.9E-10	4.7E-02	5.5E-03	1.8E-13	3.6E+00	6.0E-07	6.1E-04	1.3E-09	4.7E-02	5.5E-03	3.4E-13
5.8E+00	1.9E-07	6.1E-04	6.7E-10	4.7E-02	5.5E-03	1.7E-13	3.7E+00	6.0E-07	6.1E-04	1.3E-09	4.7E-02	5.5E-03	3.4E-13
5.6E+00	1.9E-07	6.1E-04	6.4E-10	4.7E-02	5.5E-03	1.7E-13	3.7E+00	6.0E-07	6.1E-04	1.3E-09	4.7E-02	5.5E-03	3.4E-13
5.4E+00	1.9E-07	6.1E-04	6.2E-10	4.7E-02	5.5E-03	1.6E-13	3.2E+00	6.0E-07	6.1E-04	1.1E-09	4.7E-02	5.5E-03	3.0E-13
5.3E+00	1.9E-07	6.1E-04	6.2E-10	4.7E-02	5.5E-03	1.6E-13	3.2E+00	6.0E-07	6.1E-04	1.2E-09	4.7E-02	5.5E-03	3.0E-13
5.3E+00	1.9E-07	6.1E-04	6.1E-10	4.7E-02	5.5E-03	1.6E-13	3.3E+00	6.0E-07	6.1E-04	1.2E-09	4.7E-02	5.5E-03	3.1E-13
5.1E+00	1.9E-07	6.1E-04	5.9E-10	4.7E-02	5.5E-03	1.5E-13	3.3E+00	6.0E-07	6.1E-04	1.2E-09	4.7E-02	5.5E-03	3.1E-13
5.0E+00	1.9E-07	6.1E-04	5.7E-10	4.7E-02	5.5E-03	1.5E-13	3.3E+00	6.0E-07	6.1E-04	1.2E-09	4.7E-02	5.5E-03	3.1E-13
4.6E+01	1.9E-07	6.1E-04	5.2E-09	4.7E-02	5.5E-03	1.4E-12	1.9E+01	6.0E-07	6.1E-04	6.9E-09	4.7E-02	5.5E-03	1.8E-12
3.7E+01	1.9E-07	6.1E-04	4.2E-09	4.7E-02	5.5E-03	1.1E-12	1.5E+01	6.0E-07	6.1E-04	5.5E-09	4.7E-02	5.5E-03	1.4E-12
2.9E+01	1.9E-07	6.1E-04	3.3E-09	4.7E-02	5.5E-03	8.5E-13	1.5E+01	6.0E-07	6.1E-04	5.3E-09	4.7E-02	5.5E-03	1.4E-12
2.3E+01	1.9E-07	6.1E-04	2.7E-09	4.7E-02	5.5E-03	6.9E-13	1.4E+01	6.0E-07	6.1E-04	5.0E-09	4.7E-02	5.5E-03	1.3E-12
2.9E+01	1.9E-07	6.1E-04	3.3E-09	4.7E-02	5.5E-03	8.6E-13	1.2E+01	6.0E-07	6.1E-04	4.4E-09	4.7E-02	5.5E-03	1.1E-12
2.4E+01	1.9E-07	6.1E-04	2.7E-09	4.7E-02	5.5E-03	7.0E-13	1.2E+01	6.0E-07	6.1E-04	4.3E-09	4.7E-02	5.5E-03	1.1E-12
2.0E+01	1.9E-07	6.1E-04	2.3E-09	4.7E-02	5.5E-03	5.8E-13	1.1E+01	6.0E-07	6.1E-04	4.2E-09	4.7E-02	5.5E-03	1.1E-12

Franklin School Project

Risk From New Building Demo (Port. 2) - Mitigated School

Haul Route 1A							Haul Route 2A						
Conc	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
9.9E+00	1.2E-06	6.1E-04	7.4E-09	4.7E-02	5.5E-03	1.9E-12	8.5E-01	1.3E-07	6.1E-04	6.8E-11	4.7E-02	5.5E-03	1.8E-14
9.6E+00	1.2E-06	6.1E-04	7.2E-09	4.7E-02	5.5E-03	1.9E-12	8.3E-01	1.3E-07	6.1E-04	6.7E-11	4.7E-02	5.5E-03	1.7E-14
8.4E+00	1.2E-06	6.1E-04	6.3E-09	4.7E-02	5.5E-03	1.6E-12	8.2E-01	1.3E-07	6.1E-04	6.5E-11	4.7E-02	5.5E-03	1.7E-14
8.2E+00	1.2E-06	6.1E-04	6.1E-09	4.7E-02	5.5E-03	1.6E-12	8.0E-01	1.3E-07	6.1E-04	6.4E-11	4.7E-02	5.5E-03	1.7E-14
7.2E+00	1.2E-06	6.1E-04	5.4E-09	4.7E-02	5.5E-03	1.4E-12	7.8E-01	1.3E-07	6.1E-04	6.3E-11	4.7E-02	5.5E-03	1.6E-14
7.1E+00	1.2E-06	6.1E-04	5.3E-09	4.7E-02	5.5E-03	1.4E-12	7.7E-01	1.3E-07	6.1E-04	6.1E-11	4.7E-02	5.5E-03	1.6E-14
6.2E+00	1.2E-06	6.1E-04	4.6E-09	4.7E-02	5.5E-03	1.2E-12	7.5E-01	1.3E-07	6.1E-04	6.0E-11	4.7E-02	5.5E-03	1.6E-14
6.2E+00	1.2E-06	6.1E-04	4.6E-09	4.7E-02	5.5E-03	1.2E-12	7.4E-01	1.3E-07	6.1E-04	5.9E-11	4.7E-02	5.5E-03	1.5E-14
5.4E+00	1.2E-06	6.1E-04	4.1E-09	4.7E-02	5.5E-03	1.0E-12	7.2E-01	1.3E-07	6.1E-04	5.8E-11	4.7E-02	5.5E-03	1.5E-14
5.4E+00	1.2E-06	6.1E-04	4.0E-09	4.7E-02	5.5E-03	1.0E-12	7.1E-01	1.3E-07	6.1E-04	5.7E-11	4.7E-02	5.5E-03	1.5E-14
4.8E+00	1.2E-06	6.1E-04	3.6E-09	4.7E-02	5.5E-03	9.3E-13	7.0E-01	1.3E-07	6.1E-04	5.6E-11	4.7E-02	5.5E-03	1.4E-14
4.8E+00	1.2E-06	6.1E-04	3.6E-09	4.7E-02	5.5E-03	9.2E-13	6.8E-01	1.3E-07	6.1E-04	5.5E-11	4.7E-02	5.5E-03	1.4E-14
4.3E+00	1.2E-06	6.1E-04	3.2E-09	4.7E-02	5.5E-03	8.2E-13	6.7E-01	1.3E-07	6.1E-04	5.4E-11	4.7E-02	5.5E-03	1.4E-14
4.3E+00	1.2E-06	6.1E-04	3.2E-09	4.7E-02	5.5E-03	8.2E-13	6.6E-01	1.3E-07	6.1E-04	5.3E-11	4.7E-02	5.5E-03	1.4E-14
1.8E+01	1.2E-06	6.1E-04	1.3E-08	4.7E-02	5.5E-03	3.5E-12	1.0E+00	1.3E-07	6.1E-04	8.2E-11	4.7E-02	5.5E-03	2.1E-14
1.8E+01	1.2E-06	6.1E-04	1.4E-08	4.7E-02	5.5E-03	3.5E-12	1.0E+00	1.3E-07	6.1E-04	8.0E-11	4.7E-02	5.5E-03	2.1E-14
1.8E+01	1.2E-06	6.1E-04	1.4E-08	4.7E-02	5.5E-03	3.5E-12	9.8E-01	1.3E-07	6.1E-04	7.9E-11	4.7E-02	5.5E-03	2.0E-14
1.4E+01	1.2E-06	6.1E-04	1.1E-08	4.7E-02	5.5E-03	2.7E-12	9.8E-01	1.3E-07	6.1E-04	7.8E-11	4.7E-02	5.5E-03	2.0E-14
1.4E+01	1.2E-06	6.1E-04	1.1E-08	4.7E-02	5.5E-03	2.8E-12	9.6E-01	1.3E-07	6.1E-04	7.7E-11	4.7E-02	5.5E-03	2.0E-14
1.4E+01	1.2E-06	6.1E-04	1.1E-08	4.7E-02	5.5E-03	2.8E-12	9.4E-01	1.3E-07	6.1E-04	7.5E-11	4.7E-02	5.5E-03	1.9E-14
1.1E+01	1.2E-06	6.1E-04	8.5E-09	4.7E-02	5.5E-03	2.2E-12	9.4E-01	1.3E-07	6.1E-04	7.5E-11	4.7E-02	5.5E-03	1.9E-14
1.2E+01	1.2E-06	6.1E-04	8.7E-09	4.7E-02	5.5E-03	2.3E-12	9.2E-01	1.3E-07	6.1E-04	7.4E-11	4.7E-02	5.5E-03	1.9E-14
1.2E+01	1.2E-06	6.1E-04	8.8E-09	4.7E-02	5.5E-03	2.3E-12	9.0E-01	1.3E-07	6.1E-04	7.2E-11	4.7E-02	5.5E-03	1.9E-14
9.4E+00	1.2E-06	6.1E-04	7.0E-09	4.7E-02	5.5E-03	1.8E-12	9.0E-01	1.3E-07	6.1E-04	7.2E-11	4.7E-02	5.5E-03	1.9E-14
9.7E+00	1.2E-06	6.1E-04	7.2E-09	4.7E-02	5.5E-03	1.9E-12	8.8E-01	1.3E-07	6.1E-04	7.0E-11	4.7E-02	5.5E-03	1.8E-14
9.7E+00	1.2E-06	6.1E-04	7.2E-09	4.7E-02	5.5E-03	1.9E-12	8.6E-01	1.3E-07	6.1E-04	6.9E-11	4.7E-02	5.5E-03	1.8E-14
7.9E+00	1.2E-06	6.1E-04	5.9E-09	4.7E-02	5.5E-03	1.5E-12	8.6E-01	1.3E-07	6.1E-04	6.9E-11	4.7E-02	5.5E-03	1.8E-14
8.1E+00	1.2E-06	6.1E-04	6.0E-09	4.7E-02	5.5E-03	1.6E-12	8.4E-01	1.3E-07	6.1E-04	6.7E-11	4.7E-02	5.5E-03	1.7E-14
8.2E+00	1.2E-06	6.1E-04	6.1E-09	4.7E-02	5.5E-03	1.6E-12	8.3E-01	1.3E-07	6.1E-04	6.6E-11	4.7E-02	5.5E-03	1.7E-14
7.0E+00	1.2E-06	6.1E-04	5.2E-09	4.7E-02	5.5E-03	1.3E-12	8.3E-01	1.3E-07	6.1E-04	6.6E-11	4.7E-02	5.5E-03	1.7E-14
7.1E+00	1.2E-06	6.1E-04	5.3E-09	4.7E-02	5.5E-03	1.4E-12	8.1E-01	1.3E-07	6.1E-04	6.5E-11	4.7E-02	5.5E-03	1.7E-14
7.2E+00	1.2E-06	6.1E-04	5.4E-09	4.7E-02	5.5E-03	1.4E-12	8.0E-01	1.3E-07	6.1E-04	6.4E-11	4.7E-02	5.5E-03	1.7E-14
6.0E+00	1.2E-06	6.1E-04	4.5E-09	4.7E-02	5.5E-03	1.2E-12	7.9E-01	1.3E-07	6.1E-04	6.4E-11	4.7E-02	5.5E-03	1.6E-14
6.1E+00	1.2E-06	6.1E-04	4.6E-09	4.7E-02	5.5E-03	1.2E-12	7.8E-01	1.3E-07	6.1E-04	6.3E-11	4.7E-02	5.5E-03	1.6E-14
6.2E+00	1.2E-06	6.1E-04	4.6E-09	4.7E-02	5.5E-03	1.2E-12	7.7E-01	1.3E-07	6.1E-04	6.2E-11	4.7E-02	5.5E-03	1.6E-14
5.2E+00	1.2E-06	6.1E-04	3.9E-09	4.7E-02	5.5E-03	1.0E-12	7.6E-01	1.3E-07	6.1E-04	6.1E-11	4.7E-02	5.5E-03	1.6E-14
5.4E+00	1.2E-06	6.1E-04	4.0E-09	4.7E-02	5.5E-03	1.0E-12	7.5E-01	1.3E-07	6.1E-04	6.0E-11	4.7E-02	5.5E-03	1.6E-14
5.4E+00	1.2E-06	6.1E-04	4.0E-09	4.7E-02	5.5E-03	1.0E-12	7.4E-01	1.3E-07	6.1E-04	5.9E-11	4.7E-02	5.5E-03	1.5E-14
4.6E+00	1.2E-06	6.1E-04	3.4E-09	4.7E-02	5.5E-03	8.8E-13	7.3E-01	1.3E-07	6.1E-04	5.9E-11	4.7E-02	5.5E-03	1.5E-14

4.7E+00	1.2E-06	6.1E-04	3.5E-09	4.7E-02	5.5E-03	9.1E-13	7.2E-01	1.3E-07	6.1E-04	5.8E-11	4.7E-02	5.5E-03	1.5E-14
4.8E+00	1.2E-06	6.1E-04	3.6E-09	4.7E-02	5.5E-03	9.2E-13	7.1E-01	1.3E-07	6.1E-04	5.7E-11	4.7E-02	5.5E-03	1.5E-14
4.1E+00	1.2E-06	6.1E-04	3.0E-09	4.7E-02	5.5E-03	7.8E-13	7.0E-01	1.3E-07	6.1E-04	5.6E-11	4.7E-02	5.5E-03	1.5E-14
4.2E+00	1.2E-06	6.1E-04	3.1E-09	4.7E-02	5.5E-03	8.0E-13	6.9E-01	1.3E-07	6.1E-04	5.6E-11	4.7E-02	5.5E-03	1.4E-14
4.2E+00	1.2E-06	6.1E-04	3.2E-09	4.7E-02	5.5E-03	8.2E-13	6.8E-01	1.3E-07	6.1E-04	5.5E-11	4.7E-02	5.5E-03	1.4E-14
3.9E+00	1.2E-06	6.1E-04	2.9E-09	4.7E-02	5.5E-03	7.6E-13	6.9E-01	1.3E-07	6.1E-04	5.5E-11	4.7E-02	5.5E-03	1.4E-14
4.0E+00	1.2E-06	6.1E-04	3.0E-09	4.7E-02	5.5E-03	7.7E-13	6.8E-01	1.3E-07	6.1E-04	5.5E-11	4.7E-02	5.5E-03	1.4E-14
4.1E+00	1.2E-06	6.1E-04	3.0E-09	4.7E-02	5.5E-03	7.8E-13	6.7E-01	1.3E-07	6.1E-04	5.4E-11	4.7E-02	5.5E-03	1.4E-14
4.1E+00	1.2E-06	6.1E-04	3.0E-09	4.7E-02	5.5E-03	7.9E-13	6.6E-01	1.3E-07	6.1E-04	5.3E-11	4.7E-02	5.5E-03	1.4E-14
4.1E+00	1.2E-06	6.1E-04	3.0E-09	4.7E-02	5.5E-03	7.8E-13	6.5E-01	1.3E-07	6.1E-04	5.2E-11	4.7E-02	5.5E-03	1.3E-14
3.5E+00	1.2E-06	6.1E-04	2.6E-09	4.7E-02	5.5E-03	6.8E-13	6.6E-01	1.3E-07	6.1E-04	5.3E-11	4.7E-02	5.5E-03	1.4E-14
3.6E+00	1.2E-06	6.1E-04	2.7E-09	4.7E-02	5.5E-03	6.9E-13	6.5E-01	1.3E-07	6.1E-04	5.2E-11	4.7E-02	5.5E-03	1.4E-14
3.6E+00	1.2E-06	6.1E-04	2.7E-09	4.7E-02	5.5E-03	7.0E-13	6.5E-01	1.3E-07	6.1E-04	5.2E-11	4.7E-02	5.5E-03	1.3E-14
3.7E+00	1.2E-06	6.1E-04	2.7E-09	4.7E-02	5.5E-03	7.0E-13	6.4E-01	1.3E-07	6.1E-04	5.1E-11	4.7E-02	5.5E-03	1.3E-14
3.7E+00	1.2E-06	6.1E-04	2.7E-09	4.7E-02	5.5E-03	7.0E-13	6.2E-01	1.3E-07	6.1E-04	5.0E-11	4.7E-02	5.5E-03	1.3E-14
3.2E+00	1.2E-06	6.1E-04	2.4E-09	4.7E-02	5.5E-03	6.1E-13	6.4E-01	1.3E-07	6.1E-04	5.1E-11	4.7E-02	5.5E-03	1.3E-14
3.2E+00	1.2E-06	6.1E-04	2.4E-09	4.7E-02	5.5E-03	6.2E-13	6.3E-01	1.3E-07	6.1E-04	5.1E-11	4.7E-02	5.5E-03	1.3E-14
3.3E+00	1.2E-06	6.1E-04	2.4E-09	4.7E-02	5.5E-03	6.3E-13	6.2E-01	1.3E-07	6.1E-04	5.0E-11	4.7E-02	5.5E-03	1.3E-14
3.3E+00	1.2E-06	6.1E-04	2.5E-09	4.7E-02	5.5E-03	6.4E-13	6.1E-01	1.3E-07	6.1E-04	4.9E-11	4.7E-02	5.5E-03	1.3E-14
3.3E+00	1.2E-06	6.1E-04	2.5E-09	4.7E-02	5.5E-03	6.4E-13	6.0E-01	1.3E-07	6.1E-04	4.8E-11	4.7E-02	5.5E-03	1.2E-14
1.9E+01	1.2E-06	6.1E-04	1.4E-08	4.7E-02	5.5E-03	3.7E-12	9.9E-01	1.3E-07	6.1E-04	7.9E-11	4.7E-02	5.5E-03	2.0E-14
1.5E+01	1.2E-06	6.1E-04	1.1E-08	4.7E-02	5.5E-03	2.9E-12	9.4E-01	1.3E-07	6.1E-04	7.6E-11	4.7E-02	5.5E-03	2.0E-14
1.5E+01	1.2E-06	6.1E-04	1.1E-08	4.7E-02	5.5E-03	2.8E-12	9.2E-01	1.3E-07	6.1E-04	7.4E-11	4.7E-02	5.5E-03	1.9E-14
1.4E+01	1.2E-06	6.1E-04	1.0E-08	4.7E-02	5.5E-03	2.7E-12	9.0E-01	1.3E-07	6.1E-04	7.2E-11	4.7E-02	5.5E-03	1.9E-14
1.2E+01	1.2E-06	6.1E-04	9.1E-09	4.7E-02	5.5E-03	2.3E-12	9.0E-01	1.3E-07	6.1E-04	7.2E-11	4.7E-02	5.5E-03	1.9E-14
1.2E+01	1.2E-06	6.1E-04	8.9E-09	4.7E-02	5.5E-03	2.3E-12	8.8E-01	1.3E-07	6.1E-04	7.1E-11	4.7E-02	5.5E-03	1.8E-14
1.1E+01	1.2E-06	6.1E-04	8.5E-09	4.7E-02	5.5E-03	2.2E-12	8.6E-01	1.3E-07	6.1E-04	6.9E-11	4.7E-02	5.5E-03	1.8E-14

Risk From New Building Demo (Port. 1,3,4) - Mitigated School

Franklin School Project

Risk From New Building Demo (Port. 1,3,4) - Mitigated School

0.01	Max

Onsite

Receptor #	Total/ Million	Total	Conc	g/sec	D1	Dose	R1	ED	Risk
807	0.01	8.6E-09	2.9E+01	7.5E-04	6.1E-04	1.3E-05	4.7E-02	1.4E-02	8.6E-09
808	0.01	9.7E-09	3.3E+01	7.5E-04	6.1E-04	1.5E-05	4.7E-02	1.4E-02	9.7E-09
809	0.01	9.5E-09	3.2E+01	7.5E-04	6.1E-04	1.5E-05	4.7E-02	1.4E-02	9.5E-09
810	0.01	1.0E-08	3.5E+01	7.5E-04	6.1E-04	1.6E-05	4.7E-02	1.4E-02	1.0E-08
811	0.01	9.8E-09	3.3E+01	7.5E-04	6.1E-04	1.5E-05	4.7E-02	1.4E-02	9.8E-09
812	0.01	1.2E-08	4.2E+01	7.5E-04	6.1E-04	1.9E-05	4.7E-02	1.4E-02	1.2E-08
813	0.01	1.0E-08	3.4E+01	7.5E-04	6.1E-04	1.5E-05	4.7E-02	1.4E-02	1.0E-08
814	0.01	1.3E-08	4.6E+01	7.5E-04	6.1E-04	2.1E-05	4.7E-02	1.4E-02	1.3E-08
815	0.01	1.1E-08	3.6E+01	7.5E-04	6.1E-04	1.6E-05	4.7E-02	1.4E-02	1.1E-08
816	0.01	1.2E-08	4.0E+01	7.5E-04	6.1E-04	1.8E-05	4.7E-02	1.4E-02	1.2E-08
817	0.01	1.1E-08	3.7E+01	7.5E-04	6.1E-04	1.7E-05	4.7E-02	1.4E-02	1.1E-08
818	0.01	1.2E-08	4.0E+01	7.5E-04	6.1E-04	1.8E-05	4.7E-02	1.4E-02	1.2E-08
819	0.01	1.0E-08	3.6E+01	7.5E-04	6.1E-04	1.6E-05	4.7E-02	1.4E-02	1.0E-08
820	0.01	1.4E-08	4.8E+01	7.5E-04	6.1E-04	2.2E-05	4.7E-02	1.4E-02	1.4E-08
821	0.00	2.3E-09	7.9E+00	7.5E-04	6.1E-04	3.6E-06	4.7E-02	1.4E-02	2.3E-09
822	0.00	2.9E-09	9.7E+00	7.5E-04	6.1E-04	4.4E-06	4.7E-02	1.4E-02	2.8E-09
823	0.00	3.7E-09	1.3E+01	7.5E-04	6.1E-04	5.7E-06	4.7E-02	1.4E-02	3.7E-09
824	0.00	2.6E-09	8.7E+00	7.5E-04	6.1E-04	3.9E-06	4.7E-02	1.4E-02	2.5E-09
825	0.00	3.3E-09	1.1E+01	7.5E-04	6.1E-04	5.0E-06	4.7E-02	1.4E-02	3.2E-09
826	0.00	4.3E-09	1.5E+01	7.5E-04	6.1E-04	6.7E-06	4.7E-02	1.4E-02	4.3E-09
827	0.00	2.8E-09	9.6E+00	7.5E-04	6.1E-04	4.4E-06	4.7E-02	1.4E-02	2.8E-09
828	0.00	3.7E-09	1.3E+01	7.5E-04	6.1E-04	5.7E-06	4.7E-02	1.4E-02	3.7E-09
829	0.01	5.0E-09	1.7E+01	7.5E-04	6.1E-04	7.8E-06	4.7E-02	1.4E-02	5.0E-09
830	0.00	3.1E-09	1.0E+01	7.5E-04	6.1E-04	4.7E-06	4.7E-02	1.4E-02	3.0E-09
831	0.00	4.0E-09	1.4E+01	7.5E-04	6.1E-04	6.2E-06	4.7E-02	1.4E-02	4.0E-09
832	0.01	5.6E-09	1.9E+01	7.5E-04	6.1E-04	8.7E-06	4.7E-02	1.4E-02	5.6E-09
833	0.00	3.2E-09	1.1E+01	7.5E-04	6.1E-04	5.0E-06	4.7E-02	1.4E-02	3.2E-09
834	0.00	4.3E-09	1.5E+01	7.5E-04	6.1E-04	6.6E-06	4.7E-02	1.4E-02	4.3E-09
835	0.01	6.1E-09	2.1E+01	7.5E-04	6.1E-04	9.4E-06	4.7E-02	1.4E-02	6.1E-09
836	0.00	3.3E-09	1.1E+01	7.5E-04	6.1E-04	5.2E-06	4.7E-02	1.4E-02	3.3E-09
837	0.00	4.4E-09	1.5E+01	7.5E-04	6.1E-04	6.8E-06	4.7E-02	1.4E-02	4.4E-09
838	0.01	6.3E-09	2.1E+01	7.5E-04	6.1E-04	9.7E-06	4.7E-02	1.4E-02	6.3E-09
839	0.00	3.4E-09	1.2E+01	7.5E-04	6.1E-04	5.3E-06	4.7E-02	1.4E-02	3.4E-09
840	0.00	4.5E-09	1.6E+01	7.5E-04	6.1E-04	7.0E-06	4.7E-02	1.4E-02	4.5E-09
841	0.01	6.4E-09	2.2E+01	7.5E-04	6.1E-04	1.0E-05	4.7E-02	1.4E-02	6.4E-09
842	0.00	3.5E-09	1.2E+01	7.5E-04	6.1E-04	5.4E-06	4.7E-02	1.4E-02	3.5E-09
843	0.00	4.7E-09	1.6E+01	7.5E-04	6.1E-04	7.2E-06	4.7E-02	1.4E-02	4.7E-09
844	0.01	6.7E-09	2.3E+01	7.5E-04	6.1E-04	1.0E-05	4.7E-02	1.4E-02	6.7E-09
845	0.00	3.4E-09	1.2E+01	7.5E-04	6.1E-04	5.3E-06	4.7E-02	1.4E-02	3.4E-09

846	0.00	4.7E-09	1.6E+01	7.5E-04	6.1E-04	7.2E-06	4.7E-02	1.4E-02	4.7E-09
847	0.01	6.7E-09	2.3E+01	7.5E-04	6.1E-04	1.0E-05	4.7E-02	1.4E-02	6.7E-09
848	0.00	3.4E-09	1.1E+01	7.5E-04	6.1E-04	5.2E-06	4.7E-02	1.4E-02	3.4E-09
849	0.00	4.6E-09	1.6E+01	7.5E-04	6.1E-04	7.0E-06	4.7E-02	1.4E-02	4.5E-09
850	0.01	6.6E-09	2.3E+01	7.5E-04	6.1E-04	1.0E-05	4.7E-02	1.4E-02	6.6E-09
851	0.00	3.6E-09	1.2E+01	7.5E-04	6.1E-04	5.6E-06	4.7E-02	1.4E-02	3.6E-09
852	0.00	5.0E-09	1.7E+01	7.5E-04	6.1E-04	7.7E-06	4.7E-02	1.4E-02	5.0E-09
853	0.01	7.4E-09	2.5E+01	7.5E-04	6.1E-04	1.1E-05	4.7E-02	1.4E-02	7.4E-09
854	0.01	1.1E-08	3.8E+01	7.5E-04	6.1E-04	1.7E-05	4.7E-02	1.4E-02	1.1E-08
855	0.01	1.2E-08	3.9E+01	7.5E-04	6.1E-04	1.8E-05	4.7E-02	1.4E-02	1.2E-08
856	0.00	3.4E-09	1.2E+01	7.5E-04	6.1E-04	5.3E-06	4.7E-02	1.4E-02	3.4E-09
857	0.00	4.7E-09	1.6E+01	7.5E-04	6.1E-04	7.3E-06	4.7E-02	1.4E-02	4.7E-09
858	0.01	6.9E-09	2.4E+01	7.5E-04	6.1E-04	1.1E-05	4.7E-02	1.4E-02	6.9E-09
859	0.01	1.1E-08	3.7E+01	7.5E-04	6.1E-04	1.7E-05	4.7E-02	1.4E-02	1.1E-08
860	0.01	1.0E-08	3.5E+01	7.5E-04	6.1E-04	1.6E-05	4.7E-02	1.4E-02	1.0E-08
861	0.00	3.2E-09	1.1E+01	7.5E-04	6.1E-04	5.0E-06	4.7E-02	1.4E-02	3.2E-09
862	0.00	4.4E-09	1.5E+01	7.5E-04	6.1E-04	6.8E-06	4.7E-02	1.4E-02	4.4E-09
863	0.01	6.2E-09	2.1E+01	7.5E-04	6.1E-04	9.6E-06	4.7E-02	1.4E-02	6.2E-09
864	0.01	9.5E-09	3.2E+01	7.5E-04	6.1E-04	1.5E-05	4.7E-02	1.4E-02	9.5E-09
865	0.01	9.5E-09	3.3E+01	7.5E-04	6.1E-04	1.5E-05	4.7E-02	1.4E-02	9.5E-09
866	0.00	3.8E-09	1.3E+01	7.5E-04	6.1E-04	5.8E-06	4.7E-02	1.4E-02	3.8E-09
867	0.00	4.5E-09	1.5E+01	7.5E-04	6.1E-04	6.9E-06	4.7E-02	1.4E-02	4.4E-09
868	0.01	6.3E-09	2.1E+01	7.5E-04	6.1E-04	9.7E-06	4.7E-02	1.4E-02	6.2E-09
869	0.01	9.3E-09	3.2E+01	7.5E-04	6.1E-04	1.4E-05	4.7E-02	1.4E-02	9.3E-09
870	0.01	5.2E-09	1.8E+01	7.5E-04	6.1E-04	8.1E-06	4.7E-02	1.4E-02	5.2E-09
871	0.01	7.6E-09	2.6E+01	7.5E-04	6.1E-04	1.2E-05	4.7E-02	1.4E-02	7.6E-09
872	0.01	1.0E-08	3.5E+01	7.5E-04	6.1E-04	1.6E-05	4.7E-02	1.4E-02	1.0E-08
873	0.00	0.0E+00		7.5E-04	6.1E-04	0.0E+00	4.7E-02	1.4E-02	0.0E+00

Franklin School Project

Risk From New Building Demo (Port. 1,3,4) - Mitigated School

Haul Route 1A							Haul Route 2A						
Conc	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
2.0E+01	1.9E-07	6.1E-04	2.3E-09	4.7E-02	1.4E-02	1.5E-12	9.9E+00	6.0E-07	6.1E-04	3.6E-09	4.7E-02	1.4E-02	2.3E-12
1.7E+01	1.9E-07	6.1E-04	1.9E-09	4.7E-02	1.4E-02	1.3E-12	9.6E+00	6.0E-07	6.1E-04	3.5E-09	4.7E-02	1.4E-02	2.3E-12
1.6E+01	1.9E-07	6.1E-04	1.9E-09	4.7E-02	1.4E-02	1.2E-12	8.4E+00	6.0E-07	6.1E-04	3.0E-09	4.7E-02	1.4E-02	2.0E-12
1.4E+01	1.9E-07	6.1E-04	1.6E-09	4.7E-02	1.4E-02	1.1E-12	8.2E+00	6.0E-07	6.1E-04	3.0E-09	4.7E-02	1.4E-02	1.9E-12
1.3E+01	1.9E-07	6.1E-04	1.5E-09	4.7E-02	1.4E-02	9.9E-13	7.2E+00	6.0E-07	6.1E-04	2.6E-09	4.7E-02	1.4E-02	1.7E-12
1.2E+01	1.9E-07	6.1E-04	1.4E-09	4.7E-02	1.4E-02	8.9E-13	7.1E+00	6.0E-07	6.1E-04	2.6E-09	4.7E-02	1.4E-02	1.7E-12
1.1E+01	1.9E-07	6.1E-04	1.3E-09	4.7E-02	1.4E-02	8.3E-13	6.2E+00	6.0E-07	6.1E-04	2.3E-09	4.7E-02	1.4E-02	1.5E-12
1.0E+01	1.9E-07	6.1E-04	1.2E-09	4.7E-02	1.4E-02	7.6E-13	6.2E+00	6.0E-07	6.1E-04	2.2E-09	4.7E-02	1.4E-02	1.4E-12
9.5E+00	1.9E-07	6.1E-04	1.1E-09	4.7E-02	1.4E-02	7.1E-13	5.4E+00	6.0E-07	6.1E-04	2.0E-09	4.7E-02	1.4E-02	1.3E-12
8.8E+00	1.9E-07	6.1E-04	1.0E-09	4.7E-02	1.4E-02	6.6E-13	5.4E+00	6.0E-07	6.1E-04	2.0E-09	4.7E-02	1.4E-02	1.3E-12
8.2E+00	1.9E-07	6.1E-04	9.4E-10	4.7E-02	1.4E-02	6.1E-13	4.8E+00	6.0E-07	6.1E-04	1.7E-09	4.7E-02	1.4E-02	1.1E-12
7.7E+00	1.9E-07	6.1E-04	8.8E-10	4.7E-02	1.4E-02	5.7E-13	4.8E+00	6.0E-07	6.1E-04	1.7E-09	4.7E-02	1.4E-02	1.1E-12
7.1E+00	1.9E-07	6.1E-04	8.1E-10	4.7E-02	1.4E-02	5.2E-13	4.3E+00	6.0E-07	6.1E-04	1.6E-09	4.7E-02	1.4E-02	1.0E-12
6.7E+00	1.9E-07	6.1E-04	7.7E-10	4.7E-02	1.4E-02	5.0E-13	4.3E+00	6.0E-07	6.1E-04	1.5E-09	4.7E-02	1.4E-02	1.0E-12
3.2E+01	1.9E-07	6.1E-04	3.7E-09	4.7E-02	1.4E-02	2.4E-12	1.8E+01	6.0E-07	6.1E-04	6.5E-09	4.7E-02	1.4E-02	4.2E-12
6.9E+01	1.9E-07	6.1E-04	8.0E-09	4.7E-02	1.4E-02	5.2E-12	1.8E+01	6.0E-07	6.1E-04	6.7E-09	4.7E-02	1.4E-02	4.3E-12
4.7E+01	1.9E-07	6.1E-04	5.4E-09	4.7E-02	1.4E-02	3.5E-12	1.8E+01	6.0E-07	6.1E-04	6.6E-09	4.7E-02	1.4E-02	4.3E-12
2.2E+01	1.9E-07	6.1E-04	2.5E-09	4.7E-02	1.4E-02	1.6E-12	1.4E+01	6.0E-07	6.1E-04	5.1E-09	4.7E-02	1.4E-02	3.3E-12
5.0E+01	1.9E-07	6.1E-04	5.8E-09	4.7E-02	1.4E-02	3.7E-12	1.4E+01	6.0E-07	6.1E-04	5.3E-09	4.7E-02	1.4E-02	3.4E-12
3.7E+01	1.9E-07	6.1E-04	4.3E-09	4.7E-02	1.4E-02	2.8E-12	1.4E+01	6.0E-07	6.1E-04	5.3E-09	4.7E-02	1.4E-02	3.4E-12
4.4E+01	1.9E-07	6.1E-04	5.1E-09	4.7E-02	1.4E-02	3.3E-12	1.1E+01	6.0E-07	6.1E-04	4.1E-09	4.7E-02	1.4E-02	2.7E-12
3.6E+01	1.9E-07	6.1E-04	4.1E-09	4.7E-02	1.4E-02	2.7E-12	1.2E+01	6.0E-07	6.1E-04	4.3E-09	4.7E-02	1.4E-02	2.7E-12
2.9E+01	1.9E-07	6.1E-04	3.3E-09	4.7E-02	1.4E-02	2.1E-12	1.2E+01	6.0E-07	6.1E-04	4.3E-09	4.7E-02	1.4E-02	2.8E-12
3.0E+01	1.9E-07	6.1E-04	3.5E-09	4.7E-02	1.4E-02	2.2E-12	9.4E+00	6.0E-07	6.1E-04	3.4E-09	4.7E-02	1.4E-02	2.2E-12
2.6E+01	1.9E-07	6.1E-04	3.0E-09	4.7E-02	1.4E-02	1.9E-12	9.7E+00	6.0E-07	6.1E-04	3.5E-09	4.7E-02	1.4E-02	2.3E-12
2.2E+01	1.9E-07	6.1E-04	2.6E-09	4.7E-02	1.4E-02	1.7E-12	9.7E+00	6.0E-07	6.1E-04	3.5E-09	4.7E-02	1.4E-02	2.3E-12
2.2E+01	1.9E-07	6.1E-04	2.5E-09	4.7E-02	1.4E-02	1.6E-12	7.9E+00	6.0E-07	6.1E-04	2.9E-09	4.7E-02	1.4E-02	1.9E-12
2.0E+01	1.9E-07	6.1E-04	2.3E-09	4.7E-02	1.4E-02	1.5E-12	8.1E+00	6.0E-07	6.1E-04	2.9E-09	4.7E-02	1.4E-02	1.9E-12
1.8E+01	1.9E-07	6.1E-04	2.0E-09	4.7E-02	1.4E-02	1.3E-12	8.2E+00	6.0E-07	6.1E-04	3.0E-09	4.7E-02	1.4E-02	1.9E-12
1.7E+01	1.9E-07	6.1E-04	2.0E-09	4.7E-02	1.4E-02	1.3E-12	7.0E+00	6.0E-07	6.1E-04	2.5E-09	4.7E-02	1.4E-02	1.6E-12
1.6E+01	1.9E-07	6.1E-04	1.9E-09	4.7E-02	1.4E-02	1.2E-12	7.1E+00	6.0E-07	6.1E-04	2.6E-09	4.7E-02	1.4E-02	1.7E-12
1.5E+01	1.9E-07	6.1E-04	1.7E-09	4.7E-02	1.4E-02	1.1E-12	7.2E+00	6.0E-07	6.1E-04	2.6E-09	4.7E-02	1.4E-02	1.7E-12
1.4E+01	1.9E-07	6.1E-04	1.6E-09	4.7E-02	1.4E-02	1.0E-12	6.0E+00	6.0E-07	6.1E-04	2.2E-09	4.7E-02	1.4E-02	1.4E-12
1.3E+01	1.9E-07	6.1E-04	1.5E-09	4.7E-02	1.4E-02	9.7E-13	6.1E+00	6.0E-07	6.1E-04	2.2E-09	4.7E-02	1.4E-02	1.4E-12
1.2E+01	1.9E-07	6.1E-04	1.4E-09	4.7E-02	1.4E-02	9.1E-13	6.2E+00	6.0E-07	6.1E-04	2.3E-09	4.7E-02	1.4E-02	1.5E-12
1.1E+01	1.9E-07	6.1E-04	1.3E-09	4.7E-02	1.4E-02	8.2E-13	5.2E+00	6.0E-07	6.1E-04	1.9E-09	4.7E-02	1.4E-02	1.2E-12
1.1E+01	1.9E-07	6.1E-04	1.2E-09	4.7E-02	1.4E-02	8.0E-13	5.4E+00	6.0E-07	6.1E-04	1.9E-09	4.7E-02	1.4E-02	1.3E-12
1.0E+01	1.9E-07	6.1E-04	1.2E-09	4.7E-02	1.4E-02	7.6E-13	5.4E+00	6.0E-07	6.1E-04	2.0E-09	4.7E-02	1.4E-02	1.3E-12
9.1E+00	1.9E-07	6.1E-04	1.0E-09	4.7E-02	1.4E-02	6.8E-13	4.6E+00	6.0E-07	6.1E-04	1.7E-09	4.7E-02	1.4E-02	1.1E-12

8.9E+00	1.9E-07	6.1E-04	1.0E-09	4.7E-02	1.4E-02	6.6E-13	4.7E+00	6.0E-07	6.1E-04	1.7E-09	4.7E-02	1.4E-02	1.1E-12
8.6E+00	1.9E-07	6.1E-04	9.9E-10	4.7E-02	1.4E-02	6.4E-13	4.8E+00	6.0E-07	6.1E-04	1.7E-09	4.7E-02	1.4E-02	1.1E-12
7.7E+00	1.9E-07	6.1E-04	8.8E-10	4.7E-02	1.4E-02	5.7E-13	4.1E+00	6.0E-07	6.1E-04	1.5E-09	4.7E-02	1.4E-02	9.6E-13
7.6E+00	1.9E-07	6.1E-04	8.7E-10	4.7E-02	1.4E-02	5.6E-13	4.2E+00	6.0E-07	6.1E-04	1.5E-09	4.7E-02	1.4E-02	9.8E-13
7.4E+00	1.9E-07	6.1E-04	8.5E-10	4.7E-02	1.4E-02	5.5E-13	4.2E+00	6.0E-07	6.1E-04	1.5E-09	4.7E-02	1.4E-02	9.9E-13
7.2E+00	1.9E-07	6.1E-04	8.3E-10	4.7E-02	1.4E-02	5.3E-13	3.9E+00	6.0E-07	6.1E-04	1.4E-09	4.7E-02	1.4E-02	9.2E-13
7.1E+00	1.9E-07	6.1E-04	8.1E-10	4.7E-02	1.4E-02	5.3E-13	4.0E+00	6.0E-07	6.1E-04	1.5E-09	4.7E-02	1.4E-02	9.4E-13
6.9E+00	1.9E-07	6.1E-04	7.9E-10	4.7E-02	1.4E-02	5.1E-13	4.1E+00	6.0E-07	6.1E-04	1.5E-09	4.7E-02	1.4E-02	9.5E-13
6.6E+00	1.9E-07	6.1E-04	7.6E-10	4.7E-02	1.4E-02	4.9E-13	4.1E+00	6.0E-07	6.1E-04	1.5E-09	4.7E-02	1.4E-02	9.6E-13
6.3E+00	1.9E-07	6.1E-04	7.3E-10	4.7E-02	1.4E-02	4.7E-13	4.1E+00	6.0E-07	6.1E-04	1.5E-09	4.7E-02	1.4E-02	9.5E-13
6.2E+00	1.9E-07	6.1E-04	7.1E-10	4.7E-02	1.4E-02	4.6E-13	3.5E+00	6.0E-07	6.1E-04	1.3E-09	4.7E-02	1.4E-02	8.2E-13
6.1E+00	1.9E-07	6.1E-04	7.0E-10	4.7E-02	1.4E-02	4.5E-13	3.6E+00	6.0E-07	6.1E-04	1.3E-09	4.7E-02	1.4E-02	8.4E-13
6.0E+00	1.9E-07	6.1E-04	6.9E-10	4.7E-02	1.4E-02	4.5E-13	3.6E+00	6.0E-07	6.1E-04	1.3E-09	4.7E-02	1.4E-02	8.5E-13
5.8E+00	1.9E-07	6.1E-04	6.7E-10	4.7E-02	1.4E-02	4.3E-13	3.7E+00	6.0E-07	6.1E-04	1.3E-09	4.7E-02	1.4E-02	8.6E-13
5.6E+00	1.9E-07	6.1E-04	6.4E-10	4.7E-02	1.4E-02	4.1E-13	3.7E+00	6.0E-07	6.1E-04	1.3E-09	4.7E-02	1.4E-02	8.6E-13
5.4E+00	1.9E-07	6.1E-04	6.2E-10	4.7E-02	1.4E-02	4.0E-13	3.2E+00	6.0E-07	6.1E-04	1.1E-09	4.7E-02	1.4E-02	7.4E-13
5.3E+00	1.9E-07	6.1E-04	6.2E-10	4.7E-02	1.4E-02	4.0E-13	3.2E+00	6.0E-07	6.1E-04	1.2E-09	4.7E-02	1.4E-02	7.6E-13
5.3E+00	1.9E-07	6.1E-04	6.1E-10	4.7E-02	1.4E-02	3.9E-13	3.3E+00	6.0E-07	6.1E-04	1.2E-09	4.7E-02	1.4E-02	7.7E-13
5.1E+00	1.9E-07	6.1E-04	5.9E-10	4.7E-02	1.4E-02	3.8E-13	3.3E+00	6.0E-07	6.1E-04	1.2E-09	4.7E-02	1.4E-02	7.7E-13
5.0E+00	1.9E-07	6.1E-04	5.7E-10	4.7E-02	1.4E-02	3.7E-13	3.3E+00	6.0E-07	6.1E-04	1.2E-09	4.7E-02	1.4E-02	7.7E-13
4.6E+01	1.9E-07	6.1E-04	5.2E-09	4.7E-02	1.4E-02	3.4E-12	1.9E+01	6.0E-07	6.1E-04	6.9E-09	4.7E-02	1.4E-02	4.5E-12
3.7E+01	1.9E-07	6.1E-04	4.2E-09	4.7E-02	1.4E-02	2.7E-12	1.5E+01	6.0E-07	6.1E-04	5.5E-09	4.7E-02	1.4E-02	3.5E-12
2.9E+01	1.9E-07	6.1E-04	3.3E-09	4.7E-02	1.4E-02	2.1E-12	1.5E+01	6.0E-07	6.1E-04	5.3E-09	4.7E-02	1.4E-02	3.4E-12
2.3E+01	1.9E-07	6.1E-04	2.7E-09	4.7E-02	1.4E-02	1.7E-12	1.4E+01	6.0E-07	6.1E-04	5.0E-09	4.7E-02	1.4E-02	3.2E-12
2.9E+01	1.9E-07	6.1E-04	3.3E-09	4.7E-02	1.4E-02	2.2E-12	1.2E+01	6.0E-07	6.1E-04	4.4E-09	4.7E-02	1.4E-02	2.9E-12
2.4E+01	1.9E-07	6.1E-04	2.7E-09	4.7E-02	1.4E-02	1.8E-12	1.2E+01	6.0E-07	6.1E-04	4.3E-09	4.7E-02	1.4E-02	2.8E-12
2.0E+01	1.9E-07	6.1E-04	2.3E-09	4.7E-02	1.4E-02	1.5E-12	1.1E+01	6.0E-07	6.1E-04	4.2E-09	4.7E-02	1.4E-02	2.7E-12
0.0E+00	1.9E-07	6.1E-04	0.0E+00	4.7E-02	1.4E-02	0.0E+00	0.0E+00	6.0E-07	6.1E-04	0.0E+00	4.7E-02	1.4E-02	0.0E+00

Franklin School Project

Risk From New Building Demo (Port. 1,3,4) - Mitigated School

Haul Route 1A							Haul Route 2A						
Conc	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**	**Conc**	**g/sec**	**D1**	**Dose**	**R1**	**ED**	**Risk**
9.9E+00	1.2E-06	6.1E-04	7.4E-09	4.7E-02	1.4E-02	4.8E-12	8.5E-01	1.3E-07	6.1E-04	6.8E-11	4.7E-02	1.4E-02	4.4E-14
9.6E+00	1.2E-06	6.1E-04	7.2E-09	4.7E-02	1.4E-02	4.6E-12	8.3E-01	1.3E-07	6.1E-04	6.7E-11	4.7E-02	1.4E-02	4.3E-14
8.4E+00	1.2E-06	6.1E-04	6.3E-09	4.7E-02	1.4E-02	4.0E-12	8.2E-01	1.3E-07	6.1E-04	6.5E-11	4.7E-02	1.4E-02	4.2E-14
8.2E+00	1.2E-06	6.1E-04	6.1E-09	4.7E-02	1.4E-02	4.0E-12	8.0E-01	1.3E-07	6.1E-04	6.4E-11	4.7E-02	1.4E-02	4.1E-14
7.2E+00	1.2E-06	6.1E-04	5.4E-09	4.7E-02	1.4E-02	3.5E-12	7.8E-01	1.3E-07	6.1E-04	6.3E-11	4.7E-02	1.4E-02	4.1E-14
7.1E+00	1.2E-06	6.1E-04	5.3E-09	4.7E-02	1.4E-02	3.4E-12	7.7E-01	1.3E-07	6.1E-04	6.1E-11	4.7E-02	1.4E-02	4.0E-14
6.2E+00	1.2E-06	6.1E-04	4.6E-09	4.7E-02	1.4E-02	3.0E-12	7.5E-01	1.3E-07	6.1E-04	6.0E-11	4.7E-02	1.4E-02	3.9E-14
6.2E+00	1.2E-06	6.1E-04	4.6E-09	4.7E-02	1.4E-02	3.0E-12	7.4E-01	1.3E-07	6.1E-04	5.9E-11	4.7E-02	1.4E-02	3.8E-14
5.4E+00	1.2E-06	6.1E-04	4.1E-09	4.7E-02	1.4E-02	2.6E-12	7.2E-01	1.3E-07	6.1E-04	5.8E-11	4.7E-02	1.4E-02	3.7E-14
5.4E+00	1.2E-06	6.1E-04	4.0E-09	4.7E-02	1.4E-02	2.6E-12	7.1E-01	1.3E-07	6.1E-04	5.7E-11	4.7E-02	1.4E-02	3.7E-14
4.8E+00	1.2E-06	6.1E-04	3.6E-09	4.7E-02	1.4E-02	2.3E-12	7.0E-01	1.3E-07	6.1E-04	5.6E-11	4.7E-02	1.4E-02	3.6E-14
4.8E+00	1.2E-06	6.1E-04	3.6E-09	4.7E-02	1.4E-02	2.3E-12	6.8E-01	1.3E-07	6.1E-04	5.5E-11	4.7E-02	1.4E-02	3.5E-14
4.3E+00	1.2E-06	6.1E-04	3.2E-09	4.7E-02	1.4E-02	2.1E-12	6.7E-01	1.3E-07	6.1E-04	5.4E-11	4.7E-02	1.4E-02	3.5E-14
4.3E+00	1.2E-06	6.1E-04	3.2E-09	4.7E-02	1.4E-02	2.1E-12	6.6E-01	1.3E-07	6.1E-04	5.3E-11	4.7E-02	1.4E-02	3.4E-14
1.8E+01	1.2E-06	6.1E-04	1.3E-08	4.7E-02	1.4E-02	8.7E-12	1.0E+00	1.3E-07	6.1E-04	8.2E-11	4.7E-02	1.4E-02	5.3E-14
1.8E+01	1.2E-06	6.1E-04	1.4E-08	4.7E-02	1.4E-02	8.9E-12	1.0E+00	1.3E-07	6.1E-04	8.0E-11	4.7E-02	1.4E-02	5.2E-14
1.8E+01	1.2E-06	6.1E-04	1.4E-08	4.7E-02	1.4E-02	8.8E-12	9.8E-01	1.3E-07	6.1E-04	7.9E-11	4.7E-02	1.4E-02	5.1E-14
1.4E+01	1.2E-06	6.1E-04	1.1E-08	4.7E-02	1.4E-02	6.8E-12	9.8E-01	1.3E-07	6.1E-04	7.8E-11	4.7E-02	1.4E-02	5.1E-14
1.4E+01	1.2E-06	6.1E-04	1.1E-08	4.7E-02	1.4E-02	7.0E-12	9.6E-01	1.3E-07	6.1E-04	7.7E-11	4.7E-02	1.4E-02	5.0E-14
1.4E+01	1.2E-06	6.1E-04	1.1E-08	4.7E-02	1.4E-02	7.0E-12	9.4E-01	1.3E-07	6.1E-04	7.5E-11	4.7E-02	1.4E-02	4.9E-14
1.1E+01	1.2E-06	6.1E-04	8.5E-09	4.7E-02	1.4E-02	5.5E-12	9.4E-01	1.3E-07	6.1E-04	7.5E-11	4.7E-02	1.4E-02	4.8E-14
1.2E+01	1.2E-06	6.1E-04	8.7E-09	4.7E-02	1.4E-02	5.6E-12	9.2E-01	1.3E-07	6.1E-04	7.4E-11	4.7E-02	1.4E-02	4.8E-14
1.2E+01	1.2E-06	6.1E-04	8.8E-09	4.7E-02	1.4E-02	5.7E-12	9.0E-01	1.3E-07	6.1E-04	7.2E-11	4.7E-02	1.4E-02	4.7E-14
9.4E+00	1.2E-06	6.1E-04	7.0E-09	4.7E-02	1.4E-02	4.5E-12	9.0E-01	1.3E-07	6.1E-04	7.2E-11	4.7E-02	1.4E-02	4.6E-14
9.7E+00	1.2E-06	6.1E-04	7.2E-09	4.7E-02	1.4E-02	4.6E-12	8.8E-01	1.3E-07	6.1E-04	7.0E-11	4.7E-02	1.4E-02	4.5E-14
9.7E+00	1.2E-06	6.1E-04	7.2E-09	4.7E-02	1.4E-02	4.7E-12	8.6E-01	1.3E-07	6.1E-04	6.9E-11	4.7E-02	1.4E-02	4.5E-14
7.9E+00	1.2E-06	6.1E-04	5.9E-09	4.7E-02	1.4E-02	3.8E-12	8.6E-01	1.3E-07	6.1E-04	6.9E-11	4.7E-02	1.4E-02	4.4E-14
8.1E+00	1.2E-06	6.1E-04	6.0E-09	4.7E-02	1.4E-02	3.9E-12	8.4E-01	1.3E-07	6.1E-04	6.7E-11	4.7E-02	1.4E-02	4.4E-14
8.2E+00	1.2E-06	6.1E-04	6.1E-09	4.7E-02	1.4E-02	3.9E-12	8.3E-01	1.3E-07	6.1E-04	6.6E-11	4.7E-02	1.4E-02	4.3E-14
7.0E+00	1.2E-06	6.1E-04	5.2E-09	4.7E-02	1.4E-02	3.3E-12	8.3E-01	1.3E-07	6.1E-04	6.6E-11	4.7E-02	1.4E-02	4.3E-14
7.1E+00	1.2E-06	6.1E-04	5.3E-09	4.7E-02	1.4E-02	3.4E-12	8.1E-01	1.3E-07	6.1E-04	6.5E-11	4.7E-02	1.4E-02	4.2E-14
7.2E+00	1.2E-06	6.1E-04	5.4E-09	4.7E-02	1.4E-02	3.5E-12	8.0E-01	1.3E-07	6.1E-04	6.4E-11	4.7E-02	1.4E-02	4.1E-14
6.0E+00	1.2E-06	6.1E-04	4.5E-09	4.7E-02	1.4E-02	2.9E-12	7.9E-01	1.3E-07	6.1E-04	6.4E-11	4.7E-02	1.4E-02	4.1E-14
6.1E+00	1.2E-06	6.1E-04	4.6E-09	4.7E-02	1.4E-02	3.0E-12	7.8E-01	1.3E-07	6.1E-04	6.3E-11	4.7E-02	1.4E-02	4.0E-14
6.2E+00	1.2E-06	6.1E-04	4.6E-09	4.7E-02	1.4E-02	3.0E-12	7.7E-01	1.3E-07	6.1E-04	6.2E-11	4.7E-02	1.4E-02	4.0E-14
5.2E+00	1.2E-06	6.1E-04	3.9E-09	4.7E-02	1.4E-02	2.5E-12	7.6E-01	1.3E-07	6.1E-04	6.1E-11	4.7E-02	1.4E-02	3.9E-14
5.4E+00	1.2E-06	6.1E-04	4.0E-09	4.7E-02	1.4E-02	2.6E-12	7.5E-01	1.3E-07	6.1E-04	6.0E-11	4.7E-02	1.4E-02	3.9E-14
5.4E+00	1.2E-06	6.1E-04	4.0E-09	4.7E-02	1.4E-02	2.6E-12	7.4E-01	1.3E-07	6.1E-04	5.9E-11	4.7E-02	1.4E-02	3.8E-14
4.6E+00	1.2E-06	6.1E-04	3.4E-09	4.7E-02	1.4E-02	2.2E-12	7.3E-01	1.3E-07	6.1E-04	5.9E-11	4.7E-02	1.4E-02	3.8E-14

4.7E+00	1.2E-06	6.1E-04	3.5E-09	4.7E-02	1.4E-02	2.3E-12	7.2E-01	1.3E-07	6.1E-04	5.8E-11	4.7E-02	1.4E-02	3.7E-14
4.8E+00	1.2E-06	6.1E-04	3.6E-09	4.7E-02	1.4E-02	2.3E-12	7.1E-01	1.3E-07	6.1E-04	5.7E-11	4.7E-02	1.4E-02	3.7E-14
4.1E+00	1.2E-06	6.1E-04	3.0E-09	4.7E-02	1.4E-02	2.0E-12	7.0E-01	1.3E-07	6.1E-04	5.6E-11	4.7E-02	1.4E-02	3.6E-14
4.2E+00	1.2E-06	6.1E-04	3.1E-09	4.7E-02	1.4E-02	2.0E-12	6.9E-01	1.3E-07	6.1E-04	5.6E-11	4.7E-02	1.4E-02	3.6E-14
4.2E+00	1.2E-06	6.1E-04	3.2E-09	4.7E-02	1.4E-02	2.0E-12	6.8E-01	1.3E-07	6.1E-04	5.5E-11	4.7E-02	1.4E-02	3.5E-14
3.9E+00	1.2E-06	6.1E-04	2.9E-09	4.7E-02	1.4E-02	1.9E-12	6.9E-01	1.3E-07	6.1E-04	5.5E-11	4.7E-02	1.4E-02	3.6E-14
4.0E+00	1.2E-06	6.1E-04	3.0E-09	4.7E-02	1.4E-02	1.9E-12	6.8E-01	1.3E-07	6.1E-04	5.5E-11	4.7E-02	1.4E-02	3.5E-14
4.1E+00	1.2E-06	6.1E-04	3.0E-09	4.7E-02	1.4E-02	2.0E-12	6.7E-01	1.3E-07	6.1E-04	5.4E-11	4.7E-02	1.4E-02	3.5E-14
4.1E+00	1.2E-06	6.1E-04	3.0E-09	4.7E-02	1.4E-02	2.0E-12	6.6E-01	1.3E-07	6.1E-04	5.3E-11	4.7E-02	1.4E-02	3.4E-14
4.1E+00	1.2E-06	6.1E-04	3.0E-09	4.7E-02	1.4E-02	2.0E-12	6.5E-01	1.3E-07	6.1E-04	5.2E-11	4.7E-02	1.4E-02	3.4E-14
3.5E+00	1.2E-06	6.1E-04	2.6E-09	4.7E-02	1.4E-02	1.7E-12	6.6E-01	1.3E-07	6.1E-04	5.3E-11	4.7E-02	1.4E-02	3.4E-14
3.6E+00	1.2E-06	6.1E-04	2.7E-09	4.7E-02	1.4E-02	1.7E-12	6.5E-01	1.3E-07	6.1E-04	5.2E-11	4.7E-02	1.4E-02	3.4E-14
3.6E+00	1.2E-06	6.1E-04	2.7E-09	4.7E-02	1.4E-02	1.7E-12	6.5E-01	1.3E-07	6.1E-04	5.2E-11	4.7E-02	1.4E-02	3.3E-14
3.7E+00	1.2E-06	6.1E-04	2.7E-09	4.7E-02	1.4E-02	1.8E-12	6.4E-01	1.3E-07	6.1E-04	5.1E-11	4.7E-02	1.4E-02	3.3E-14
3.7E+00	1.2E-06	6.1E-04	2.7E-09	4.7E-02	1.4E-02	1.8E-12	6.2E-01	1.3E-07	6.1E-04	5.0E-11	4.7E-02	1.4E-02	3.2E-14
3.2E+00	1.2E-06	6.1E-04	2.4E-09	4.7E-02	1.4E-02	1.5E-12	6.4E-01	1.3E-07	6.1E-04	5.1E-11	4.7E-02	1.4E-02	3.3E-14
3.2E+00	1.2E-06	6.1E-04	2.4E-09	4.7E-02	1.4E-02	1.6E-12	6.3E-01	1.3E-07	6.1E-04	5.1E-11	4.7E-02	1.4E-02	3.3E-14
3.3E+00	1.2E-06	6.1E-04	2.4E-09	4.7E-02	1.4E-02	1.6E-12	6.2E-01	1.3E-07	6.1E-04	5.0E-11	4.7E-02	1.4E-02	3.2E-14
3.3E+00	1.2E-06	6.1E-04	2.5E-09	4.7E-02	1.4E-02	1.6E-12	6.1E-01	1.3E-07	6.1E-04	4.9E-11	4.7E-02	1.4E-02	3.2E-14
3.3E+00	1.2E-06	6.1E-04	2.5E-09	4.7E-02	1.4E-02	1.6E-12	6.0E-01	1.3E-07	6.1E-04	4.8E-11	4.7E-02	1.4E-02	3.1E-14
1.9E+01	1.2E-06	6.1E-04	1.4E-08	4.7E-02	1.4E-02	9.2E-12	9.9E-01	1.3E-07	6.1E-04	7.9E-11	4.7E-02	1.4E-02	5.1E-14
1.5E+01	1.2E-06	6.1E-04	1.1E-08	4.7E-02	1.4E-02	7.3E-12	9.4E-01	1.3E-07	6.1E-04	7.6E-11	4.7E-02	1.4E-02	4.9E-14
1.5E+01	1.2E-06	6.1E-04	1.1E-08	4.7E-02	1.4E-02	7.0E-12	9.2E-01	1.3E-07	6.1E-04	7.4E-11	4.7E-02	1.4E-02	4.8E-14
1.4E+01	1.2E-06	6.1E-04	1.0E-08	4.7E-02	1.4E-02	6.7E-12	9.0E-01	1.3E-07	6.1E-04	7.2E-11	4.7E-02	1.4E-02	4.7E-14
1.2E+01	1.2E-06	6.1E-04	9.1E-09	4.7E-02	1.4E-02	5.9E-12	9.0E-01	1.3E-07	6.1E-04	7.2E-11	4.7E-02	1.4E-02	4.7E-14
1.2E+01	1.2E-06	6.1E-04	8.9E-09	4.7E-02	1.4E-02	5.7E-12	8.8E-01	1.3E-07	6.1E-04	7.1E-11	4.7E-02	1.4E-02	4.6E-14
1.1E+01	1.2E-06	6.1E-04	8.5E-09	4.7E-02	1.4E-02	5.5E-12	8.6E-01	1.3E-07	6.1E-04	6.9E-11	4.7E-02	1.4E-02	4.5E-14
0.0E+00	1.2E-06	6.1E-04	0.0E+00	4.7E-02	1.4E-02	0.0E+00	0.0E+00	1.3E-07	6.1E-04	0.0E+00	4.7E-02	1.4E-02	0.0E+00

7. Construction Health Risk
g.AERMOD Output

```
** Lakes Environmental AERMOD MPI
**
****************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.6.5
** Lakes Environmental Software Inc.
** Date: 7/10/2019
** File: C:\Lakes\AERMOD View\AERMOD Projects\Franklin School\Franklin School.ADI
**
****************************************
**
**
****************************************
** AERMOD Control Pathway
****************************************
**
**
CO STARTING
   TITLEONE C:\Lakes\AERMOD View\AERMOD Projects\Franklin School\Franklin School
   MODELOPT DFAULT CONC
   AVERTIME ANNUAL
   URBANOPT 3337685 US_Census_Bureau_July_1,_2017_SD_County
   POLLUTID PM_10
   RUNORNOT RUN
   ERRORFIL "Franklin School.err"
CO FINISHED
**
****************************************
** AERMOD Source Pathway
****************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** ------------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources (2W)
** LINE VOLUME Source ID = HAUL1A
** DESCRSRC Copeland from Site to Mead
** PREFIX
** Length of Side = 12.19
** Configuration = Separated 2W
** Emission Rate = 1.0
** Vertical Dimension = 7.32
** SZINIT = 3.40
** Nodes = 2
** 490259.771, 3624430.848, 113.81, 3.05, 11.34
** 490259.100, 3624362.365, 113.55, 3.05, 11.34
** ------------------------------------------------------------------------
   LOCATION L0000001     VOLUME   490259.711 3624424.752 113.81
   LOCATION L0000002     VOLUME   490259.472 3624400.369 113.69
   LOCATION L0000003     VOLUME   490259.233 3624375.986 113.37
** End of LINE VOLUME Source ID = HAUL1A
** ------------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources (2W)
** LINE VOLUME Source ID = HAULB
** DESCRSRC Copeland from Meade Ave to El Cajon Boulevard
** PREFIX
** Length of Side = 12.19
** Configuration = Separated 2W
** Emission Rate = 1.0
** Vertical Dimension = 7.32
** SZINIT = 3.40
** Nodes = 2
** 490259.100, 3624363.708, 113.55, 3.05, 11.34
** 490258.428, 3624147.519, 113.51, 3.05, 11.34
** ------------------------------------------------------------------------
   LOCATION L0000016     VOLUME   490259.081 3624357.612 113.50
   LOCATION L0000017     VOLUME   490259.005 3624333.228 113.46
   LOCATION L0000018     VOLUME   490258.929 3624308.844 113.46
   LOCATION L0000019     VOLUME   490258.854 3624284.460 113.44
   LOCATION L0000020     VOLUME   490258.778 3624260.077 113.41
   LOCATION L0000021     VOLUME   490258.702 3624235.693 113.38
   LOCATION L0000022     VOLUME   490258.626 3624211.309 113.35
   LOCATION L0000023     VOLUME   490258.551 3624186.925 113.36
   LOCATION L0000024     VOLUME   490258.475 3624162.541 113.40
** End of LINE VOLUME Source ID = HAULB
** ------------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources (2W)
** LINE VOLUME Source ID = HAULC
** DESCRSRC El Cajon from Copeland to the I-15
** PREFIX
** Length of Side = 28.96
** Configuration = Separated 2W
** Emission Rate = 1.0
** Vertical Dimension = 7.32
** SZINIT = 3.40
** Nodes = 2
** 490259.100, 3624147.854, 113.51, 3.05, 26.94
** 489815.307, 3624152.554, 113.99, 3.05, 26.94
** ------------------------------------------------------------------------
   LOCATION L0000025     VOLUME   490244.622 3624148.008 113.51
   LOCATION L0000026     VOLUME   490186.714 3624148.621 113.69
   LOCATION L0000027     VOLUME   490128.805 3624149.234 113.88
   LOCATION L0000028     VOLUME   490070.896 3624149.847 113.99
   LOCATION L0000029     VOLUME   490012.987 3624150.461 113.99
   LOCATION L0000030     VOLUME   489955.079 3624151.074 113.86
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   LOCATION L0000031     VOLUME   489897.170 3624151.687 113.87
   LOCATION L0000032     VOLUME   489839.261 3624152.300 113.92
** End of LINE VOLUME Source ID = HAULC
** ------------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources (2W)
** LINE VOLUME Source ID = HAUL2A
** DESCRSRC Meade Ave from Site to Copeland
** PREFIX
** Length of Side = 15.24
** Configuration = Separated 2W
** Emission Rate = 1.0
** Vertical Dimension = 7.32
** SZINIT = 3.40
** Nodes = 2
** 490305.426, 3624362.030, 112.95, 3.05, 14.18
** 490257.757, 3624362.030, 113.56, 3.05, 14.18
** ------------------------------------------------------------------------
   LOCATION L0000033     VOLUME   490297.806 3624362.030 113.12
   LOCATION L0000034     VOLUME   490267.326 3624362.030 113.47
** End of LINE VOLUME Source ID = HAUL2A
** ------------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources (2W)
** LINE VOLUME Source ID = MOD
** DESCRSRC Modernization
** PREFIX
** Length of Side = 6.10
** Configuration = Separated 2W
** Emission Rate = 1.0
** Vertical Dimension = 7.32
** SZINIT = 3.40
** Nodes = 6
** 490317.511, 3624541.292, 110.74, 5.00, 5.67
** 490279.913, 3624541.292, 112.61, 5.00, 5.67
** 490279.913, 3624435.212, 113.76, 5.00, 5.67
** 490291.327, 3624435.212, 113.51, 5.00, 5.67
** 490291.998, 3624531.893, 112.06, 5.00, 5.67
** 490314.826, 3624531.893, 111.00, 5.00, 5.67
** ------------------------------------------------------------------------
   LOCATION L0000481     VOLUME   490314.463 3624541.292 110.85
   LOCATION L0000482     VOLUME   490302.271 3624541.292 111.48
   LOCATION L0000483     VOLUME   490290.079 3624541.292 112.05
   LOCATION L0000484     VOLUME   490279.913 3624539.266 112.68
   LOCATION L0000485     VOLUME   490279.913 3624527.074 112.90
   LOCATION L0000486     VOLUME   490279.913 3624514.882 113.13
   LOCATION L0000487     VOLUME   490279.913 3624502.690 113.20
   LOCATION L0000488     VOLUME   490279.913 3624490.498 113.42
   LOCATION L0000489     VOLUME   490279.913 3624478.306 113.62
   LOCATION L0000490     VOLUME   490279.913 3624466.114 113.58
   LOCATION L0000491     VOLUME   490279.913 3624453.922 113.60
   LOCATION L0000492     VOLUME   490279.913 3624441.730 113.77
   LOCATION L0000493     VOLUME   490285.586 3624435.212 113.74
   LOCATION L0000494     VOLUME   490291.371 3624441.663 113.61
   LOCATION L0000495     VOLUME   490291.456 3624453.855 113.39
   LOCATION L0000496     VOLUME   490291.541 3624466.047 113.39
   LOCATION L0000497     VOLUME   490291.625 3624478.238 113.32
   LOCATION L0000498     VOLUME   490291.710 3624490.430 113.22
   LOCATION L0000499     VOLUME   490291.795 3624502.622 112.89
   LOCATION L0000500     VOLUME   490291.879 3624514.813 112.59
   LOCATION L0000501     VOLUME   490291.964 3624527.005 112.28
   LOCATION L0000502     VOLUME   490299.302 3624531.893 111.78
   LOCATION L0000503     VOLUME   490311.494 3624531.893 111.29
** End of LINE VOLUME Source ID = MOD
** ------------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources (2W)
** LINE VOLUME Source ID = NB1
** DESCRSRC Demolition & Grading
** PREFIX
** Length of Side = 6.10
** Configuration = Separated 2W
** Emission Rate = 1.0
** Vertical Dimension = 7.32
** SZINIT = 3.40
** Nodes = 16
** 490391.365, 3624543.978, 110.46, 5.00, 5.67
** 490323.554, 3624544.649, 110.58, 5.00, 5.67
** 490323.554, 3624529.207, 110.97, 5.00, 5.67
** 490389.350, 3624530.550, 110.33, 5.00, 5.67
** 490378.608, 3624513.765, 110.15, 5.00, 5.67
** 490320.868, 3624513.765, 111.29, 5.00, 5.67
** 490321.539, 3624497.652, 111.23, 5.00, 5.67
** 490362.495, 3624496.309, 109.10, 5.00, 5.67
** 490348.395, 3624478.852, 110.21, 5.00, 5.67
** 490321.539, 3624478.852, 111.36, 5.00, 5.67
** 490321.539, 3624461.396, 111.39, 5.00, 5.67
** 490347.724, 3624461.396, 110.41, 5.00, 5.67
** 490347.724, 3624432.526, 111.91, 5.00, 5.67
** 490339.667, 3624432.526, 112.63, 5.00, 5.67
** 490338.996, 3624451.325, 111.27, 5.00, 5.67
** 490320.197, 3624450.654, 112.09, 5.00, 5.67
** ------------------------------------------------------------------------
   LOCATION L0000444     VOLUME   490388.317 3624544.008 110.55
   LOCATION L0000445     VOLUME   490376.125 3624544.129 110.59
   LOCATION L0000446     VOLUME   490363.934 3624544.249 110.22
   LOCATION L0000447     VOLUME   490351.743 3624544.370 110.11
   LOCATION L0000448     VOLUME   490339.551 3624544.491 110.25
   LOCATION L0000449     VOLUME   490327.360 3624544.612 110.55
   LOCATION L0000450     VOLUME   490323.554 3624536.264 110.79
   LOCATION L0000451     VOLUME   490328.688 3624529.312 110.83
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   LOCATION L0000452     VOLUME   490340.878 3624529.561 110.55
   LOCATION L0000453     VOLUME   490353.067 3624529.809 110.51
   LOCATION L0000454     VOLUME   490365.257 3624530.058 110.54
   LOCATION L0000455     VOLUME   490377.446 3624530.307 110.53
   LOCATION L0000456     VOLUME   490389.197 3624530.310 110.16
   LOCATION L0000457     VOLUME   490382.625 3624520.041 110.29
   LOCATION L0000458     VOLUME   490373.867 3624513.765 110.10
   LOCATION L0000459     VOLUME   490361.675 3624513.765 110.22
   LOCATION L0000460     VOLUME   490349.483 3624513.765 110.33
   LOCATION L0000461     VOLUME   490337.291 3624513.765 110.53
   LOCATION L0000462     VOLUME   490325.099 3624513.765 110.91
   LOCATION L0000463     VOLUME   490321.199 3624505.811 111.35
   LOCATION L0000464     VOLUME   490325.563 3624497.520 110.71
   LOCATION L0000465     VOLUME   490337.748 3624497.120 110.37
   LOCATION L0000466     VOLUME   490349.934 3624496.721 110.26
   LOCATION L0000467     VOLUME   490362.119 3624496.321 109.92
   LOCATION L0000468     VOLUME   490355.070 3624487.116 109.59
   LOCATION L0000469     VOLUME   490346.826 3624478.852 110.36
   LOCATION L0000470     VOLUME   490334.634 3624478.852 110.53
   LOCATION L0000471     VOLUME   490322.442 3624478.852 111.32
   LOCATION L0000472     VOLUME   490321.539 3624467.563 111.57
   LOCATION L0000473     VOLUME   490327.564 3624461.396 110.85
   LOCATION L0000474     VOLUME   490339.756 3624461.396 110.78
   LOCATION L0000475     VOLUME   490347.724 3624457.172 110.04
   LOCATION L0000476     VOLUME   490347.724 3624444.980 110.93
   LOCATION L0000477     VOLUME   490347.724 3624432.788 111.07
   LOCATION L0000478     VOLUME   490339.529 3624436.397 112.66
   LOCATION L0000479     VOLUME   490339.094 3624448.582 112.03
   LOCATION L0000480     VOLUME   490329.555 3624450.988 111.58
** End of LINE VOLUME Source ID = NB1
** ------------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources (2W)
** LINE VOLUME Source ID = NB3
** DESCRSRC Paving
** PREFIX
** Length of Side = 6.10
** Configuration = Separated 2W
** Emission Rate = 1.0
** Vertical Dimension = 7.32
** SZINIT = 3.40
** Nodes = 16
** 490391.365, 3624543.978, 110.46, 5.00, 5.67
** 490323.554, 3624544.649, 110.58, 5.00, 5.67
** 490323.554, 3624529.207, 110.97, 5.00, 5.67
** 490389.350, 3624530.550, 110.33, 5.00, 5.67
** 490378.608, 3624513.765, 110.15, 5.00, 5.67
** 490298.712, 3624513.765, 112.38, 5.00, 5.67
** 490298.041, 3624497.652, 112.89, 5.00, 5.67
** 490362.495, 3624496.309, 109.10, 5.00, 5.67
** 490348.395, 3624478.852, 110.21, 5.00, 5.67
** 490299.383, 3624478.181, 113.07, 5.00, 5.67
** 490300.726, 3624460.725, 113.04, 5.00, 5.67
** 490347.724, 3624461.396, 110.41, 5.00, 5.67
** 490347.724, 3624432.526, 111.91, 5.00, 5.67
** 490339.667, 3624432.526, 112.63, 5.00, 5.67
** 490338.996, 3624451.325, 111.27, 5.00, 5.67
** 490320.197, 3624450.654, 112.09, 5.00, 5.67
** ------------------------------------------------------------------------
   LOCATION L0000399     VOLUME   490388.317 3624544.008 110.55
   LOCATION L0000400     VOLUME   490376.125 3624544.129 110.59
   LOCATION L0000401     VOLUME   490363.934 3624544.249 110.22
   LOCATION L0000402     VOLUME   490351.743 3624544.370 110.11
   LOCATION L0000403     VOLUME   490339.551 3624544.491 110.25
   LOCATION L0000404     VOLUME   490327.360 3624544.612 110.55
   LOCATION L0000405     VOLUME   490323.554 3624536.264 110.79
   LOCATION L0000406     VOLUME   490328.688 3624529.312 110.83
   LOCATION L0000407     VOLUME   490340.878 3624529.561 110.55
   LOCATION L0000408     VOLUME   490353.067 3624529.809 110.51
   LOCATION L0000409     VOLUME   490365.257 3624530.058 110.54
   LOCATION L0000410     VOLUME   490377.446 3624530.307 110.53
   LOCATION L0000411     VOLUME   490389.197 3624530.310 110.16
   LOCATION L0000412     VOLUME   490382.625 3624520.041 110.29
   LOCATION L0000413     VOLUME   490373.867 3624513.765 110.10
   LOCATION L0000414     VOLUME   490361.675 3624513.765 110.22
   LOCATION L0000415     VOLUME   490349.483 3624513.765 110.33
   LOCATION L0000416     VOLUME   490337.291 3624513.765 110.53
   LOCATION L0000417     VOLUME   490325.099 3624513.765 110.91
   LOCATION L0000418     VOLUME   490312.907 3624513.765 111.97
   LOCATION L0000419     VOLUME   490300.715 3624513.765 112.15
   LOCATION L0000420     VOLUME   490298.288 3624503.585 112.57
   LOCATION L0000421     VOLUME   490304.293 3624497.521 112.51
   LOCATION L0000422     VOLUME   490316.482 3624497.267 112.31
   LOCATION L0000423     VOLUME   490328.671 3624497.013 110.60
   LOCATION L0000424     VOLUME   490340.861 3624496.759 110.33
   LOCATION L0000425     VOLUME   490353.050 3624496.506 110.28
   LOCATION L0000426     VOLUME   490360.770 3624494.173 109.96
   LOCATION L0000427     VOLUME   490353.109 3624484.688 109.78
   LOCATION L0000428     VOLUME   490343.706 3624478.788 110.43
   LOCATION L0000429     VOLUME   490331.515 3624478.621 110.59
   LOCATION L0000430     VOLUME   490319.324 3624478.454 112.01
   LOCATION L0000431     VOLUME   490307.133 3624478.287 112.73
   LOCATION L0000432     VOLUME   490299.724 3624473.752 112.85
   LOCATION L0000433     VOLUME   490300.659 3624461.596 113.06
   LOCATION L0000434     VOLUME   490312.043 3624460.886 112.87
   LOCATION L0000435     VOLUME   490324.234 3624461.061 111.06
   LOCATION L0000436     VOLUME   490336.424 3624461.235 110.80
   LOCATION L0000437     VOLUME   490347.724 3624460.505 109.98
   LOCATION L0000438     VOLUME   490347.724 3624448.313 110.64
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   LOCATION L0000439     VOLUME   490347.724 3624436.121 111.05
   LOCATION L0000440     VOLUME   490339.648 3624433.066 112.61
   LOCATION L0000441     VOLUME   490339.213 3624445.251 112.59
   LOCATION L0000442     VOLUME   490332.886 3624451.107 111.58
   LOCATION L0000443     VOLUME   490320.702 3624450.672 112.24
** End of LINE VOLUME Source ID = NB3
** ------------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources (2W)
** LINE VOLUME Source ID = NB2
** DESCRSRC Building Construction and Arch Coating
** PREFIX
** Length of Side = 6.10
** Configuration = Separated 2W
** Emission Rate = 1.0
** Vertical Dimension = 7.32
** SZINIT = 3.40
** Nodes = 6
** 490329.596, 3624545.321, 110.47, 5.00, 5.67
** 490383.979, 3624543.978, 110.62, 5.00, 5.67
** 490384.651, 3624533.907, 110.47, 5.00, 5.67
** 490330.268, 3624535.250, 110.70, 5.00, 5.67
** 490330.939, 3624521.822, 110.73, 5.00, 5.67
** 490380.622, 3624522.493, 110.33, 5.00, 5.67
** ------------------------------------------------------------------------
   LOCATION L0000384     VOLUME   490332.643 3624545.245 110.38
   LOCATION L0000385     VOLUME   490344.832 3624544.945 110.13
   LOCATION L0000386     VOLUME   490357.020 3624544.644 110.16
   LOCATION L0000387     VOLUME   490369.208 3624544.343 110.26
   LOCATION L0000388     VOLUME   490381.396 3624544.042 110.63
   LOCATION L0000389     VOLUME   490384.618 3624534.391 110.47
   LOCATION L0000390     VOLUME   490372.947 3624534.196 110.60
   LOCATION L0000391     VOLUME   490360.759 3624534.497 110.58
   LOCATION L0000392     VOLUME   490348.571 3624534.798 110.56
   LOCATION L0000393     VOLUME   490336.382 3624535.099 110.64
   LOCATION L0000394     VOLUME   490330.571 3624529.182 110.79
   LOCATION L0000395     VOLUME   490335.761 3624521.887 110.64
   LOCATION L0000396     VOLUME   490347.952 3624522.052 110.43
   LOCATION L0000397     VOLUME   490360.143 3624522.216 110.37
   LOCATION L0000398     VOLUME   490372.334 3624522.381 110.34
** End of LINE VOLUME Source ID = NB2
** Source Parameters **
** LINE VOLUME Source ID = HAUL1A
   SRCPARAM L0000001     0.3333333333      3.05     11.34      3.40
   SRCPARAM L0000002     0.3333333333      3.05     11.34      3.40
   SRCPARAM L0000003     0.3333333333      3.05     11.34      3.40
** ------------------------------------------------------------------------
** LINE VOLUME Source ID = HAULB
   SRCPARAM L0000016     0.1111111111      3.05     11.34      3.40
   SRCPARAM L0000017     0.1111111111      3.05     11.34      3.40
   SRCPARAM L0000018     0.1111111111      3.05     11.34      3.40
   SRCPARAM L0000019     0.1111111111      3.05     11.34      3.40
   SRCPARAM L0000020     0.1111111111      3.05     11.34      3.40
   SRCPARAM L0000021     0.1111111111      3.05     11.34      3.40
   SRCPARAM L0000022     0.1111111111      3.05     11.34      3.40
   SRCPARAM L0000023     0.1111111111      3.05     11.34      3.40
   SRCPARAM L0000024     0.1111111111      3.05     11.34      3.40
** ------------------------------------------------------------------------
** LINE VOLUME Source ID = HAULC
   SRCPARAM L0000025         0.125      3.05     26.94      3.40
   SRCPARAM L0000026         0.125      3.05     26.94      3.40
   SRCPARAM L0000027         0.125      3.05     26.94      3.40
   SRCPARAM L0000028         0.125      3.05     26.94      3.40
   SRCPARAM L0000029         0.125      3.05     26.94      3.40
   SRCPARAM L0000030         0.125      3.05     26.94      3.40
   SRCPARAM L0000031         0.125      3.05     26.94      3.40
   SRCPARAM L0000032         0.125      3.05     26.94      3.40
** ------------------------------------------------------------------------
** LINE VOLUME Source ID = HAUL2A
   SRCPARAM L0000033           0.5      3.05     14.18      3.40
   SRCPARAM L0000034           0.5      3.05     14.18      3.40
** ------------------------------------------------------------------------
** LINE VOLUME Source ID = MOD
   SRCPARAM L0000481     0.0434782609      5.00      5.67      3.40
   SRCPARAM L0000482     0.0434782609      5.00      5.67      3.40
   SRCPARAM L0000483     0.0434782609      5.00      5.67      3.40
   SRCPARAM L0000484     0.0434782609      5.00      5.67      3.40
   SRCPARAM L0000485     0.0434782609      5.00      5.67      3.40
   SRCPARAM L0000486     0.0434782609      5.00      5.67      3.40
   SRCPARAM L0000487     0.0434782609      5.00      5.67      3.40
   SRCPARAM L0000488     0.0434782609      5.00      5.67      3.40
   SRCPARAM L0000489     0.0434782609      5.00      5.67      3.40
   SRCPARAM L0000490     0.0434782609      5.00      5.67      3.40
   SRCPARAM L0000491     0.0434782609      5.00      5.67      3.40
   SRCPARAM L0000492     0.0434782609      5.00      5.67      3.40
   SRCPARAM L0000493     0.0434782609      5.00      5.67      3.40
   SRCPARAM L0000494     0.0434782609      5.00      5.67      3.40
   SRCPARAM L0000495     0.0434782609      5.00      5.67      3.40
   SRCPARAM L0000496     0.0434782609      5.00      5.67      3.40
   SRCPARAM L0000497     0.0434782609      5.00      5.67      3.40
   SRCPARAM L0000498     0.0434782609      5.00      5.67      3.40
   SRCPARAM L0000499     0.0434782609      5.00      5.67      3.40
   SRCPARAM L0000500     0.0434782609      5.00      5.67      3.40
   SRCPARAM L0000501     0.0434782609      5.00      5.67      3.40
   SRCPARAM L0000502     0.0434782609      5.00      5.67      3.40
   SRCPARAM L0000503     0.0434782609      5.00      5.67      3.40
** ------------------------------------------------------------------------
** LINE VOLUME Source ID = NB1
   SRCPARAM L0000444     0.027027027      5.00      5.67      3.40
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   SRCPARAM L0000445     0.027027027      5.00      5.67      3.40
   SRCPARAM L0000446     0.027027027      5.00      5.67      3.40
   SRCPARAM L0000447     0.027027027      5.00      5.67      3.40
   SRCPARAM L0000448     0.027027027      5.00      5.67      3.40
   SRCPARAM L0000449     0.027027027      5.00      5.67      3.40
   SRCPARAM L0000450     0.027027027      5.00      5.67      3.40
   SRCPARAM L0000451     0.027027027      5.00      5.67      3.40
   SRCPARAM L0000452     0.027027027      5.00      5.67      3.40
   SRCPARAM L0000453     0.027027027      5.00      5.67      3.40
   SRCPARAM L0000454     0.027027027      5.00      5.67      3.40
   SRCPARAM L0000455     0.027027027      5.00      5.67      3.40
   SRCPARAM L0000456     0.027027027      5.00      5.67      3.40
   SRCPARAM L0000457     0.027027027      5.00      5.67      3.40
   SRCPARAM L0000458     0.027027027      5.00      5.67      3.40
   SRCPARAM L0000459     0.027027027      5.00      5.67      3.40
   SRCPARAM L0000460     0.027027027      5.00      5.67      3.40
   SRCPARAM L0000461     0.027027027      5.00      5.67      3.40
   SRCPARAM L0000462     0.027027027      5.00      5.67      3.40
   SRCPARAM L0000463     0.027027027      5.00      5.67      3.40
   SRCPARAM L0000464     0.027027027      5.00      5.67      3.40
   SRCPARAM L0000465     0.027027027      5.00      5.67      3.40
   SRCPARAM L0000466     0.027027027      5.00      5.67      3.40
   SRCPARAM L0000467     0.027027027      5.00      5.67      3.40
   SRCPARAM L0000468     0.027027027      5.00      5.67      3.40
   SRCPARAM L0000469     0.027027027      5.00      5.67      3.40
   SRCPARAM L0000470     0.027027027      5.00      5.67      3.40
   SRCPARAM L0000471     0.027027027      5.00      5.67      3.40
   SRCPARAM L0000472     0.027027027      5.00      5.67      3.40
   SRCPARAM L0000473     0.027027027      5.00      5.67      3.40
   SRCPARAM L0000474     0.027027027      5.00      5.67      3.40
   SRCPARAM L0000475     0.027027027      5.00      5.67      3.40
   SRCPARAM L0000476     0.027027027      5.00      5.67      3.40
   SRCPARAM L0000477     0.027027027      5.00      5.67      3.40
   SRCPARAM L0000478     0.027027027      5.00      5.67      3.40
   SRCPARAM L0000479     0.027027027      5.00      5.67      3.40
   SRCPARAM L0000480     0.027027027      5.00      5.67      3.40
** ------------------------------------------------------------------
** LINE VOLUME Source ID = NB3
   SRCPARAM L0000399     0.0222222222      5.00      5.67      3.40
   SRCPARAM L0000400     0.0222222222      5.00      5.67      3.40
   SRCPARAM L0000401     0.0222222222      5.00      5.67      3.40
   SRCPARAM L0000402     0.0222222222      5.00      5.67      3.40
   SRCPARAM L0000403     0.0222222222      5.00      5.67      3.40
   SRCPARAM L0000404     0.0222222222      5.00      5.67      3.40
   SRCPARAM L0000405     0.0222222222      5.00      5.67      3.40
   SRCPARAM L0000406     0.0222222222      5.00      5.67      3.40
   SRCPARAM L0000407     0.0222222222      5.00      5.67      3.40
   SRCPARAM L0000408     0.0222222222      5.00      5.67      3.40
   SRCPARAM L0000409     0.0222222222      5.00      5.67      3.40
   SRCPARAM L0000410     0.0222222222      5.00      5.67      3.40
   SRCPARAM L0000411     0.0222222222      5.00      5.67      3.40
   SRCPARAM L0000412     0.0222222222      5.00      5.67      3.40
   SRCPARAM L0000413     0.0222222222      5.00      5.67      3.40
   SRCPARAM L0000414     0.0222222222      5.00      5.67      3.40
   SRCPARAM L0000415     0.0222222222      5.00      5.67      3.40
   SRCPARAM L0000416     0.0222222222      5.00      5.67      3.40
   SRCPARAM L0000417     0.0222222222      5.00      5.67      3.40
   SRCPARAM L0000418     0.0222222222      5.00      5.67      3.40
   SRCPARAM L0000419     0.0222222222      5.00      5.67      3.40
   SRCPARAM L0000420     0.0222222222      5.00      5.67      3.40
   SRCPARAM L0000421     0.0222222222      5.00      5.67      3.40
   SRCPARAM L0000422     0.0222222222      5.00      5.67      3.40
   SRCPARAM L0000423     0.0222222222      5.00      5.67      3.40
   SRCPARAM L0000424     0.0222222222      5.00      5.67      3.40
   SRCPARAM L0000425     0.0222222222      5.00      5.67      3.40
   SRCPARAM L0000426     0.0222222222      5.00      5.67      3.40
   SRCPARAM L0000427     0.0222222222      5.00      5.67      3.40
   SRCPARAM L0000428     0.0222222222      5.00      5.67      3.40
   SRCPARAM L0000429     0.0222222222      5.00      5.67      3.40
   SRCPARAM L0000430     0.0222222222      5.00      5.67      3.40
   SRCPARAM L0000431     0.0222222222      5.00      5.67      3.40
   SRCPARAM L0000432     0.0222222222      5.00      5.67      3.40
   SRCPARAM L0000433     0.0222222222      5.00      5.67      3.40
   SRCPARAM L0000434     0.0222222222      5.00      5.67      3.40
   SRCPARAM L0000435     0.0222222222      5.00      5.67      3.40
   SRCPARAM L0000436     0.0222222222      5.00      5.67      3.40
   SRCPARAM L0000437     0.0222222222      5.00      5.67      3.40
   SRCPARAM L0000438     0.0222222222      5.00      5.67      3.40
   SRCPARAM L0000439     0.0222222222      5.00      5.67      3.40
   SRCPARAM L0000440     0.0222222222      5.00      5.67      3.40
   SRCPARAM L0000441     0.0222222222      5.00      5.67      3.40
   SRCPARAM L0000442     0.0222222222      5.00      5.67      3.40
   SRCPARAM L0000443     0.0222222222      5.00      5.67      3.40
** ------------------------------------------------------------------
** LINE VOLUME Source ID = NB2
   SRCPARAM L0000384     0.0666666667      5.00      5.67      3.40
   SRCPARAM L0000385     0.0666666667      5.00      5.67      3.40
   SRCPARAM L0000386     0.0666666667      5.00      5.67      3.40
   SRCPARAM L0000387     0.0666666667      5.00      5.67      3.40
   SRCPARAM L0000388     0.0666666667      5.00      5.67      3.40
   SRCPARAM L0000389     0.0666666667      5.00      5.67      3.40
   SRCPARAM L0000390     0.0666666667      5.00      5.67      3.40
   SRCPARAM L0000391     0.0666666667      5.00      5.67      3.40
   SRCPARAM L0000392     0.0666666667      5.00      5.67      3.40
   SRCPARAM L0000393     0.0666666667      5.00      5.67      3.40
   SRCPARAM L0000394     0.0666666667      5.00      5.67      3.40
   SRCPARAM L0000395     0.0666666667      5.00      5.67      3.40
   SRCPARAM L0000396     0.0666666667      5.00      5.67      3.40
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   SRCPARAM L0000397     0.0666666667      5.00      5.67      3.40
   SRCPARAM L0000398     0.0666666667      5.00      5.67      3.40
** ------------------------------------------------------------------------
   URBANSRC ALL

** Variable Emissions Type: "By Hour / Day (HRDOW)"
** Variable Emission Scenario: "Scenario 1"
** WeekDays:
   EMISFACT L0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000001     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000001     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000002     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000003     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000003     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT L0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT L0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT L0000016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000016     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000016     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000017     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000017     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000018     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000018     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000019     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000019     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000020     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000020     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000021     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000021     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000022     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000022     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000023     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000023     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000023     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000023     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000024     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000024     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000024     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000024     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT L0000016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000023     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000023     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000023     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000023     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000024     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000024     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000024     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000024     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT L0000016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000023     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000023     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000023     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000023     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000024     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000024     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000024     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000024     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT L0000025     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000025     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000025     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000025     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000026     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000026     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000026     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000026     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000027     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000027     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000027     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000027     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000028     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000028     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000028     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000028     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000029     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000029     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000029     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000029     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000030     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000030     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000030     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000030     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000031     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000031     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000031     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000031     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000032     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000032     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000032     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000032     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT L0000025     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000025     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000025     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000025     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000026     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000026     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000026     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000026     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000027     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000027     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000027     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000027     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000028     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000028     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000028     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000028     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000029     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000029     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000029     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000029     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000030     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000030     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000030     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000030     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000031     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000031     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000031     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000031     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000032     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000032     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000032     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000032     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT L0000025     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000025     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000025     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000025     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000026     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000026     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000026     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000026     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000027     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000027     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000027     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000027     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000028     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000028     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000028     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000028     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000029     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000029     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000029     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000029     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000030     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000030     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000030     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000030     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000031     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000031     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000031     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000031     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000032     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000032     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000032     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000032     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT L0000033     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000033     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000033     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000033     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000034     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000034     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000034     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000034     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT L0000033     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000033     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000033     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000033     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000034     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000034     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000034     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000034     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT L0000033     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000033     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000033     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000033     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000034     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000034     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000034     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000034     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT L0000481     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000481     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000481     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000481     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000482     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000482     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000482     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000482     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000483     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000483     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
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   EMISFACT L0000483     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
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   EMISFACT L0000484     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
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   EMISFACT L0000485     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000486     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000487     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000487     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
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   EMISFACT L0000503     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT L0000481     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000481     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000484     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000503     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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   EMISFACT L0000481     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000484     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000485     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000485     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000485     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000502     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** WeekDays:
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   EMISFACT L0000444     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000444     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000465     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000465     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000466     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000466     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
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EMISFACT L0000467     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
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EMISFACT L0000468     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
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EMISFACT L0000469     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000469     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000470     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000470     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000470     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000473     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
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EMISFACT L0000474     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
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** Saturday:
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   EMISFACT L0000444     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000445     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000445     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000445     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000447     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** WeekDays:
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   EMISFACT L0000399     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
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   EMISFACT L0000402     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
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   EMISFACT L0000403     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
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EMISFACT L0000440     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
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   EMISFACT L0000434     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000435     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000435     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000435     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000435     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000436     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000436     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000436     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000436     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000437     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000437     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000437     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000437     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000438     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000438     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000438     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000438     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000439     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000439     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000439     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000439     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000440     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000440     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000440     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000440     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000441     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000441     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000441     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000441     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000442     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000442     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000442     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000442     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000443     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000443     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000443     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000443     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT L0000384     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000384     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000384     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000384     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000385     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000385     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000385     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000385     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000386     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000386     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000386     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000386     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000387     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000387     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000387     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
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   EMISFACT L0000387     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000388     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000388     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000388     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000388     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000389     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000389     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000389     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000389     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000390     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000390     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000390     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000390     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000391     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000391     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000391     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000391     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000392     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000392     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000392     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000392     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000393     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000393     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000393     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000393     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000394     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000394     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000394     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000394     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000395     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000395     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000395     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000395     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000396     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000396     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
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   EMISFACT L0000397     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000397     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000397     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000397     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000398     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000398     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000398     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000398     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT L0000384     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000384     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000384     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000384     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000385     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000385     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000385     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000385     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000386     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000386     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000386     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000386     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000387     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000387     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000387     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000387     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000388     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000388     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000388     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000388     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000389     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000389     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000390     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000390     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000390     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000391     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000391     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000391     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000391     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000392     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000392     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000392     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000392     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000393     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000393     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000393     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000394     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000394     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000394     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000395     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000395     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000395     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000396     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000396     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000396     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000396     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000397     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000397     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000397     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000397     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000398     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000398     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000398     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000398     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT L0000384     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000384     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000384     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000384     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000385     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000385     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000385     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000386     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000387     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000387     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000387     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000387     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000388     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000391     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000391     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000391     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000392     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000395     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000396     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000396     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000397     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000397     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000397     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000397     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000398     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000398     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000398     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000398     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   SRCGROUP HAUL2A   L0000033 L0000034
   SRCGROUP HAULB    L0000016 L0000017 L0000018 L0000019 L0000020 L0000021
   SRCGROUP HAULB    L0000022 L0000023 L0000024
   SRCGROUP HAULC    L0000025 L0000026 L0000027 L0000028 L0000029 L0000030
   SRCGROUP HAULC    L0000031 L0000032
   SRCGROUP MOD      L0000481 L0000482 L0000483 L0000484 L0000485 L0000486
   SRCGROUP MOD      L0000487 L0000488 L0000489 L0000490 L0000491 L0000492
   SRCGROUP MOD      L0000493 L0000494 L0000495 L0000496 L0000497 L0000498
   SRCGROUP MOD      L0000499 L0000500 L0000501 L0000502 L0000503
   SRCGROUP NB1      L0000444 L0000445 L0000446 L0000447 L0000448 L0000449
   SRCGROUP NB1      L0000450 L0000451 L0000452 L0000453 L0000454 L0000455
   SRCGROUP NB1      L0000456 L0000457 L0000458 L0000459 L0000460 L0000461
   SRCGROUP NB1      L0000462 L0000463 L0000464 L0000465 L0000466 L0000467
   SRCGROUP NB1      L0000468 L0000469 L0000470 L0000471 L0000472 L0000473
   SRCGROUP NB1      L0000474 L0000475 L0000476 L0000477 L0000478 L0000479
   SRCGROUP NB1      L0000480
   SRCGROUP NB2      L0000384 L0000385 L0000386 L0000387 L0000388 L0000389
   SRCGROUP NB2      L0000390 L0000391 L0000392 L0000393 L0000394 L0000395
   SRCGROUP NB2      L0000396 L0000397 L0000398
   SRCGROUP NB3      L0000399 L0000400 L0000401 L0000402 L0000403 L0000404
   SRCGROUP NB3      L0000405 L0000406 L0000407 L0000408 L0000409 L0000410
   SRCGROUP NB3      L0000411 L0000412 L0000413 L0000414 L0000415 L0000416
   SRCGROUP NB3      L0000417 L0000418 L0000419 L0000420 L0000421 L0000422
   SRCGROUP NB3      L0000423 L0000424 L0000425 L0000426 L0000427 L0000428
   SRCGROUP NB3      L0000429 L0000430 L0000431 L0000432 L0000433 L0000434
   SRCGROUP NB3      L0000435 L0000436 L0000437 L0000438 L0000439 L0000440
   SRCGROUP NB3      L0000441 L0000442 L0000443
   SRCGROUP ALL
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SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "Franklin School.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE "SD International\722900.SFC"
   PROFFILE "SD International\722900.PFL"
   SURFDATA 23188 2009 SAN_DIEGO/LINDBERGH_FIELD
   UAIRDATA 3190 2009
   PROFBASE 4.6 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
** Auto-Generated Plotfiles
   PLOTFILE ANNUAL ALL "Franklin School.AD\AN00GALL.PLT" 31
   PLOTFILE ANNUAL HAUL1A "Franklin School.AD\AN00G001.PLT" 32
   PLOTFILE ANNUAL HAUL2A "Franklin School.AD\AN00G002.PLT" 33
   PLOTFILE ANNUAL HAULB "Franklin School.AD\AN00G003.PLT" 34
   PLOTFILE ANNUAL HAULC "Franklin School.AD\AN00G004.PLT" 35
   PLOTFILE ANNUAL MOD "Franklin School.AD\AN00G005.PLT" 36
   PLOTFILE ANNUAL NB1 "Franklin School.AD\AN00G006.PLT" 37
   PLOTFILE ANNUAL NB2 "Franklin School.AD\AN00G007.PLT" 38
   PLOTFILE ANNUAL NB3 "Franklin School.AD\AN00G008.PLT" 39
   SUMMFILE "Franklin School.sum"
OU FINISHED

 **********************************
 *** SETUP Finishes Successfully ***
 **********************************
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 *** AERMOD - VERSION  18081 ***   *** C:\Lakes\AERMOD View\AERMOD Projects\Franklin School\Franklin School ***
07/10/19
 *** AERMET - VERSION  14134 ***   ***                                                                    ***
14:23:32

PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                                        ***     MODEL SETUP OPTIONS SUMMARY       ***
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - -

 **Model Is Setup For Calculation of Average CONCentration Values.

   --  DEPOSITION LOGIC  --
 **NO GAS DEPOSITION Data Provided.
 **NO PARTICLE DEPOSITION Data Provided.
 **Model Uses NO DRY DEPLETION.  DRYDPLT  =  F
 **Model Uses NO WET DEPLETION.  WETDPLT  =  F

 **Model Uses URBAN Dispersion Algorithm for the SBL for   142 Source(s),
   for Total of    1 Urban Area(s):
   Urban Population =   3337685.0 ;  Urban Roughness Length =  1.000 m

 **Model Uses Regulatory DEFAULT Options:
         1. Stack-tip Downwash.
         2. Model Accounts for ELEVated Terrain Effects.
         3. Use Calms Processing Routine.
         4. Use Missing Data Processing Routine.
         5. No Exponential Decay.
         6. Urban Roughness Length of 1.0 Meter Assumed.

 **Other Options Specified:
         CCVR_Sub - Meteorological data includes CCVR substitutions
         TEMP_Sub - Meteorological data includes TEMP substitutions

 **Model Assumes No FLAGPOLE Receptor Heights.

 **The User Specified a Pollutant Type of:  PM_10

 **Model Calculates ANNUAL Averages Only

 **This Run Includes:    142 Source(s);       9 Source Group(s); and     872 Receptor(s)

                with:      0 POINT(s), including
                           0 POINTCAP(s) and      0 POINTHOR(s)
                 and:    142 VOLUME source(s)
                 and:      0 AREA type source(s)
                 and:      0 LINE source(s)
                 and:      0 OPENPIT source(s)
                 and:      0 BUOYANT LINE source(s) with      0 line(s)


 **Model Set To Continue RUNning After the Setup Testing.

 **The AERMET Input Meteorological Data Version Date:  14134

 **Output Options Selected:
          Model Outputs Tables of ANNUAL Averages by Receptor
          Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
          Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

 **NOTE:  The Following Flags May Appear Following CONC Values:  c for Calm Hours
                                                                 m for Missing Hours
                                                                 b for Both Calm and Missing Hours

 **Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =     4.60 ;  Decay Coef. =    0.000     ;  Rot. Angle =
0.0
                  Emission Units = GRAMS/SEC                                ;  Emission Rate Unit Factor =   0.10000E+07
                  Output Units   = MICROGRAMS/M**3

 **Approximate Storage Requirements of Model =      3.9 MB of RAM.

 **Input Runstream File:          aermod.inp
 **Output Print File:             aermod.out

 **Detailed Error/Message File:   Franklin School.err
 **File for Summary of Results:   Franklin School.sum
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000001	0	0.33333E+00	490259.7	3624424.8	113.8	3.05	11.34	3.40	YES	HRDOW
L0000002	0	0.33333E+00	490259.5	3624400.4	113.7	3.05	11.34	3.40	YES	HRDOW
L0000003	0	0.33333E+00	490259.2	3624376.0	113.4	3.05	11.34	3.40	YES	HRDOW
L0000016	0	0.11111E+00	490259.1	3624357.6	113.5	3.05	11.34	3.40	YES	HRDOW
L0000017	0	0.11111E+00	490259.0	3624333.2	113.5	3.05	11.34	3.40	YES	HRDOW
L0000018	0	0.11111E+00	490258.9	3624308.8	113.5	3.05	11.34	3.40	YES	HRDOW
L0000019	0	0.11111E+00	490258.9	3624284.5	113.4	3.05	11.34	3.40	YES	HRDOW
L0000020	0	0.11111E+00	490258.8	3624260.1	113.4	3.05	11.34	3.40	YES	HRDOW
L0000021	0	0.11111E+00	490258.7	3624235.7	113.4	3.05	11.34	3.40	YES	HRDOW
L0000022	0	0.11111E+00	490258.6	3624211.3	113.3	3.05	11.34	3.40	YES	HRDOW
L0000023	0	0.11111E+00	490258.6	3624186.9	113.4	3.05	11.34	3.40	YES	HRDOW
L0000024	0	0.11111E+00	490258.5	3624162.5	113.4	3.05	11.34	3.40	YES	HRDOW
L0000025	0	0.12500E+00	490244.6	3624148.0	113.5	3.05	26.94	3.40	YES	HRDOW
L0000026	0	0.12500E+00	490186.7	3624148.6	113.7	3.05	26.94	3.40	YES	HRDOW
L0000027	0	0.12500E+00	490128.8	3624149.2	113.9	3.05	26.94	3.40	YES	HRDOW
L0000028	0	0.12500E+00	490070.9	3624149.8	114.0	3.05	26.94	3.40	YES	HRDOW
L0000029	0	0.12500E+00	490013.0	3624150.5	114.0	3.05	26.94	3.40	YES	HRDOW
L0000030	0	0.12500E+00	489955.1	3624151.1	113.9	3.05	26.94	3.40	YES	HRDOW
L0000031	0	0.12500E+00	489897.2	3624151.7	113.9	3.05	26.94	3.40	YES	HRDOW
L0000032	0	0.12500E+00	489839.3	3624152.3	113.9	3.05	26.94	3.40	YES	HRDOW
L0000033	0	0.50000E+00	490297.8	3624362.0	113.1	3.05	14.18	3.40	YES	HRDOW
L0000034	0	0.50000E+00	490267.3	3624362.0	113.5	3.05	14.18	3.40	YES	HRDOW
L0000481	0	0.43478E-01	490314.5	3624541.3	110.8	5.00	5.67	3.40	YES	HRDOW
L0000482	0	0.43478E-01	490302.3	3624541.3	111.5	5.00	5.67	3.40	YES	HRDOW
L0000483	0	0.43478E-01	490290.1	3624541.3	112.0	5.00	5.67	3.40	YES	HRDOW
L0000484	0	0.43478E-01	490279.9	3624539.3	112.7	5.00	5.67	3.40	YES	HRDOW
L0000485	0	0.43478E-01	490279.9	3624527.1	112.9	5.00	5.67	3.40	YES	HRDOW
L0000486	0	0.43478E-01	490279.9	3624514.9	113.1	5.00	5.67	3.40	YES	HRDOW
L0000487	0	0.43478E-01	490279.9	3624502.7	113.2	5.00	5.67	3.40	YES	HRDOW
L0000488	0	0.43478E-01	490279.9	3624490.5	113.4	5.00	5.67	3.40	YES	HRDOW
L0000489	0	0.43478E-01	490279.9	3624478.3	113.6	5.00	5.67	3.40	YES	HRDOW
L0000490	0	0.43478E-01	490279.9	3624466.1	113.6	5.00	5.67	3.40	YES	HRDOW
L0000491	0	0.43478E-01	490279.9	3624453.9	113.6	5.00	5.67	3.40	YES	HRDOW
L0000492	0	0.43478E-01	490279.9	3624441.7	113.8	5.00	5.67	3.40	YES	HRDOW
L0000493	0	0.43478E-01	490285.6	3624435.2	113.7	5.00	5.67	3.40	YES	HRDOW
L0000494	0	0.43478E-01	490291.4	3624441.7	113.6	5.00	5.67	3.40	YES	HRDOW
L0000495	0	0.43478E-01	490291.5	3624453.9	113.4	5.00	5.67	3.40	YES	HRDOW
L0000496	0	0.43478E-01	490291.5	3624466.0	113.4	5.00	5.67	3.40	YES	HRDOW
L0000497	0	0.43478E-01	490291.6	3624478.2	113.3	5.00	5.67	3.40	YES	HRDOW
L0000498	0	0.43478E-01	490291.7	3624490.4	113.2	5.00	5.67	3.40	YES	HRDOW

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000499	0	0.43478E-01	490291.8	3624502.6	112.9	5.00	5.67	3.40	YES	HRDOW
L0000500	0	0.43478E-01	490291.9	3624514.8	112.6	5.00	5.67	3.40	YES	HRDOW
L0000501	0	0.43478E-01	490292.0	3624527.0	112.3	5.00	5.67	3.40	YES	HRDOW
L0000502	0	0.43478E-01	490299.3	3624531.9	111.8	5.00	5.67	3.40	YES	HRDOW
L0000503	0	0.43478E-01	490311.5	3624531.9	111.3	5.00	5.67	3.40	YES	HRDOW
L0000444	0	0.27027E-01	490388.3	3624544.0	110.5	5.00	5.67	3.40	YES	HRDOW
L0000445	0	0.27027E-01	490376.1	3624544.1	110.6	5.00	5.67	3.40	YES	HRDOW
L0000446	0	0.27027E-01	490363.9	3624544.2	110.2	5.00	5.67	3.40	YES	HRDOW
L0000447	0	0.27027E-01	490351.7	3624544.4	110.1	5.00	5.67	3.40	YES	HRDOW
L0000448	0	0.27027E-01	490339.6	3624544.5	110.2	5.00	5.67	3.40	YES	HRDOW
L0000449	0	0.27027E-01	490327.4	3624544.6	110.5	5.00	5.67	3.40	YES	HRDOW
L0000450	0	0.27027E-01	490323.6	3624536.3	110.8	5.00	5.67	3.40	YES	HRDOW
L0000451	0	0.27027E-01	490328.7	3624529.3	110.8	5.00	5.67	3.40	YES	HRDOW
L0000452	0	0.27027E-01	490340.9	3624529.6	110.5	5.00	5.67	3.40	YES	HRDOW
L0000453	0	0.27027E-01	490353.1	3624529.8	110.5	5.00	5.67	3.40	YES	HRDOW
L0000454	0	0.27027E-01	490365.3	3624530.1	110.5	5.00	5.67	3.40	YES	HRDOW
L0000455	0	0.27027E-01	490377.4	3624530.3	110.5	5.00	5.67	3.40	YES	HRDOW
L0000456	0	0.27027E-01	490389.2	3624530.3	110.2	5.00	5.67	3.40	YES	HRDOW
L0000457	0	0.27027E-01	490382.6	3624520.0	110.3	5.00	5.67	3.40	YES	HRDOW
L0000458	0	0.27027E-01	490373.9	3624513.8	110.1	5.00	5.67	3.40	YES	HRDOW
L0000459	0	0.27027E-01	490361.7	3624513.8	110.2	5.00	5.67	3.40	YES	HRDOW
L0000460	0	0.27027E-01	490349.5	3624513.8	110.3	5.00	5.67	3.40	YES	HRDOW
L0000461	0	0.27027E-01	490337.3	3624513.8	110.5	5.00	5.67	3.40	YES	HRDOW
L0000462	0	0.27027E-01	490325.1	3624513.8	110.9	5.00	5.67	3.40	YES	HRDOW
L0000463	0	0.27027E-01	490321.2	3624505.8	111.3	5.00	5.67	3.40	YES	HRDOW
L0000464	0	0.27027E-01	490325.6	3624497.5	110.7	5.00	5.67	3.40	YES	HRDOW
L0000465	0	0.27027E-01	490337.7	3624497.1	110.4	5.00	5.67	3.40	YES	HRDOW
L0000466	0	0.27027E-01	490349.9	3624496.7	110.3	5.00	5.67	3.40	YES	HRDOW
L0000467	0	0.27027E-01	490362.1	3624496.3	109.9	5.00	5.67	3.40	YES	HRDOW
L0000468	0	0.27027E-01	490355.1	3624487.1	109.6	5.00	5.67	3.40	YES	HRDOW
L0000469	0	0.27027E-01	490346.8	3624478.9	110.4	5.00	5.67	3.40	YES	HRDOW
L0000470	0	0.27027E-01	490334.6	3624478.9	110.5	5.00	5.67	3.40	YES	HRDOW
L0000471	0	0.27027E-01	490322.4	3624478.9	111.3	5.00	5.67	3.40	YES	HRDOW
L0000472	0	0.27027E-01	490321.5	3624467.6	111.6	5.00	5.67	3.40	YES	HRDOW
L0000473	0	0.27027E-01	490327.6	3624461.4	110.8	5.00	5.67	3.40	YES	HRDOW
L0000474	0	0.27027E-01	490339.8	3624461.4	110.8	5.00	5.67	3.40	YES	HRDOW
L0000475	0	0.27027E-01	490347.7	3624457.2	110.0	5.00	5.67	3.40	YES	HRDOW
L0000476	0	0.27027E-01	490347.7	3624445.0	110.9	5.00	5.67	3.40	YES	HRDOW
L0000477	0	0.27027E-01	490347.7	3624432.8	111.1	5.00	5.67	3.40	YES	HRDOW
L0000478	0	0.27027E-01	490339.5	3624436.4	112.7	5.00	5.67	3.40	YES	HRDOW

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000479	0	0.27027E-01	490339.1	3624448.6	112.0	5.00	5.67	3.40	YES	HRDOW
L0000480	0	0.27027E-01	490329.6	3624451.0	111.6	5.00	5.67	3.40	YES	HRDOW
L0000399	0	0.22222E-01	490388.3	3624544.0	110.5	5.00	5.67	3.40	YES	HRDOW
L0000400	0	0.22222E-01	490376.1	3624544.1	110.6	5.00	5.67	3.40	YES	HRDOW
L0000401	0	0.22222E-01	490363.9	3624544.2	110.2	5.00	5.67	3.40	YES	HRDOW
L0000402	0	0.22222E-01	490351.7	3624544.4	110.1	5.00	5.67	3.40	YES	HRDOW
L0000403	0	0.22222E-01	490339.6	3624544.5	110.2	5.00	5.67	3.40	YES	HRDOW
L0000404	0	0.22222E-01	490327.4	3624544.6	110.5	5.00	5.67	3.40	YES	HRDOW
L0000405	0	0.22222E-01	490323.6	3624536.3	110.8	5.00	5.67	3.40	YES	HRDOW
L0000406	0	0.22222E-01	490328.7	3624529.3	110.8	5.00	5.67	3.40	YES	HRDOW
L0000407	0	0.22222E-01	490340.9	3624529.6	110.5	5.00	5.67	3.40	YES	HRDOW
L0000408	0	0.22222E-01	490353.1	3624529.8	110.5	5.00	5.67	3.40	YES	HRDOW
L0000409	0	0.22222E-01	490365.3	3624530.1	110.5	5.00	5.67	3.40	YES	HRDOW
L0000410	0	0.22222E-01	490377.4	3624530.3	110.5	5.00	5.67	3.40	YES	HRDOW
L0000411	0	0.22222E-01	490389.2	3624530.3	110.2	5.00	5.67	3.40	YES	HRDOW
L0000412	0	0.22222E-01	490382.6	3624520.0	110.3	5.00	5.67	3.40	YES	HRDOW
L0000413	0	0.22222E-01	490373.9	3624513.8	110.1	5.00	5.67	3.40	YES	HRDOW
L0000414	0	0.22222E-01	490361.7	3624513.8	110.2	5.00	5.67	3.40	YES	HRDOW
L0000415	0	0.22222E-01	490349.5	3624513.8	110.3	5.00	5.67	3.40	YES	HRDOW
L0000416	0	0.22222E-01	490337.3	3624513.8	110.5	5.00	5.67	3.40	YES	HRDOW
L0000417	0	0.22222E-01	490325.1	3624513.8	110.9	5.00	5.67	3.40	YES	HRDOW
L0000418	0	0.22222E-01	490312.9	3624513.8	112.0	5.00	5.67	3.40	YES	HRDOW
L0000419	0	0.22222E-01	490300.7	3624513.8	112.1	5.00	5.67	3.40	YES	HRDOW
L0000420	0	0.22222E-01	490298.3	3624503.6	112.6	5.00	5.67	3.40	YES	HRDOW
L0000421	0	0.22222E-01	490304.3	3624497.5	112.5	5.00	5.67	3.40	YES	HRDOW
L0000422	0	0.22222E-01	490316.5	3624497.3	112.3	5.00	5.67	3.40	YES	HRDOW
L0000423	0	0.22222E-01	490328.7	3624497.0	110.6	5.00	5.67	3.40	YES	HRDOW
L0000424	0	0.22222E-01	490340.9	3624496.8	110.3	5.00	5.67	3.40	YES	HRDOW
L0000425	0	0.22222E-01	490353.0	3624496.5	110.3	5.00	5.67	3.40	YES	HRDOW
L0000426	0	0.22222E-01	490360.8	3624494.2	110.0	5.00	5.67	3.40	YES	HRDOW
L0000427	0	0.22222E-01	490353.1	3624484.7	109.8	5.00	5.67	3.40	YES	HRDOW
L0000428	0	0.22222E-01	490343.7	3624478.8	110.4	5.00	5.67	3.40	YES	HRDOW
L0000429	0	0.22222E-01	490331.5	3624478.6	110.6	5.00	5.67	3.40	YES	HRDOW
L0000430	0	0.22222E-01	490319.3	3624478.5	112.0	5.00	5.67	3.40	YES	HRDOW
L0000431	0	0.22222E-01	490307.1	3624478.3	112.7	5.00	5.67	3.40	YES	HRDOW
L0000432	0	0.22222E-01	490299.7	3624473.8	112.8	5.00	5.67	3.40	YES	HRDOW
L0000433	0	0.22222E-01	490300.7	3624461.6	113.1	5.00	5.67	3.40	YES	HRDOW
L0000434	0	0.22222E-01	490312.0	3624460.9	112.9	5.00	5.67	3.40	YES	HRDOW
L0000435	0	0.22222E-01	490324.2	3624461.1	111.1	5.00	5.67	3.40	YES	HRDOW
L0000436	0	0.22222E-01	490336.4	3624461.2	110.8	5.00	5.67	3.40	YES	HRDOW

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000437	0	0.22222E-01	490347.7	3624460.5	110.0	5.00	5.67	3.40	YES	HRDOW
L0000438	0	0.22222E-01	490347.7	3624448.3	110.6	5.00	5.67	3.40	YES	HRDOW
L0000439	0	0.22222E-01	490347.7	3624436.1	111.0	5.00	5.67	3.40	YES	HRDOW
L0000440	0	0.22222E-01	490339.6	3624433.1	112.6	5.00	5.67	3.40	YES	HRDOW
L0000441	0	0.22222E-01	490339.2	3624445.3	112.6	5.00	5.67	3.40	YES	HRDOW
L0000442	0	0.22222E-01	490332.9	3624451.1	111.6	5.00	5.67	3.40	YES	HRDOW
L0000443	0	0.22222E-01	490320.7	3624450.7	112.2	5.00	5.67	3.40	YES	HRDOW
L0000384	0	0.66667E-01	490332.6	3624545.2	110.4	5.00	5.67	3.40	YES	HRDOW
L0000385	0	0.66667E-01	490344.8	3624544.9	110.1	5.00	5.67	3.40	YES	HRDOW
L0000386	0	0.66667E-01	490357.0	3624544.6	110.2	5.00	5.67	3.40	YES	HRDOW
L0000387	0	0.66667E-01	490369.2	3624544.3	110.3	5.00	5.67	3.40	YES	HRDOW
L0000388	0	0.66667E-01	490381.4	3624544.0	110.6	5.00	5.67	3.40	YES	HRDOW
L0000389	0	0.66667E-01	490384.6	3624534.4	110.5	5.00	5.67	3.40	YES	HRDOW
L0000390	0	0.66667E-01	490372.9	3624534.2	110.6	5.00	5.67	3.40	YES	HRDOW
L0000391	0	0.66667E-01	490360.8	3624534.5	110.6	5.00	5.67	3.40	YES	HRDOW
L0000392	0	0.66667E-01	490348.6	3624534.8	110.6	5.00	5.67	3.40	YES	HRDOW
L0000393	0	0.66667E-01	490336.4	3624535.1	110.6	5.00	5.67	3.40	YES	HRDOW
L0000394	0	0.66667E-01	490330.6	3624529.2	110.8	5.00	5.67	3.40	YES	HRDOW
L0000395	0	0.66667E-01	490335.8	3624521.9	110.6	5.00	5.67	3.40	YES	HRDOW
L0000396	0	0.66667E-01	490348.0	3624522.1	110.4	5.00	5.67	3.40	YES	HRDOW
L0000397	0	0.66667E-01	490360.1	3624522.2	110.4	5.00	5.67	3.40	YES	HRDOW
L0000398	0	0.66667E-01	490372.3	3624522.4	110.3	5.00	5.67	3.40	YES	HRDOW

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
HAUL1A	L0000001 , L0000002 , L0000003 ,
HAUL2A	L0000033 , L0000034 ,
HAULB	L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 ,
	L0000024 ,
HAULC	L0000025 , L0000026 , L0000027 , L0000028 , L0000029 , L0000030 , L0000031 , L0000032 ,
MOD	L0000481 , L0000482 , L0000483 , L0000484 , L0000485 , L0000486 , L0000487 , L0000488 ,
	L0000489 , L0000490 , L0000491 , L0000492 , L0000493 , L0000494 , L0000495 , L0000496 ,
	L0000497 , L0000498 , L0000499 , L0000500 , L0000501 , L0000502 , L0000503 ,
NB1	L0000444 , L0000445 , L0000446 , L0000447 , L0000448 , L0000449 , L0000450 , L0000451 ,
	L0000452 , L0000453 , L0000454 , L0000455 , L0000456 , L0000457 , L0000458 , L0000459 ,
	L0000460 , L0000461 , L0000462 , L0000463 , L0000464 , L0000465 , L0000466 , L0000467 ,
	L0000468 , L0000469 , L0000470 , L0000471 , L0000472 , L0000473 , L0000474 , L0000475 ,
	L0000476 , L0000477 , L0000478 , L0000479 , L0000480 ,
NB2	L0000384 , L0000385 , L0000386 , L0000387 , L0000388 , L0000389 , L0000390 , L0000391 ,
	L0000392 , L0000393 , L0000394 , L0000395 , L0000396 , L0000397 , L0000398 ,
NB3	L0000399 , L0000400 , L0000401 , L0000402 , L0000403 , L0000404 , L0000405 , L0000406 ,
	L0000407 , L0000408 , L0000409 , L0000410 , L0000411 , L0000412 , L0000413 , L0000414 ,
	L0000415 , L0000416 , L0000417 , L0000418 , L0000419 , L0000420 , L0000421 , L0000422 ,
	L0000423 , L0000424 , L0000425 , L0000426 , L0000427 , L0000428 , L0000429 , L0000430 ,
	L0000431 , L0000432 , L0000433 , L0000434 , L0000435 , L0000436 , L0000437 , L0000438 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
	L0000439 , L0000440 , L0000441 , L0000442 , L0000443 ,
ALL	L0000001 , L0000002 , L0000003 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 ,
	L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 ,
	L0000029 , L0000030 , L0000031 , L0000032 , L0000033 , L0000034 , L0000481 , L0000482 ,
	L0000483 , L0000484 , L0000485 , L0000486 , L0000487 , L0000488 , L0000489 , L0000490 ,
	L0000491 , L0000492 , L0000493 , L0000494 , L0000495 , L0000496 , L0000497 , L0000498 ,
	L0000499 , L0000500 , L0000501 , L0000502 , L0000503 , L0000444 , L0000445 , L0000446 ,
	L0000447 , L0000448 , L0000449 , L0000450 , L0000451 , L0000452 , L0000453 , L0000454 ,
	L0000455 , L0000456 , L0000457 , L0000458 , L0000459 , L0000460 , L0000461 , L0000462 ,
	L0000463 , L0000464 , L0000465 , L0000466 , L0000467 , L0000468 , L0000469 , L0000470 ,
	L0000471 , L0000472 , L0000473 , L0000474 , L0000475 , L0000476 , L0000477 , L0000478 ,
	L0000479 , L0000480 , L0000399 , L0000400 , L0000401 , L0000402 , L0000403 , L0000404 ,
	L0000405 , L0000406 , L0000407 , L0000408 , L0000409 , L0000410 , L0000411 , L0000412 ,
	L0000413 , L0000414 , L0000415 , L0000416 , L0000417 , L0000418 , L0000419 , L0000420 ,
	L0000421 , L0000422 , L0000423 , L0000424 , L0000425 , L0000426 , L0000427 , L0000428 ,
	L0000429 , L0000430 , L0000431 , L0000432 , L0000433 , L0000434 , L0000435 , L0000436 ,
	L0000437 , L0000438 , L0000439 , L0000440 , L0000441 , L0000442 , L0000443 , L0000384 ,
	L0000385 , L0000386 , L0000387 , L0000388 , L0000389 , L0000390 , L0000391 , L0000392 ,
	L0000393 , L0000394 , L0000395 , L0000396 , L0000397 , L0000398 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
	3337685.	L0000001 , L0000002 , L0000003 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 ,
		L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 ,
		L0000029 , L0000030 , L0000031 , L0000032 , L0000033 , L0000034 , L0000481 , L0000482 ,
		L0000483 , L0000484 , L0000485 , L0000486 , L0000487 , L0000488 , L0000489 , L0000490 ,
		L0000491 , L0000492 , L0000493 , L0000494 , L0000495 , L0000496 , L0000497 , L0000498 ,
		L0000499 , L0000500 , L0000501 , L0000502 , L0000503 , L0000444 , L0000445 , L0000446 ,
		L0000447 , L0000448 , L0000449 , L0000450 , L0000451 , L0000452 , L0000453 , L0000454 ,
		L0000455 , L0000456 , L0000457 , L0000458 , L0000459 , L0000460 , L0000461 , L0000462 ,
		L0000463 , L0000464 , L0000465 , L0000466 , L0000467 , L0000468 , L0000469 , L0000470 ,
		L0000471 , L0000472 , L0000473 , L0000474 , L0000475 , L0000476 , L0000477 , L0000478 ,
		L0000479 , L0000480 , L0000399 , L0000400 , L0000401 , L0000402 , L0000403 , L0000404 ,
		L0000405 , L0000406 , L0000407 , L0000408 , L0000409 , L0000410 , L0000411 , L0000412 ,
		L0000413 , L0000414 , L0000415 , L0000416 , L0000417 , L0000418 , L0000419 , L0000420 ,
		L0000421 , L0000422 , L0000423 , L0000424 , L0000425 , L0000426 , L0000427 , L0000428 ,
		L0000429 , L0000430 , L0000431 , L0000432 , L0000433 , L0000434 , L0000435 , L0000436 ,
		L0000437 , L0000438 , L0000439 , L0000440 , L0000441 , L0000442 , L0000443 , L0000384 ,
		L0000385 , L0000386 , L0000387 , L0000388 , L0000389 , L0000390 , L0000391 , L0000392 ,
		L0000393 , L0000394 , L0000395 , L0000396 , L0000397 , L0000398 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000001 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000002 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000003 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000016 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000017 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000018 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000019 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000020 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000021 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000022 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000023 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000024 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000025 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000026 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000027 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000028 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000029 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000030 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000031 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000032 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000033 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000034 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000481 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000482 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000483 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000484 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000485 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000486 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000487 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000488 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000489 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000490 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000491 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000492 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000493 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000494 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000495 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000496 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000497 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000498 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000499 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000500 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000501 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000502 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000503 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000444 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000445 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000446 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000447 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000448 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000449 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000450 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000451 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000452 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000453 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000454 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000455 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000456 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000457 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000458 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000459 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000460 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000461 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000462 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000463 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000464 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000465 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000466 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000467 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000468 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000469 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000470 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000471 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000472 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000473 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000474 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000475 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000476 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000477 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000478 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000479 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000480 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000399 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000400 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000401 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000402 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000403 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000404 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000405 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000406 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000407 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000408 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000409 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000410 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000411 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000412 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000413 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000414 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000415 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000416 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000417 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000418 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000419 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000420 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000421 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000422 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000423 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000424 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000425 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000426 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000427 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000428 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000429 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000430 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000431 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000432 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000433 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000434 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000435 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000436 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000437 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000438 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000439 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000440 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000441 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000442 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000443 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000384 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000385 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000386 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000387 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000388 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000389 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000390 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000391 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000392 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000393 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000394 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000395 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000396 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000397 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000398 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(489960.0, 3624026.0, 113.3, 113.3, 0.0); (490010.0, 3624026.0, 113.5, 113.5, 0.0);
(490060.0, 3624026.0, 113.5, 113.5, 0.0); (490110.0, 3624026.0, 113.5, 113.5, 0.0);
(490160.0, 3624026.0, 113.5, 113.5, 0.0); (490210.0, 3624026.0, 113.5, 113.5, 0.0);
(490260.0, 3624026.0, 113.1, 113.1, 0.0); (490310.0, 3624026.0, 113.6, 113.6, 0.0);
(490360.0, 3624026.0, 113.1, 113.1, 0.0); (490410.0, 3624026.0, 113.7, 113.7, 0.0);
(490460.0, 3624026.0, 112.1, 112.1, 0.0); (490510.0, 3624026.0, 111.1, 111.1, 0.0);
(490560.0, 3624026.0, 111.1, 111.1, 0.0); (490610.0, 3624026.0, 111.4, 111.4, 0.0);
(490660.0, 3624026.0, 111.4, 111.4, 0.0); (490710.0, 3624026.0, 111.7, 111.7, 0.0);
(489960.0, 3624076.0, 113.4, 113.4, 0.0); (490010.0, 3624076.0, 113.4, 113.4, 0.0);
(490060.0, 3624076.0, 113.6, 113.6, 0.0); (490110.0, 3624076.0, 113.6, 113.6, 0.0);
(490160.0, 3624076.0, 113.6, 113.6, 0.0); (490210.0, 3624076.0, 113.6, 113.6, 0.0);
(490260.0, 3624076.0, 113.1, 113.1, 0.0); (490310.0, 3624076.0, 113.5, 113.5, 0.0);
(490360.0, 3624076.0, 113.1, 113.1, 0.0); (490410.0, 3624076.0, 113.4, 113.4, 0.0);
(490460.0, 3624076.0, 111.8, 111.8, 0.0); (490510.0, 3624076.0, 110.5, 110.5, 0.0);
(490560.0, 3624076.0, 110.5, 110.5, 0.0); (490610.0, 3624076.0, 111.1, 111.1, 0.0);
(490660.0, 3624076.0, 111.1, 111.1, 0.0); (490710.0, 3624076.0, 111.5, 111.5, 0.0);
(489960.0, 3624126.0, 113.6, 113.6, 0.0); (490010.0, 3624126.0, 113.8, 113.8, 0.0);
(490060.0, 3624126.0, 113.8, 113.8, 0.0); (490110.0, 3624126.0, 113.7, 113.7, 0.0);
(490160.0, 3624126.0, 113.7, 113.7, 0.0); (490210.0, 3624126.0, 113.7, 113.7, 0.0);
(490260.0, 3624126.0, 113.2, 113.2, 0.0); (490310.0, 3624126.0, 113.3, 113.3, 0.0);
(490360.0, 3624126.0, 113.2, 113.2, 0.0); (490410.0, 3624126.0, 113.1, 113.1, 0.0);
(490460.0, 3624126.0, 111.4, 111.4, 0.0); (490510.0, 3624126.0, 109.9, 109.9, 0.0);
(490560.0, 3624126.0, 109.9, 109.9, 0.0); (490610.0, 3624126.0, 110.3, 110.3, 0.0);
(490660.0, 3624126.0, 110.8, 110.8, 0.0); (490710.0, 3624126.0, 111.0, 111.0, 0.0);
(489960.0, 3624176.0, 113.8, 113.8, 0.0); (490010.0, 3624176.0, 114.0, 114.0, 0.0);
(490060.0, 3624176.0, 113.9, 113.9, 0.0); (490110.0, 3624176.0, 113.8, 113.8, 0.0);
(490160.0, 3624176.0, 113.7, 113.7, 0.0); (490210.0, 3624176.0, 113.6, 113.6, 0.0);
(490260.0, 3624176.0, 113.4, 113.4, 0.0); (490310.0, 3624176.0, 113.8, 113.8, 0.0);
(490360.0, 3624176.0, 113.6, 113.6, 0.0); (490410.0, 3624176.0, 113.1, 113.1, 0.0);
(490460.0, 3624176.0, 110.9, 110.9, 0.0); (490510.0, 3624176.0, 110.1, 110.1, 0.0);
(490560.0, 3624176.0, 109.6, 109.6, 0.0); (490610.0, 3624176.0, 110.2, 110.2, 0.0);
(490660.0, 3624176.0, 111.0, 111.0, 0.0); (490710.0, 3624176.0, 111.1, 111.1, 0.0);
(489960.0, 3624226.0, 114.0, 114.0, 0.0); (490010.0, 3624226.0, 114.1, 114.1, 0.0);
(490060.0, 3624226.0, 114.0, 114.0, 0.0); (490110.0, 3624226.0, 113.8, 113.8, 0.0);
(490160.0, 3624226.0, 113.8, 113.8, 0.0); (490210.0, 3624226.0, 113.6, 113.6, 0.0);
(490260.0, 3624226.0, 113.4, 113.4, 0.0); (490310.0, 3624226.0, 113.6, 113.6, 0.0);
(490360.0, 3624226.0, 113.2, 113.2, 0.0); (490410.0, 3624226.0, 111.6, 111.6, 0.0);
(490460.0, 3624226.0, 109.3, 109.3, 0.0); (490510.0, 3624226.0, 109.7, 109.7, 0.0);
(490560.0, 3624226.0, 109.5, 109.5, 0.0); (490610.0, 3624226.0, 110.6, 110.6, 0.0);
(490660.0, 3624226.0, 111.3, 111.3, 0.0); (490710.0, 3624226.0, 111.2, 111.2, 0.0);
(489960.0, 3624276.0, 114.2, 114.2, 0.0); (490010.0, 3624276.0, 114.3, 114.3, 0.0);
(490060.0, 3624276.0, 114.0, 114.0, 0.0); (490110.0, 3624276.0, 113.9, 113.9, 0.0);
(490160.0, 3624276.0, 113.9, 113.9, 0.0); (490210.0, 3624276.0, 113.7, 113.7, 0.0);

```
     ( 490260.0, 3624276.0,     113.5,     113.5,       0.0);         ( 490310.0, 3624276.0,     113.0,     113.0,
0.0);
     ( 490360.0, 3624276.0,     112.7,     112.7,       0.0);         ( 490410.0, 3624276.0,     109.9,     112.7,
0.0);
```

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(490460.0, 3624276.0, 108.2, 108.2, 0.0); (490510.0, 3624276.0, 108.7, 108.7, 0.0);
(490560.0, 3624276.0, 109.4, 109.4, 0.0); (490610.0, 3624276.0, 110.8, 110.8, 0.0);
(490660.0, 3624276.0, 111.1, 111.1, 0.0); (490710.0, 3624276.0, 111.3, 111.3, 0.0);
(489960.0, 3624326.0, 114.5, 114.5, 0.0); (490010.0, 3624326.0, 114.5, 114.5, 0.0);
(490060.0, 3624326.0, 114.1, 114.1, 0.0); (490110.0, 3624326.0, 113.9, 113.9, 0.0);
(490160.0, 3624326.0, 113.9, 113.9, 0.0); (490210.0, 3624326.0, 113.7, 113.7, 0.0);
(490260.0, 3624326.0, 113.5, 113.5, 0.0); (490310.0, 3624326.0, 112.8, 112.8, 0.0);
(490360.0, 3624326.0, 112.2, 112.2, 0.0); (490410.0, 3624326.0, 109.4, 112.5, 0.0);
(490460.0, 3624326.0, 108.0, 108.0, 0.0); (490510.0, 3624326.0, 108.9, 108.9, 0.0);
(490560.0, 3624326.0, 109.3, 109.3, 0.0); (490610.0, 3624326.0, 110.2, 110.2, 0.0);
(490660.0, 3624326.0, 110.5, 110.5, 0.0); (490710.0, 3624326.0, 111.5, 111.5, 0.0);
(489960.0, 3624376.0, 114.6, 114.6, 0.0); (490010.0, 3624376.0, 114.3, 114.3, 0.0);
(490060.0, 3624376.0, 114.0, 114.0, 0.0); (490110.0, 3624376.0, 113.8, 113.8, 0.0);
(490160.0, 3624376.0, 113.7, 113.7, 0.0); (490410.0, 3624376.0, 109.6, 109.6, 0.0);
(490460.0, 3624376.0, 108.6, 108.6, 0.0); (490510.0, 3624376.0, 109.1, 109.1, 0.0);
(490560.0, 3624376.0, 109.1, 109.1, 0.0); (490610.0, 3624376.0, 109.9, 109.9, 0.0);
(490660.0, 3624376.0, 111.0, 111.0, 0.0); (490710.0, 3624376.0, 111.6, 111.6, 0.0);
(489960.0, 3624426.0, 114.7, 114.7, 0.0); (490010.0, 3624426.0, 114.5, 114.5, 0.0);
(490060.0, 3624426.0, 114.3, 114.3, 0.0); (490110.0, 3624426.0, 114.1, 114.1, 0.0);
(490160.0, 3624426.0, 114.3, 114.3, 0.0); (490410.0, 3624426.0, 109.5, 109.5, 0.0);
(490460.0, 3624426.0, 108.2, 108.7, 0.0); (490510.0, 3624426.0, 105.8, 111.2, 0.0);
(490560.0, 3624426.0, 110.2, 111.1, 0.0); (490610.0, 3624426.0, 110.2, 110.2, 0.0);
(490660.0, 3624426.0, 111.3, 111.3, 0.0); (490710.0, 3624426.0, 111.6, 111.6, 0.0);
(489960.0, 3624476.0, 114.8, 114.8, 0.0); (490010.0, 3624476.0, 114.6, 114.6, 0.0);
(490060.0, 3624476.0, 114.6, 114.6, 0.0); (490110.0, 3624476.0, 114.3, 114.3, 0.0);
(490160.0, 3624476.0, 114.9, 114.9, 0.0); (490410.0, 3624476.0, 105.1, 112.7, 0.0);
(490460.0, 3624476.0, 104.0, 109.2, 0.0); (490510.0, 3624476.0, 104.0, 111.2, 0.0);
(490560.0, 3624476.0, 111.0, 111.0, 0.0); (490610.0, 3624476.0, 110.4, 110.4, 0.0);
(490660.0, 3624476.0, 111.8, 111.8, 0.0); (490710.0, 3624476.0, 111.8, 111.8, 0.0);
(489960.0, 3624526.0, 114.9, 114.9, 0.0); (490010.0, 3624526.0, 115.1, 115.1, 0.0);
(490060.0, 3624526.0, 114.8, 114.8, 0.0); (490110.0, 3624526.0, 114.8, 114.8, 0.0);
(490160.0, 3624526.0, 114.9, 114.9, 0.0); (490410.0, 3624526.0, 109.4, 109.4, 0.0);
(490460.0, 3624526.0, 104.5, 110.2, 0.0); (490510.0, 3624526.0, 100.8, 111.3, 0.0);
(490560.0, 3624526.0, 110.0, 111.0, 0.0); (490610.0, 3624526.0, 110.5, 110.5, 0.0);
(490660.0, 3624526.0, 112.1, 112.1, 0.0); (490710.0, 3624526.0, 112.0, 112.0, 0.0);
(489960.0, 3624576.0, 115.5, 115.5, 0.0); (490010.0, 3624576.0, 115.4, 115.4, 0.0);
(490060.0, 3624576.0, 115.4, 115.4, 0.0); (490110.0, 3624576.0, 115.2, 115.2, 0.0);
(490160.0, 3624576.0, 114.4, 114.4, 0.0); (490210.0, 3624576.0, 113.7, 113.7, 0.0);
(490260.0, 3624576.0, 112.7, 112.7, 0.0); (490310.0, 3624576.0, 111.1, 111.1, 0.0);
(490360.0, 3624576.0, 110.8, 110.8, 0.0); (490410.0, 3624576.0, 110.0, 110.0, 0.0);
(490460.0, 3624576.0, 109.0, 109.0, 0.0); (490510.0, 3624576.0, 98.3, 112.2, 0.0);
(490560.0, 3624576.0, 98.1, 112.5, 0.0); (490610.0, 3624576.0, 110.9, 110.9, 0.0);
(490660.0, 3624576.0, 111.7, 111.7, 0.0); (490710.0, 3624576.0, 112.0, 112.0, 0.0);

```
     ( 489960.0, 3624626.0,     115.5,     115.5,       0.0);         ( 490010.0, 3624626.0,     115.4,     115.4,
0.0);
     ( 490060.0, 3624626.0,     115.5,     115.5,       0.0);         ( 490110.0, 3624626.0,     114.9,     114.9,
0.0);
```

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(490160.0, 3624626.0, 114.0, 114.0, 0.0); (490210.0, 3624626.0, 113.4, 113.4, 0.0);
(490260.0, 3624626.0, 112.4, 112.4, 0.0); (490310.0, 3624626.0, 111.8, 111.8, 0.0);
(490360.0, 3624626.0, 112.2, 112.2, 0.0); (490410.0, 3624626.0, 109.5, 112.0, 0.0);
(490460.0, 3624626.0, 109.5, 109.5, 0.0); (490510.0, 3624626.0, 106.8, 107.7, 0.0);
(490560.0, 3624626.0, 95.2, 112.5, 0.0); (490610.0, 3624626.0, 103.9, 112.4, 0.0);
(490660.0, 3624626.0, 111.2, 111.2, 0.0); (490710.0, 3624626.0, 111.8, 111.8, 0.0);
(489960.0, 3624676.0, 115.4, 115.4, 0.0); (490010.0, 3624676.0, 115.2, 115.2, 0.0);
(490060.0, 3624676.0, 114.9, 114.9, 0.0); (490110.0, 3624676.0, 114.3, 114.3, 0.0);
(490160.0, 3624676.0, 113.8, 113.8, 0.0); (490210.0, 3624676.0, 113.0, 113.0, 0.0);
(490260.0, 3624676.0, 112.1, 112.1, 0.0); (490310.0, 3624676.0, 111.8, 111.8, 0.0);
(490360.0, 3624676.0, 111.0, 111.0, 0.0); (490410.0, 3624676.0, 106.1, 112.5, 0.0);
(490460.0, 3624676.0, 98.2, 112.5, 0.0); (490510.0, 3624676.0, 98.4, 112.5, 0.0);
(490560.0, 3624676.0, 97.2, 112.4, 0.0); (490610.0, 3624676.0, 91.2, 112.5, 0.0);
(490660.0, 3624676.0, 105.5, 112.0, 0.0); (490710.0, 3624676.0, 111.4, 111.4, 0.0);
(489960.0, 3624726.0, 115.0, 115.0, 0.0); (490010.0, 3624726.0, 114.7, 114.7, 0.0);
(490060.0, 3624726.0, 114.4, 114.4, 0.0); (490110.0, 3624726.0, 114.1, 114.1, 0.0);
(490160.0, 3624726.0, 113.6, 113.6, 0.0); (490210.0, 3624726.0, 112.5, 112.5, 0.0);
(490260.0, 3624726.0, 111.2, 111.2, 0.0); (490310.0, 3624726.0, 108.7, 110.8, 0.0);
(490360.0, 3624726.0, 108.0, 108.0, 0.0); (490410.0, 3624726.0, 104.6, 110.2, 0.0);
(490460.0, 3624726.0, 106.3, 110.2, 0.0); (490510.0, 3624726.0, 109.5, 110.5, 0.0);
(490560.0, 3624726.0, 108.4, 108.4, 0.0); (490610.0, 3624726.0, 89.4, 112.5, 0.0);
(490660.0, 3624726.0, 88.0, 112.5, 0.0); (490710.0, 3624726.0, 106.8, 111.6, 0.0);
(489960.0, 3624776.0, 114.3, 114.3, 0.0); (490010.0, 3624776.0, 114.1, 114.1, 0.0);
(490060.0, 3624776.0, 113.9, 113.9, 0.0); (490110.0, 3624776.0, 113.5, 113.5, 0.0);
(490160.0, 3624776.0, 113.0, 113.0, 0.0); (490210.0, 3624776.0, 112.2, 112.2, 0.0);
(490260.0, 3624776.0, 111.6, 111.6, 0.0); (490310.0, 3624776.0, 110.9, 110.9, 0.0);
(490360.0, 3624776.0, 109.8, 109.8, 0.0); (490410.0, 3624776.0, 107.9, 110.3, 0.0);
(490460.0, 3624776.0, 110.0, 110.0, 0.0); (490510.0, 3624776.0, 111.0, 111.0, 0.0);
(490560.0, 3624776.0, 110.7, 110.7, 0.0); (490610.0, 3624776.0, 106.1, 110.9, 0.0);
(490660.0, 3624776.0, 85.9, 112.5, 0.0); (490710.0, 3624776.0, 85.5, 112.5, 0.0);
(489960.0, 3624826.0, 114.7, 114.7, 0.0); (490010.0, 3624826.0, 114.3, 114.3, 0.0);
(490060.0, 3624826.0, 114.0, 114.0, 0.0); (490110.0, 3624826.0, 114.1, 114.1, 0.0);
(490160.0, 3624826.0, 113.1, 113.1, 0.0); (490210.0, 3624826.0, 113.1, 113.1, 0.0);
(490260.0, 3624826.0, 112.1, 112.1, 0.0); (490310.0, 3624826.0, 111.3, 111.3, 0.0);
(490360.0, 3624826.0, 110.8, 110.8, 0.0); (490410.0, 3624826.0, 109.6, 109.6, 0.0);
(490460.0, 3624826.0, 110.0, 110.0, 0.0); (490510.0, 3624826.0, 110.9, 110.9, 0.0);
(490560.0, 3624826.0, 111.3, 111.3, 0.0); (490610.0, 3624826.0, 111.0, 111.0, 0.0);
(490660.0, 3624826.0, 100.1, 111.8, 0.0); (490710.0, 3624826.0, 82.3, 112.5, 0.0);
(489960.0, 3624876.0, 114.3, 114.3, 0.0); (490010.0, 3624876.0, 114.5, 114.5, 0.0);
(490060.0, 3624876.0, 114.1, 114.1, 0.0); (490110.0, 3624876.0, 113.6, 113.6, 0.0);
(490160.0, 3624876.0, 113.3, 113.3, 0.0); (490210.0, 3624876.0, 113.1, 113.1, 0.0);
(490260.0, 3624876.0, 112.5, 112.5, 0.0); (490310.0, 3624876.0, 111.6, 111.6, 0.0);
(490360.0, 3624876.0, 110.9, 110.9, 0.0); (490410.0, 3624876.0, 110.5, 110.5, 0.0);

```
     ( 490460.0, 3624876.0,     110.8,     110.8,       0.0);         ( 490510.0, 3624876.0,     111.2,     111.2,
0.0);
     ( 490560.0, 3624876.0,     111.2,     111.2,       0.0);         ( 490610.0, 3624876.0,     110.9,     110.9,
0.0);
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(490660.0, 3624876.0, 103.2, 111.7, 0.0); (490710.0, 3624876.0, 83.9, 112.3, 0.0);
(490210.0, 3624326.0, 113.7, 113.7, 0.0); (490220.0, 3624326.0, 113.9, 113.9, 0.0);
(490230.0, 3624326.0, 113.9, 113.9, 0.0); (490240.0, 3624326.0, 113.9, 113.9, 0.0);
(490250.0, 3624326.0, 113.6, 113.6, 0.0); (490260.0, 3624326.0, 113.5, 113.5, 0.0);
(490270.0, 3624326.0, 113.5, 113.5, 0.0); (490280.0, 3624326.0, 113.5, 113.5, 0.0);
(490290.0, 3624326.0, 113.5, 113.5, 0.0); (490300.0, 3624326.0, 113.2, 113.2, 0.0);
(490310.0, 3624326.0, 112.8, 112.8, 0.0); (490320.0, 3624326.0, 112.8, 112.8, 0.0);
(490330.0, 3624326.0, 112.7, 112.7, 0.0); (490340.0, 3624326.0, 112.5, 112.5, 0.0);
(490350.0, 3624326.0, 112.2, 112.2, 0.0); (490360.0, 3624326.0, 112.2, 112.2, 0.0);
(490370.0, 3624326.0, 111.9, 111.9, 0.0); (490380.0, 3624326.0, 111.3, 111.3, 0.0);
(490390.0, 3624326.0, 110.6, 112.5, 0.0); (490400.0, 3624326.0, 110.1, 112.5, 0.0);
(490410.0, 3624326.0, 109.4, 112.5, 0.0); (490420.0, 3624326.0, 108.6, 112.5, 0.0);
(490430.0, 3624326.0, 108.5, 108.5, 0.0); (490440.0, 3624326.0, 108.4, 108.4, 0.0);
(490450.0, 3624326.0, 108.1, 108.1, 0.0); (490460.0, 3624326.0, 108.0, 108.0, 0.0);
(490210.0, 3624336.0, 113.7, 113.7, 0.0); (490220.0, 3624336.0, 113.9, 113.9, 0.0);
(490230.0, 3624336.0, 114.0, 114.0, 0.0); (490240.0, 3624336.0, 114.0, 114.0, 0.0);
(490250.0, 3624336.0, 113.6, 113.6, 0.0); (490260.0, 3624336.0, 113.5, 113.5, 0.0);
(490270.0, 3624336.0, 113.6, 113.6, 0.0); (490280.0, 3624336.0, 113.6, 113.6, 0.0);
(490290.0, 3624336.0, 113.5, 113.5, 0.0); (490300.0, 3624336.0, 113.2, 113.2, 0.0);
(490310.0, 3624336.0, 112.8, 112.8, 0.0); (490320.0, 3624336.0, 112.9, 112.9, 0.0);
(490330.0, 3624336.0, 112.8, 112.8, 0.0); (490340.0, 3624336.0, 112.6, 112.6, 0.0);
(490350.0, 3624336.0, 112.1, 112.1, 0.0); (490360.0, 3624336.0, 112.1, 112.1, 0.0);
(490370.0, 3624336.0, 111.8, 111.8, 0.0); (490380.0, 3624336.0, 111.3, 111.3, 0.0);
(490390.0, 3624336.0, 110.7, 110.7, 0.0); (490400.0, 3624336.0, 110.1, 110.1, 0.0);
(490410.0, 3624336.0, 109.4, 109.4, 0.0); (490420.0, 3624336.0, 108.7, 108.7, 0.0);
(490430.0, 3624336.0, 108.7, 108.7, 0.0); (490440.0, 3624336.0, 108.5, 108.5, 0.0);
(490450.0, 3624336.0, 108.2, 108.2, 0.0); (490460.0, 3624336.0, 108.2, 108.2, 0.0);
(490210.0, 3624346.0, 113.6, 113.6, 0.0); (490220.0, 3624346.0, 113.8, 113.8, 0.0);
(490230.0, 3624346.0, 113.9, 113.9, 0.0); (490240.0, 3624346.0, 113.9, 113.9, 0.0);
(490250.0, 3624346.0, 113.6, 113.6, 0.0); (490260.0, 3624346.0, 113.5, 113.5, 0.0);
(490270.0, 3624346.0, 113.6, 113.6, 0.0); (490280.0, 3624346.0, 113.6, 113.6, 0.0);
(490290.0, 3624346.0, 113.4, 113.4, 0.0); (490300.0, 3624346.0, 113.2, 113.2, 0.0);
(490310.0, 3624346.0, 112.8, 112.8, 0.0); (490320.0, 3624346.0, 112.8, 112.8, 0.0);
(490330.0, 3624346.0, 112.7, 112.7, 0.0); (490340.0, 3624346.0, 112.5, 112.5, 0.0);
(490350.0, 3624346.0, 112.0, 112.0, 0.0); (490360.0, 3624346.0, 112.0, 112.0, 0.0);
(490370.0, 3624346.0, 111.8, 111.8, 0.0); (490380.0, 3624346.0, 111.3, 111.3, 0.0);
(490390.0, 3624346.0, 110.7, 110.7, 0.0); (490400.0, 3624346.0, 110.0, 110.0, 0.0);
(490410.0, 3624346.0, 109.3, 109.3, 0.0); (490420.0, 3624346.0, 108.9, 108.9, 0.0);
(490430.0, 3624346.0, 108.8, 108.8, 0.0); (490440.0, 3624346.0, 108.6, 108.6, 0.0);
(490450.0, 3624346.0, 108.4, 108.4, 0.0); (490460.0, 3624346.0, 108.4, 108.4, 0.0);
(490210.0, 3624356.0, 113.6, 113.6, 0.0); (490220.0, 3624356.0, 113.7, 113.7, 0.0);
(490230.0, 3624356.0, 113.7, 113.7, 0.0); (490240.0, 3624356.0, 113.7, 113.7, 0.0);
(490250.0, 3624356.0, 113.6, 113.6, 0.0); (490260.0, 3624356.0, 113.5, 113.5, 0.0);

```
     ( 490270.0, 3624356.0,     113.5,     113.5,       0.0);         ( 490280.0, 3624356.0,     113.4,     113.4,
0.0);
     ( 490290.0, 3624356.0,     113.3,     113.3,       0.0);         ( 490300.0, 3624356.0,     113.1,     113.1,
0.0);
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(490310.0, 3624356.0, 112.8, 112.8, 0.0); (490320.0, 3624356.0, 112.8, 112.8, 0.0);
(490330.0, 3624356.0, 112.6, 112.6, 0.0); (490340.0, 3624356.0, 112.4, 112.4, 0.0);
(490350.0, 3624356.0, 112.1, 112.1, 0.0); (490360.0, 3624356.0, 111.9, 111.9, 0.0);
(490370.0, 3624356.0, 111.7, 111.7, 0.0); (490380.0, 3624356.0, 111.2, 111.2, 0.0);
(490390.0, 3624356.0, 110.6, 110.6, 0.0); (490400.0, 3624356.0, 110.1, 110.1, 0.0);
(490410.0, 3624356.0, 109.5, 109.5, 0.0); (490420.0, 3624356.0, 109.2, 109.2, 0.0);
(490430.0, 3624356.0, 108.9, 108.9, 0.0); (490440.0, 3624356.0, 108.7, 108.7, 0.0);
(490450.0, 3624356.0, 108.6, 108.6, 0.0); (490460.0, 3624356.0, 108.6, 108.6, 0.0);
(490210.0, 3624366.0, 113.7, 113.7, 0.0); (490220.0, 3624366.0, 113.7, 113.7, 0.0);
(490230.0, 3624366.0, 113.7, 113.7, 0.0); (490240.0, 3624366.0, 113.7, 113.7, 0.0);
(490250.0, 3624366.0, 113.5, 113.5, 0.0); (490370.0, 3624366.0, 111.5, 111.5, 0.0);
(490380.0, 3624366.0, 111.1, 111.1, 0.0); (490390.0, 3624366.0, 110.6, 110.6, 0.0);
(490400.0, 3624366.0, 110.1, 110.1, 0.0); (490410.0, 3624366.0, 109.7, 109.7, 0.0);
(490420.0, 3624366.0, 109.3, 109.3, 0.0); (490430.0, 3624366.0, 109.0, 109.0, 0.0);
(490440.0, 3624366.0, 108.8, 108.8, 0.0); (490450.0, 3624366.0, 108.8, 108.8, 0.0);
(490460.0, 3624366.0, 108.7, 108.7, 0.0); (490210.0, 3624376.0, 113.7, 113.7, 0.0);
(490220.0, 3624376.0, 113.8, 113.8, 0.0); (490230.0, 3624376.0, 113.8, 113.8, 0.0);
(490240.0, 3624376.0, 113.8, 113.8, 0.0); (490250.0, 3624376.0, 113.6, 113.6, 0.0);
(490370.0, 3624376.0, 111.5, 111.5, 0.0); (490380.0, 3624376.0, 111.1, 111.1, 0.0);
(490390.0, 3624376.0, 110.6, 110.6, 0.0); (490400.0, 3624376.0, 110.1, 110.1, 0.0);
(490410.0, 3624376.0, 109.6, 109.6, 0.0); (490420.0, 3624376.0, 109.3, 109.3, 0.0);
(490430.0, 3624376.0, 108.9, 108.9, 0.0); (490440.0, 3624376.0, 108.6, 108.6, 0.0);
(490450.0, 3624376.0, 108.6, 108.6, 0.0); (490460.0, 3624376.0, 108.6, 108.6, 0.0);
(490210.0, 3624386.0, 113.8, 113.8, 0.0); (490220.0, 3624386.0, 114.1, 114.1, 0.0);
(490230.0, 3624386.0, 114.1, 114.1, 0.0); (490240.0, 3624386.0, 114.1, 114.1, 0.0);
(490250.0, 3624386.0, 113.9, 113.9, 0.0); (490370.0, 3624386.0, 111.5, 111.5, 0.0);
(490380.0, 3624386.0, 111.2, 111.2, 0.0); (490390.0, 3624386.0, 110.7, 110.7, 0.0);
(490400.0, 3624386.0, 110.2, 110.2, 0.0); (490410.0, 3624386.0, 109.7, 109.7, 0.0);
(490420.0, 3624386.0, 109.5, 109.5, 0.0); (490430.0, 3624386.0, 109.0, 109.0, 0.0);
(490440.0, 3624386.0, 108.4, 108.4, 0.0); (490450.0, 3624386.0, 108.3, 108.3, 0.0);
(490460.0, 3624386.0, 108.3, 108.3, 0.0); (490210.0, 3624396.0, 113.9, 113.9, 0.0);
(490220.0, 3624396.0, 114.1, 114.1, 0.0); (490230.0, 3624396.0, 114.2, 114.2, 0.0);
(490240.0, 3624396.0, 114.2, 114.2, 0.0); (490250.0, 3624396.0, 114.0, 114.0, 0.0);
(490370.0, 3624396.0, 111.2, 111.2, 0.0); (490380.0, 3624396.0, 111.1, 111.1, 0.0);
(490390.0, 3624396.0, 110.7, 110.7, 0.0); (490400.0, 3624396.0, 110.2, 110.2, 0.0);
(490410.0, 3624396.0, 109.9, 109.9, 0.0); (490420.0, 3624396.0, 109.5, 109.5, 0.0);
(490430.0, 3624396.0, 109.1, 109.1, 0.0); (490440.0, 3624396.0, 108.3, 108.3, 0.0);
(490450.0, 3624396.0, 108.1, 108.1, 0.0); (490460.0, 3624396.0, 108.1, 108.1, 0.0);
(490210.0, 3624406.0, 114.0, 114.0, 0.0); (490220.0, 3624406.0, 114.2, 114.2, 0.0);
(490230.0, 3624406.0, 114.2, 114.2, 0.0); (490240.0, 3624406.0, 114.3, 114.3, 0.0);
(490250.0, 3624406.0, 114.1, 114.1, 0.0); (490370.0, 3624406.0, 110.9, 110.9, 0.0);
(490380.0, 3624406.0, 111.0, 111.0, 0.0); (490390.0, 3624406.0, 110.6, 110.6, 0.0);
(490400.0, 3624406.0, 110.2, 110.2, 0.0); (490410.0, 3624406.0, 109.8, 109.8, 0.0);

```
     ( 490420.0, 3624406.0,     109.4,     109.4,       0.0);         ( 490430.0, 3624406.0,     109.2,     109.2,
0.0);
     ( 490440.0, 3624406.0,     108.6,     108.6,       0.0);         ( 490450.0, 3624406.0,     108.0,     108.0,
0.0);
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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(490460.0, 3624406.0, 107.9, 107.9, 0.0); (490210.0, 3624416.0, 114.1, 114.1, 0.0);
(490220.0, 3624416.0, 114.3, 114.3, 0.0); (490230.0, 3624416.0, 114.2, 114.2, 0.0);
(490240.0, 3624416.0, 114.3, 114.3, 0.0); (490250.0, 3624416.0, 114.1, 114.1, 0.0);
(490370.0, 3624416.0, 110.5, 110.5, 0.0); (490380.0, 3624416.0, 110.6, 110.6, 0.0);
(490390.0, 3624416.0, 110.4, 110.4, 0.0); (490400.0, 3624416.0, 110.0, 110.0, 0.0);
(490410.0, 3624416.0, 109.7, 109.7, 0.0); (490420.0, 3624416.0, 109.4, 109.4, 0.0);
(490430.0, 3624416.0, 109.2, 109.2, 0.0); (490440.0, 3624416.0, 109.0, 109.0, 0.0);
(490450.0, 3624416.0, 108.2, 108.2, 0.0); (490460.0, 3624416.0, 107.9, 107.9, 0.0);
(490210.0, 3624426.0, 114.3, 114.3, 0.0); (490220.0, 3624426.0, 114.4, 114.4, 0.0);
(490230.0, 3624426.0, 114.5, 114.5, 0.0); (490240.0, 3624426.0, 114.4, 114.4, 0.0);
(490250.0, 3624426.0, 114.1, 114.1, 0.0); (490370.0, 3624426.0, 110.1, 110.1, 0.0);
(490380.0, 3624426.0, 110.2, 110.2, 0.0); (490390.0, 3624426.0, 110.0, 110.0, 0.0);
(490400.0, 3624426.0, 109.8, 109.8, 0.0); (490410.0, 3624426.0, 109.5, 109.5, 0.0);
(490420.0, 3624426.0, 109.3, 109.3, 0.0); (490430.0, 3624426.0, 109.1, 109.1, 0.0);
(490440.0, 3624426.0, 109.0, 109.0, 0.0); (490450.0, 3624426.0, 108.8, 108.8, 0.0);
(490460.0, 3624426.0, 108.2, 108.7, 0.0); (490210.0, 3624436.0, 114.4, 114.4, 0.0);
(490220.0, 3624436.0, 114.5, 114.5, 0.0); (490230.0, 3624436.0, 114.5, 114.5, 0.0);
(490240.0, 3624436.0, 114.4, 114.4, 0.0); (490250.0, 3624436.0, 114.0, 114.0, 0.0);
(490370.0, 3624436.0, 109.7, 112.7, 0.0); (490380.0, 3624436.0, 109.8, 109.8, 0.0);
(490390.0, 3624436.0, 109.6, 109.6, 0.0); (490400.0, 3624436.0, 109.4, 109.4, 0.0);
(490410.0, 3624436.0, 109.2, 109.2, 0.0); (490420.0, 3624436.0, 109.2, 109.2, 0.0);
(490430.0, 3624436.0, 108.8, 108.8, 0.0); (490440.0, 3624436.0, 108.9, 108.9, 0.0);
(490450.0, 3624436.0, 109.0, 109.0, 0.0); (490460.0, 3624436.0, 108.6, 108.6, 0.0);
(490210.0, 3624446.0, 114.5, 114.5, 0.0); (490220.0, 3624446.0, 114.5, 114.5, 0.0);
(490230.0, 3624446.0, 114.4, 114.4, 0.0); (490240.0, 3624446.0, 114.2, 114.2, 0.0);
(490250.0, 3624446.0, 113.9, 113.9, 0.0); (490370.0, 3624446.0, 109.5, 112.7, 0.0);
(490380.0, 3624446.0, 109.3, 109.3, 0.0); (490390.0, 3624446.0, 109.2, 109.2, 0.0);
(490400.0, 3624446.0, 109.1, 109.1, 0.0); (490410.0, 3624446.0, 108.9, 108.9, 0.0);
(490420.0, 3624446.0, 108.8, 108.8, 0.0); (490430.0, 3624446.0, 108.7, 108.7, 0.0);
(490440.0, 3624446.0, 108.7, 108.7, 0.0); (490450.0, 3624446.0, 108.8, 108.8, 0.0);
(490460.0, 3624446.0, 108.5, 108.5, 0.0); (490210.0, 3624456.0, 114.5, 114.5, 0.0);
(490220.0, 3624456.0, 114.5, 114.5, 0.0); (490230.0, 3624456.0, 114.5, 114.5, 0.0);
(490240.0, 3624456.0, 114.2, 114.2, 0.0); (490250.0, 3624456.0, 113.9, 113.9, 0.0);
(490370.0, 3624456.0, 109.3, 112.7, 0.0); (490380.0, 3624456.0, 109.3, 109.3, 0.0);
(490390.0, 3624456.0, 109.0, 109.0, 0.0); (490400.0, 3624456.0, 108.8, 108.8, 0.0);
(490410.0, 3624456.0, 108.6, 108.6, 0.0); (490420.0, 3624456.0, 108.7, 108.8, 0.0);
(490430.0, 3624456.0, 108.6, 108.7, 0.0); (490440.0, 3624456.0, 108.5, 108.5, 0.0);
(490450.0, 3624456.0, 108.4, 108.4, 0.0); (490460.0, 3624456.0, 107.8, 108.4, 0.0);
(490210.0, 3624466.0, 114.5, 114.5, 0.0); (490220.0, 3624466.0, 114.5, 114.5, 0.0);
(490230.0, 3624466.0, 114.4, 114.4, 0.0); (490240.0, 3624466.0, 114.1, 114.1, 0.0);
(490250.0, 3624466.0, 113.7, 113.7, 0.0); (490370.0, 3624466.0, 109.0, 112.7, 0.0);
(490380.0, 3624466.0, 108.9, 108.9, 0.0); (490390.0, 3624466.0, 108.3, 108.8, 0.0);
(490400.0, 3624466.0, 107.6, 109.2, 0.0); (490410.0, 3624466.0, 107.2, 109.2, 0.0);

```
     ( 490420.0, 3624466.0,     107.2,     108.8,       0.0);         ( 490430.0, 3624466.0,     107.3,     108.8,
0.0);
     ( 490440.0, 3624466.0,     107.6,     108.0,       0.0);         ( 490450.0, 3624466.0,     107.2,     108.7,
0.0);
```

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(490460.0, 3624466.0, 106.4, 108.8, 0.0); (490210.0, 3624476.0, 114.5, 114.5, 0.0);
(490220.0, 3624476.0, 114.5, 114.5, 0.0); (490230.0, 3624476.0, 114.2, 114.2, 0.0);
(490240.0, 3624476.0, 114.0, 114.0, 0.0); (490250.0, 3624476.0, 113.7, 113.7, 0.0);
(490370.0, 3624476.0, 108.6, 108.6, 0.0); (490380.0, 3624476.0, 108.2, 108.5, 0.0);
(490390.0, 3624476.0, 107.6, 108.8, 0.0); (490400.0, 3624476.0, 106.9, 109.2, 0.0);
(490410.0, 3624476.0, 105.1, 112.7, 0.0); (490420.0, 3624476.0, 104.4, 110.3, 0.0);
(490430.0, 3624476.0, 104.5, 109.3, 0.0); (490440.0, 3624476.0, 104.6, 109.3, 0.0);
(490450.0, 3624476.0, 104.6, 109.2, 0.0); (490460.0, 3624476.0, 104.0, 109.2, 0.0);
(490210.0, 3624486.0, 114.5, 114.5, 0.0); (490220.0, 3624486.0, 114.4, 114.4, 0.0);
(490230.0, 3624486.0, 114.2, 114.2, 0.0); (490240.0, 3624486.0, 113.8, 113.8, 0.0);
(490250.0, 3624486.0, 113.6, 113.6, 0.0); (490380.0, 3624486.0, 108.2, 108.2, 0.0);
(490390.0, 3624486.0, 107.7, 107.7, 0.0); (490400.0, 3624486.0, 106.3, 110.3, 0.0);
(490410.0, 3624486.0, 101.8, 113.1, 0.0); (490420.0, 3624486.0, 100.8, 113.1, 0.0);
(490430.0, 3624486.0, 100.4, 112.9, 0.0); (490440.0, 3624486.0, 100.3, 112.7, 0.0);
(490450.0, 3624486.0, 100.2, 112.7, 0.0); (490460.0, 3624486.0, 100.9, 111.2, 0.0);
(490210.0, 3624496.0, 114.4, 114.4, 0.0); (490220.0, 3624496.0, 114.2, 114.2, 0.0);
(490230.0, 3624496.0, 114.0, 114.0, 0.0); (490240.0, 3624496.0, 113.7, 113.7, 0.0);
(490250.0, 3624496.0, 113.5, 113.5, 0.0); (490390.0, 3624496.0, 108.0, 110.3, 0.0);
(490400.0, 3624496.0, 106.9, 110.3, 0.0); (490410.0, 3624496.0, 104.5, 110.6, 0.0);
(490420.0, 3624496.0, 103.9, 110.6, 0.0); (490430.0, 3624496.0, 103.0, 110.6, 0.0);
(490440.0, 3624496.0, 101.5, 112.7, 0.0); (490450.0, 3624496.0, 100.3, 112.7, 0.0);
(490460.0, 3624496.0, 99.0, 112.7, 0.0); (490210.0, 3624506.0, 114.3, 114.3, 0.0);
(490220.0, 3624506.0, 114.1, 114.1, 0.0); (490230.0, 3624506.0, 113.8, 113.8, 0.0);
(490240.0, 3624506.0, 113.6, 113.6, 0.0); (490250.0, 3624506.0, 113.4, 113.4, 0.0);
(490400.0, 3624506.0, 108.6, 110.3, 0.0); (490410.0, 3624506.0, 108.8, 108.8, 0.0);
(490420.0, 3624506.0, 108.7, 108.7, 0.0); (490430.0, 3624506.0, 107.1, 109.5, 0.0);
(490440.0, 3624506.0, 106.1, 109.5, 0.0); (490450.0, 3624506.0, 104.2, 110.2, 0.0);
(490460.0, 3624506.0, 101.6, 111.2, 0.0); (490210.0, 3624516.0, 114.2, 114.2, 0.0);
(490220.0, 3624516.0, 113.9, 113.9, 0.0); (490230.0, 3624516.0, 113.8, 113.8, 0.0);
(490240.0, 3624516.0, 113.6, 113.6, 0.0); (490250.0, 3624516.0, 113.4, 113.4, 0.0);
(490410.0, 3624516.0, 109.1, 109.1, 0.0); (490420.0, 3624516.0, 109.0, 109.0, 0.0);
(490430.0, 3624516.0, 108.1, 108.1, 0.0); (490440.0, 3624516.0, 107.4, 107.4, 0.0);
(490450.0, 3624516.0, 106.3, 109.5, 0.0); (490460.0, 3624516.0, 104.1, 110.2, 0.0);
(490210.0, 3624526.0, 114.1, 114.1, 0.0); (490220.0, 3624526.0, 113.8, 113.8, 0.0);
(490230.0, 3624526.0, 113.6, 113.6, 0.0); (490240.0, 3624526.0, 113.5, 113.5, 0.0);
(490250.0, 3624526.0, 113.3, 113.3, 0.0); (490410.0, 3624526.0, 109.4, 109.4, 0.0);
(490420.0, 3624526.0, 109.4, 109.4, 0.0); (490430.0, 3624526.0, 108.6, 108.6, 0.0);
(490440.0, 3624526.0, 108.0, 108.0, 0.0); (490450.0, 3624526.0, 106.9, 108.3, 0.0);
(490460.0, 3624526.0, 104.5, 110.2, 0.0); (490210.0, 3624536.0, 114.0, 114.0, 0.0);
(490220.0, 3624536.0, 113.8, 113.8, 0.0); (490230.0, 3624536.0, 113.6, 113.6, 0.0);
(490240.0, 3624536.0, 113.5, 113.5, 0.0); (490250.0, 3624536.0, 113.3, 113.3, 0.0);
(490410.0, 3624536.0, 109.8, 109.8, 0.0); (490420.0, 3624536.0, 109.6, 109.6, 0.0);
(490430.0, 3624536.0, 108.9, 108.9, 0.0); (490440.0, 3624536.0, 108.4, 108.4, 0.0);

```
     ( 490450.0, 3624536.0,     108.0,     108.0,       0.0);         ( 490460.0, 3624536.0,     106.1,     109.9,
0.0);
     ( 490210.0, 3624546.0,     113.9,     113.9,       0.0);         ( 490220.0, 3624546.0,     113.8,     113.8,
0.0);
```

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(490230.0, 3624546.0, 113.6, 113.6, 0.0); (490240.0, 3624546.0, 113.5, 113.5, 0.0);
(490250.0, 3624546.0, 113.2, 113.2, 0.0); (490410.0, 3624546.0, 110.1, 110.1, 0.0);
(490420.0, 3624546.0, 109.8, 109.8, 0.0); (490430.0, 3624546.0, 109.3, 109.3, 0.0);
(490440.0, 3624546.0, 108.8, 108.8, 0.0); (490450.0, 3624546.0, 108.3, 108.3, 0.0);
(490460.0, 3624546.0, 107.5, 109.4, 0.0); (490210.0, 3624556.0, 113.9, 113.9, 0.0);
(490220.0, 3624556.0, 113.7, 113.7, 0.0); (490230.0, 3624556.0, 113.5, 113.5, 0.0);
(490240.0, 3624556.0, 113.3, 113.3, 0.0); (490250.0, 3624556.0, 113.1, 113.1, 0.0);
(490410.0, 3624556.0, 110.1, 110.1, 0.0); (490420.0, 3624556.0, 110.2, 110.2, 0.0);
(490430.0, 3624556.0, 109.8, 109.8, 0.0); (490440.0, 3624556.0, 109.5, 109.5, 0.0);
(490450.0, 3624556.0, 108.9, 109.4, 0.0); (490460.0, 3624556.0, 108.1, 108.1, 0.0);
(490210.0, 3624566.0, 113.6, 113.6, 0.0); (490220.0, 3624566.0, 113.5, 113.5, 0.0);
(490230.0, 3624566.0, 113.2, 113.2, 0.0); (490240.0, 3624566.0, 113.0, 113.0, 0.0);
(490250.0, 3624566.0, 112.8, 112.8, 0.0); (490260.0, 3624566.0, 112.7, 112.7, 0.0);
(490270.0, 3624566.0, 112.4, 112.4, 0.0); (490280.0, 3624566.0, 112.1, 112.1, 0.0);
(490290.0, 3624566.0, 111.7, 111.7, 0.0); (490300.0, 3624566.0, 111.3, 111.3, 0.0);
(490310.0, 3624566.0, 110.9, 110.9, 0.0); (490320.0, 3624566.0, 110.5, 110.5, 0.0);
(490330.0, 3624566.0, 110.1, 110.1, 0.0); (490340.0, 3624566.0, 110.2, 110.2, 0.0);
(490350.0, 3624566.0, 110.2, 110.2, 0.0); (490360.0, 3624566.0, 110.2, 110.2, 0.0);
(490370.0, 3624566.0, 110.2, 110.2, 0.0); (490380.0, 3624566.0, 110.5, 110.5, 0.0);
(490390.0, 3624566.0, 110.7, 110.7, 0.0); (490400.0, 3624566.0, 110.4, 110.4, 0.0);
(490410.0, 3624566.0, 110.1, 110.1, 0.0); (490420.0, 3624566.0, 110.2, 110.2, 0.0);
(490430.0, 3624566.0, 109.9, 109.9, 0.0); (490440.0, 3624566.0, 109.7, 109.7, 0.0);
(490450.0, 3624566.0, 109.2, 109.2, 0.0); (490460.0, 3624566.0, 108.8, 108.8, 0.0);
(490210.0, 3624576.0, 113.7, 113.7, 0.0); (490220.0, 3624576.0, 113.6, 113.6, 0.0);
(490230.0, 3624576.0, 113.3, 113.3, 0.0); (490240.0, 3624576.0, 113.2, 113.2, 0.0);
(490250.0, 3624576.0, 112.9, 112.9, 0.0); (490260.0, 3624576.0, 112.7, 112.7, 0.0);
(490270.0, 3624576.0, 112.5, 112.5, 0.0); (490280.0, 3624576.0, 112.1, 112.1, 0.0);
(490290.0, 3624576.0, 111.7, 111.7, 0.0); (490300.0, 3624576.0, 111.4, 111.4, 0.0);
(490310.0, 3624576.0, 111.1, 111.1, 0.0); (490320.0, 3624576.0, 110.7, 110.7, 0.0);
(490330.0, 3624576.0, 110.3, 110.3, 0.0); (490340.0, 3624576.0, 110.5, 110.5, 0.0);
(490350.0, 3624576.0, 110.8, 110.8, 0.0); (490360.0, 3624576.0, 110.8, 110.8, 0.0);
(490370.0, 3624576.0, 110.9, 110.9, 0.0); (490380.0, 3624576.0, 111.0, 111.0, 0.0);
(490390.0, 3624576.0, 110.9, 110.9, 0.0); (490400.0, 3624576.0, 110.4, 110.4, 0.0);
(490410.0, 3624576.0, 110.0, 110.0, 0.0); (490420.0, 3624576.0, 110.1, 110.1, 0.0);
(490430.0, 3624576.0, 110.0, 110.0, 0.0); (490440.0, 3624576.0, 109.8, 109.8, 0.0);
(490450.0, 3624576.0, 109.3, 109.3, 0.0); (490460.0, 3624576.0, 109.0, 109.0, 0.0);
(490210.0, 3624586.0, 113.7, 113.7, 0.0); (490220.0, 3624586.0, 113.5, 113.5, 0.0);
(490230.0, 3624586.0, 113.3, 113.3, 0.0); (490240.0, 3624586.0, 113.1, 113.1, 0.0);
(490250.0, 3624586.0, 112.9, 112.9, 0.0); (490260.0, 3624586.0, 112.6, 112.6, 0.0);
(490270.0, 3624586.0, 112.3, 112.3, 0.0); (490280.0, 3624586.0, 111.9, 111.9, 0.0);
(490290.0, 3624586.0, 111.7, 111.7, 0.0); (490300.0, 3624586.0, 111.4, 111.4, 0.0);
(490310.0, 3624586.0, 111.2, 111.2, 0.0); (490320.0, 3624586.0, 110.8, 110.8, 0.0);
(490330.0, 3624586.0, 110.6, 110.6, 0.0); (490340.0, 3624586.0, 110.8, 110.8, 0.0);

```
     ( 490350.0, 3624586.0,     111.0,     111.0,       0.0);         ( 490360.0, 3624586.0,     111.0,     111.0,
0.0);
     ( 490370.0, 3624586.0,     111.1,     111.1,       0.0);         ( 490380.0, 3624586.0,     111.1,     111.1,
0.0);
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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(490390.0, 3624586.0, 111.0, 111.0, 0.0); (490400.0, 3624586.0, 110.4, 110.4, 0.0);
(490410.0, 3624586.0, 110.0, 110.0, 0.0); (490420.0, 3624586.0, 110.4, 110.4, 0.0);
(490430.0, 3624586.0, 110.3, 110.3, 0.0); (490440.0, 3624586.0, 110.0, 110.0, 0.0);
(490450.0, 3624586.0, 109.5, 109.5, 0.0); (490460.0, 3624586.0, 109.2, 109.2, 0.0);
(490210.0, 3624596.0, 113.6, 113.6, 0.0); (490220.0, 3624596.0, 113.4, 113.4, 0.0);
(490230.0, 3624596.0, 113.2, 113.2, 0.0); (490240.0, 3624596.0, 113.0, 113.0, 0.0);
(490250.0, 3624596.0, 112.8, 112.8, 0.0); (490260.0, 3624596.0, 112.5, 112.5, 0.0);
(490270.0, 3624596.0, 112.2, 112.2, 0.0); (490280.0, 3624596.0, 111.9, 111.9, 0.0);
(490290.0, 3624596.0, 111.8, 111.8, 0.0); (490300.0, 3624596.0, 111.4, 111.4, 0.0);
(490310.0, 3624596.0, 111.3, 111.3, 0.0); (490320.0, 3624596.0, 111.1, 111.1, 0.0);
(490330.0, 3624596.0, 110.8, 110.8, 0.0); (490340.0, 3624596.0, 111.0, 111.0, 0.0);
(490350.0, 3624596.0, 111.3, 111.3, 0.0); (490360.0, 3624596.0, 111.3, 111.3, 0.0);
(490370.0, 3624596.0, 111.4, 111.4, 0.0); (490380.0, 3624596.0, 111.4, 111.4, 0.0);
(490390.0, 3624596.0, 111.2, 111.2, 0.0); (490400.0, 3624596.0, 110.4, 111.1, 0.0);
(490410.0, 3624596.0, 109.9, 109.9, 0.0); (490420.0, 3624596.0, 109.9, 109.9, 0.0);
(490430.0, 3624596.0, 109.7, 109.7, 0.0); (490440.0, 3624596.0, 109.6, 109.6, 0.0);
(490450.0, 3624596.0, 109.3, 109.3, 0.0); (490460.0, 3624596.0, 109.2, 109.2, 0.0);
(490210.0, 3624606.0, 113.5, 113.5, 0.0); (490220.0, 3624606.0, 113.4, 113.4, 0.0);
(490230.0, 3624606.0, 113.2, 113.2, 0.0); (490240.0, 3624606.0, 113.0, 113.0, 0.0);
(490250.0, 3624606.0, 112.7, 112.7, 0.0); (490260.0, 3624606.0, 112.5, 112.5, 0.0);
(490270.0, 3624606.0, 112.2, 112.2, 0.0); (490280.0, 3624606.0, 111.9, 111.9, 0.0);
(490290.0, 3624606.0, 111.8, 111.8, 0.0); (490300.0, 3624606.0, 111.6, 111.6, 0.0);
(490310.0, 3624606.0, 111.5, 111.5, 0.0); (490320.0, 3624606.0, 111.3, 111.3, 0.0);
(490330.0, 3624606.0, 111.1, 111.1, 0.0); (490340.0, 3624606.0, 111.2, 111.2, 0.0);
(490350.0, 3624606.0, 111.7, 111.7, 0.0); (490360.0, 3624606.0, 111.6, 111.6, 0.0);
(490370.0, 3624606.0, 111.8, 111.8, 0.0); (490380.0, 3624606.0, 111.8, 111.8, 0.0);
(490390.0, 3624606.0, 111.6, 111.6, 0.0); (490400.0, 3624606.0, 110.5, 111.5, 0.0);
(490410.0, 3624606.0, 109.9, 111.5, 0.0); (490420.0, 3624606.0, 109.8, 109.8, 0.0);
(490430.0, 3624606.0, 109.7, 109.7, 0.0); (490440.0, 3624606.0, 109.6, 109.6, 0.0);
(490450.0, 3624606.0, 109.5, 109.5, 0.0); (490460.0, 3624606.0, 109.3, 109.3, 0.0);
(490210.0, 3624616.0, 113.4, 113.4, 0.0); (490220.0, 3624616.0, 113.3, 113.3, 0.0);
(490230.0, 3624616.0, 113.1, 113.1, 0.0); (490240.0, 3624616.0, 112.9, 112.9, 0.0);
(490250.0, 3624616.0, 112.6, 112.6, 0.0); (490260.0, 3624616.0, 112.4, 112.4, 0.0);
(490270.0, 3624616.0, 112.2, 112.2, 0.0); (490280.0, 3624616.0, 111.9, 111.9, 0.0);
(490290.0, 3624616.0, 111.8, 111.8, 0.0); (490300.0, 3624616.0, 111.7, 111.7, 0.0);
(490310.0, 3624616.0, 111.6, 111.6, 0.0); (490320.0, 3624616.0, 111.5, 111.5, 0.0);
(490330.0, 3624616.0, 111.2, 111.2, 0.0); (490340.0, 3624616.0, 111.6, 111.6, 0.0);
(490350.0, 3624616.0, 112.0, 112.0, 0.0); (490360.0, 3624616.0, 111.9, 111.9, 0.0);
(490370.0, 3624616.0, 112.1, 112.1, 0.0); (490380.0, 3624616.0, 112.0, 112.0, 0.0);
(490390.0, 3624616.0, 111.7, 111.7, 0.0); (490400.0, 3624616.0, 110.5, 111.6, 0.0);
(490410.0, 3624616.0, 109.8, 111.6, 0.0); (490420.0, 3624616.0, 110.1, 110.1, 0.0);
(490430.0, 3624616.0, 110.1, 110.1, 0.0); (490440.0, 3624616.0, 110.1, 110.1, 0.0);
(490450.0, 3624616.0, 109.8, 109.8, 0.0); (490460.0, 3624616.0, 109.5, 109.5, 0.0);

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     ( 490307.0, 3624461.0,     113.0,     113.0,       0.0);         ( 490317.0, 3624461.0,     112.7,     112.7,
0.0);
     ( 490307.0, 3624471.0,     112.8,     112.8,       0.0);         ( 490317.0, 3624471.0,     112.6,     112.6,
0.0);
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(490307.0, 3624481.0, 112.7, 112.7, 0.0); (490317.0, 3624481.0, 112.5, 112.5, 0.0);
(490307.0, 3624491.0, 112.6, 112.6, 0.0); (490317.0, 3624491.0, 112.3, 112.3, 0.0);
(490307.0, 3624501.0, 112.4, 112.4, 0.0); (490317.0, 3624501.0, 112.1, 112.1, 0.0);
(490307.0, 3624511.0, 112.1, 112.1, 0.0); (490317.0, 3624511.0, 112.0, 112.0, 0.0);
(490307.0, 3624521.0, 111.8, 111.8, 0.0); (490317.0, 3624521.0, 111.6, 111.6, 0.0);
(490276.0, 3624433.0, 113.7, 113.7, 0.0); (490286.0, 3624433.0, 113.7, 113.7, 0.0);
(490296.0, 3624433.0, 113.4, 113.4, 0.0); (490276.0, 3624443.0, 113.8, 113.8, 0.0);
(490286.0, 3624443.0, 113.7, 113.7, 0.0); (490296.0, 3624443.0, 113.4, 113.4, 0.0);
(490276.0, 3624453.0, 113.7, 113.7, 0.0); (490286.0, 3624453.0, 113.5, 113.5, 0.0);
(490296.0, 3624453.0, 113.3, 113.3, 0.0); (490276.0, 3624463.0, 113.7, 113.7, 0.0);
(490286.0, 3624463.0, 113.5, 113.5, 0.0); (490296.0, 3624463.0, 113.2, 113.2, 0.0);
(490276.0, 3624473.0, 113.6, 113.6, 0.0); (490286.0, 3624473.0, 113.5, 113.5, 0.0);
(490296.0, 3624473.0, 113.1, 113.1, 0.0); (490276.0, 3624481.0, 113.5, 113.5, 0.0);
(490286.0, 3624481.0, 113.5, 113.5, 0.0); (490296.0, 3624481.0, 113.1, 113.1, 0.0);
(490276.0, 3624491.0, 113.4, 113.4, 0.0); (490286.0, 3624491.0, 113.3, 113.3, 0.0);
(490296.0, 3624491.0, 113.0, 113.0, 0.0); (490276.0, 3624501.0, 113.3, 113.3, 0.0);
(490286.0, 3624501.0, 113.1, 113.1, 0.0); (490296.0, 3624501.0, 112.7, 112.7, 0.0);
(490276.0, 3624511.0, 113.2, 113.2, 0.0); (490286.0, 3624511.0, 112.9, 112.9, 0.0);
(490296.0, 3624511.0, 112.5, 112.5, 0.0); (490276.0, 3624521.0, 113.1, 113.1, 0.0);
(490286.0, 3624521.0, 112.8, 112.8, 0.0); (490296.0, 3624521.0, 112.2, 112.2, 0.0);
(490279.0, 3624525.0, 113.0, 113.0, 0.0); (490289.0, 3624525.0, 112.5, 112.5, 0.0);
(490299.0, 3624525.0, 111.9, 111.9, 0.0); (490309.0, 3624525.0, 111.7, 111.7, 0.0);
(490319.0, 3624525.0, 111.2, 111.2, 0.0); (490279.0, 3624535.0, 112.8, 112.8, 0.0);
(490289.0, 3624535.0, 112.3, 112.3, 0.0); (490299.0, 3624535.0, 111.7, 111.7, 0.0);
(490309.0, 3624535.0, 111.3, 111.3, 0.0); (490319.0, 3624535.0, 110.8, 110.8, 0.0);
(490279.0, 3624545.0, 112.5, 112.5, 0.0); (490289.0, 3624545.0, 112.0, 112.0, 0.0);
(490299.0, 3624545.0, 111.5, 111.5, 0.0); (490309.0, 3624545.0, 111.1, 111.1, 0.0);
(490319.0, 3624545.0, 110.7, 110.7, 0.0); (490298.0, 3624431.0, 113.3, 113.3, 0.0);
(490298.0, 3624441.0, 113.4, 113.4, 0.0); (490308.0, 3624441.0, 113.1, 113.1, 0.0);
(490318.0, 3624441.0, 112.8, 112.8, 0.0); (490298.0, 3624451.0, 113.3, 113.3, 0.0);
(490308.0, 3624451.0, 113.0, 113.0, 0.0); (490318.0, 3624451.0, 112.6, 112.6, 0.0);

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR FASTAREA/FASTALL

SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0000001	490250.0	3624406.0	-3.26
L0000001	490240.0	3624416.0	-2.81
L0000001	490250.0	3624416.0	-11.31
L0000001	490240.0	3624426.0	-4.63
L0000001	490250.0	3624426.0	-14.59
L0000001	490240.0	3624436.0	-1.69
L0000001	490250.0	3624436.0	-9.52
L0000001	490250.0	3624446.0	-1.02
L0000001	490276.0	3624433.0	-6.12
L0000001	490276.0	3624443.0	0.08
L0000002	490240.0	3624386.0	-0.18
L0000002	490250.0	3624386.0	-7.17
L0000002	490240.0	3624396.0	-4.42
L0000002	490250.0	3624396.0	-13.95
L0000002	490240.0	3624406.0	-4.11
L0000002	490250.0	3624406.0	-13.36
L0000002	490240.0	3624416.0	0.59
L0000002	490250.0	3624416.0	-6.10
L0000003	490250.0	3624356.0	-2.37
L0000003	490260.0	3624356.0	-4.38
L0000003	490270.0	3624356.0	-1.68
L0000003	490240.0	3624366.0	-2.71
L0000003	490250.0	3624366.0	-10.78
L0000003	490240.0	3624376.0	-5.15
L0000003	490250.0	3624376.0	-15.15
L0000003	490240.0	3624386.0	-2.70
L0000003	490250.0	3624386.0	-10.76
L0000003	490250.0	3624396.0	-2.34
L0000016	490250.0	3624336.0	-0.94
L0000016	490260.0	3624336.0	-2.75
L0000016	490270.0	3624336.0	-0.17
L0000016	490240.0	3624346.0	-2.04
L0000016	490250.0	3624346.0	-9.64
L0000016	490260.0	3624346.0	-12.73
L0000016	490270.0	3624346.0	-8.44
L0000016	490280.0	3624346.0	-0.46
L0000016	490240.0	3624356.0	-5.23
L0000016	490250.0	3624356.0	-15.16
L0000016	490260.0	3624356.0	-22.53
L0000016	490270.0	3624356.0	-13.34

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SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0000016	490280.0	3624356.0	-3.40
L0000016	490240.0	3624366.0	-3.54
L0000016	490250.0	3624366.0	-12.02
L0000016	490250.0	3624376.0	-3.87
L0000017	490260.0	3624326.0	-17.08
L0000017	490240.0	3624326.0	-4.05
L0000017	490250.0	3624326.0	-12.83
L0000017	490260.0	3624326.0	-17.08
L0000017	490270.0	3624326.0	-11.22
L0000017	490280.0	3624326.0	-2.18
L0000017	490240.0	3624336.0	-5.17
L0000017	490250.0	3624336.0	-14.96
L0000017	490260.0	3624336.0	-21.44
L0000017	490270.0	3624336.0	-13.04
L0000017	490280.0	3624336.0	-3.20
L0000017	490240.0	3624346.0	-1.48
L0000017	490250.0	3624346.0	-8.75
L0000017	490260.0	3624346.0	-11.57
L0000017	490270.0	3624346.0	-7.53
L0000017	490280.0	3624346.0	0.19
L0000017	490250.0	3624356.0	0.11
L0000017	490260.0	3624356.0	-1.59
L0000017	490270.0	3624356.0	0.91
L0000018	490260.0	3624326.0	-7.19
L0000018	490250.0	3624326.0	-5.04
L0000018	490260.0	3624326.0	-7.19
L0000018	490270.0	3624326.0	-3.96
L0000019	490260.0	3624276.0	-15.84
L0000020	490260.0	3624276.0	-8.41
L0000021	490260.0	3624226.0	-14.60
L0000022	490260.0	3624226.0	-9.63
L0000023	490260.0	3624176.0	-13.36
L0000024	490260.0	3624176.0	-10.84
L0000025	490210.0	3624126.0	-16.90
L0000025	490260.0	3624126.0	-31.07
L0000025	490210.0	3624176.0	-13.40
L0000025	490260.0	3624176.0	-25.98
L0000026	490160.0	3624126.0	-22.92
L0000026	490210.0	3624126.0	-25.46
L0000026	490160.0	3624176.0	-19.67

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SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0000026	490210.0	3624176.0	-21.98
L0000027	490110.0	3624126.0	-28.03
L0000027	490160.0	3624126.0	-19.02
L0000027	490110.0	3624176.0	-25.21
L0000027	490160.0	3624176.0	-16.82
L0000028	490060.0	3624126.0	-31.70
L0000028	490110.0	3624126.0	-12.12
L0000028	490060.0	3624176.0	-29.59
L0000028	490110.0	3624176.0	-10.88
L0000029	489960.0	3624126.0	0.44
L0000029	490010.0	3624126.0	-33.28
L0000029	490060.0	3624126.0	-4.93
L0000029	489960.0	3624176.0	0.90
L0000029	490010.0	3624176.0	-32.21
L0000029	490060.0	3624176.0	-4.42
L0000030	489960.0	3624126.0	-32.37
L0000030	489960.0	3624176.0	-32.51
L0000033	490290.0	3624336.0	-3.31
L0000033	490300.0	3624336.0	-4.36
L0000033	490310.0	3624336.0	-1.74
L0000033	490280.0	3624346.0	-6.53
L0000033	490290.0	3624346.0	-12.66
L0000033	490300.0	3624346.0	-14.31
L0000033	490310.0	3624346.0	-10.35
L0000033	490320.0	3624346.0	-3.11
L0000033	490270.0	3624356.0	-2.03
L0000033	490280.0	3624356.0	-11.69
L0000033	490290.0	3624356.0	-20.62
L0000033	490300.0	3624356.0	-24.07
L0000033	490310.0	3624356.0	-16.88
L0000033	490320.0	3624356.0	-7.49
L0000034	490250.0	3624336.0	0.78
L0000034	490260.0	3624336.0	-3.45
L0000034	490270.0	3624336.0	-4.32
L0000034	490280.0	3624336.0	-1.54
L0000034	490250.0	3624346.0	-6.88
L0000034	490260.0	3624346.0	-12.86
L0000034	490270.0	3624346.0	-14.24
L0000034	490280.0	3624346.0	-10.05
L0000034	490290.0	3624346.0	-2.72

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SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0000034	490240.0	3624356.0	-2.50
L0000034	490250.0	3624356.0	-12.14
L0000034	490260.0	3624356.0	-21.00
L0000034	490270.0	3624356.0	-23.89
L0000034	490280.0	3624356.0	-16.45
L0000034	490290.0	3624356.0	-7.02
L0000034	490240.0	3624366.0	-2.87
L0000034	490250.0	3624366.0	-12.71
L0000034	490240.0	3624376.0	0.20
L0000034	490250.0	3624376.0	-8.23
L0000034	490250.0	3624386.0	-0.91
L0000481	490309.0	3624535.0	-3.86
L0000481	490319.0	3624535.0	-4.43
L0000481	490309.0	3624545.0	-5.59
L0000481	490319.0	3624545.0	-6.33
L0000482	490299.0	3624535.0	-5.10
L0000482	490309.0	3624535.0	-2.98
L0000482	490299.0	3624545.0	-7.25
L0000482	490309.0	3624545.0	-4.51
L0000483	490279.0	3624535.0	0.55
L0000483	490289.0	3624535.0	-5.81
L0000483	490299.0	3624535.0	-1.27
L0000483	490279.0	3624545.0	-0.51
L0000483	490289.0	3624545.0	-8.33
L0000483	490299.0	3624545.0	-2.53
L0000484	490279.0	3624535.0	-7.83
L0000484	490289.0	3624535.0	-2.15
L0000484	490279.0	3624545.0	-6.38
L0000484	490289.0	3624545.0	-1.45
L0000485	490276.0	3624521.0	-4.97
L0000485	490286.0	3624521.0	-3.59
L0000485	490279.0	3624525.0	-9.92
L0000485	490289.0	3624525.0	-2.87
L0000485	490279.0	3624535.0	-4.21
L0000485	490289.0	3624535.0	-0.13
L0000486	490276.0	3624511.0	-6.68
L0000486	490286.0	3624511.0	-4.97
L0000486	490276.0	3624521.0	-4.93
L0000486	490286.0	3624521.0	-3.56
L0000486	490279.0	3624525.0	-2.03

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SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0000487	490276.0	3624491.0	0.14
L0000487	490286.0	3624491.0	0.99
L0000487	490276.0	3624501.0	-7.93
L0000487	490286.0	3624501.0	-5.87
L0000487	490276.0	3624511.0	-3.01
L0000487	490286.0	3624511.0	-1.89
L0000488	490276.0	3624481.0	-1.92
L0000488	490286.0	3624481.0	-0.91
L0000488	490276.0	3624491.0	-8.25
L0000488	490286.0	3624491.0	-6.08
L0000488	490276.0	3624501.0	-0.98
L0000488	490286.0	3624501.0	-0.05
L0000489	490276.0	3624473.0	-5.60
L0000489	490286.0	3624473.0	-4.12
L0000489	490276.0	3624481.0	-7.44
L0000489	490286.0	3624481.0	-5.53
L0000490	490276.0	3624463.0	-7.19
L0000490	490286.0	3624463.0	-5.35
L0000490	490276.0	3624473.0	-4.27
L0000490	490286.0	3624473.0	-3.00
L0000491	490276.0	3624443.0	-0.59
L0000491	490286.0	3624443.0	0.31
L0000491	490276.0	3624453.0	-8.17
L0000491	490286.0	3624453.0	-6.03
L0000491	490276.0	3624463.0	-2.31
L0000491	490286.0	3624463.0	-1.26
L0000492	490276.0	3624433.0	-2.62
L0000492	490286.0	3624433.0	-1.55
L0000492	490276.0	3624443.0	-8.08
L0000492	490286.0	3624443.0	-5.97
L0000492	490276.0	3624453.0	-0.26
L0000492	490286.0	3624453.0	0.62
L0000493	490276.0	3624433.0	-2.35
L0000493	490286.0	3624433.0	-9.94
L0000493	490296.0	3624433.0	-1.54
L0000493	490276.0	3624443.0	0.16
L0000493	490286.0	3624443.0	-4.39
L0000493	490296.0	3624443.0	0.81
L0000493	490298.0	3624431.0	0.92
L0000494	490286.0	3624433.0	-2.00

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SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0000494	490296.0	3624433.0	-2.37
L0000494	490286.0	3624443.0	-6.66
L0000494	490296.0	3624443.0	-7.37
L0000494	490286.0	3624453.0	0.35
L0000494	490296.0	3624453.0	0.06
L0000494	490298.0	3624431.0	0.37
L0000494	490298.0	3624441.0	-5.53
L0000494	490298.0	3624451.0	-0.74
L0000495	490286.0	3624443.0	-0.04
L0000495	490296.0	3624443.0	-0.42
L0000495	490286.0	3624453.0	-6.67
L0000495	490296.0	3624453.0	-7.57
L0000495	490286.0	3624463.0	-1.54
L0000495	490296.0	3624463.0	-1.98
L0000495	490298.0	3624451.0	-5.05
L0000496	490286.0	3624463.0	-5.87
L0000496	490296.0	3624463.0	-6.79
L0000496	490286.0	3624473.0	-3.30
L0000496	490296.0	3624473.0	-3.93
L0000497	490286.0	3624473.0	-4.50
L0000497	490296.0	3624473.0	-5.37
L0000497	490286.0	3624481.0	-5.92
L0000497	490296.0	3624481.0	-7.02
L0000498	490286.0	3624481.0	-1.17
L0000498	490296.0	3624481.0	-1.83
L0000498	490286.0	3624491.0	-6.45
L0000498	490296.0	3624491.0	-7.86
L0000498	490286.0	3624501.0	-0.18
L0000498	490296.0	3624501.0	-0.78
L0000499	490286.0	3624491.0	0.80
L0000499	490296.0	3624491.0	0.17
L0000499	490286.0	3624501.0	-6.17
L0000499	490296.0	3624501.0	-7.68
L0000499	490286.0	3624511.0	-2.00
L0000499	490296.0	3624511.0	-2.82
L0000500	490286.0	3624511.0	-5.18
L0000500	490296.0	3624511.0	-6.58
L0000500	490286.0	3624521.0	-3.66
L0000500	490296.0	3624521.0	-4.76
L0000500	490289.0	3624525.0	-1.60

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

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SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0000500	490299.0	3624525.0	0.24
L0000501	490286.0	3624521.0	-3.73
L0000501	490296.0	3624521.0	-4.96
L0000501	490279.0	3624525.0	0.93
L0000501	490289.0	3624525.0	-8.61
L0000501	490299.0	3624525.0	-4.87
L0000501	490289.0	3624535.0	-3.66
L0000501	490299.0	3624535.0	-1.54
L0000502	490296.0	3624521.0	-0.81
L0000502	490289.0	3624525.0	0.20
L0000502	490299.0	3624525.0	-5.29
L0000502	490309.0	3624525.0	-0.29
L0000502	490289.0	3624535.0	-1.43
L0000502	490299.0	3624535.0	-9.07
L0000502	490309.0	3624535.0	-2.01
L0000502	490299.0	3624545.0	0.92
L0000503	490307.0	3624521.0	-0.41
L0000503	490317.0	3624521.0	0.01
L0000503	490309.0	3624525.0	-4.86
L0000503	490319.0	3624525.0	-2.00
L0000503	490299.0	3624535.0	0.68
L0000503	490309.0	3624535.0	-8.21
L0000503	490319.0	3624535.0	-4.07
L0000449	490319.0	3624535.0	0.55
L0000449	490319.0	3624545.0	-3.82
L0000450	490319.0	3624525.0	-0.04
L0000450	490319.0	3624535.0	-7.46
L0000450	490319.0	3624545.0	-2.34
L0000451	490319.0	3624525.0	-1.59
L0000451	490319.0	3624535.0	-0.96
L0000462	490317.0	3624511.0	-3.63
L0000462	490317.0	3624521.0	-1.33
L0000462	490319.0	3624525.0	0.59
L0000463	490317.0	3624501.0	-5.80
L0000463	490317.0	3624511.0	-5.52
L0000464	490317.0	3624491.0	-1.43
L0000464	490317.0	3624501.0	-2.95
L0000471	490317.0	3624471.0	-2.64
L0000471	490317.0	3624481.0	-6.34
L0000472	490317.0	3624461.0	-4.21

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SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0000472	490317.0	3624471.0	-6.50
L0000473	490317.0	3624461.0	-1.62
L0000480	490318.0	3624451.0	-0.64
L0000404	490319.0	3624535.0	0.55
L0000404	490319.0	3624545.0	-3.82
L0000405	490319.0	3624525.0	-0.04
L0000405	490319.0	3624535.0	-7.46
L0000405	490319.0	3624545.0	-2.34
L0000406	490319.0	3624525.0	-1.59
L0000406	490319.0	3624535.0	-0.96
L0000417	490317.0	3624511.0	-3.63
L0000417	490317.0	3624521.0	-1.33
L0000417	490319.0	3624525.0	0.59
L0000418	490307.0	3624511.0	-5.67
L0000418	490317.0	3624511.0	-7.25
L0000418	490307.0	3624521.0	-2.85
L0000418	490317.0	3624521.0	-3.88
L0000418	490309.0	3624525.0	-0.30
L0000418	490319.0	3624525.0	0.59
L0000419	490307.0	3624511.0	-5.32
L0000419	490307.0	3624521.0	-2.61
L0000419	490296.0	3624511.0	-6.72
L0000419	490296.0	3624521.0	-3.55
L0000419	490299.0	3624525.0	-0.83
L0000420	490307.0	3624501.0	-3.10
L0000420	490307.0	3624511.0	-0.75
L0000420	490296.0	3624491.0	0.60
L0000420	490286.0	3624501.0	0.37
L0000420	490296.0	3624501.0	-8.74
L0000420	490296.0	3624511.0	-4.43
L0000421	490307.0	3624491.0	-5.13
L0000421	490307.0	3624501.0	-7.78
L0000421	490317.0	3624501.0	0.98
L0000421	490296.0	3624491.0	-1.64
L0000421	490296.0	3624501.0	-3.20
L0000422	490307.0	3624491.0	-0.82
L0000422	490317.0	3624491.0	-5.90
L0000422	490307.0	3624501.0	-2.00
L0000422	490317.0	3624501.0	-8.42
L0000423	490317.0	3624491.0	0.94

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR FASTAREA/FASTALL

SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0000423	490317.0	3624501.0	0.14
L0000430	490317.0	3624471.0	-4.38
L0000430	490307.0	3624481.0	0.39
L0000430	490317.0	3624481.0	-8.74
L0000430	490317.0	3624491.0	0.57
L0000431	490307.0	3624471.0	-4.90
L0000431	490317.0	3624471.0	0.08
L0000431	490307.0	3624481.0	-9.47
L0000431	490317.0	3624481.0	-1.96
L0000431	490307.0	3624491.0	0.52
L0000431	490296.0	3624473.0	0.13
L0000431	490296.0	3624481.0	-0.73
L0000432	490307.0	3624471.0	-4.41
L0000432	490307.0	3624481.0	-1.92
L0000432	490296.0	3624463.0	-0.81
L0000432	490296.0	3624473.0	-8.39
L0000432	490296.0	3624481.0	-4.04
L0000433	490307.0	3624461.0	-5.82
L0000433	490307.0	3624471.0	-0.85
L0000433	490296.0	3624453.0	-2.41
L0000433	490296.0	3624463.0	-7.32
L0000433	490296.0	3624473.0	0.13
L0000433	490298.0	3624451.0	-1.27
L0000433	490308.0	3624451.0	0.70
L0000434	490307.0	3624461.0	-7.15
L0000434	490317.0	3624461.0	-7.23
L0000434	490307.0	3624471.0	-0.89
L0000434	490317.0	3624471.0	-0.93
L0000434	490308.0	3624451.0	-1.51
L0000434	490318.0	3624451.0	-0.65
L0000435	490317.0	3624461.0	-4.96
L0000435	490317.0	3624471.0	0.10
L0000435	490318.0	3624451.0	-0.35
L0000443	490317.0	3624461.0	-1.22
L0000443	490318.0	3624441.0	-2.15
L0000443	490308.0	3624451.0	0.52
L0000443	490318.0	3624451.0	-9.47
L0000394	490319.0	3624525.0	0.11
L0000394	490319.0	3624535.0	0.76

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
(1=YES; 0=NO)

1 1 1

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: SD International\722900.SFC Met Version:
14134
Profile file: SD International\722900.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 23188 Upper air station no.: 3190
Name: SAN_DIEGO/LINDBERGH_FIELD Name: UNKNOWN
Year: 2009 Year: 2009

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
09	01	01	1	01	-7.9	0.118	-9.000	-9.000	-999.	97.	18.6	0.37	0.95	1.00	1.76	11.	10.0	282.5	2.0
09	01	01	1	02	-18.0	0.318	-9.000	-9.000	-999.	430.	161.4	0.37	0.95	1.00	2.86	18.	10.0	282.5	2.0
09	01	01	1	03	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.46	0.95	1.00	0.00	0.	10.0	282.5	2.0
09	01	01	1	04	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.46	0.95	1.00	0.00	0.	10.0	282.0	2.0
09	01	01	1	05	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.46	0.95	1.00	0.00	0.	10.0	281.4	2.0
09	01	01	1	06	-8.3	0.146	-9.000	-9.000	-999.	134.	33.9	0.35	0.95	1.00	1.76	342.	10.0	280.9	2.0
09	01	01	1	07	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.46	0.95	1.00	0.00	0.	10.0	280.4	2.0
09	01	01	1	08	-7.4	0.166	-9.000	-9.000	-999.	163.	56.6	0.35	0.95	0.49	1.76	343.	10.0	280.9	2.0
09	01	01	1	09	38.3	0.459	0.419	0.007	70.	746.	-229.2	0.47	0.95	0.29	3.36	297.	10.0	281.4	2.0
09	01	01	1	10	58.3	0.348	0.576	0.007	119.	501.	-65.6	0.47	0.95	0.22	2.36	291.	10.0	283.1	2.0
09	01	01	1	11	118.8	0.342	0.880	0.007	208.	479.	-30.5	0.35	0.95	0.20	2.36	304.	10.0	286.4	2.0
09	01	01	1	12	129.3	0.429	1.007	0.007	286.	674.	-55.3	0.47	0.95	0.19	2.86	286.	10.0	287.5	2.0
09	01	01	1	13	127.0	0.505	1.111	0.007	391.	861.	-91.9	0.35	0.95	0.19	3.86	303.	10.0	287.5	2.0
09	01	01	1	14	107.2	0.482	1.111	0.007	463.	803.	-94.3	0.47	0.95	0.20	3.36	289.	10.0	288.1	2.0
09	01	01	1	15	70.3	0.491	1.009	0.007	529.	825.	-152.0	0.35	0.95	0.23	3.86	312.	10.0	288.1	2.0
09	01	01	1	16	25.7	0.532	0.734	0.007	556.	931.	-530.7	0.35	0.95	0.32	4.36	304.	10.0	287.0	2.0
09	01	01	1	17	-35.6	0.430	-9.000	-9.000	-999.	686.	202.2	0.35	0.95	0.59	3.86	301.	10.0	284.9	2.0
09	01	01	1	18	-23.2	0.414	-9.000	-9.000	-999.	639.	276.3	0.47	0.95	1.00	3.36	277.	10.0	284.9	2.0
09	01	01	1	19	-14.0	0.249	-9.000	-9.000	-999.	319.	99.9	0.37	0.95	1.00	2.36	4.	10.0	284.9	2.0
09	01	01	1	20	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.46	0.95	1.00	0.00	0.	10.0	284.2	2.0
09	01	01	1	21	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.46	0.95	1.00	0.00	0.	10.0	284.2	2.0
09	01	01	1	22	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.46	0.95	1.00	0.00	0.	10.0	283.1	2.0
09	01	01	1	23	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.46	0.95	1.00	0.00	0.	10.0	283.1	2.0
09	01	01	1	24	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.46	0.95	1.00	0.00	0.	10.0	283.1	2.0

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
09	01	01	01	10.0	1	11.	1.76	282.6	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: HAUL1A ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
489960.00	3624026.00	0.32080	490010.00	3624026.00	0.36452
490060.00	3624026.00	0.41186	490110.00	3624026.00	0.46063
490160.00	3624026.00	0.50804	490210.00	3624026.00	0.55242
490260.00	3624026.00	0.59502	490310.00	3624026.00	0.64118
490360.00	3624026.00	0.69412	490410.00	3624026.00	0.75230
490460.00	3624026.00	0.80439	490510.00	3624026.00	0.83883
490560.00	3624026.00	0.84856	490610.00	3624026.00	0.83243
490660.00	3624026.00	0.79498	490710.00	3624026.00	0.74327
489960.00	3624076.00	0.37533	490010.00	3624076.00	0.43681
490060.00	3624076.00	0.50667	490110.00	3624076.00	0.58196
490160.00	3624076.00	0.65756	490210.00	3624076.00	0.72906
490260.00	3624076.00	0.79808	490310.00	3624076.00	0.87440
490360.00	3624076.00	0.96215	490410.00	3624076.00	1.05002
490460.00	3624076.00	1.11182	490510.00	3624076.00	1.13035
490560.00	3624076.00	1.10475	490610.00	3624076.00	1.04348
490660.00	3624076.00	0.95981	490710.00	3624076.00	0.86685
489960.00	3624126.00	0.44082	490010.00	3624126.00	0.52854
490060.00	3624126.00	0.63444	490110.00	3624126.00	0.75626
490160.00	3624126.00	0.88545	490210.00	3624126.00	1.01074
490260.00	3624126.00	1.13240	490310.00	3624126.00	1.26929
490360.00	3624126.00	1.42063	490410.00	3624126.00	1.54162
490460.00	3624126.00	1.58216	490510.00	3624126.00	1.53482
490560.00	3624126.00	1.42489	490610.00	3624126.00	1.28110
490660.00	3624126.00	1.12787	490710.00	3624126.00	0.98082
489960.00	3624176.00	0.51734	490010.00	3624176.00	0.64223
490060.00	3624176.00	0.80714	490110.00	3624176.00	1.01444
490160.00	3624176.00	1.25477	490210.00	3624176.00	1.50096
490260.00	3624176.00	1.74327	490310.00	3624176.00	2.01584
490360.00	3624176.00	2.27032	490410.00	3624176.00	2.37268
490460.00	3624176.00	2.27817	490510.00	3624176.00	2.05630
490560.00	3624176.00	1.78363	490610.00	3624176.00	1.51454
490660.00	3624176.00	1.27246	490710.00	3624176.00	1.06579
489960.00	3624226.00	0.60109	490010.00	3624226.00	0.77830
490060.00	3624226.00	1.03582	490110.00	3624226.00	1.40431
490160.00	3624226.00	1.89807	490210.00	3624226.00	2.46811
490260.00	3624226.00	3.04495	490310.00	3624226.00	3.64772
490360.00	3624226.00	3.94717	490410.00	3624226.00	3.72588
490460.00	3624226.00	3.19811	490510.00	3624226.00	2.62819
490560.00	3624226.00	2.11203	490610.00	3624226.00	1.69203
490660.00	3624226.00	1.36020	490710.00	3624226.00	1.10244

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: HAUL1A ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
489960.00	3624276.00	0.68449	490010.00	3624276.00	0.92575
490060.00	3624276.00	1.31936	490110.00	3624276.00	1.97851
490160.00	3624276.00	3.08928	490210.00	3624276.00	4.76212
490260.00	3624276.00	6.63348	490310.00	3624276.00	7.89117
490360.00	3624276.00	7.20169	490410.00	3624276.00	5.60951
490460.00	3624276.00	4.15831	490510.00	3624276.00	3.08011
490560.00	3624276.00	2.30561	490610.00	3624276.00	1.75752
490660.00	3624276.00	1.36468	490710.00	3624276.00	1.08046
489960.00	3624326.00	0.74859	490010.00	3624326.00	1.05290
490060.00	3624326.00	1.61049	490110.00	3624326.00	2.70397
490160.00	3624326.00	5.19477	490210.00	3624326.00	11.68492
490260.00	3624326.00	23.47233	490310.00	3624326.00	19.98362
490360.00	3624326.00	12.17895	490410.00	3624326.00	7.38247
490460.00	3624326.00	4.72769	490510.00	3624326.00	3.21389
490560.00	3624326.00	2.28169	490610.00	3624326.00	1.68453
490660.00	3624326.00	1.28352	490710.00	3624326.00	1.00527
489960.00	3624376.00	0.78731	490010.00	3624376.00	1.14197
490060.00	3624376.00	1.81090	490110.00	3624376.00	3.29005
490160.00	3624376.00	7.58057	490410.00	3624376.00	7.73113
490460.00	3624376.00	4.53608	490510.00	3624376.00	2.95328
490560.00	3624376.00	2.05464	490610.00	3624376.00	1.50487
490660.00	3624376.00	1.14516	490710.00	3624376.00	0.89773
489960.00	3624426.00	0.78395	490010.00	3624426.00	1.13304
490060.00	3624426.00	1.79434	490110.00	3624426.00	3.26297
490160.00	3624426.00	7.40496	490410.00	3624426.00	6.34658
490460.00	3624426.00	3.74823	490510.00	3624426.00	2.43921
490560.00	3624426.00	1.74372	490610.00	3624426.00	1.28947
490660.00	3624426.00	0.99163	490710.00	3624426.00	0.78482
489960.00	3624476.00	0.74279	490010.00	3624476.00	1.04874
490060.00	3624476.00	1.57923	490110.00	3624476.00	2.67645
490160.00	3624476.00	4.95339	490410.00	3624476.00	4.46190
490460.00	3624476.00	2.85709	490510.00	3624476.00	1.96800
490560.00	3624476.00	1.46084	490610.00	3624476.00	1.09972
490660.00	3624476.00	0.85842	490710.00	3624476.00	0.68742
489960.00	3624526.00	0.67206	490010.00	3624526.00	0.90340
490060.00	3624526.00	1.29337	490110.00	3624526.00	1.95791
490160.00	3624526.00	3.13446	490410.00	3624526.00	3.33743
490460.00	3624526.00	2.27400	490510.00	3624526.00	1.60783
490560.00	3624526.00	1.24637	490610.00	3624526.00	0.95805
490660.00	3624526.00	0.75797	490710.00	3624526.00	0.61316

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: HAUL1A ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
489960.00	3624576.00	0.58563	490010.00	3624576.00	0.76051
490060.00	3624576.00	1.01996	490110.00	3624576.00	1.43082
490160.00	3624576.00	2.10281	490210.00	3624576.00	2.92536
490260.00	3624576.00	3.58883	490310.00	3624576.00	3.64638
490360.00	3624576.00	3.14716	490410.00	3624576.00	2.46575
490460.00	3624576.00	1.86453	490510.00	3624576.00	1.34448
490560.00	3624576.00	1.03900	490610.00	3624576.00	0.85399
490660.00	3624576.00	0.68408	490710.00	3624576.00	0.55859
489960.00	3624626.00	0.50754	490010.00	3624626.00	0.63726
490060.00	3624626.00	0.81745	490110.00	3624626.00	1.09158
490160.00	3624626.00	1.47110	490210.00	3624626.00	1.87947
490260.00	3624626.00	2.20948	490310.00	3624626.00	2.31208
490360.00	3624626.00	2.15645	490410.00	3624626.00	1.83445
490460.00	3624626.00	1.49618	490510.00	3624626.00	1.18764
490560.00	3624626.00	0.90297	490610.00	3624626.00	0.75639
490660.00	3624626.00	0.62509	490710.00	3624626.00	0.51602
489960.00	3624676.00	0.43927	490010.00	3624676.00	0.53769
490060.00	3624676.00	0.67369	490110.00	3624676.00	0.85947
490160.00	3624676.00	1.08127	490210.00	3624676.00	1.31414
490260.00	3624676.00	1.50189	490310.00	3624676.00	1.58407
490360.00	3624676.00	1.53570	490410.00	3624676.00	1.37279
490460.00	3624676.00	1.14677	490510.00	3624676.00	0.96773
490560.00	3624676.00	0.80058	490610.00	3624676.00	0.64655
490660.00	3624676.00	0.56742	490710.00	3624676.00	0.47890
489960.00	3624726.00	0.38222	490010.00	3624726.00	0.45976
490060.00	3624726.00	0.55956	490110.00	3624726.00	0.68448
490160.00	3624726.00	0.82820	490210.00	3624726.00	0.97270
490260.00	3624726.00	1.08840	490310.00	3624726.00	1.14288
490360.00	3624726.00	1.13267	490410.00	3624726.00	1.05409
490460.00	3624726.00	0.95533	490510.00	3624726.00	0.84141
490560.00	3624726.00	0.72094	490610.00	3624726.00	0.57555
490660.00	3624726.00	0.48762	490710.00	3624726.00	0.44141
489960.00	3624776.00	0.33573	490010.00	3624776.00	0.39540
490060.00	3624776.00	0.46909	490110.00	3624776.00	0.55711
490160.00	3624776.00	0.65489	490210.00	3624776.00	0.75052
490260.00	3624776.00	0.82757	490310.00	3624776.00	0.87091
490360.00	3624776.00	0.87338	490410.00	3624776.00	0.83751
490460.00	3624776.00	0.78021	490510.00	3624776.00	0.70512
490560.00	3624776.00	0.62370	490610.00	3624776.00	0.54131
490660.00	3624776.00	0.44024	490710.00	3624776.00	0.38189

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: HAUL1A ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
489960.00	3624826.00	0.29254	490010.00	3624826.00	0.34054
490060.00	3624826.00	0.39697	490110.00	3624826.00	0.46168
490160.00	3624826.00	0.53140	490210.00	3624826.00	0.59800
490260.00	3624826.00	0.65133	490310.00	3624826.00	0.68335
490360.00	3624826.00	0.69056	490410.00	3624826.00	0.67357
490460.00	3624826.00	0.63907	490510.00	3624826.00	0.59173
490560.00	3624826.00	0.53701	490610.00	3624826.00	0.48019
490660.00	3624826.00	0.41756	490710.00	3624826.00	0.34765
489960.00	3624876.00	0.25931	490010.00	3624876.00	0.29593
490060.00	3624876.00	0.34014	490110.00	3624876.00	0.38912
490160.00	3624876.00	0.44007	490210.00	3624876.00	0.48794
490260.00	3624876.00	0.52640	490310.00	3624876.00	0.55051
490360.00	3624876.00	0.55832	490410.00	3624876.00	0.55063
490460.00	3624876.00	0.53010	490510.00	3624876.00	0.49966
490560.00	3624876.00	0.46257	490610.00	3624876.00	0.42208
490660.00	3624876.00	0.37725	490710.00	3624876.00	0.32000
490210.00	3624326.00	11.68492	490220.00	3624326.00	13.84595
490230.00	3624326.00	16.24544	490240.00	3624326.00	18.85876
490250.00	3624326.00	21.39914	490260.00	3624326.00	23.47233
490270.00	3624326.00	24.59281	490280.00	3624326.00	24.49375
490290.00	3624326.00	23.42293	490300.00	3624326.00	21.80706
490310.00	3624326.00	19.98362	490320.00	3624326.00	18.20856
490330.00	3624326.00	16.50723	490340.00	3624326.00	14.92587
490350.00	3624326.00	13.47278	490360.00	3624326.00	12.17895
490370.00	3624326.00	10.99765	490380.00	3624326.00	9.93205
490390.00	3624326.00	8.97932	490400.00	3624326.00	8.13577
490410.00	3624326.00	7.38247	490420.00	3624326.00	6.70628
490430.00	3624326.00	6.12622	490440.00	3624326.00	5.60813
490450.00	3624326.00	5.14185	490460.00	3624326.00	4.72769
490210.00	3624336.00	14.36022	490220.00	3624336.00	17.65085
490230.00	3624336.00	21.55426	490240.00	3624336.00	26.12509
490250.00	3624336.00	30.75981	490260.00	3624336.00	34.12444
490270.00	3624336.00	35.02224	490280.00	3624336.00	33.43048
490290.00	3624336.00	30.49455	490300.00	3624336.00	27.19499
490310.00	3624336.00	24.03232	490320.00	3624336.00	21.26186
490330.00	3624336.00	18.81022	490340.00	3624336.00	16.66487
490350.00	3624336.00	14.77662	490360.00	3624336.00	13.16297
490370.00	3624336.00	11.74121	490380.00	3624336.00	10.49250
490390.00	3624336.00	9.39768	490400.00	3624336.00	8.44249
490410.00	3624336.00	7.60349	490420.00	3624336.00	6.86865

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: HAUL1A ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
490430.00	3624336.00	6.24295	490440.00	3624336.00	5.68550
490450.00	3624336.00	5.19092	490460.00	3624336.00	4.75544
490210.00	3624346.00	17.61670	490220.00	3624346.00	22.68898
490230.00	3624346.00	29.43241	490240.00	3624346.00	38.04652
490250.00	3624346.00	47.52435	490260.00	3624346.00	53.93314
490270.00	3624346.00	53.08066	490280.00	3624346.00	46.92084
490290.00	3624346.00	39.86762	490300.00	3624346.00	33.67878
490310.00	3624346.00	28.56056	490320.00	3624346.00	24.47701
490330.00	3624346.00	21.11498	490340.00	3624346.00	18.33180
490350.00	3624346.00	15.98073	490360.00	3624346.00	14.03398
490370.00	3624346.00	12.37375	490380.00	3624346.00	10.94515
490390.00	3624346.00	9.71789	490400.00	3624346.00	8.66287
490410.00	3624346.00	7.75173	490420.00	3624346.00	6.97135
490430.00	3624346.00	6.30406	490440.00	3624346.00	5.71758
490450.00	3624346.00	5.20276	490460.00	3624346.00	4.75202
490210.00	3624356.00	21.33001	490220.00	3624356.00	28.85034
490230.00	3624356.00	40.13957	490240.00	3624356.00	57.24680
490250.00	3624356.00	22.44134	490260.00	3624356.00	24.87371
490270.00	3624356.00	25.76199	490280.00	3624356.00	67.94196
490290.00	3624356.00	51.77287	490300.00	3624356.00	40.93116
490310.00	3624356.00	33.27223	490320.00	3624356.00	27.62025
490330.00	3624356.00	23.25604	490340.00	3624356.00	19.80250
490350.00	3624356.00	17.00873	490360.00	3624356.00	14.73715
490370.00	3624356.00	12.85369	490380.00	3624356.00	11.26493
490390.00	3624356.00	9.92769	490400.00	3624356.00	8.79512
490410.00	3624356.00	7.82752	490420.00	3624356.00	7.01147
490430.00	3624356.00	6.30985	490440.00	3624356.00	5.70227
490450.00	3624356.00	5.17463	490460.00	3624356.00	4.71421
490210.00	3624366.00	25.14443	490220.00	3624366.00	35.53170
490230.00	3624366.00	52.89473	490240.00	3624366.00	27.91543
490250.00	3624366.00	34.18071	490370.00	3624366.00	13.14675
490380.00	3624366.00	11.43849	490390.00	3624366.00	10.01560
490400.00	3624366.00	8.82527	490410.00	3624366.00	7.82477
490420.00	3624366.00	6.97841	490430.00	3624366.00	6.25701
490440.00	3624366.00	5.63924	490450.00	3624366.00	5.10619
490460.00	3624366.00	4.64206	490210.00	3624376.00	28.51332
490220.00	3624376.00	41.51694	490230.00	3624376.00	64.38162
490240.00	3624376.00	42.14904	490250.00	3624376.00	57.06878
490370.00	3624376.00	13.23760	490380.00	3624376.00	11.44904
490390.00	3624376.00	9.97413	490400.00	3624376.00	8.75221

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: HAUL1A ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
490410.00	3624376.00	7.73113	490420.00	3624376.00	6.87649
490430.00	3624376.00	6.14736	490440.00	3624376.00	5.52688
490450.00	3624376.00	4.99714	490460.00	3624376.00	4.53608
490210.00	3624386.00	30.95791	490220.00	3624386.00	45.41387
490230.00	3624386.00	71.36819	490240.00	3624386.00	16.50315
490250.00	3624386.00	20.24179	490370.00	3624386.00	13.11789
490380.00	3624386.00	11.30182	490390.00	3624386.00	9.81261
490400.00	3624386.00	8.58582	490410.00	3624386.00	7.56592
490420.00	3624386.00	6.71997	490430.00	3624386.00	5.99626
490440.00	3624386.00	5.37277	490450.00	3624386.00	4.85372
490460.00	3624386.00	4.40444	490210.00	3624396.00	32.08339
490220.00	3624396.00	47.39034	490230.00	3624396.00	74.57629
490240.00	3624396.00	62.33780	490250.00	3624396.00	33.74545
490370.00	3624396.00	12.76935	490380.00	3624396.00	10.99243
490390.00	3624396.00	9.52818	490400.00	3624396.00	8.32771
490410.00	3624396.00	7.33624	490420.00	3624396.00	6.50528
490430.00	3624396.00	5.80426	490440.00	3624396.00	5.19418
490450.00	3624396.00	4.68640	490460.00	3624396.00	4.25350
490210.00	3624406.00	31.87279	490220.00	3624406.00	47.10402
490230.00	3624406.00	73.91996	490240.00	3624406.00	62.23850
490250.00	3624406.00	29.76586	490370.00	3624406.00	12.23442
490380.00	3624406.00	10.54641	490390.00	3624406.00	9.14431
490400.00	3624406.00	7.99629	490410.00	3624406.00	7.04481
490420.00	3624406.00	6.24741	490430.00	3624406.00	5.58100
490440.00	3624406.00	5.00212	490450.00	3624406.00	4.50604
490460.00	3624406.00	4.08775	490210.00	3624416.00	30.39435
490220.00	3624416.00	44.54716	490230.00	3624416.00	69.69839
490240.00	3624416.00	14.98642	490250.00	3624416.00	17.73780
490370.00	3624416.00	11.55013	490380.00	3624416.00	9.98090
490390.00	3624416.00	8.67816	490400.00	3624416.00	7.60295
490410.00	3624416.00	6.70737	490420.00	3624416.00	5.96118
490430.00	3624416.00	5.33269	490440.00	3624416.00	4.79296
490450.00	3624416.00	4.31861	490460.00	3624416.00	3.91706
490210.00	3624426.00	27.66601	490220.00	3624426.00	39.78076
490230.00	3624426.00	61.17543	490240.00	3624426.00	38.78408
490250.00	3624426.00	50.30899	490370.00	3624426.00	10.77100
490380.00	3624426.00	9.34392	490390.00	3624426.00	8.15429
490400.00	3624426.00	7.17061	490410.00	3624426.00	6.34658
490420.00	3624426.00	5.65625	490430.00	3624426.00	5.06862
490440.00	3624426.00	4.56753	490450.00	3624426.00	4.13320

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: HAUL1A ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
490460.00	3624426.00	3.74823	490210.00	3624436.00	24.01157
490220.00	3624436.00	33.63343	490230.00	3624436.00	49.51355
490240.00	3624436.00	25.78317	490250.00	3624436.00	30.66186
490370.00	3624436.00	9.94191	490380.00	3624436.00	8.67460
490390.00	3624436.00	7.60851	490400.00	3624436.00	6.71959
490410.00	3624436.00	5.97202	490420.00	3624436.00	5.34164
490430.00	3624436.00	4.79375	490440.00	3624436.00	4.33399
490450.00	3624436.00	3.93715	490460.00	3624436.00	3.58004
490210.00	3624446.00	20.39376	490220.00	3624446.00	27.35709
490230.00	3624446.00	37.85115	490240.00	3624446.00	52.95587
490250.00	3624446.00	20.39957	490370.00	3624446.00	9.11981
490380.00	3624446.00	8.00094	490390.00	3624446.00	7.06277
490400.00	3624446.00	6.27000	490410.00	3624446.00	5.59722
490420.00	3624446.00	5.02384	490430.00	3624446.00	4.52919
490440.00	3624446.00	4.10351	490450.00	3624446.00	3.73548
490460.00	3624446.00	3.40627	490210.00	3624456.00	16.88269
490220.00	3624456.00	21.55650	490230.00	3624456.00	27.72126
490240.00	3624456.00	35.54505	490250.00	3624456.00	42.50440
490370.00	3624456.00	8.33328	490380.00	3624456.00	7.37070
490390.00	3624456.00	6.54310	490400.00	3624456.00	5.83550
490410.00	3624456.00	5.23471	490420.00	3624456.00	4.72054
490430.00	3624456.00	4.27159	490440.00	3624456.00	3.88209
490450.00	3624456.00	3.53980	490460.00	3624456.00	3.22944
490210.00	3624466.00	13.93588	490220.00	3624466.00	17.07296
490230.00	3624466.00	20.92510	490240.00	3624466.00	24.90598
490250.00	3624466.00	28.04803	490370.00	3624466.00	7.58970
490380.00	3624466.00	6.76201	490390.00	3624466.00	6.02553
490400.00	3624466.00	5.38839	490410.00	3624466.00	4.85097
490420.00	3624466.00	4.39543	490430.00	3624466.00	3.99762
490440.00	3624466.00	3.65440	490450.00	3624466.00	3.33659
490460.00	3624466.00	3.04924	490210.00	3624476.00	11.52627
490220.00	3624476.00	13.69965	490230.00	3624476.00	16.15470
490240.00	3624476.00	18.33666	490250.00	3624476.00	19.97710
490370.00	3624476.00	6.89812	490380.00	3624476.00	6.18200
490390.00	3624476.00	5.54747	490400.00	3624476.00	4.98919
490410.00	3624476.00	4.46190	490420.00	3624476.00	4.03865
490430.00	3624476.00	3.69697	490440.00	3624476.00	3.38900
490450.00	3624476.00	3.11431	490460.00	3624476.00	2.85709
490210.00	3624486.00	9.62675	490220.00	3624486.00	11.15617
490230.00	3624486.00	12.73778	490240.00	3624486.00	14.10948

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: HAUL1A ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
490250.00	3624486.00	15.11536	490380.00	3624486.00	5.68806
490390.00	3624486.00	5.14353	490400.00	3624486.00	4.62675
490410.00	3624486.00	4.05277	490420.00	3624486.00	3.67879
490430.00	3624486.00	3.36826	490440.00	3624486.00	3.09990
490450.00	3624486.00	2.85940	490460.00	3624486.00	2.65942
490210.00	3624496.00	8.16581	490220.00	3624496.00	9.26451
490230.00	3624496.00	10.29524	490240.00	3624496.00	11.21651
490250.00	3624496.00	11.91024	490390.00	3624496.00	4.78043
490400.00	3624496.00	4.33888	490410.00	3624496.00	3.90039
490420.00	3624496.00	3.56699	490430.00	3624496.00	3.26203
490440.00	3624496.00	2.97203	490450.00	3624496.00	2.72364
490460.00	3624496.00	2.50056	490210.00	3624506.00	6.98169
490220.00	3624506.00	7.75731	490230.00	3624506.00	8.49789
490240.00	3624506.00	9.14811	490250.00	3624506.00	9.65230
490400.00	3624506.00	4.09568	490410.00	3624506.00	3.77407
490420.00	3624506.00	3.47690	490430.00	3624506.00	3.17890
490440.00	3624506.00	2.92304	490450.00	3624506.00	2.67512
490460.00	3624506.00	2.43755	490210.00	3624516.00	6.01335
490220.00	3624516.00	6.59046	490230.00	3624516.00	7.13647
490240.00	3624516.00	7.61934	490250.00	3624516.00	8.00251
490410.00	3624516.00	3.54766	490420.00	3624516.00	3.28137
490430.00	3624516.00	3.02605	490440.00	3624516.00	2.79761
490450.00	3624516.00	2.58226	490460.00	3624516.00	2.37110
490210.00	3624526.00	5.22535	490220.00	3624526.00	5.66891
490230.00	3624526.00	6.08505	490240.00	3624526.00	6.45634
490250.00	3624526.00	6.75703	490410.00	3624526.00	3.33743
490420.00	3624526.00	3.10163	490430.00	3624526.00	2.87365
490440.00	3624526.00	2.66643	490450.00	3624526.00	2.47080
490460.00	3624526.00	2.27400	490210.00	3624536.00	4.58356
490220.00	3624536.00	4.93273	490230.00	3624536.00	5.25950
490240.00	3624536.00	5.55364	490250.00	3624536.00	5.79471
490410.00	3624536.00	3.14236	490420.00	3624536.00	2.92894
490430.00	3624536.00	2.72590	490440.00	3624536.00	2.53977
490450.00	3624536.00	2.36914	490460.00	3624536.00	2.19508
490210.00	3624546.00	4.05512	490220.00	3624546.00	4.33530
490230.00	3624546.00	4.59902	490240.00	3624546.00	4.83593
490250.00	3624546.00	5.03354	490410.00	3624546.00	2.95827
490420.00	3624546.00	2.76846	490430.00	3624546.00	2.58749
490440.00	3624546.00	2.42002	490450.00	3624546.00	2.26276
490460.00	3624546.00	2.11565	490210.00	3624556.00	3.61364

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: HAUL1A ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
490220.00	3624556.00	3.84280	490230.00	3624556.00	4.05860
490240.00	3624556.00	4.25315	490250.00	3624556.00	4.41791
490410.00	3624556.00	2.78371	490420.00	3624556.00	2.61806
490430.00	3624556.00	2.45774	490440.00	3624556.00	2.30726
490450.00	3624556.00	2.16489	490460.00	3624556.00	2.02967
490210.00	3624566.00	3.24127	490220.00	3624566.00	3.43141
490230.00	3624566.00	3.61062	490240.00	3624566.00	3.77273
490250.00	3624566.00	3.91179	490260.00	3624566.00	4.02245
490270.00	3624566.00	4.09913	490280.00	3624566.00	4.13854
490290.00	3624566.00	4.14147	490300.00	3624566.00	4.10768
490310.00	3624566.00	4.04310	490320.00	3624566.00	3.94831
490330.00	3624566.00	3.83175	490340.00	3624566.00	3.70374
490350.00	3624566.00	3.56105	490360.00	3624566.00	3.40832
490370.00	3624566.00	3.25018	490380.00	3624566.00	3.09264
490390.00	3624566.00	2.93433	490400.00	3624566.00	2.77439
490410.00	3624566.00	2.61938	490420.00	3624566.00	2.47372
490430.00	3624566.00	2.33145	490440.00	3624566.00	2.19658
490450.00	3624566.00	2.06757	490460.00	3624566.00	1.94676
490210.00	3624576.00	2.92536	490220.00	3624576.00	3.08595
490230.00	3624576.00	3.23685	490240.00	3624576.00	3.37455
490250.00	3624576.00	3.49270	490260.00	3624576.00	3.58883
490270.00	3624576.00	3.65894	490280.00	3624576.00	3.69845
490290.00	3624576.00	3.70875	490300.00	3624576.00	3.69162
490310.00	3624576.00	3.64638	490320.00	3624576.00	3.57592
490330.00	3624576.00	3.48611	490340.00	3624576.00	3.38620
490350.00	3624576.00	3.27328	490360.00	3624576.00	3.14716
490370.00	3624576.00	3.01596	490380.00	3624576.00	2.88050
490390.00	3624576.00	2.74236	490400.00	3624576.00	2.60194
490410.00	3624576.00	2.46575	490420.00	3624576.00	2.33728
490430.00	3624576.00	2.21127	490440.00	3624576.00	2.09051
490450.00	3624576.00	1.97407	490460.00	3624576.00	1.86453
490210.00	3624586.00	2.65426	490220.00	3624586.00	2.79066
490230.00	3624586.00	2.91957	490240.00	3624586.00	3.03698
490250.00	3624586.00	3.13923	490260.00	3624586.00	3.22271
490270.00	3624586.00	3.28541	490280.00	3624586.00	3.32372
490290.00	3624586.00	3.34020	490300.00	3624586.00	3.33207
490310.00	3624586.00	3.30310	490320.00	3624586.00	3.25107
490330.00	3624586.00	3.18189	490340.00	3624586.00	3.10306
490350.00	3624586.00	3.01120	490360.00	3624586.00	2.90775
490370.00	3624586.00	2.79774	490380.00	3624586.00	2.68233

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: HAUL1A ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
490390.00	3624586.00	2.56411	490400.00	3624586.00	2.44158
490410.00	3624586.00	2.32223	490420.00	3624586.00	2.21094
490430.00	3624586.00	2.09888	490440.00	3624586.00	1.99005
490450.00	3624586.00	1.88444	490460.00	3624586.00	1.78496
490210.00	3624596.00	2.41966	490220.00	3624596.00	2.53686
490230.00	3624596.00	2.64752	490240.00	3624596.00	2.74835
490250.00	3624596.00	2.83746	490260.00	3624596.00	2.91088
490270.00	3624596.00	2.96725	490280.00	3624596.00	3.00440
490290.00	3624596.00	3.02424	490300.00	3624596.00	3.02274
490310.00	3624596.00	3.00437	490320.00	3624596.00	2.96698
490330.00	3624596.00	2.91350	490340.00	3624596.00	2.85115
490350.00	3624596.00	2.77676	490360.00	3624596.00	2.69153
490370.00	3624596.00	2.59906	490380.00	3624596.00	2.50135
490390.00	3624596.00	2.39969	490400.00	3624596.00	2.29285
490410.00	3624596.00	2.18781	490420.00	3624596.00	2.08730
490430.00	3624596.00	1.98797	490440.00	3624596.00	1.89132
490450.00	3624596.00	1.79752	490460.00	3624596.00	1.70797
490210.00	3624606.00	2.21562	490220.00	3624606.00	2.31732
490230.00	3624606.00	2.41311	490240.00	3624606.00	2.50094
490250.00	3624606.00	2.57803	490260.00	3624606.00	2.64328
490270.00	3624606.00	2.69438	490280.00	3624606.00	2.72986
490290.00	3624606.00	2.75041	490300.00	3624606.00	2.75448
490310.00	3624606.00	2.74352	490320.00	3624606.00	2.71682
490330.00	3624606.00	2.67593	490340.00	3624606.00	2.62589
490350.00	3624606.00	2.56686	490360.00	3624606.00	2.49548
490370.00	3624606.00	2.41883	490380.00	3624606.00	2.33585
490390.00	3624606.00	2.24852	490400.00	3624606.00	2.15481
490410.00	3624606.00	2.06249	490420.00	3624606.00	1.97392
490430.00	3624606.00	1.88584	490440.00	3624606.00	1.79968
490450.00	3624606.00	1.71573	490460.00	3624606.00	1.63459
490210.00	3624616.00	2.03687	490220.00	3624616.00	2.12547
490230.00	3624616.00	2.20906	490240.00	3624616.00	2.28575
490250.00	3624616.00	2.35347	490260.00	3624616.00	2.41147
490270.00	3624616.00	2.45781	490280.00	3624616.00	2.49109
490290.00	3624616.00	2.51234	490300.00	3624616.00	2.52011
490310.00	3624616.00	2.51431	490320.00	3624616.00	2.49524
490330.00	3624616.00	2.46396	490340.00	3624616.00	2.42532
490350.00	3624616.00	2.37652	490360.00	3624616.00	2.31786
490370.00	3624616.00	2.25350	490380.00	3624616.00	2.18283
490390.00	3624616.00	2.10764	490400.00	3624616.00	2.02621

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: HAUL1A ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
490410.00	3624616.00	1.94501	490420.00	3624616.00	1.86877
490430.00	3624616.00	1.79119	490440.00	3624616.00	1.71448
490450.00	3624616.00	1.63835	490460.00	3624616.00	1.56433
490307.00	3624461.00	19.64569	490317.00	3624461.00	16.82532
490307.00	3624471.00	16.12878	490317.00	3624471.00	14.18333
490307.00	3624481.00	13.37988	490317.00	3624481.00	12.02636
490307.00	3624491.00	11.22319	490317.00	3624491.00	10.27366
490307.00	3624501.00	9.51872	490317.00	3624501.00	8.84691
490307.00	3624511.00	8.15398	490317.00	3624511.00	7.68020
490307.00	3624521.00	7.05495	490317.00	3624521.00	6.71208
490276.00	3624433.00	32.10933	490286.00	3624433.00	69.45585
490296.00	3624433.00	46.83895	490276.00	3624443.00	21.77969
490286.00	3624443.00	50.43839	490296.00	3624443.00	37.13590
490276.00	3624453.00	44.46377	490286.00	3624453.00	35.76564
490296.00	3624453.00	28.71560	490276.00	3624463.00	29.98687
490286.00	3624463.00	26.09537	490296.00	3624463.00	22.33890
490276.00	3624473.00	21.60840	490286.00	3624473.00	19.78410
490296.00	3624473.00	17.69960	490276.00	3624481.00	17.32459
490286.00	3624481.00	16.27301	490296.00	3624481.00	14.92791
490276.00	3624491.00	13.63368	490286.00	3624491.00	13.06332
490296.00	3624491.00	12.24728	490276.00	3624501.00	11.03101
490286.00	3624501.00	10.70748	490296.00	3624501.00	10.20038
490276.00	3624511.00	9.12324	490286.00	3624511.00	8.94082
490296.00	3624511.00	8.61626	490276.00	3624521.00	7.67829
490286.00	3624521.00	7.57994	490296.00	3624521.00	7.36998
490279.00	3624525.00	7.18585	490289.00	3624525.00	7.07842
490299.00	3624525.00	6.87886	490309.00	3624525.00	6.62011
490319.00	3624525.00	6.30396	490279.00	3624535.00	6.18146
490289.00	3624535.00	6.12212	490299.00	3624535.00	5.99148
490309.00	3624535.00	5.80665	490319.00	3624535.00	5.57274
490279.00	3624545.00	5.37627	490289.00	3624545.00	5.34845
490299.00	3624545.00	5.26484	490309.00	3624545.00	5.13417
490319.00	3624545.00	4.96308	490298.00	3624431.00	45.51483
490298.00	3624441.00	36.86844	490308.00	3624441.00	28.66096
490318.00	3624441.00	23.10521	490298.00	3624451.00	28.93996
490308.00	3624451.00	23.61277	490318.00	3624451.00	19.61974

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: HAUL2A ***
INCLUDING SOURCE(S): L0000033 , L0000034 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
489960.00	3624026.00	0.33783	490010.00	3624026.00	0.39048
490060.00	3624026.00	0.45028	490110.00	3624026.00	0.51533
490160.00	3624026.00	0.58192	490210.00	3624026.00	0.64598
490260.00	3624026.00	0.70666	490310.00	3624026.00	0.76945
490360.00	3624026.00	0.84082	490410.00	3624026.00	0.91944
490460.00	3624026.00	0.99112	490510.00	3624026.00	1.03555
490560.00	3624026.00	1.04254	490610.00	3624026.00	1.01200
490660.00	3624026.00	0.95269	490710.00	3624026.00	0.87637
489960.00	3624076.00	0.39226	490010.00	3624076.00	0.46541
490060.00	3624076.00	0.55311	490110.00	3624076.00	0.65414
490160.00	3624076.00	0.76305	490210.00	3624076.00	0.87119
490260.00	3624076.00	0.97467	490310.00	3624076.00	1.08325
490360.00	3624076.00	1.20732	490410.00	3624076.00	1.33275
490460.00	3624076.00	1.41810	490510.00	3624076.00	1.43416
490560.00	3624076.00	1.38229	490610.00	3624076.00	1.28061
490660.00	3624076.00	1.15268	490710.00	3624076.00	1.01861
489960.00	3624126.00	0.45491	490010.00	3624126.00	0.55608
490060.00	3624126.00	0.68700	490110.00	3624126.00	0.84985
490160.00	3624126.00	1.03997	490210.00	3624126.00	1.23902
490260.00	3624126.00	1.43704	490310.00	3624126.00	1.64470
490360.00	3624126.00	1.87346	490410.00	3624126.00	2.05450
490460.00	3624126.00	2.09823	490510.00	3624126.00	1.99663
490560.00	3624126.00	1.80367	490610.00	3624126.00	1.57380
490660.00	3624126.00	1.34579	490710.00	3624126.00	1.13970
489960.00	3624176.00	0.52283	490010.00	3624176.00	0.66205
490060.00	3624176.00	0.85905	490110.00	3624176.00	1.13040
490160.00	3624176.00	1.48743	490210.00	3624176.00	1.90797
490260.00	3624176.00	2.33878	490310.00	3624176.00	2.78077
490360.00	3624176.00	3.21719	490410.00	3624176.00	3.35753
490460.00	3624176.00	3.13533	490510.00	3624176.00	2.71562
490560.00	3624176.00	2.25471	490610.00	3624176.00	1.83883
490660.00	3624176.00	1.49189	490710.00	3624176.00	1.21364
489960.00	3624226.00	0.59031	490010.00	3624226.00	0.77626
490060.00	3624226.00	1.06772	490110.00	3624226.00	1.52485
490160.00	3624226.00	2.23883	490210.00	3624226.00	3.26850
490260.00	3624226.00	4.45415	490310.00	3624226.00	5.64235
490360.00	3624226.00	6.19859	490410.00	3624226.00	5.60965
490460.00	3624226.00	4.49297	490510.00	3624226.00	3.44871
490560.00	3624226.00	2.61342	490610.00	3624226.00	1.99772
490660.00	3624226.00	1.54802	490710.00	3624226.00	1.21954

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: HAUL2A ***
INCLUDING SOURCE(S): L0000033 , L0000034 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
489960.00	3624276.00	0.64719	490010.00	3624276.00	0.88121
490060.00	3624276.00	1.28652	490110.00	3624276.00	2.01882
490160.00	3624276.00	3.47126	490210.00	3624276.00	6.46682
490260.00	3624276.00	11.25493	490310.00	3624276.00	14.92226
490360.00	3624276.00	12.87112	490410.00	3624276.00	8.73599
490460.00	3624276.00	5.73366	490510.00	3624276.00	3.88238
490560.00	3624276.00	2.72570	490610.00	3624276.00	1.98561
490660.00	3624276.00	1.49250	490710.00	3624276.00	1.15429
489960.00	3624326.00	0.67887	490010.00	3624326.00	0.94717
490060.00	3624326.00	1.44628	490110.00	3624326.00	2.46011
490160.00	3624326.00	5.00857	490210.00	3624326.00	14.18320
490260.00	3624326.00	53.76299	490310.00	3624326.00	60.59077
490360.00	3624326.00	23.84349	490410.00	3624326.00	10.94270
490460.00	3624326.00	6.02586	490510.00	3624326.00	3.75817
490560.00	3624326.00	2.53015	490610.00	3624326.00	1.80586
490660.00	3624326.00	1.34540	490710.00	3624326.00	1.03777
489960.00	3624376.00	0.68536	490010.00	3624376.00	0.96683
490060.00	3624376.00	1.48618	490110.00	3624376.00	2.56559
490160.00	3624376.00	5.47683	490410.00	3624376.00	9.57938
490460.00	3624376.00	5.11865	490510.00	3624376.00	3.17389
490560.00	3624376.00	2.14573	490610.00	3624376.00	1.54435
490660.00	3624376.00	1.16211	490710.00	3624376.00	0.90430
489960.00	3624426.00	0.65894	490010.00	3624426.00	0.91270
490060.00	3624426.00	1.35361	490110.00	3624426.00	2.22238
490160.00	3624426.00	4.07932	490410.00	3624426.00	6.44725
490460.00	3624426.00	3.85328	490510.00	3624426.00	2.49140
490560.00	3624426.00	1.76993	490610.00	3624426.00	1.30010
490660.00	3624426.00	0.99491	490710.00	3624426.00	0.78466
489960.00	3624476.00	0.60873	490010.00	3624476.00	0.81817
490060.00	3624476.00	1.14732	490110.00	3624476.00	1.73155
490160.00	3624476.00	2.69288	490410.00	3624476.00	4.17318
490460.00	3624476.00	2.83952	490510.00	3624476.00	1.99411
490560.00	3624476.00	1.48597	490610.00	3624476.00	1.11626
490660.00	3624476.00	0.86819	490710.00	3624476.00	0.69284
489960.00	3624526.00	0.54393	490010.00	3624526.00	0.69930
490060.00	3624526.00	0.93881	490110.00	3624526.00	1.30283
490160.00	3624526.00	1.86355	490410.00	3624526.00	2.97599
490460.00	3624526.00	2.20429	490510.00	3624526.00	1.62004
490560.00	3624526.00	1.27328	490610.00	3624526.00	0.98268
490660.00	3624526.00	0.77648	490710.00	3624526.00	0.62621

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: HAUL2A ***
INCLUDING SOURCE(S): L0000033 , L0000034 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
489960.00	3624576.00	0.47415	490010.00	3624576.00	0.59257
490060.00	3624576.00	0.75750	490110.00	3624576.00	0.99935
490160.00	3624576.00	1.36344	490210.00	3624576.00	1.81524
490260.00	3624576.00	2.23822	490310.00	3624576.00	2.47098
490360.00	3624576.00	2.41460	490410.00	3624576.00	2.12126
490460.00	3624576.00	1.74146	490510.00	3624576.00	1.32556
490560.00	3624576.00	1.05244	490610.00	3624576.00	0.87455
490660.00	3624576.00	0.70397	490710.00	3624576.00	0.57499
489960.00	3624626.00	0.41359	490010.00	3624626.00	0.50359
490060.00	3624626.00	0.62323	490110.00	3624626.00	0.79537
490160.00	3624626.00	1.02918	490210.00	3624626.00	1.28498
490260.00	3624626.00	1.51993	490310.00	3624626.00	1.66659
490360.00	3624626.00	1.67690	490410.00	3624626.00	1.55004
490460.00	3624626.00	1.35580	490510.00	3624626.00	1.13479
490560.00	3624626.00	0.89614	490610.00	3624626.00	0.76530
490660.00	3624626.00	0.63925	490710.00	3624626.00	0.53061
489960.00	3624676.00	0.36160	490010.00	3624676.00	0.43180
490060.00	3624676.00	0.52531	490110.00	3624676.00	0.64899
490160.00	3624676.00	0.79853	490210.00	3624676.00	0.95805
490260.00	3624676.00	1.10166	490310.00	3624676.00	1.19700
490360.00	3624676.00	1.21907	490410.00	3624676.00	1.15651
490460.00	3624676.00	1.02385	490510.00	3624676.00	0.90483
490560.00	3624676.00	0.77610	490610.00	3624676.00	0.64375
490660.00	3624676.00	0.57318	490710.00	3624676.00	0.48845
489960.00	3624726.00	0.31813	490010.00	3624726.00	0.37478
490060.00	3624726.00	0.44595	490110.00	3624726.00	0.53450
490160.00	3624726.00	0.63726	490210.00	3624726.00	0.74254
490260.00	3624726.00	0.83585	490310.00	3624726.00	0.89680
490360.00	3624726.00	0.91889	490410.00	3624726.00	0.89156
490460.00	3624726.00	0.84234	490510.00	3624726.00	0.77112
490560.00	3624726.00	0.68363	490610.00	3624726.00	0.56264
490660.00	3624726.00	0.48626	490710.00	3624726.00	0.44512
489960.00	3624776.00	0.28233	490010.00	3624776.00	0.32748
490060.00	3624776.00	0.38249	490110.00	3624776.00	0.44768
490160.00	3624776.00	0.51987	490210.00	3624776.00	0.59308
490260.00	3624776.00	0.65750	490310.00	3624776.00	0.70272
490360.00	3624776.00	0.72178	490410.00	3624776.00	0.71304
490460.00	3624776.00	0.68554	490510.00	3624776.00	0.63955
490560.00	3624776.00	0.58273	490610.00	3624776.00	0.51926
490660.00	3624776.00	0.43247	490710.00	3624776.00	0.38114

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: HAUL2A ***
INCLUDING SOURCE(S): L0000033 , L0000034 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
489960.00	3624826.00	0.24905	490010.00	3624826.00	0.28586
490060.00	3624826.00	0.32928	490110.00	3624826.00	0.37814
490160.00	3624826.00	0.43239	490210.00	3624826.00	0.48535
490260.00	3624826.00	0.53132	490310.00	3624826.00	0.56424
490360.00	3624826.00	0.58041	490410.00	3624826.00	0.57870
490460.00	3624826.00	0.56249	490510.00	3624826.00	0.53410
490560.00	3624826.00	0.49690	490610.00	3624826.00	0.45469
490660.00	3624826.00	0.40400	490710.00	3624826.00	0.34268
489960.00	3624876.00	0.22288	490010.00	3624876.00	0.25162
490060.00	3624876.00	0.28630	490110.00	3624876.00	0.32504
490160.00	3624876.00	0.36537	490210.00	3624876.00	0.40466
490260.00	3624876.00	0.43858	490310.00	3624876.00	0.46321
490360.00	3624876.00	0.47633	490410.00	3624876.00	0.47766
490460.00	3624876.00	0.46847	490510.00	3624876.00	0.45043
490560.00	3624876.00	0.42559	490610.00	3624876.00	0.39616
490660.00	3624876.00	0.36098	490710.00	3624876.00	0.31185
490210.00	3624326.00	14.18320	490220.00	3624326.00	18.29772
490230.00	3624326.00	24.05854	490240.00	3624326.00	31.92454
490250.00	3624326.00	42.47307	490260.00	3624326.00	53.76299
490270.00	3624326.00	62.93680	490280.00	3624326.00	68.08303
490290.00	3624326.00	69.87996	490300.00	3624326.00	67.66119
490310.00	3624326.00	60.59077	490320.00	3624326.00	51.34367
490330.00	3624326.00	42.28532	490340.00	3624326.00	34.66506
490350.00	3624326.00	28.55829	490360.00	3624326.00	23.84349
490370.00	3624326.00	20.06617	490380.00	3624326.00	17.03107
490390.00	3624326.00	14.57770	490400.00	3624326.00	12.58806
490410.00	3624326.00	10.94270	490420.00	3624326.00	9.56492
490430.00	3624326.00	8.45421	490440.00	3624326.00	7.51473
490450.00	3624326.00	6.70975	490460.00	3624326.00	6.02586
490210.00	3624336.00	16.19079	490220.00	3624336.00	21.71160
490230.00	3624336.00	30.10825	490240.00	3624336.00	42.95083
490250.00	3624336.00	15.29438	490260.00	3624336.00	21.81265
490270.00	3624336.00	31.74463	490280.00	3624336.00	46.33040
490290.00	3624336.00	47.31890	490300.00	3624336.00	34.94185
490310.00	3624336.00	26.37938	490320.00	3624336.00	68.36292
490330.00	3624336.00	51.73025	490340.00	3624336.00	40.00693
490350.00	3624336.00	31.61163	490360.00	3624336.00	25.63266
490370.00	3624336.00	21.12106	490380.00	3624336.00	17.64391
490390.00	3624336.00	14.91335	490400.00	3624336.00	12.74464
490410.00	3624336.00	10.98625	490420.00	3624336.00	9.55150

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: HAUL2A ***
INCLUDING SOURCE(S): L0000033 , L0000034 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
490430.00	3624336.00	8.40401	490440.00	3624336.00	7.43530
490450.00	3624336.00	6.61641	490460.00	3624336.00	5.92609
490210.00	3624346.00	17.93127	490220.00	3624346.00	24.93333
490230.00	3624346.00	36.51544	490240.00	3624346.00	56.66164
490250.00	3624346.00	17.92073	490260.00	3624346.00	27.20230
490270.00	3624346.00	43.55160	490280.00	3624346.00	0.00000
490290.00	3624346.00	0.00000	490300.00	3624346.00	43.39183
490310.00	3624346.00	30.15302	490320.00	3624346.00	22.41283
490330.00	3624346.00	61.45865	490340.00	3624346.00	44.42156
490350.00	3624346.00	33.76077	490360.00	3624346.00	26.69922
490370.00	3624346.00	21.63041	490380.00	3624346.00	17.83559
490390.00	3624346.00	14.93067	490400.00	3624346.00	12.66172
490410.00	3624346.00	10.85380	490420.00	3624346.00	9.40985
490430.00	3624346.00	8.24762	490440.00	3624346.00	7.27780
490450.00	3624346.00	6.46481	490460.00	3624346.00	5.78178
490210.00	3624356.00	18.97134	490220.00	3624356.00	27.09116
490230.00	3624356.00	41.24567	490240.00	3624356.00	13.13517
490250.00	3624356.00	19.70935	490260.00	3624356.00	31.14306
490270.00	3624356.00	0.00000	490280.00	3624356.00	0.00000
490290.00	3624356.00	0.00000	490300.00	3624356.00	49.54162
490310.00	3624356.00	32.17788	490320.00	3624356.00	23.10619
490330.00	3624356.00	68.13039	490340.00	3624356.00	46.46500
490350.00	3624356.00	34.40552	490360.00	3624356.00	26.76085
490370.00	3624356.00	21.45619	490380.00	3624356.00	17.55609
490390.00	3624356.00	14.62378	490400.00	3624356.00	12.35893
490410.00	3624356.00	10.56615	490420.00	3624356.00	9.15063
490430.00	3624356.00	7.99940	490440.00	3624356.00	7.04955
490450.00	3624356.00	6.25895	490460.00	3624356.00	5.59450
490210.00	3624366.00	19.02034	490220.00	3624366.00	27.28671
490230.00	3624366.00	41.75083	490240.00	3624366.00	13.29931
490250.00	3624366.00	19.87815	490370.00	3624366.00	20.56921
490380.00	3624366.00	16.83177	490390.00	3624366.00	14.01474
490400.00	3624366.00	11.84328	490410.00	3624366.00	10.13780
490420.00	3624366.00	8.77530	490430.00	3624366.00	7.66937
490440.00	3624366.00	6.76179	490450.00	3624366.00	6.00717
490460.00	3624366.00	5.37111	490210.00	3624376.00	18.18150
490220.00	3624376.00	25.50697	490230.00	3624376.00	37.76095
490240.00	3624376.00	12.47378	490250.00	3624376.00	18.39449
490370.00	3624376.00	19.10546	490380.00	3624376.00	15.73286
490390.00	3624376.00	13.15988	490400.00	3624376.00	11.16144

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: HAUL2A ***
INCLUDING SOURCE(S): L0000033 , L0000034 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
490410.00	3624376.00	9.57938	490420.00	3624376.00	8.31500
490430.00	3624376.00	7.27701	490440.00	3624376.00	6.42388
490450.00	3624376.00	5.71754	490460.00	3624376.00	5.11865
490210.00	3624386.00	16.49735	490220.00	3624386.00	22.10063
490230.00	3624386.00	30.99805	490240.00	3624386.00	44.87469
490250.00	3624386.00	15.32548	490370.00	3624386.00	17.29014
490380.00	3624386.00	14.41115	490390.00	3624386.00	12.16021
490400.00	3624386.00	10.38228	490410.00	3624386.00	8.95772
490420.00	3624386.00	7.81386	490430.00	3624386.00	6.86005
490440.00	3624386.00	6.05761	490450.00	3624386.00	5.40638
490460.00	3624386.00	4.85353	490210.00	3624396.00	14.53868
490220.00	3624396.00	18.70772	490230.00	3624396.00	24.71901
490240.00	3624396.00	32.89799	490250.00	3624396.00	43.72533
490370.00	3624396.00	15.32787	490380.00	3624396.00	12.98923
490390.00	3624396.00	11.08599	490400.00	3624396.00	9.55297
490410.00	3624396.00	8.30963	490420.00	3624396.00	7.28274
490430.00	3624396.00	6.42862	490440.00	3624396.00	5.69379
490450.00	3624396.00	5.09249	490460.00	3624396.00	4.58686
490210.00	3624406.00	12.51763	490220.00	3624406.00	15.54418
490230.00	3624406.00	19.57460	490240.00	3624406.00	24.41514
490250.00	3624406.00	30.47357	490370.00	3624406.00	13.45328
490380.00	3624406.00	11.59910	490390.00	3624406.00	10.02677
490400.00	3624406.00	8.73204	490410.00	3624406.00	7.65668
490420.00	3624406.00	6.75405	490430.00	3624406.00	6.00166
490440.00	3624406.00	5.34835	490450.00	3624406.00	4.79112
490460.00	3624406.00	4.32499	490210.00	3624416.00	10.67329
490220.00	3624416.00	12.88713	490230.00	3624416.00	15.72073
490240.00	3624416.00	18.84435	490250.00	3624416.00	22.47633
490370.00	3624416.00	11.76660	490380.00	3624416.00	10.30094
490390.00	3624416.00	9.02771	490400.00	3624416.00	7.94714
490410.00	3624416.00	7.02770	490420.00	3624416.00	6.24995
490430.00	3624416.00	5.58809	490440.00	3624416.00	5.01501
490450.00	3624416.00	4.50788	490460.00	3624416.00	4.07881
490210.00	3624426.00	9.07527	490220.00	3624426.00	10.70602
490230.00	3624426.00	12.59985	490240.00	3624426.00	14.82570
490250.00	3624426.00	17.29612	490370.00	3624426.00	10.30904
490380.00	3624426.00	9.14792	490390.00	3624426.00	8.11639
490400.00	3624426.00	7.22360	490410.00	3624426.00	6.44725
490420.00	3624426.00	5.77849	490430.00	3624426.00	5.19658
490440.00	3624426.00	4.69245	490450.00	3624426.00	4.24992

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: HAUL2A ***
INCLUDING SOURCE(S): L0000033 , L0000034 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
490460.00	3624426.00	3.85328	490210.00	3624436.00	7.76204
490220.00	3624436.00	9.00181	490230.00	3624436.00	10.38013
490240.00	3624436.00	12.00242	490250.00	3624436.00	13.71823
490370.00	3624436.00	9.06707	490380.00	3624436.00	8.14824
490390.00	3624436.00	7.31160	490400.00	3624436.00	6.57035
490410.00	3624436.00	5.91580	490420.00	3624436.00	5.34266
490430.00	3624436.00	4.82759	490440.00	3624436.00	4.38641
490450.00	3624436.00	3.99857	490460.00	3624436.00	3.64318
490210.00	3624446.00	6.73699	490220.00	3624446.00	7.69218
490230.00	3624446.00	8.77577	490240.00	3624446.00	9.96542
490250.00	3624446.00	11.15017	490370.00	3624446.00	8.02624
490380.00	3624446.00	7.28491	490390.00	3624446.00	6.60574
490400.00	3624446.00	5.98911	490410.00	3624446.00	5.43502
490420.00	3624446.00	4.94037	490430.00	3624446.00	4.49703
490440.00	3624446.00	4.10409	490450.00	3624446.00	3.75632
490460.00	3624446.00	3.43847	490210.00	3624456.00	5.87215
490220.00	3624456.00	6.60898	490230.00	3624456.00	7.41129
490240.00	3624456.00	8.31695	490250.00	3624456.00	9.20765
490370.00	3624456.00	7.14782	490380.00	3624456.00	6.55656
490390.00	3624456.00	5.99428	490400.00	3624456.00	5.47402
490410.00	3624456.00	5.00393	490420.00	3624456.00	4.58020
490430.00	3624456.00	4.19348	490440.00	3624456.00	3.84612
490450.00	3624456.00	3.53184	490460.00	3624456.00	3.23932
490210.00	3624466.00	5.16724	490220.00	3624466.00	5.75610
490230.00	3624466.00	6.40733	490240.00	3624466.00	7.08908
490250.00	3624466.00	7.75124	490370.00	3624466.00	6.39039
490380.00	3624466.00	5.91109	490390.00	3624466.00	5.43414
490400.00	3624466.00	4.98482	490410.00	3624466.00	4.58059
490420.00	3624466.00	4.21931	490430.00	3624466.00	3.88862
490440.00	3624466.00	3.59260	490450.00	3624466.00	3.30800
490460.00	3624466.00	3.04312	490210.00	3624476.00	4.57690
490220.00	3624476.00	5.06184	490230.00	3624476.00	5.59766
490240.00	3624476.00	6.12287	490250.00	3624476.00	6.61399
490370.00	3624476.00	5.72990	490380.00	3624476.00	5.33357
490390.00	3624476.00	4.94114	490400.00	3624476.00	4.56326
490410.00	3624476.00	4.17318	490420.00	3624476.00	3.84496
490430.00	3624476.00	3.57002	490440.00	3624476.00	3.31098
490450.00	3624476.00	3.07156	490460.00	3624476.00	2.83952
490210.00	3624486.00	4.08362	490220.00	3624486.00	4.48335
490230.00	3624486.00	4.90757	490240.00	3624486.00	5.33127

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: HAUL2A ***
INCLUDING SOURCE(S): L0000033 , L0000034 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
490250.00	3624486.00	5.71166	490380.00	3624486.00	4.85184
490390.00	3624486.00	4.53018	490400.00	3624486.00	4.18980
490410.00	3624486.00	3.76328	490420.00	3624486.00	3.47993
490430.00	3624486.00	3.23462	490440.00	3624486.00	3.01402
490450.00	3624486.00	2.80871	490460.00	3624486.00	2.63390
490210.00	3624496.00	3.67572	490220.00	3624496.00	4.01456
490230.00	3624496.00	4.34787	490240.00	3624496.00	4.68569
490250.00	3624496.00	4.98361	490390.00	3624496.00	4.16685
490400.00	3624496.00	3.88907	490410.00	3624496.00	3.58353
490420.00	3624496.00	3.34200	490430.00	3624496.00	3.10749
490440.00	3624496.00	2.87167	490450.00	3624496.00	2.66234
490460.00	3624496.00	2.46776	490210.00	3624506.00	3.32162
490220.00	3624506.00	3.60440	490230.00	3624506.00	3.88392
490240.00	3624506.00	4.14841	490250.00	3624506.00	4.38944
490400.00	3624506.00	3.63192	490410.00	3624506.00	3.42597
490420.00	3624506.00	3.22115	490430.00	3624506.00	2.99955
490440.00	3624506.00	2.80029	490450.00	3624506.00	2.59677
490460.00	3624506.00	2.39287	490210.00	3624516.00	3.01649
490220.00	3624516.00	3.25451	490230.00	3624516.00	3.47749
490240.00	3624516.00	3.69675	490250.00	3624516.00	3.89750
490410.00	3624516.00	3.19149	490420.00	3624516.00	3.01392
490430.00	3624516.00	2.83131	490440.00	3624516.00	2.65928
490450.00	3624516.00	2.48865	490460.00	3624516.00	2.31300
490210.00	3624526.00	2.74902	490220.00	3624526.00	2.94717
490230.00	3624526.00	3.13658	490240.00	3624526.00	3.31603
490250.00	3624526.00	3.48512	490410.00	3624526.00	2.97599
490420.00	3624526.00	2.82404	490430.00	3624526.00	2.66619
490440.00	3624526.00	2.51474	490450.00	3624526.00	2.36411
490460.00	3624526.00	2.20429	490210.00	3624536.00	2.51381
490220.00	3624536.00	2.67747	490230.00	3624536.00	2.84020
490240.00	3624536.00	2.99219	490250.00	3624536.00	3.13603
490410.00	3624536.00	2.77823	490420.00	3624536.00	2.64451
490430.00	3624536.00	2.50824	490440.00	3624536.00	2.37623
490450.00	3624536.00	2.24919	490460.00	3624536.00	2.11221
490210.00	3624546.00	2.30677	490220.00	3624546.00	2.44471
490230.00	3624546.00	2.58384	490240.00	3624546.00	2.71454
490250.00	3624546.00	2.83789	490410.00	3624546.00	2.59474
490420.00	3624546.00	2.47927	490430.00	3624546.00	2.36139
490440.00	3624546.00	2.24602	490450.00	3624546.00	2.13191
490460.00	3624546.00	2.02015	490210.00	3624556.00	2.12232

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: HAUL2A ***
INCLUDING SOURCE(S): L0000033 , L0000034 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
490220.00	3624556.00	2.24415	490230.00	3624556.00	2.36173
490240.00	3624556.00	2.47431	490250.00	3624556.00	2.58095
490410.00	3624556.00	2.42409	490420.00	3624556.00	2.32643
490430.00	3624556.00	2.22507	490440.00	3624556.00	2.12428
490450.00	3624556.00	2.02377	490460.00	3624556.00	1.92363
490210.00	3624566.00	1.96251	490220.00	3624566.00	2.06587
490230.00	3624566.00	2.16701	490240.00	3624566.00	2.26486
490250.00	3624566.00	2.35752	490260.00	3624566.00	2.44325
490270.00	3624566.00	2.51971	490280.00	3624566.00	2.58477
490290.00	3624566.00	2.63733	490300.00	3624566.00	2.67547
490310.00	3624566.00	2.69963	490320.00	3624566.00	2.70787
490330.00	3624566.00	2.70200	490340.00	3624566.00	2.68555
490350.00	3624566.00	2.65533	490360.00	3624566.00	2.61255
490370.00	3624566.00	2.55896	490380.00	3624566.00	2.49776
490390.00	3624566.00	2.42806	490400.00	3624566.00	2.34937
490410.00	3624566.00	2.26634	490420.00	3624566.00	2.18279
490430.00	3624566.00	2.09520	490440.00	3624566.00	2.00722
490450.00	3624566.00	1.91839	490460.00	3624566.00	1.83132
490210.00	3624576.00	1.81524	490220.00	3624576.00	1.90721
490230.00	3624576.00	1.99599	490240.00	3624576.00	2.08193
490250.00	3624576.00	2.16299	490260.00	3624576.00	2.23822
490270.00	3624576.00	2.30591	490280.00	3624576.00	2.36365
490290.00	3624576.00	2.41096	490300.00	3624576.00	2.44734
490310.00	3624576.00	2.47098	490320.00	3624576.00	2.48147
490330.00	3624576.00	2.47998	490340.00	3624576.00	2.46991
490350.00	3624576.00	2.44856	490360.00	3624576.00	2.41460
490370.00	3624576.00	2.37179	490380.00	3624576.00	2.32014
490390.00	3624576.00	2.26037	490400.00	3624576.00	2.19259
490410.00	3624576.00	2.12126	490420.00	3624576.00	2.04935
490430.00	3624576.00	1.97370	490440.00	3624576.00	1.89681
490450.00	3624576.00	1.81854	490460.00	3624576.00	1.74146
490210.00	3624586.00	1.68504	490220.00	3624586.00	1.76637
490230.00	3624586.00	1.84466	490240.00	3624586.00	1.92034
490250.00	3624586.00	1.99191	490260.00	3624586.00	2.05807
490270.00	3624586.00	2.11782	490280.00	3624586.00	2.16920
490290.00	3624586.00	2.21261	490300.00	3624586.00	2.24590
490310.00	3624586.00	2.26969	490320.00	3624586.00	2.28163
490330.00	3624586.00	2.28330	490340.00	3624586.00	2.27751
490350.00	3624586.00	2.26146	490360.00	3624586.00	2.23496
490370.00	3624586.00	2.20009	490380.00	3624586.00	2.15705

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: HAUL2A ***
INCLUDING SOURCE(S): L0000033 , L0000034 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
490390.00	3624586.00	2.10710	490400.00	3624586.00	2.04906
490410.00	3624586.00	1.98784	490420.00	3624586.00	1.92726
490430.00	3624586.00	1.86150	490440.00	3624586.00	1.79370
490450.00	3624586.00	1.72422	490460.00	3624586.00	1.65576
490210.00	3624596.00	1.56995	490220.00	3624596.00	1.64069
490230.00	3624596.00	1.71005	490240.00	3624596.00	1.77686
490250.00	3624596.00	1.84038	490260.00	3624596.00	1.89906
490270.00	3624596.00	1.95213	490280.00	3624596.00	1.99834
490290.00	3624596.00	2.03804	490300.00	3624596.00	2.06871
490310.00	3624596.00	2.09160	490320.00	3624596.00	2.10474
490330.00	3624596.00	2.10852	490340.00	3624596.00	2.10587
490350.00	3624596.00	2.09426	490360.00	3624596.00	2.07354
490370.00	3624596.00	2.04508	490380.00	3624596.00	2.00958
490390.00	3624596.00	1.96751	490400.00	3624596.00	1.91778
490410.00	3624596.00	1.86482	490420.00	3624596.00	1.81082
490430.00	3624596.00	1.75370	490440.00	3624596.00	1.69476
490450.00	3624596.00	1.63444	490460.00	3624596.00	1.57414
490210.00	3624606.00	1.46514	490220.00	3624606.00	1.52820
490230.00	3624606.00	1.58993	490240.00	3624606.00	1.64947
490250.00	3624606.00	1.70568	490260.00	3624606.00	1.75810
490270.00	3624606.00	1.80562	490280.00	3624606.00	1.84732
490290.00	3624606.00	1.88315	490300.00	3624606.00	1.91188
490310.00	3624606.00	1.93359	490320.00	3624606.00	1.94719
490330.00	3624606.00	1.95267	490340.00	3624606.00	1.95198
490350.00	3624606.00	1.94453	490360.00	3624606.00	1.92784
490370.00	3624606.00	1.90529	490380.00	3624606.00	1.87591
490390.00	3624606.00	1.84051	490400.00	3624606.00	1.79750
490410.00	3624606.00	1.75171	490420.00	3624606.00	1.70501
490430.00	3624606.00	1.65532	490440.00	3624606.00	1.60381
490450.00	3624606.00	1.55092	490460.00	3624606.00	1.49735
490210.00	3624616.00	1.37056	490220.00	3624616.00	1.42697
490230.00	3624616.00	1.48216	490240.00	3624616.00	1.53527
490250.00	3624616.00	1.58547	490260.00	3624616.00	1.63239
490270.00	3624616.00	1.67509	490280.00	3624616.00	1.71272
490290.00	3624616.00	1.74547	490300.00	3624616.00	1.77230
490310.00	3624616.00	1.79267	490320.00	3624616.00	1.80616
490330.00	3624616.00	1.81270	490340.00	3624616.00	1.81432
490350.00	3624616.00	1.80896	490360.00	3624616.00	1.79623
490370.00	3624616.00	1.77799	490380.00	3624616.00	1.75355
490390.00	3624616.00	1.72364	490400.00	3624616.00	1.68685

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: HAUL2A ***
INCLUDING SOURCE(S): L0000033 , L0000034 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
490410.00	3624616.00	1.64713	490420.00	3624616.00	1.60796
490430.00	3624616.00	1.56506	490440.00	3624616.00	1.52008
490450.00	3624616.00	1.47292	490460.00	3624616.00	1.42487
490307.00	3624461.00	9.93585	490317.00	3624461.00	9.63925
490307.00	3624471.00	8.39182	490317.00	3624471.00	8.20626
490307.00	3624481.00	7.18820	490317.00	3624481.00	7.07332
490307.00	3624491.00	6.22803	490317.00	3624491.00	6.15836
490307.00	3624501.00	5.44881	490317.00	3624501.00	5.40879
490307.00	3624511.00	4.80576	490317.00	3624511.00	4.78708
490307.00	3624521.00	4.26928	490317.00	3624521.00	4.26183
490276.00	3624433.00	17.99931	490286.00	3624433.00	18.40576
490296.00	3624433.00	18.25766	490276.00	3624443.00	14.13367
490286.00	3624443.00	14.49864	490296.00	3624443.00	14.47731
490276.00	3624453.00	11.42448	490286.00	3624453.00	11.71803
490296.00	3624453.00	11.74626	490276.00	3624463.00	9.42210
490286.00	3624463.00	9.65855	490296.00	3624463.00	9.71909
490276.00	3624473.00	7.91221	490286.00	3624473.00	8.11077
490296.00	3624473.00	8.18498	490276.00	3624481.00	6.95721
490286.00	3624481.00	7.13367	490296.00	3624481.00	7.21309
490276.00	3624491.00	5.99401	490286.00	3624491.00	6.14673
490296.00	3624491.00	6.22622	490276.00	3624501.00	5.22222
490286.00	3624501.00	5.35441	490296.00	3624501.00	5.43012
490276.00	3624511.00	4.59379	490286.00	3624511.00	4.70835
490296.00	3624511.00	4.77843	490276.00	3624521.00	4.07343
490286.00	3624521.00	4.17326	490296.00	3624521.00	4.23727
490279.00	3624525.00	3.92137	490289.00	3624525.00	4.00633
490299.00	3624525.00	4.05862	490309.00	3624525.00	4.08156
490319.00	3624525.00	4.06877	490279.00	3624535.00	3.50996
490289.00	3624535.00	3.58496	490299.00	3624535.00	3.63407
490309.00	3624535.00	3.65803	490319.00	3624535.00	3.65339
490279.00	3624545.00	3.15970	490289.00	3624545.00	3.22664
490299.00	3624545.00	3.27299	490309.00	3624545.00	3.29820
490319.00	3624545.00	3.30090	490298.00	3624431.00	19.07527
490298.00	3624441.00	15.07782	490308.00	3624441.00	14.59322
490318.00	3624441.00	13.82793	490298.00	3624451.00	12.20026
490308.00	3624451.00	11.92044	490318.00	3624451.00	11.42803

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: HAULB ***
INCLUDING SOURCE(S): L0000016 , L0000017 , L0000018 , L0000019 , L0000020 ,
L0000021 , L0000022 , L0000023 , L0000024 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
489960.00	3624026.00	0.50939	490010.00	3624026.00	0.63741
490060.00	3624026.00	0.81157	490110.00	3624026.00	1.04734
490160.00	3624026.00	1.35212	490210.00	3624026.00	1.69936
490260.00	3624026.00	2.05035	490310.00	3624026.00	2.41060
490360.00	3624026.00	2.59500	490410.00	3624026.00	2.52083
490460.00	3624026.00	2.28407	490510.00	3624026.00	1.99007
490560.00	3624026.00	1.69927	490610.00	3624026.00	1.43622
490660.00	3624026.00	1.20918	490710.00	3624026.00	1.01856
489960.00	3624076.00	0.58832	490010.00	3624076.00	0.76590
490060.00	3624076.00	1.03165	490110.00	3624076.00	1.44621
490160.00	3624076.00	2.11047	490210.00	3624076.00	3.10810
490260.00	3624076.00	4.24967	490310.00	3624076.00	4.91003
490360.00	3624076.00	4.52543	490410.00	3624076.00	3.78799
490460.00	3624076.00	3.06470	490510.00	3624076.00	2.45585
490560.00	3624076.00	1.97074	490610.00	3624076.00	1.58914
490660.00	3624076.00	1.29016	490710.00	3624076.00	1.05681
489960.00	3624126.00	0.66533	490010.00	3624126.00	0.89980
490060.00	3624126.00	1.28360	490110.00	3624126.00	1.97491
490160.00	3624126.00	3.41536	490210.00	3624126.00	7.20133
490260.00	3624126.00	15.75357	490310.00	3624126.00	11.49661
490360.00	3624126.00	7.50824	490410.00	3624126.00	5.23137
490460.00	3624126.00	3.78193	490510.00	3624126.00	2.80847
490560.00	3624126.00	2.13556	490610.00	3624126.00	1.65579
490660.00	3624126.00	1.30641	490710.00	3624126.00	1.04757
489960.00	3624176.00	0.72934	490010.00	3624176.00	1.01280
490060.00	3624176.00	1.51836	490110.00	3624176.00	2.52166
490160.00	3624176.00	5.01510	490210.00	3624176.00	15.10451
490260.00	3624176.00	16.16440	490310.00	3624176.00	21.22765
490360.00	3624176.00	10.38736	490410.00	3624176.00	6.32753
490460.00	3624176.00	4.20087	490510.00	3624176.00	2.94780
490560.00	3624176.00	2.15158	490610.00	3624176.00	1.62270
490660.00	3624176.00	1.25612	490710.00	3624176.00	0.99411
489960.00	3624226.00	0.76626	490010.00	3624226.00	1.08183
490060.00	3624226.00	1.66799	490110.00	3624226.00	2.88954
490160.00	3624226.00	6.05851	490210.00	3624226.00	18.72497
490260.00	3624226.00	25.55336	490310.00	3624226.00	25.28744
490360.00	3624226.00	11.73422	490410.00	3624226.00	6.66731
490460.00	3624226.00	4.18682	490510.00	3624226.00	2.83967
490560.00	3624226.00	2.02341	490610.00	3624226.00	1.50420
490660.00	3624226.00	1.15418	490710.00	3624226.00	0.90928

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: HAULB ***
INCLUDING SOURCE(S): L0000016 , L0000017 , L0000018 , L0000019 , L0000020 ,
L0000021 , L0000022 , L0000023 , L0000024 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
489960.00	3624276.00	0.76966	490010.00	3624276.00	1.08945
490060.00	3624276.00	1.69345	490110.00	3624276.00	2.95552
490160.00	3624276.00	6.24304	490210.00	3624276.00	19.17676
490260.00	3624276.00	26.68589	490310.00	3624276.00	25.43910
490360.00	3624276.00	11.38468	490410.00	3624276.00	6.18649
490460.00	3624276.00	3.78855	490510.00	3624276.00	2.53529
490560.00	3624276.00	1.79909	490610.00	3624276.00	1.33618
490660.00	3624276.00	1.02649	490710.00	3624276.00	0.81150
489960.00	3624326.00	0.73545	490010.00	3624326.00	1.03032
490060.00	3624326.00	1.58129	490110.00	3624326.00	2.70439
490160.00	3624326.00	5.56312	490210.00	3624326.00	17.12491
490260.00	3624326.00	22.72275	490310.00	3624326.00	21.68763
490360.00	3624326.00	9.34278	490410.00	3624326.00	5.09853
490460.00	3624326.00	3.16940	490510.00	3624326.00	2.15329
490560.00	3624326.00	1.54572	490610.00	3624326.00	1.15983
490660.00	3624326.00	0.89974	490710.00	3624326.00	0.71782
489960.00	3624376.00	0.68056	490010.00	3624376.00	0.93712
490060.00	3624376.00	1.38428	490110.00	3624376.00	2.22529
490160.00	3624376.00	4.14172	490410.00	3624376.00	3.83290
490460.00	3624376.00	2.53614	490510.00	3624376.00	1.78860
490560.00	3624376.00	1.31685	490610.00	3624376.00	1.00646
490660.00	3624376.00	0.79219	490710.00	3624376.00	0.63860
489960.00	3624426.00	0.60860	490010.00	3624426.00	0.80946
490060.00	3624426.00	1.13079	490110.00	3624426.00	1.68928
490160.00	3624426.00	2.66110	490410.00	3624426.00	2.79921
490460.00	3624426.00	2.00809	490510.00	3624426.00	1.47374
490560.00	3624426.00	1.13530	490610.00	3624426.00	0.88516
490660.00	3624426.00	0.70715	490710.00	3624426.00	0.57617
489960.00	3624476.00	0.53363	490010.00	3624476.00	0.68597
490060.00	3624476.00	0.90657	490110.00	3624476.00	1.25573
490160.00	3624476.00	1.74342	490410.00	3624476.00	2.03334
490460.00	3624476.00	1.57818	490510.00	3624476.00	1.23184
490560.00	3624476.00	0.98876	490610.00	3624476.00	0.78842
490660.00	3624476.00	0.64008	490710.00	3624476.00	0.52729
489960.00	3624526.00	0.46207	490010.00	3624526.00	0.57105
490060.00	3624526.00	0.72908	490110.00	3624526.00	0.94738
490160.00	3624526.00	1.23927	490410.00	3624526.00	1.55867
490460.00	3624526.00	1.27367	490510.00	3624526.00	1.02711
490560.00	3624526.00	0.86189	490610.00	3624526.00	0.70589
490660.00	3624526.00	0.58343	490710.00	3624526.00	0.48675

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: HAULB ***
INCLUDING SOURCE(S): L0000016 , L0000017 , L0000018 , L0000019 , L0000020 ,
L0000021 , L0000022 , L0000023 , L0000024 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
489960.00	3624576.00	0.39718	490010.00	3624576.00	0.48058
490060.00	3624576.00	0.59109	490110.00	3624576.00	0.73994
490160.00	3624576.00	0.93226	490210.00	3624576.00	1.13006
490260.00	3624576.00	1.28505	490310.00	3624576.00	1.34875
490360.00	3624576.00	1.30933	490410.00	3624576.00	1.19197
490460.00	3624576.00	1.04012	490510.00	3624576.00	0.85685
490560.00	3624576.00	0.72474	490610.00	3624576.00	0.63094
490660.00	3624576.00	0.53167	490710.00	3624576.00	0.45023
489960.00	3624626.00	0.34535	490010.00	3624626.00	0.40965
490060.00	3624626.00	0.49129	490110.00	3624626.00	0.59849
490160.00	3624626.00	0.72506	490210.00	3624626.00	0.84566
490260.00	3624626.00	0.94199	490310.00	3624626.00	0.99128
490360.00	3624626.00	0.98472	490410.00	3624626.00	0.92650
490460.00	3624626.00	0.84195	490510.00	3624626.00	0.74170
490560.00	3624626.00	0.62274	490610.00	3624626.00	0.55455
490660.00	3624626.00	0.48248	490710.00	3624626.00	0.41535
489960.00	3624676.00	0.30272	490010.00	3624676.00	0.35355
490060.00	3624676.00	0.41762	490110.00	3624676.00	0.49515
490160.00	3624676.00	0.57907	490210.00	3624676.00	0.65911
490260.00	3624676.00	0.72316	490310.00	3624676.00	0.75969
490360.00	3624676.00	0.76283	490410.00	3624676.00	0.73009
490460.00	3624676.00	0.66576	490510.00	3624676.00	0.60865
490560.00	3624676.00	0.54372	490610.00	3624676.00	0.47161
490660.00	3624676.00	0.43278	490710.00	3624676.00	0.38134
489960.00	3624726.00	0.26761	490010.00	3624726.00	0.30888
490060.00	3624726.00	0.35796	490110.00	3624726.00	0.41443
490160.00	3624726.00	0.47374	490210.00	3624726.00	0.52949
490260.00	3624726.00	0.57397	490310.00	3624726.00	0.59931
490360.00	3624726.00	0.60551	490410.00	3624726.00	0.58889
490460.00	3624726.00	0.56358	490510.00	3624726.00	0.52789
490560.00	3624726.00	0.48269	490610.00	3624726.00	0.41465
490660.00	3624726.00	0.37054	490710.00	3624726.00	0.34703
489960.00	3624776.00	0.23866	490010.00	3624776.00	0.27170
490060.00	3624776.00	0.30987	490110.00	3624776.00	0.35181
490160.00	3624776.00	0.39517	490210.00	3624776.00	0.43556
490260.00	3624776.00	0.46806	490310.00	3624776.00	0.48858
490360.00	3624776.00	0.49524	490410.00	3624776.00	0.48834
490460.00	3624776.00	0.47297	490510.00	3624776.00	0.44849
490560.00	3624776.00	0.41803	490610.00	3624776.00	0.38283
490660.00	3624776.00	0.33064	490710.00	3624776.00	0.29944

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: HAULB ***
INCLUDING SOURCE(S): L0000016 , L0000017 , L0000018 , L0000019 , L0000020 ,
L0000021 , L0000022 , L0000023 , L0000024 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
489960.00	3624826.00	0.21207	490010.00	3624826.00	0.23923
490060.00	3624826.00	0.26966	490110.00	3624826.00	0.30198
490160.00	3624826.00	0.33505	490210.00	3624826.00	0.36533
490260.00	3624826.00	0.38962	490310.00	3624826.00	0.40550
490360.00	3624826.00	0.41201	490410.00	3624826.00	0.40926
490460.00	3624826.00	0.39938	490510.00	3624826.00	0.38338
490560.00	3624826.00	0.36262	490610.00	3624826.00	0.33869
490660.00	3624826.00	0.30864	490710.00	3624826.00	0.26975
489960.00	3624876.00	0.19080	490010.00	3624876.00	0.21225
490060.00	3624876.00	0.23678	490110.00	3624876.00	0.26250
490160.00	3624876.00	0.28791	490210.00	3624876.00	0.31108
490260.00	3624876.00	0.32974	490310.00	3624876.00	0.34224
490360.00	3624876.00	0.34800	490410.00	3624876.00	0.34734
490460.00	3624876.00	0.34120	490510.00	3624876.00	0.33043
490560.00	3624876.00	0.31596	490610.00	3624876.00	0.29877
490660.00	3624876.00	0.27761	490710.00	3624876.00	0.24609
490210.00	3624326.00	17.12491	490220.00	3624326.00	23.54943
490230.00	3624326.00	34.10063	490240.00	3624326.00	32.08408
490250.00	3624326.00	20.90600	490260.00	3624326.00	22.72275
490270.00	3624326.00	21.96018	490280.00	3624326.00	33.35057
490290.00	3624326.00	37.28937	490300.00	3624326.00	27.59182
490310.00	3624326.00	21.68763	490320.00	3624326.00	17.71330
490330.00	3624326.00	14.77709	490340.00	3624326.00	12.52750
490350.00	3624326.00	10.75081	490360.00	3624326.00	9.34278
490370.00	3624326.00	8.17575	490380.00	3624326.00	7.20079
490390.00	3624326.00	6.38093	490400.00	3624326.00	5.69022
490410.00	3624326.00	5.09853	490420.00	3624326.00	4.58565
490430.00	3624326.00	4.15818	490440.00	3624326.00	3.78547
490450.00	3624326.00	3.45659	490460.00	3624326.00	3.16940
490210.00	3624336.00	16.20534	490220.00	3624336.00	22.31404
490230.00	3624336.00	32.47070	490240.00	3624336.00	28.58261
490250.00	3624336.00	20.12317	490260.00	3624336.00	21.55924
490270.00	3624336.00	19.95102	490280.00	3624336.00	30.17911
490290.00	3624336.00	35.15544	490300.00	3624336.00	25.79269
490310.00	3624336.00	20.21667	490320.00	3624336.00	16.51259
490330.00	3624336.00	13.79162	490340.00	3624336.00	11.71141
490350.00	3624336.00	10.06534	490360.00	3624336.00	8.76604
490370.00	3624336.00	7.69244	490380.00	3624336.00	6.79471
490390.00	3624336.00	6.03645	490400.00	3624336.00	5.39373
490410.00	3624336.00	4.84181	490420.00	3624336.00	4.36701

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: HAULB ***
INCLUDING SOURCE(S): L0000016 , L0000017 , L0000018 , L0000019 ,
L0000020 ,
L0000021 , L0000022 , L0000023 , L0000024 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
490430.00	3624336.00	3.96889	490440.00	3624336.00	3.61790
490450.00	3624336.00	3.30896	490460.00	3624336.00	3.03873
490210.00	3624346.00	15.03718	490220.00	3624346.00	20.65553
490230.00	3624346.00	30.08636	490240.00	3624346.00	11.90268
490250.00	3624346.00	13.37010	490260.00	3624346.00	13.96917
490270.00	3624346.00	13.44934	490280.00	3624346.00	12.18687
490290.00	3624346.00	32.14275	490300.00	3624346.00	23.50790
490310.00	3624346.00	18.45510	490320.00	3624346.00	15.12616
490330.00	3624346.00	12.68432	490340.00	3624346.00	10.81775
490350.00	3624346.00	9.33423	490360.00	3624346.00	8.15857
490370.00	3624346.00	7.18830	490380.00	3624346.00	6.37148
490390.00	3624346.00	5.67932	490400.00	3624346.00	5.08909
490410.00	3624346.00	4.58146	490420.00	3624346.00	4.14765
490430.00	3624346.00	3.77709	490440.00	3624346.00	3.45069
490450.00	3624346.00	3.16321	490460.00	3624346.00	2.91062
490210.00	3624356.00	13.61688	490220.00	3624356.00	18.51827
490230.00	3624356.00	26.81832	490240.00	3624356.00	20.00494
490250.00	3624356.00	9.64888	490260.00	3624356.00	9.98097
490270.00	3624356.00	9.82318	490280.00	3624356.00	20.04266
490290.00	3624356.00	28.25338	490300.00	3624356.00	20.75940
490310.00	3624356.00	16.46023	490320.00	3624356.00	13.60325
490330.00	3624356.00	11.49946	490340.00	3624356.00	9.87533
490350.00	3624356.00	8.58202	490360.00	3624356.00	7.53893
490370.00	3624356.00	6.67549	490380.00	3624356.00	5.94343
490390.00	3624356.00	5.32137	490400.00	3624356.00	4.78813
490410.00	3624356.00	4.32615	490420.00	3624356.00	3.93151
490430.00	3624356.00	3.58748	490440.00	3624356.00	3.28533
490450.00	3624356.00	3.01929	490460.00	3624356.00	2.78399
490210.00	3624366.00	12.00182	490220.00	3624366.00	15.94619
490230.00	3624366.00	22.37707	490240.00	3624366.00	14.00560
490250.00	3624366.00	16.08363	490370.00	3624366.00	6.16746
490380.00	3624366.00	5.52385	490390.00	3624366.00	4.97010
490400.00	3624366.00	4.49192	490410.00	3624366.00	4.07754
490420.00	3624366.00	3.71669	490430.00	3624366.00	3.40064
490440.00	3624366.00	3.12307	490450.00	3624366.00	2.87777
490460.00	3624366.00	2.65919	490210.00	3624376.00	10.32276
490220.00	3624376.00	13.22505	490230.00	3624376.00	17.49258
490240.00	3624376.00	23.84972	490250.00	3624376.00	11.28899
490370.00	3624376.00	5.67895	490380.00	3624376.00	5.11853
490390.00	3624376.00	4.63055	490400.00	3624376.00	4.20535

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: HAULB ***
INCLUDING SOURCE(S): L0000016 , L0000017 , L0000018 , L0000019 , L0000020 ,
L0000021 , L0000022 , L0000023 , L0000024 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
490410.00	3624376.00	3.83290	490420.00	3624376.00	3.50753
490430.00	3624376.00	3.21843	490440.00	3624376.00	2.96335
490450.00	3624376.00	2.73834	490460.00	3624376.00	2.53614
490210.00	3624386.00	8.73718	490220.00	3624386.00	10.66646
490230.00	3624386.00	13.24714	490240.00	3624386.00	16.41971
490250.00	3624386.00	19.52544	490370.00	3624386.00	5.21827
490380.00	3624386.00	4.73601	490390.00	3624386.00	4.30974
490400.00	3624386.00	3.93387	490410.00	3624386.00	3.60133
490420.00	3624386.00	3.30987	490430.00	3624386.00	3.04692
490440.00	3624386.00	2.80900	490450.00	3624386.00	2.60317
490460.00	3624386.00	2.41789	490210.00	3624396.00	7.35493
490220.00	3624396.00	8.62811	490230.00	3624396.00	10.16037
490240.00	3624396.00	11.78818	490250.00	3624396.00	13.24602
490370.00	3624396.00	4.78436	490380.00	3624396.00	4.37585
490390.00	3624396.00	4.00600	490400.00	3624396.00	3.67645
490410.00	3624396.00	3.38317	490420.00	3624396.00	3.11990
490430.00	3624396.00	2.88369	490440.00	3624396.00	2.66546
490450.00	3624396.00	2.47511	490460.00	3624396.00	2.30553
490210.00	3624406.00	6.19009	490220.00	3624406.00	7.04918
490230.00	3624406.00	8.01207	490240.00	3624406.00	8.92873
490250.00	3624406.00	9.72631	490370.00	3624406.00	4.38611
490380.00	3624406.00	4.04218	490390.00	3624406.00	3.72318
490400.00	3624406.00	3.43566	490410.00	3624406.00	3.17587
490420.00	3624406.00	2.94035	490430.00	3624406.00	2.72956
490440.00	3624406.00	2.53389	490450.00	3624406.00	2.35617
490460.00	3624406.00	2.19879	490210.00	3624416.00	5.24613
490220.00	3624416.00	5.85676	490230.00	3624416.00	6.51876
490240.00	3624416.00	7.11198	490250.00	3624416.00	7.60905
490370.00	3624416.00	4.02353	490380.00	3624416.00	3.73273
490390.00	3624416.00	3.46016	490400.00	3624416.00	3.20987
490410.00	3624416.00	2.98050	490420.00	3624416.00	2.77247
490430.00	3624416.00	2.58344	490440.00	3624416.00	2.40935
490450.00	3624416.00	2.24580	490460.00	3624416.00	2.09953
490210.00	3624426.00	4.49287	490220.00	3624426.00	4.94259
490230.00	3624426.00	5.39609	490240.00	3624426.00	5.83436
490250.00	3624426.00	6.19435	490370.00	3624426.00	3.69665
490380.00	3624426.00	3.45019	490390.00	3624426.00	3.21635
490400.00	3624426.00	2.99990	490410.00	3624426.00	2.79921
490420.00	3624426.00	2.61522	490430.00	3624426.00	2.44524
490440.00	3624426.00	2.28931	490450.00	3624426.00	2.14473

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: HAULB ***
INCLUDING SOURCE(S): L0000016 , L0000017 , L0000018 , L0000019 , L0000020 ,
L0000021 , L0000022 , L0000023 , L0000024 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
490460.00	3624426.00	2.00809	490210.00	3624436.00	3.89822
490220.00	3624436.00	4.24480	490230.00	3624436.00	4.58460
490240.00	3624436.00	4.91405	490250.00	3624436.00	5.17993
490370.00	3624436.00	3.40191	490380.00	3624436.00	3.19357
490390.00	3624436.00	2.99314	490400.00	3624436.00	2.80529
490410.00	3624436.00	2.62990	490420.00	3624436.00	2.46752
490430.00	3624436.00	2.31346	490440.00	3624436.00	2.17428
490450.00	3624436.00	2.04560	490460.00	3624436.00	1.92175
490210.00	3624446.00	3.43293	490220.00	3624446.00	3.70452
490230.00	3624446.00	3.97404	490240.00	3624446.00	4.22257
490250.00	3624446.00	4.41867	490370.00	3624446.00	3.13849
490380.00	3624446.00	2.95984	490390.00	3624446.00	2.78870
490400.00	3624446.00	2.62583	490410.00	3624446.00	2.47210
490420.00	3624446.00	2.32792	490430.00	3624446.00	2.19218
490440.00	3624446.00	2.06586	490450.00	3624446.00	1.94864
490460.00	3624446.00	1.83642	490210.00	3624456.00	3.04781
490220.00	3624456.00	3.26393	490230.00	3624456.00	3.47428
490240.00	3624456.00	3.67200	490250.00	3624456.00	3.82879
490370.00	3624456.00	2.90200	490380.00	3624456.00	2.75140
490390.00	3624456.00	2.60319	490400.00	3624456.00	2.46040
490410.00	3624456.00	2.32569	490420.00	3624456.00	2.19886
490430.00	3624456.00	2.07784	490440.00	3624456.00	1.96414
490450.00	3624456.00	1.85660	490460.00	3624456.00	1.75193
490210.00	3624466.00	2.73076	490220.00	3624466.00	2.90777
490230.00	3624466.00	3.08092	490240.00	3624466.00	3.23690
490250.00	3624466.00	3.36176	490370.00	3624466.00	2.68666
490380.00	3624466.00	2.55818	490390.00	3624466.00	2.42683
490400.00	3624466.00	2.29863	490410.00	3624466.00	2.17879
490420.00	3624466.00	2.06744	490430.00	3624466.00	1.96135
490440.00	3624466.00	1.86252	490450.00	3624466.00	1.76345
490460.00	3624466.00	1.66721	490210.00	3624476.00	2.46371
490220.00	3624476.00	2.61213	490230.00	3624476.00	2.75615
490240.00	3624476.00	2.88148	490250.00	3624476.00	2.98407
490370.00	3624476.00	2.48939	490380.00	3624476.00	2.37785
490390.00	3624476.00	2.26502	490400.00	3624476.00	2.15320
490410.00	3624476.00	2.03334	490420.00	3624476.00	1.92860
490430.00	3624476.00	1.83789	490440.00	3624476.00	1.74919
490450.00	3624476.00	1.66407	490460.00	3624476.00	1.57818
490210.00	3624486.00	2.23723	490220.00	3624486.00	2.36225
490230.00	3624486.00	2.48102	490240.00	3624486.00	2.58519

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: HAULB ***
INCLUDING SOURCE(S): L0000016 , L0000017 , L0000018 , L0000019 , L0000020 ,
L0000021 , L0000022 , L0000023 , L0000024 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
490250.00	3624486.00	2.67245	490380.00	3624486.00	2.22001
490390.00	3624486.00	2.12399	490400.00	3624486.00	2.01984
490410.00	3624486.00	1.88251	490420.00	3624486.00	1.78837
490430.00	3624486.00	1.70453	490440.00	3624486.00	1.62677
490450.00	3624486.00	1.55189	490460.00	3624486.00	1.48639
490210.00	3624496.00	2.04463	490220.00	3624496.00	2.15143
490230.00	3624496.00	2.24918	490240.00	3624496.00	2.33618
490250.00	3624496.00	2.41120	490390.00	3624496.00	1.99520
490400.00	3624496.00	1.90767	490410.00	3624496.00	1.80821
490420.00	3624496.00	1.72744	490430.00	3624496.00	1.64645
490440.00	3624496.00	1.56176	490450.00	3624496.00	1.48399
490460.00	3624496.00	1.40901	490210.00	3624506.00	1.87647
490220.00	3624506.00	1.96752	490230.00	3624506.00	2.05008
490240.00	3624506.00	2.12424	490250.00	3624506.00	2.18925
490400.00	3624506.00	1.80859	490410.00	3624506.00	1.74071
490420.00	3624506.00	1.67174	490430.00	3624506.00	1.59487
490440.00	3624506.00	1.52365	490450.00	3624506.00	1.44821
490460.00	3624506.00	1.36939	490210.00	3624516.00	1.72942
490220.00	3624516.00	1.80719	490230.00	3624516.00	1.87744
490240.00	3624516.00	1.94188	490250.00	3624516.00	1.99868
490410.00	3624516.00	1.64673	490420.00	3624516.00	1.58557
490430.00	3624516.00	1.52117	490440.00	3624516.00	1.45893
490450.00	3624516.00	1.39534	490460.00	3624516.00	1.32748
490210.00	3624526.00	1.59942	490220.00	3624526.00	1.66584
490230.00	3624526.00	1.72715	490240.00	3624526.00	1.78354
490250.00	3624526.00	1.83353	490410.00	3624526.00	1.55867
490420.00	3624526.00	1.50519	490430.00	3624526.00	1.44850
490440.00	3624526.00	1.39287	490450.00	3624526.00	1.33606
490460.00	3624526.00	1.27367	490210.00	3624536.00	1.48394
490220.00	3624536.00	1.54138	490230.00	3624536.00	1.59530
490240.00	3624536.00	1.64499	490250.00	3624536.00	1.68925
490410.00	3624536.00	1.47635	490420.00	3624536.00	1.42823
490430.00	3624536.00	1.37836	490440.00	3624536.00	1.32911
490450.00	3624536.00	1.28068	490460.00	3624536.00	1.22688
490210.00	3624546.00	1.38070	490220.00	3624546.00	1.43116
490230.00	3624546.00	1.47886	490240.00	3624546.00	1.52290
490250.00	3624546.00	1.56227	490410.00	3624546.00	1.39872
490420.00	3624546.00	1.35626	490430.00	3624546.00	1.31230
490440.00	3624546.00	1.26856	490450.00	3624546.00	1.22443
490460.00	3624546.00	1.18026	490210.00	3624556.00	1.28814

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: HAULB ***
INCLUDING SOURCE(S): L0000016 , L0000017 , L0000018 , L0000019 , L0000020 ,
L0000021 , L0000022 , L0000023 , L0000024 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
490220.00	3624556.00	1.33301	490230.00	3624556.00	1.37542
490240.00	3624556.00	1.41452	490250.00	3624556.00	1.44972
490410.00	3624556.00	1.32537	490420.00	3624556.00	1.28869
490430.00	3624556.00	1.25018	490440.00	3624556.00	1.21136
490450.00	3624556.00	1.17196	490460.00	3624556.00	1.13191
490210.00	3624566.00	1.20504	490220.00	3624566.00	1.24510
490230.00	3624566.00	1.28285	490240.00	3624566.00	1.31778
490250.00	3624566.00	1.34938	490260.00	3624566.00	1.37716
490270.00	3624566.00	1.40050	490280.00	3624566.00	1.41891
490290.00	3624566.00	1.43232	490300.00	3624566.00	1.44034
490310.00	3624566.00	1.44342	490320.00	3624566.00	1.44108
490330.00	3624566.00	1.43415	490340.00	3624566.00	1.42401
490350.00	3624566.00	1.40953	490360.00	3624566.00	1.39112
490370.00	3624566.00	1.36934	490380.00	3624566.00	1.34523
490390.00	3624566.00	1.31831	490400.00	3624566.00	1.28819
490410.00	3624566.00	1.25644	490420.00	3624566.00	1.22437
490430.00	3624566.00	1.19047	490440.00	3624566.00	1.15600
490450.00	3624566.00	1.12066	490460.00	3624566.00	1.08545
490210.00	3624576.00	1.13006	490220.00	3624576.00	1.16604
490230.00	3624576.00	1.19996	490240.00	3624576.00	1.23146
490250.00	3624576.00	1.25988	490260.00	3624576.00	1.28505
490270.00	3624576.00	1.30651	490280.00	3624576.00	1.32357
490290.00	3624576.00	1.33634	490300.00	3624576.00	1.34488
490310.00	3624576.00	1.34875	490320.00	3624576.00	1.34799
490330.00	3624576.00	1.34318	490340.00	3624576.00	1.33572
490350.00	3624576.00	1.32460	490360.00	3624576.00	1.30933
490370.00	3624576.00	1.29125	490380.00	3624576.00	1.27028
490390.00	3624576.00	1.24654	490400.00	3624576.00	1.21991
490410.00	3624576.00	1.19197	490420.00	3624576.00	1.16378
490430.00	3624576.00	1.13393	490440.00	3624576.00	1.10330
490450.00	3624576.00	1.07170	490460.00	3624576.00	1.04012
490210.00	3624586.00	1.06218	490220.00	3624586.00	1.09461
490230.00	3624586.00	1.12520	490240.00	3624586.00	1.15360
490250.00	3624586.00	1.17941	490260.00	3624586.00	1.20220
490270.00	3624586.00	1.22177	490280.00	3624586.00	1.23756
490290.00	3624586.00	1.24995	490300.00	3624586.00	1.25832
490310.00	3624586.00	1.26310	490320.00	3624586.00	1.26355
490330.00	3624586.00	1.26042	490340.00	3624586.00	1.25488
490350.00	3624586.00	1.24590	490360.00	3624586.00	1.23338
490370.00	3624586.00	1.21810	490380.00	3624586.00	1.20006

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: HAULB ***
INCLUDING SOURCE(S): L0000016 , L0000017 , L0000018 , L0000019 , L0000020 ,
L0000021 , L0000022 , L0000023 , L0000024 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
490390.00	3624586.00	1.17965	490400.00	3624586.00	1.15626
490410.00	3624586.00	1.13171	490420.00	3624586.00	1.10747
490430.00	3624586.00	1.08103	490440.00	3624586.00	1.05355
490450.00	3624586.00	1.02506	490460.00	3624586.00	0.99665
490210.00	3624596.00	1.00051	490220.00	3624596.00	1.02980
490230.00	3624596.00	1.05746	490240.00	3624596.00	1.08313
490250.00	3624596.00	1.10663	490260.00	3624596.00	1.12741
490270.00	3624596.00	1.14535	490280.00	3624596.00	1.16009
490290.00	3624596.00	1.17198	490300.00	3624596.00	1.18018
490310.00	3624596.00	1.18536	490320.00	3624596.00	1.18687
490330.00	3624596.00	1.18499	490340.00	3624596.00	1.18097
490350.00	3624596.00	1.17384	490360.00	3624596.00	1.16354
490370.00	3624596.00	1.15060	490380.00	3624596.00	1.13524
490390.00	3624596.00	1.11756	490400.00	3624596.00	1.09700
490410.00	3624596.00	1.07527	490420.00	3624596.00	1.05318
490430.00	3624596.00	1.02976	490440.00	3624596.00	1.00545
490450.00	3624596.00	0.98035	490460.00	3624596.00	0.95500
490210.00	3624606.00	0.94428	490220.00	3624606.00	0.97087
490230.00	3624606.00	0.99598	490240.00	3624606.00	1.01936
490250.00	3624606.00	1.04064	490260.00	3624606.00	1.05971
490270.00	3624606.00	1.07625	490280.00	3624606.00	1.09002
490290.00	3624606.00	1.10117	490300.00	3624606.00	1.10934
490310.00	3624606.00	1.11469	490320.00	3624606.00	1.11692
490330.00	3624606.00	1.11611	490340.00	3624606.00	1.11314
490350.00	3624606.00	1.10781	490360.00	3624606.00	1.09911
490370.00	3624606.00	1.08842	490380.00	3624606.00	1.07530
490390.00	3624606.00	1.06000	490400.00	3624606.00	1.04178
490410.00	3624606.00	1.02255	490420.00	3624606.00	1.00305
490430.00	3624606.00	0.98228	490440.00	3624606.00	0.96068
490450.00	3624606.00	0.93834	490460.00	3624606.00	0.91550
490210.00	3624616.00	0.89283	490220.00	3624616.00	0.91702
490230.00	3624616.00	0.93990	490240.00	3624616.00	0.96120
490250.00	3624616.00	0.98063	490260.00	3624616.00	0.99813
490270.00	3624616.00	1.01340	490280.00	3624616.00	1.02622
490290.00	3624616.00	1.03681	490300.00	3624616.00	1.04484
490310.00	3624616.00	1.05022	490320.00	3624616.00	1.05286
490330.00	3624616.00	1.05285	490340.00	3624616.00	1.05108
490350.00	3624616.00	1.04674	490360.00	3624616.00	1.03969
490370.00	3624616.00	1.03068	490380.00	3624616.00	1.01941
490390.00	3624616.00	1.00613	490400.00	3624616.00	0.99015

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: HAULB ***
INCLUDING SOURCE(S): L0000016 , L0000017 , L0000018 , L0000019 , L0000020 ,
L0000021 , L0000022 , L0000023 , L0000024 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
490410.00	3624616.00	0.97309	490420.00	3624616.00	0.95640
490430.00	3624616.00	0.93815	490440.00	3624616.00	0.91897
490450.00	3624616.00	0.89874	490460.00	3624616.00	0.87796
490307.00	3624461.00	3.63450	490317.00	3624461.00	3.53425
490307.00	3624471.00	3.25716	490317.00	3624471.00	3.18500
490307.00	3624481.00	2.93655	490317.00	3624481.00	2.88465
490307.00	3624491.00	2.66158	490317.00	3624491.00	2.62421
490307.00	3624501.00	2.42375	490317.00	3624501.00	2.39698
490307.00	3624511.00	2.21622	490317.00	3624511.00	2.19782
490307.00	3624521.00	2.03448	490317.00	3624521.00	2.02141
490276.00	3624433.00	5.65610	490286.00	3624433.00	5.55655
490296.00	3624433.00	5.38449	490276.00	3624443.00	4.82602
490286.00	3624443.00	4.77823	490296.00	3624443.00	4.67366
490276.00	3624453.00	4.18023	490286.00	3624453.00	4.16214
490296.00	3624453.00	4.09865	490276.00	3624463.00	3.66598
490286.00	3624463.00	3.66547	490296.00	3624463.00	3.62873
490276.00	3624473.00	3.24910	490286.00	3624473.00	3.25872
490296.00	3624473.00	3.23874	490276.00	3624481.00	2.96868
490286.00	3624481.00	2.98307	490296.00	3624481.00	2.97261
490276.00	3624491.00	2.66951	490286.00	3624491.00	2.68715
490296.00	3624491.00	2.68480	490276.00	3624501.00	2.41597
490286.00	3624501.00	2.43485	490296.00	3624501.00	2.43769
490276.00	3624511.00	2.19896	490286.00	3624511.00	2.21813
490296.00	3624511.00	2.22387	490276.00	3624521.00	2.01115
490286.00	3624521.00	2.03011	490296.00	3624521.00	2.03761
490279.00	3624525.00	1.94971	490289.00	3624525.00	1.96521
490299.00	3624525.00	1.97029	490309.00	3624525.00	1.96667
490319.00	3624525.00	1.95282	490279.00	3624535.00	1.79415
490289.00	3624535.00	1.80934	490299.00	3624535.00	1.81590
490309.00	3624535.00	1.81460	490319.00	3624535.00	1.80471
490279.00	3624545.00	1.65681	490289.00	3624545.00	1.67167
490299.00	3624545.00	1.67936	490309.00	3624545.00	1.68011
490319.00	3624545.00	1.67382	490298.00	3624431.00	5.50030
490298.00	3624441.00	4.77420	490308.00	3624441.00	4.60424
490318.00	3624441.00	4.40702	490298.00	3624451.00	4.18536
490308.00	3624451.00	4.07031	490318.00	3624451.00	3.92769

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: HAULC ***
INCLUDING SOURCE(S): L0000025 , L0000026 , L0000027 , L0000028 , L0000029 ,
L0000030 , L0000031 , L0000032 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
489960.00	3624026.00	3.89337	490010.00	3624026.00	4.35910
490060.00	3624026.00	4.66590	490110.00	3624026.00	4.82734
490160.00	3624026.00	4.83863	490210.00	3624026.00	4.66734
490260.00	3624026.00	4.26131	490310.00	3624026.00	3.59925
490360.00	3624026.00	2.82951	490410.00	3624026.00	2.15887
490460.00	3624026.00	1.64460	490510.00	3624026.00	1.26947
490560.00	3624026.00	0.99858	490610.00	3624026.00	0.80048
490660.00	3624026.00	0.65300	490710.00	3624026.00	0.54128
489960.00	3624076.00	8.30486	490010.00	3624076.00	8.94149
490060.00	3624076.00	9.32154	490110.00	3624076.00	9.49115
490160.00	3624076.00	9.44221	490210.00	3624076.00	9.01678
490260.00	3624076.00	7.72361	490310.00	3624076.00	5.28353
490360.00	3624076.00	3.44953	490410.00	3624076.00	2.33619
490460.00	3624076.00	1.65734	490510.00	3624076.00	1.22760
490560.00	3624076.00	0.94367	490610.00	3624076.00	0.74701
490660.00	3624076.00	0.60525	490710.00	3624076.00	0.50016
489960.00	3624126.00	6.87795	490010.00	3624126.00	10.98891
490060.00	3624126.00	6.17472	490110.00	3624126.00	6.14063
490160.00	3624126.00	6.01170	490210.00	3624126.00	5.36785
490260.00	3624126.00	6.18254	490310.00	3624126.00	7.14348
490360.00	3624126.00	3.63195	490410.00	3624126.00	2.22969
490460.00	3624126.00	1.51873	490510.00	3624126.00	1.10688
490560.00	3624126.00	0.84681	490610.00	3624126.00	0.67057
490660.00	3624126.00	0.54496	490710.00	3624126.00	0.45203
489960.00	3624176.00	6.33077	490010.00	3624176.00	10.20316
490060.00	3624176.00	5.62717	490110.00	3624176.00	5.48536
490160.00	3624176.00	5.26049	490210.00	3624176.00	4.54280
490260.00	3624176.00	5.23109	490310.00	3624176.00	6.03140
490360.00	3624176.00	3.03544	490410.00	3624176.00	1.87750
490460.00	3624176.00	1.29266	490510.00	3624176.00	0.95415
490560.00	3624176.00	0.73769	490610.00	3624176.00	0.59027
490660.00	3624176.00	0.48417	490710.00	3624176.00	0.40483
489960.00	3624226.00	7.00887	490010.00	3624226.00	7.27519
490060.00	3624226.00	7.36152	490110.00	3624226.00	7.29335
490160.00	3624226.00	7.04088	490210.00	3624226.00	6.44588
490260.00	3624226.00	5.15567	490310.00	3624226.00	3.42547
490360.00	3624226.00	2.20399	490410.00	3624226.00	1.49424
490460.00	3624226.00	1.07428	490510.00	3624226.00	0.81573
490560.00	3624226.00	0.64197	490610.00	3624226.00	0.52073
490660.00	3624226.00	0.43160	490710.00	3624226.00	0.36402

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: HAULC ***
INCLUDING SOURCE(S): L0000025 , L0000026 , L0000027 , L0000028 , L0000029 ,
L0000030 , L0000031 , L0000032 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
489960.00	3624276.00	3.54259	490010.00	3624276.00	3.75204
490060.00	3624276.00	3.84414	490110.00	3624276.00	3.82758
490160.00	3624276.00	3.69096	490210.00	3624276.00	3.38828
490260.00	3624276.00	2.87475	490310.00	3624276.00	2.22860
490360.00	3624276.00	1.64474	490410.00	3624276.00	1.20749
490460.00	3624276.00	0.90967	490510.00	3624276.00	0.70960
490560.00	3624276.00	0.56884	490610.00	3624276.00	0.46696
490660.00	3624276.00	0.39034	490710.00	3624276.00	0.33167
489960.00	3624326.00	2.19628	490010.00	3624326.00	2.35356
490060.00	3624326.00	2.43422	490110.00	3624326.00	2.43911
490160.00	3624326.00	2.36490	490210.00	3624326.00	2.19994
490260.00	3624326.00	1.93983	490310.00	3624326.00	1.61389
490360.00	3624326.00	1.28656	490410.00	3624326.00	1.00433
490460.00	3624326.00	0.78870	490510.00	3624326.00	0.63153
490560.00	3624326.00	0.51418	490610.00	3624326.00	0.42637
490660.00	3624326.00	0.35911	490710.00	3624326.00	0.30699
489960.00	3624376.00	1.50162	490010.00	3624376.00	1.61966
490060.00	3624376.00	1.68770	490110.00	3624376.00	1.70294
490160.00	3624376.00	1.66491	490410.00	3624376.00	0.84878
490460.00	3624376.00	0.69204	490510.00	3624376.00	0.56804
490560.00	3624376.00	0.47032	490610.00	3624376.00	0.39445
490660.00	3624376.00	0.33499	490710.00	3624376.00	0.28782
489960.00	3624426.00	1.09232	490010.00	3624426.00	1.18058
490060.00	3624426.00	1.23571	490110.00	3624426.00	1.25597
490160.00	3624426.00	1.23821	490410.00	3624426.00	0.72286
490460.00	3624426.00	0.60818	490510.00	3624426.00	0.50899
490560.00	3624426.00	0.43248	490610.00	3624426.00	0.36713
490660.00	3624426.00	0.31460	490710.00	3624426.00	0.27195
489960.00	3624476.00	0.83122	490010.00	3624476.00	0.89741
490060.00	3624476.00	0.94177	490110.00	3624476.00	0.96193
490160.00	3624476.00	0.95761	490410.00	3624476.00	0.61423
490460.00	3624476.00	0.53075	490510.00	3624476.00	0.45697
490560.00	3624476.00	0.39715	490610.00	3624476.00	0.34182
490660.00	3624476.00	0.29601	490710.00	3624476.00	0.25778
489960.00	3624526.00	0.65434	490010.00	3624526.00	0.70424
490060.00	3624526.00	0.74009	490110.00	3624526.00	0.75892
490160.00	3624526.00	0.75976	490410.00	3624526.00	0.53429
490460.00	3624526.00	0.46901	490510.00	3624526.00	0.40839
490560.00	3624526.00	0.36336	490610.00	3624526.00	0.31758
490660.00	3624526.00	0.27817	490710.00	3624526.00	0.24435

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: HAULC ***
INCLUDING SOURCE(S): L0000025 , L0000026 , L0000027 , L0000028 , L0000029 ,
L0000030 , L0000031 , L0000032 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
489960.00	3624576.00	0.52866	490010.00	3624576.00	0.56724
490060.00	3624576.00	0.59593	490110.00	3624576.00	0.61264
490160.00	3624576.00	0.61527	490210.00	3624576.00	0.60504
490260.00	3624576.00	0.58214	490310.00	3624576.00	0.54861
490360.00	3624576.00	0.50821	490410.00	3624576.00	0.46349
490460.00	3624576.00	0.41751	490510.00	3624576.00	0.36509
490560.00	3624576.00	0.32469	490610.00	3624576.00	0.29426
490660.00	3624576.00	0.26067	490710.00	3624576.00	0.23119
489960.00	3624626.00	0.43693	490010.00	3624626.00	0.46678
490060.00	3624626.00	0.48960	490110.00	3624626.00	0.50373
490160.00	3624626.00	0.50797	490210.00	3624626.00	0.50250
490260.00	3624626.00	0.48768	490310.00	3624626.00	0.46506
490360.00	3624626.00	0.43672	490410.00	3624626.00	0.40370
490460.00	3624626.00	0.36968	490510.00	3624626.00	0.33450
490560.00	3624626.00	0.29426	490610.00	3624626.00	0.26976
490660.00	3624626.00	0.24354	490710.00	3624626.00	0.21813
489960.00	3624676.00	0.36766	490010.00	3624676.00	0.39104
490060.00	3624676.00	0.40924	490110.00	3624676.00	0.42100
490160.00	3624676.00	0.42575	490210.00	3624676.00	0.42315
490260.00	3624676.00	0.41355	490310.00	3624676.00	0.39801
490360.00	3624676.00	0.37758	490410.00	3624676.00	0.35211
490460.00	3624676.00	0.32149	490510.00	3624676.00	0.29611
490560.00	3624676.00	0.26993	490610.00	3624676.00	0.24169
490660.00	3624676.00	0.22589	490710.00	3624676.00	0.20520
489960.00	3624726.00	0.31402	490010.00	3624726.00	0.33257
490060.00	3624726.00	0.34713	490110.00	3624726.00	0.35701
490160.00	3624726.00	0.36159	490210.00	3624726.00	0.36064
490260.00	3624726.00	0.35435	490310.00	3624726.00	0.34289
490360.00	3624726.00	0.32813	490410.00	3624726.00	0.30933
490460.00	3624726.00	0.29088	490510.00	3624726.00	0.27147
490560.00	3624726.00	0.25055	490610.00	3624726.00	0.22182
490660.00	3624726.00	0.20252	490710.00	3624726.00	0.19197
489960.00	3624776.00	0.27162	490010.00	3624776.00	0.28644
490060.00	3624776.00	0.29824	490110.00	3624776.00	0.30644
490160.00	3624776.00	0.31065	490210.00	3624776.00	0.31069
490260.00	3624776.00	0.30673	490310.00	3624776.00	0.29910
490360.00	3624776.00	0.28830	490410.00	3624776.00	0.27488
490460.00	3624776.00	0.26061	490510.00	3624776.00	0.24490
490560.00	3624776.00	0.22844	490610.00	3624776.00	0.21120
490660.00	3624776.00	0.18728	490710.00	3624776.00	0.17250

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: HAULC ***
INCLUDING SOURCE(S): L0000025 , L0000026 , L0000027 , L0000028 , L0000029 ,
L0000030 , L0000031 , L0000032 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
489960.00	3624826.00	0.23713	490010.00	3624826.00	0.24928
490060.00	3624826.00	0.25899	490110.00	3624826.00	0.26588
490160.00	3624826.00	0.26970	490210.00	3624826.00	0.27034
490260.00	3624826.00	0.26781	490310.00	3624826.00	0.26242
490360.00	3624826.00	0.25458	490410.00	3624826.00	0.24464
490460.00	3624826.00	0.23343	490510.00	3624826.00	0.22116
490560.00	3624826.00	0.20814	490610.00	3624826.00	0.19478
490660.00	3624826.00	0.17945	490710.00	3624826.00	0.16025
489960.00	3624876.00	0.20913	490010.00	3624876.00	0.21901
490060.00	3624876.00	0.22708	490110.00	3624876.00	0.23290
490160.00	3624876.00	0.23629	490210.00	3624876.00	0.23720
490260.00	3624876.00	0.23565	490310.00	3624876.00	0.23180
490360.00	3624876.00	0.22599	490410.00	3624876.00	0.21855
490460.00	3624876.00	0.20987	490510.00	3624876.00	0.20020
490560.00	3624876.00	0.18982	490610.00	3624876.00	0.17901
490660.00	3624876.00	0.16703	490710.00	3624876.00	0.15046
490210.00	3624326.00	2.19994	490220.00	3624326.00	2.15541
490230.00	3624326.00	2.10691	490240.00	3624326.00	2.05470
490250.00	3624326.00	1.99886	490260.00	3624326.00	1.93983
490270.00	3624326.00	1.87833	490280.00	3624326.00	1.81452
490290.00	3624326.00	1.74886	490300.00	3624326.00	1.68180
490310.00	3624326.00	1.61389	490320.00	3624326.00	1.54664
490330.00	3624326.00	1.47970	490340.00	3624326.00	1.41371
490350.00	3624326.00	1.34888	490360.00	3624326.00	1.28656
490370.00	3624326.00	1.22568	490380.00	3624326.00	1.16667
490390.00	3624326.00	1.10991	490400.00	3624326.00	1.05592
490410.00	3624326.00	1.00433	490420.00	3624326.00	0.95489
490430.00	3624326.00	0.90974	490440.00	3624326.00	0.86708
490450.00	3624326.00	0.82657	490460.00	3624326.00	0.78870
490210.00	3624336.00	2.04482	490220.00	3624336.00	2.00524
490230.00	3624336.00	1.96216	490240.00	3624336.00	1.91584
490250.00	3624336.00	1.86636	490260.00	3624336.00	1.81409
490270.00	3624336.00	1.75963	490280.00	3624336.00	1.70304
490290.00	3624336.00	1.64474	490300.00	3624336.00	1.58509
490310.00	3624336.00	1.52458	490320.00	3624336.00	1.46451
490330.00	3624336.00	1.40450	490340.00	3624336.00	1.34506
490350.00	3624336.00	1.28624	490360.00	3624336.00	1.22959
490370.00	3624336.00	1.17418	490380.00	3624336.00	1.12029
490390.00	3624336.00	1.06814	490400.00	3624336.00	1.01813
490410.00	3624336.00	0.97011	490420.00	3624336.00	0.92435

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: HAULC ***
INCLUDING SOURCE(S): L0000025 , L0000026 , L0000027 , L0000028 , L0000029 ,
L0000030 , L0000031 , L0000032 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
490430.00	3624336.00	0.88226	490440.00	3624336.00	0.84201
490450.00	3624336.00	0.80381	490460.00	3624336.00	0.76801
490210.00	3624346.00	1.90674	490220.00	3624346.00	1.87145
490230.00	3624346.00	1.83307	490240.00	3624346.00	1.79181
490250.00	3624346.00	1.74778	490260.00	3624346.00	1.70127
490270.00	3624346.00	1.65282	490280.00	3624346.00	1.60238
490290.00	3624346.00	1.55037	490300.00	3624346.00	1.49711
490310.00	3624346.00	1.44295	490320.00	3624346.00	1.38902
490330.00	3624346.00	1.33497	490340.00	3624346.00	1.28132
490350.00	3624346.00	1.22797	490360.00	3624346.00	1.17632
490370.00	3624346.00	1.12581	490380.00	3624346.00	1.07636
490390.00	3624346.00	1.02835	490400.00	3624346.00	0.98203
490410.00	3624346.00	0.93747	490420.00	3624346.00	0.89527
490430.00	3624346.00	0.85576	490440.00	3624346.00	0.81798
490450.00	3624346.00	0.78210	490460.00	3624346.00	0.74831
490210.00	3624356.00	1.78311	490220.00	3624356.00	1.75148
490230.00	3624356.00	1.71716	490240.00	3624356.00	1.68029
490250.00	3624356.00	1.64099	490260.00	3624356.00	1.59946
490270.00	3624356.00	1.55608	490280.00	3624356.00	1.51092
490290.00	3624356.00	1.46434	490300.00	3624356.00	1.41664
490310.00	3624356.00	1.36812	490320.00	3624356.00	1.31944
490330.00	3624356.00	1.27062	490340.00	3624356.00	1.22199
490350.00	3624356.00	1.17372	490360.00	3624356.00	1.12648
490370.00	3624356.00	1.08024	490380.00	3624356.00	1.03479
490390.00	3624356.00	0.99064	490400.00	3624356.00	0.94793
490410.00	3624356.00	0.90662	490420.00	3624356.00	0.86758
490430.00	3624356.00	0.83034	490440.00	3624356.00	0.79483
490450.00	3624356.00	0.76114	490460.00	3624356.00	0.72920
490210.00	3624366.00	1.67177	490220.00	3624366.00	1.64336
490230.00	3624366.00	1.61259	490240.00	3624366.00	1.57954
490250.00	3624366.00	1.54429	490370.00	3624366.00	1.03726
490380.00	3624366.00	0.99561	490390.00	3624366.00	0.95488
490400.00	3624366.00	0.91537	490410.00	3624366.00	0.87727
490420.00	3624366.00	0.84071	490430.00	3624366.00	0.80572
490440.00	3624366.00	0.77241	490450.00	3624366.00	0.74072
490460.00	3624366.00	0.71051	490210.00	3624376.00	1.57092
490220.00	3624376.00	1.54544	490230.00	3624376.00	1.51780
490240.00	3624376.00	1.48810	490250.00	3624376.00	1.45641
490370.00	3624376.00	0.99679	490380.00	3624376.00	0.95847
490390.00	3624376.00	0.92087	490400.00	3624376.00	0.88426

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: HAULC ***
INCLUDING SOURCE(S): L0000025 , L0000026 , L0000027 , L0000028 , L0000029 ,
L0000030 , L0000031 , L0000032 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
490410.00	3624376.00	0.84878	490420.00	3624376.00	0.81475
490430.00	3624376.00	0.78184	490440.00	3624376.00	0.75042
490450.00	3624376.00	0.72063	490460.00	3624376.00	0.69204
490210.00	3624386.00	1.47934	490220.00	3624386.00	1.45638
490230.00	3624386.00	1.43152	490240.00	3624386.00	1.40481
490250.00	3624386.00	1.37625	490370.00	3624386.00	0.95861
490380.00	3624386.00	0.92337	490390.00	3624386.00	0.88862
490400.00	3624386.00	0.85468	490410.00	3624386.00	0.82165
490420.00	3624386.00	0.79001	490430.00	3624386.00	0.75911
490440.00	3624386.00	0.72899	490450.00	3624386.00	0.70095
490460.00	3624386.00	0.67407	490210.00	3624396.00	1.39573
490220.00	3624396.00	1.37501	490230.00	3624396.00	1.35261
490240.00	3624396.00	1.32856	490250.00	3624396.00	1.30272
490370.00	3624396.00	0.92212	490380.00	3624396.00	0.88985
490390.00	3624396.00	0.85771	490400.00	3624396.00	0.82626
490410.00	3624396.00	0.79570	490420.00	3624396.00	0.76595
490430.00	3624396.00	0.73715	490440.00	3624396.00	0.70865
490450.00	3624396.00	0.68196	490460.00	3624396.00	0.65667
490210.00	3624406.00	1.31913	490220.00	3624406.00	1.30043
490230.00	3624406.00	1.28031	490240.00	3624406.00	1.25886
490250.00	3624406.00	1.23514	490370.00	3624406.00	0.88748
490380.00	3624406.00	0.85790	490390.00	3624406.00	0.82817
490400.00	3624406.00	0.79904	490410.00	3624406.00	0.77055
490420.00	3624406.00	0.74272	490430.00	3624406.00	0.71596
490440.00	3624406.00	0.68949	490450.00	3624406.00	0.66387
490460.00	3624406.00	0.63974	490210.00	3624416.00	1.24872
490220.00	3624416.00	1.23198	490230.00	3624416.00	1.21367
490240.00	3624416.00	1.19418	490250.00	3624416.00	1.17275
490370.00	3624416.00	0.85452	490380.00	3624416.00	0.82721
490390.00	3624416.00	0.79981	490400.00	3624416.00	0.77277
490410.00	3624416.00	0.74620	490420.00	3624416.00	0.72039
490430.00	3624416.00	0.69537	490440.00	3624416.00	0.67090
490450.00	3624416.00	0.64660	490460.00	3624416.00	0.62355
490210.00	3624426.00	1.18397	490220.00	3624426.00	1.16895
490230.00	3624426.00	1.15277	490240.00	3624426.00	1.13468
490250.00	3624426.00	1.11500	490370.00	3624426.00	0.82322
490380.00	3624426.00	0.79792	490390.00	3624426.00	0.77252
490400.00	3624426.00	0.74750	490410.00	3624426.00	0.72286
490420.00	3624426.00	0.69884	490430.00	3624426.00	0.67535
490440.00	3624426.00	0.65256	490450.00	3624426.00	0.63028

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: HAULC ***
INCLUDING SOURCE(S): L0000025 , L0000026 , L0000027 , L0000028 , L0000029 ,
L0000030 , L0000031 , L0000032 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
490460.00	3624426.00	0.60818	490210.00	3624436.00	1.12433
490220.00	3624436.00	1.11076	490230.00	3624436.00	1.09614
490240.00	3624436.00	1.07923	490250.00	3624436.00	1.06142
490370.00	3624436.00	0.79342	490380.00	3624436.00	0.77000
490390.00	3624436.00	0.74645	490400.00	3624436.00	0.72320
490410.00	3624436.00	0.70032	490420.00	3624436.00	0.67798
490430.00	3624436.00	0.65574	490440.00	3624436.00	0.63452
490450.00	3624436.00	0.61393	490460.00	3624436.00	0.59326
490210.00	3624446.00	1.06886	490220.00	3624446.00	1.05647
490230.00	3624446.00	1.04262	490240.00	3624446.00	1.02756
490250.00	3624446.00	1.01163	490370.00	3624446.00	0.76525
490380.00	3624446.00	0.74332	490390.00	3624446.00	0.72152
490400.00	3624446.00	0.69990	490410.00	3624446.00	0.67859
490420.00	3624446.00	0.65767	490430.00	3624446.00	0.63708
490440.00	3624446.00	0.61703	490450.00	3624446.00	0.59758
490460.00	3624446.00	0.57821	490210.00	3624456.00	1.01754
490220.00	3624456.00	1.00637	490230.00	3624456.00	0.99393
490240.00	3624456.00	0.97985	490250.00	3624456.00	0.96527
490370.00	3624456.00	0.73854	490380.00	3624456.00	0.71827
490390.00	3624456.00	0.69787	490400.00	3624456.00	0.67759
490410.00	3624456.00	0.65771	490420.00	3624456.00	0.63825
490430.00	3624456.00	0.61899	490440.00	3624456.00	0.60016
490450.00	3624456.00	0.58166	490460.00	3624456.00	0.56300
490210.00	3624466.00	0.96961	490220.00	3624466.00	0.95934
490230.00	3624466.00	0.94767	490240.00	3624466.00	0.93520
490250.00	3624466.00	0.92197	490370.00	3624466.00	0.71297
490380.00	3624466.00	0.69404	490390.00	3624466.00	0.67457
490400.00	3624466.00	0.65509	490410.00	3624466.00	0.63624
490420.00	3624466.00	0.61807	490430.00	3624466.00	0.60022
490440.00	3624466.00	0.58298	490450.00	3624466.00	0.56525
490460.00	3624466.00	0.54744	490210.00	3624476.00	0.92492
490220.00	3624476.00	0.91535	490230.00	3624476.00	0.90476
490240.00	3624476.00	0.89354	490250.00	3624476.00	0.88148
490370.00	3624476.00	0.68835	490380.00	3624476.00	0.67042
490390.00	3624476.00	0.65224	490400.00	3624476.00	0.63397
490410.00	3624476.00	0.61423	490420.00	3624476.00	0.59616
490430.00	3624476.00	0.57984	490440.00	3624476.00	0.56351
490450.00	3624476.00	0.54740	490460.00	3624476.00	0.53075
490210.00	3624486.00	0.88307	490220.00	3624486.00	0.87432
490230.00	3624486.00	0.86479	490240.00	3624486.00	0.85456

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: HAULC ***
INCLUDING SOURCE(S): L0000025 , L0000026 , L0000027 , L0000028 , L0000029 ,
L0000030 , L0000031 , L0000032 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
490250.00	3624486.00	0.84354	490380.00	3624486.00	0.64867
490390.00	3624486.00	0.63186	490400.00	3624486.00	0.61385
490410.00	3624486.00	0.59038	490420.00	3624486.00	0.57291
490430.00	3624486.00	0.55685	490440.00	3624486.00	0.54157
490450.00	3624486.00	0.52653	490460.00	3624486.00	0.51297
490210.00	3624496.00	0.84372	490220.00	3624496.00	0.83589
490230.00	3624496.00	0.82735	490240.00	3624496.00	0.81802
490250.00	3624496.00	0.80793	490390.00	3624496.00	0.61253
490400.00	3624496.00	0.59617	490410.00	3624496.00	0.57784
490420.00	3624496.00	0.56215	490430.00	3624496.00	0.54622
490440.00	3624496.00	0.52931	490450.00	3624496.00	0.51327
490460.00	3624496.00	0.49738	490210.00	3624506.00	0.80706
490220.00	3624506.00	0.80001	490230.00	3624506.00	0.79223
490240.00	3624506.00	0.78370	490250.00	3624506.00	0.77446
490400.00	3624506.00	0.58001	490410.00	3624506.00	0.56606
490420.00	3624506.00	0.55195	490430.00	3624506.00	0.53647
490440.00	3624506.00	0.52173	490450.00	3624506.00	0.50598
490460.00	3624506.00	0.48915	490210.00	3624516.00	0.77270
490220.00	3624516.00	0.76633	490230.00	3624516.00	0.75923
490240.00	3624516.00	0.75143	490250.00	3624516.00	0.74296
490410.00	3624516.00	0.54989	490420.00	3624516.00	0.53661
490430.00	3624516.00	0.52277	490440.00	3624516.00	0.50923
490450.00	3624516.00	0.49530	490460.00	3624516.00	0.48033
490210.00	3624526.00	0.74046	490220.00	3624526.00	0.73465
490230.00	3624526.00	0.72817	490240.00	3624526.00	0.72104
490250.00	3624526.00	0.71329	490410.00	3624526.00	0.53429
490420.00	3624526.00	0.52191	490430.00	3624526.00	0.50901
490440.00	3624526.00	0.49629	490450.00	3624526.00	0.48328
490460.00	3624526.00	0.46901	490210.00	3624536.00	0.71011
490220.00	3624536.00	0.70483	490230.00	3624536.00	0.69891
490240.00	3624536.00	0.69240	490250.00	3624536.00	0.68529
490410.00	3624536.00	0.51928	490420.00	3624536.00	0.50748
490430.00	3624536.00	0.49545	490440.00	3624536.00	0.48356
490450.00	3624536.00	0.47183	490460.00	3624536.00	0.45897
490210.00	3624546.00	0.68152	490220.00	3624546.00	0.67672
490230.00	3624546.00	0.67133	490240.00	3624546.00	0.66536
490250.00	3624546.00	0.65883	490410.00	3624546.00	0.50470
490420.00	3624546.00	0.49361	490430.00	3624546.00	0.48235
490440.00	3624546.00	0.47122	490450.00	3624546.00	0.46004
490460.00	3624546.00	0.44885	490210.00	3624556.00	0.65456

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: HAULC ***
INCLUDING SOURCE(S): L0000025 , L0000026 , L0000027 , L0000028 , L0000029 ,
L0000030 , L0000031 , L0000032 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
490220.00	3624556.00	0.65019	490230.00	3624556.00	0.64526
490240.00	3624556.00	0.63978	490250.00	3624556.00	0.63379
490410.00	3624556.00	0.49051	490420.00	3624556.00	0.48022
490430.00	3624556.00	0.46974	490440.00	3624556.00	0.45930
490450.00	3624556.00	0.44882	490460.00	3624556.00	0.43822
490210.00	3624566.00	0.62909	490220.00	3624566.00	0.62511
490230.00	3624566.00	0.62059	490240.00	3624566.00	0.61557
490250.00	3624566.00	0.61006	490260.00	3624566.00	0.60410
490270.00	3624566.00	0.59767	490280.00	3624566.00	0.59078
490290.00	3624566.00	0.58349	490300.00	3624566.00	0.57579
490310.00	3624566.00	0.56778	490320.00	3624566.00	0.55939
490330.00	3624566.00	0.55077	490340.00	3624566.00	0.54214
490350.00	3624566.00	0.53326	490360.00	3624566.00	0.52418
490370.00	3624566.00	0.51494	490380.00	3624566.00	0.50568
490390.00	3624566.00	0.49625	490400.00	3624566.00	0.48653
490410.00	3624566.00	0.47676	490420.00	3624566.00	0.46714
490430.00	3624566.00	0.45732	490440.00	3624566.00	0.44752
490450.00	3624566.00	0.43763	490460.00	3624566.00	0.42783
490210.00	3624576.00	0.60504	490220.00	3624576.00	0.60142
490230.00	3624576.00	0.59730	490240.00	3624576.00	0.59271
490250.00	3624576.00	0.58764	490260.00	3624576.00	0.58214
490270.00	3624576.00	0.57623	490280.00	3624576.00	0.56986
490290.00	3624576.00	0.56311	490300.00	3624576.00	0.55604
490310.00	3624576.00	0.54861	490320.00	3624576.00	0.54085
490330.00	3624576.00	0.53285	490340.00	3624576.00	0.52487
490350.00	3624576.00	0.51670	490360.00	3624576.00	0.50821
490370.00	3624576.00	0.49961	490380.00	3624576.00	0.49086
490390.00	3624576.00	0.48191	490400.00	3624576.00	0.47270
490410.00	3624576.00	0.46349	490420.00	3624576.00	0.45445
490430.00	3624576.00	0.44525	490440.00	3624576.00	0.43604
490450.00	3624576.00	0.42673	490460.00	3624576.00	0.41751
490210.00	3624586.00	0.58228	490220.00	3624586.00	0.57898
490230.00	3624586.00	0.57523	490240.00	3624586.00	0.57102
490250.00	3624586.00	0.56637	490260.00	3624586.00	0.56129
490270.00	3624586.00	0.55582	490280.00	3624586.00	0.54991
490290.00	3624586.00	0.54372	490300.00	3624586.00	0.53715
490310.00	3624586.00	0.53033	490320.00	3624586.00	0.52313
490330.00	3624586.00	0.51571	490340.00	3624586.00	0.50829
490350.00	3624586.00	0.50064	490360.00	3624586.00	0.49273
490370.00	3624586.00	0.48467	490380.00	3624586.00	0.47644

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: HAULC ***
INCLUDING SOURCE(S): L0000025 , L0000026 , L0000027 , L0000028 , L0000029 ,
L0000030 , L0000031 , L0000032 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
490390.00	3624586.00	0.46806	490400.00	3624586.00	0.45937
490410.00	3624586.00	0.45069	490420.00	3624586.00	0.44232
490430.00	3624586.00	0.43366	490440.00	3624586.00	0.42494
490450.00	3624586.00	0.41613	490460.00	3624586.00	0.40743
490210.00	3624596.00	0.56071	490220.00	3624596.00	0.55772
490230.00	3624596.00	0.55429	490240.00	3624596.00	0.55042
490250.00	3624596.00	0.54616	490260.00	3624596.00	0.54148
490270.00	3624596.00	0.53642	490280.00	3624596.00	0.53097
490290.00	3624596.00	0.52527	490300.00	3624596.00	0.51918
490310.00	3624596.00	0.51287	490320.00	3624596.00	0.50623
490330.00	3624596.00	0.49932	490340.00	3624596.00	0.49241
490350.00	3624596.00	0.48527	490360.00	3624596.00	0.47788
490370.00	3624596.00	0.47032	490380.00	3624596.00	0.46261
490390.00	3624596.00	0.45473	490400.00	3624596.00	0.44653
490410.00	3624596.00	0.43833	490420.00	3624596.00	0.43028
490430.00	3624596.00	0.42213	490440.00	3624596.00	0.41395
490450.00	3624596.00	0.40573	490460.00	3624596.00	0.39757
490210.00	3624606.00	0.54028	490220.00	3624606.00	0.53756
490230.00	3624606.00	0.53443	490240.00	3624606.00	0.53090
490250.00	3624606.00	0.52696	490260.00	3624606.00	0.52265
490270.00	3624606.00	0.51799	490280.00	3624606.00	0.51296
490290.00	3624606.00	0.50767	490300.00	3624606.00	0.50206
490310.00	3624606.00	0.49620	490320.00	3624606.00	0.49005
490330.00	3624606.00	0.48365	490340.00	3624606.00	0.47716
490350.00	3624606.00	0.47056	490360.00	3624606.00	0.46360
490370.00	3624606.00	0.45657	490380.00	3624606.00	0.44934
490390.00	3624606.00	0.44194	490400.00	3624606.00	0.43417
490410.00	3624606.00	0.42642	490420.00	3624606.00	0.41883
490430.00	3624606.00	0.41116	490440.00	3624606.00	0.40346
490450.00	3624606.00	0.39574	490460.00	3624606.00	0.38802
490210.00	3624616.00	0.52089	490220.00	3624616.00	0.51843
490230.00	3624616.00	0.51557	490240.00	3624616.00	0.51233
490250.00	3624616.00	0.50870	490260.00	3624616.00	0.50474
490270.00	3624616.00	0.50043	490280.00	3624616.00	0.49578
490290.00	3624616.00	0.49089	490300.00	3624616.00	0.48572
490310.00	3624616.00	0.48028	490320.00	3624616.00	0.47456
490330.00	3624616.00	0.46860	490340.00	3624616.00	0.46260
490350.00	3624616.00	0.45638	490360.00	3624616.00	0.44990
490370.00	3624616.00	0.44330	490380.00	3624616.00	0.43650
490390.00	3624616.00	0.42954	490400.00	3624616.00	0.42222

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: HAULC ***
INCLUDING SOURCE(S): L0000025 , L0000026 , L0000027 , L0000028 , L0000029 ,
L0000030 , L0000031 , L0000032 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
490410.00	3624616.00	0.41489	490420.00	3624616.00	0.40788
490430.00	3624616.00	0.40069	490440.00	3624616.00	0.39345
490450.00	3624616.00	0.38611	490460.00	3624616.00	0.37876
490307.00	3624461.00	0.84941	490317.00	3624461.00	0.83085
490307.00	3624471.00	0.81532	490317.00	3624471.00	0.79825
490307.00	3624481.00	0.78318	490317.00	3624481.00	0.76745
490307.00	3624491.00	0.75281	490317.00	3624491.00	0.73830
490307.00	3624501.00	0.72409	490317.00	3624501.00	0.71067
490307.00	3624511.00	0.69684	490317.00	3624511.00	0.68448
490307.00	3624521.00	0.67103	490317.00	3624521.00	0.65952
490276.00	3624433.00	1.02555	490286.00	3624433.00	1.00412
490296.00	3624433.00	0.98188	490276.00	3624443.00	0.97925
490286.00	3624443.00	0.95966	490296.00	3624443.00	0.93932
490276.00	3624453.00	0.93598	490286.00	3624453.00	0.91803
490296.00	3624453.00	0.89939	490276.00	3624463.00	0.89547
490286.00	3624463.00	0.87904	490296.00	3624463.00	0.86191
490276.00	3624473.00	0.85749	490286.00	3624473.00	0.84243
490296.00	3624473.00	0.82666	490276.00	3624481.00	0.82878
490286.00	3624481.00	0.81473	490296.00	3624481.00	0.79998
490276.00	3624491.00	0.79480	490286.00	3624491.00	0.78188
490296.00	3624491.00	0.76832	490276.00	3624501.00	0.76281
490286.00	3624501.00	0.75088	490296.00	3624501.00	0.73838
490276.00	3624511.00	0.73265	490286.00	3624511.00	0.72164
490296.00	3624511.00	0.71006	490276.00	3624521.00	0.70416
490286.00	3624521.00	0.69400	490296.00	3624521.00	0.68326
490279.00	3624525.00	0.69031	490289.00	3624525.00	0.68028
490299.00	3624525.00	0.66973	490309.00	3624525.00	0.65889
490319.00	3624525.00	0.64755	490279.00	3624535.00	0.66419
490289.00	3624535.00	0.65490	490299.00	3624535.00	0.64513
490309.00	3624535.00	0.63501	490319.00	3624535.00	0.62445
490279.00	3624545.00	0.63939	490289.00	3624545.00	0.63080
490299.00	3624545.00	0.62178	490309.00	3624545.00	0.61240
490319.00	3624545.00	0.60264	490298.00	3624431.00	0.98608
490298.00	3624441.00	0.94338	490308.00	3624441.00	0.92189
490318.00	3624441.00	0.89988	490298.00	3624451.00	0.90330
490308.00	3624451.00	0.88360	490318.00	3624451.00	0.86333

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: MOD ***
INCLUDING SOURCE(S): L0000481 , L0000482 , L0000483 , L0000484 , L0000485 ,
L0000486 , L0000487 , L0000488 , L0000489 , L0000490 , L0000491 , L0000492 , L0000493 ,
L0000494 , L0000495 , L0000496 , L0000497 , L0000498 , L0000499 , L0000500 , L0000501 ,
L0000502 , L0000503 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
489960.00	3624026.00	0.22730	490010.00	3624026.00	0.25052
490060.00	3624026.00	0.27479	490110.00	3624026.00	0.29937
490160.00	3624026.00	0.32328	490210.00	3624026.00	0.34585
490260.00	3624026.00	0.36793	490310.00	3624026.00	0.38929
490360.00	3624026.00	0.41365	490410.00	3624026.00	0.43969
490460.00	3624026.00	0.47008	490510.00	3624026.00	0.49822
490560.00	3624026.00	0.52164	490610.00	3624026.00	0.53646
490660.00	3624026.00	0.54047	490710.00	3624026.00	0.53380
489960.00	3624076.00	0.25986	490010.00	3624076.00	0.29092
490060.00	3624076.00	0.32416	490110.00	3624076.00	0.35881
490160.00	3624076.00	0.39309	490210.00	3624076.00	0.42589
490260.00	3624076.00	0.45783	490310.00	3624076.00	0.48938
490360.00	3624076.00	0.52564	490410.00	3624076.00	0.56567
490460.00	3624076.00	0.60888	490510.00	3624076.00	0.64502
490560.00	3624076.00	0.66976	490610.00	3624076.00	0.67818
490660.00	3624076.00	0.66924	490710.00	3624076.00	0.64597
489960.00	3624126.00	0.29836	490010.00	3624126.00	0.34001
490060.00	3624126.00	0.38695	490110.00	3624126.00	0.43738
490160.00	3624126.00	0.48879	490210.00	3624126.00	0.53839
490260.00	3624126.00	0.58742	490310.00	3624126.00	0.63676
490360.00	3624126.00	0.69326	490410.00	3624126.00	0.75655
490460.00	3624126.00	0.81749	490510.00	3624126.00	0.85887
490560.00	3624126.00	0.87508	490610.00	3624126.00	0.86321
490660.00	3624126.00	0.82749	490710.00	3624126.00	0.77537
489960.00	3624176.00	0.34354	490010.00	3624176.00	0.40015
490060.00	3624176.00	0.46755	490110.00	3624176.00	0.54363
490160.00	3624176.00	0.62472	490210.00	3624176.00	0.70553
490260.00	3624176.00	0.78428	490310.00	3624176.00	0.86372
490360.00	3624176.00	0.95992	490410.00	3624176.00	1.06290
490460.00	3624176.00	1.14220	490510.00	3624176.00	1.17408
490560.00	3624176.00	1.15533	490610.00	3624176.00	1.09676
490660.00	3624176.00	1.01198	490710.00	3624176.00	0.91508
489960.00	3624226.00	0.39539	490010.00	3624226.00	0.47312
490060.00	3624226.00	0.57135	490110.00	3624226.00	0.69018
490160.00	3624226.00	0.82514	490210.00	3624226.00	0.96740
490260.00	3624226.00	1.10764	490310.00	3624226.00	1.25394
490360.00	3624226.00	1.42974	490410.00	3624226.00	1.58822
490460.00	3624226.00	1.65450	490510.00	3624226.00	1.62808
490560.00	3624226.00	1.51993	490610.00	3624226.00	1.37143
490660.00	3624226.00	1.20848	490710.00	3624226.00	1.05047

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: MOD ***
INCLUDING SOURCE(S): L0000481 , L0000482 , L0000483 , L0000484 , L0000485 ,
L0000486 , L0000487 , L0000488 , L0000489 , L0000490 , L0000491 , L0000492 , L0000493 ,
L0000494 , L0000495 , L0000496 , L0000497 , L0000498 , L0000499 , L0000500 , L0000501 ,
L0000502 , L0000503 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
489960.00	3624276.00	0.45275	490010.00	3624276.00	0.55866
490060.00	3624276.00	0.70347	490110.00	3624276.00	0.89347
490160.00	3624276.00	1.13266	490210.00	3624276.00	1.41121
490260.00	3624276.00	1.69632	490310.00	3624276.00	2.00655
490360.00	3624276.00	2.34448	490410.00	3624276.00	2.51900
490460.00	3624276.00	2.45557	490510.00	3624276.00	2.23961
490560.00	3624276.00	1.95050	490610.00	3624276.00	1.65670
490660.00	3624276.00	1.38863	490710.00	3624276.00	1.16015
489960.00	3624326.00	0.50996	490010.00	3624326.00	0.65139
490060.00	3624326.00	0.86276	490110.00	3624326.00	1.16995
490160.00	3624326.00	1.61820	490210.00	3624326.00	2.24499
490260.00	3624326.00	2.96506	490310.00	3624326.00	3.75491
490360.00	3624326.00	4.36246	490410.00	3624326.00	4.19362
490460.00	3624326.00	3.61215	490510.00	3624326.00	2.96789
490560.00	3624326.00	2.37703	490610.00	3624326.00	1.89406
490660.00	3624326.00	1.51374	490710.00	3624326.00	1.22079
489960.00	3624376.00	0.56483	490010.00	3624376.00	0.74885
490060.00	3624376.00	1.03933	490110.00	3624376.00	1.51921
490160.00	3624376.00	2.37235	490410.00	3624376.00	6.83923
490460.00	3624376.00	4.96830	490510.00	3624376.00	3.62571
490560.00	3624376.00	2.67534	490610.00	3624376.00	2.01515
490660.00	3624376.00	1.54985	490710.00	3624376.00	1.21623
489960.00	3624426.00	0.60586	490010.00	3624426.00	0.82264
490060.00	3624426.00	1.18481	490110.00	3624426.00	1.85635
490160.00	3624426.00	3.22701	490410.00	3624426.00	9.64864
490460.00	3624426.00	5.94045	490510.00	3624426.00	3.87560
490560.00	3624426.00	2.73164	490610.00	3624426.00	1.97592
490660.00	3624426.00	1.48351	490710.00	3624426.00	1.14694
489960.00	3624476.00	0.62689	490010.00	3624476.00	0.86204
490060.00	3624476.00	1.25866	490110.00	3624476.00	2.04451
490160.00	3624476.00	3.71259	490410.00	3624476.00	10.33034
490460.00	3624476.00	5.76994	490510.00	3624476.00	3.62285
490560.00	3624476.00	2.51556	490610.00	3624476.00	1.79216
490660.00	3624476.00	1.33849	490710.00	3624476.00	1.03313
489960.00	3624526.00	0.62172	490010.00	3624526.00	0.84472
490060.00	3624526.00	1.23391	490110.00	3624526.00	1.96433
490160.00	3624526.00	3.57862	490410.00	3624526.00	9.36357
490460.00	3624526.00	4.87587	490510.00	3624526.00	2.98056
490560.00	3624526.00	2.13609	490610.00	3624526.00	1.54056
490660.00	3624526.00	1.16204	490710.00	3624526.00	0.90540

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: MOD ***
INCLUDING SOURCE(S): L0000481 , L0000482 , L0000483 , L0000484 , L0000485 ,
L0000486 , L0000487 , L0000488 , L0000489 , L0000490 , L0000491 , L0000492 , L0000493 ,
L0000494 , L0000495 , L0000496 , L0000497 , L0000498 , L0000499 , L0000500 , L0000501 ,
L0000502 , L0000503 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
489960.00	3624576.00	0.58920	490010.00	3624576.00	0.78969
490060.00	3624576.00	1.11368	490110.00	3624576.00	1.69726
490160.00	3624576.00	2.95445	490210.00	3624576.00	6.08463
490260.00	3624576.00	15.40523	490310.00	3624576.00	23.36471
490360.00	3624576.00	12.28530	490410.00	3624576.00	6.41243
490460.00	3624576.00	3.81999	490510.00	3624576.00	2.33653
490560.00	3624576.00	1.66261	490610.00	3624576.00	1.30483
490660.00	3624576.00	1.00051	490710.00	3624576.00	0.79022
489960.00	3624626.00	0.54388	490010.00	3624626.00	0.71024
490060.00	3624626.00	0.96220	490110.00	3624626.00	1.39304
490160.00	3624626.00	2.19616	490210.00	3624626.00	3.65121
490260.00	3624626.00	5.98820	490310.00	3624626.00	7.49924
490360.00	3624626.00	6.25032	490410.00	3624626.00	4.23456
490460.00	3624626.00	2.88197	490510.00	3624626.00	2.00321
490560.00	3624626.00	1.37167	490610.00	3624626.00	1.09882
490660.00	3624626.00	0.87452	490710.00	3624626.00	0.69981
489960.00	3624676.00	0.49051	490010.00	3624676.00	0.62310
490060.00	3624676.00	0.81898	490110.00	3624676.00	1.12384
490160.00	3624676.00	1.59987	490210.00	3624676.00	2.32176
490260.00	3624676.00	3.19500	490310.00	3624676.00	3.76566
490360.00	3624676.00	3.57525	490410.00	3624676.00	2.83817
490460.00	3624676.00	2.05559	490510.00	3624676.00	1.56613
490560.00	3624676.00	1.19432	490610.00	3624676.00	0.90363
490660.00	3624676.00	0.77112	490710.00	3624676.00	0.63162
489960.00	3624726.00	0.43657	490010.00	3624726.00	0.54205
490060.00	3624726.00	0.68774	490110.00	3624726.00	0.89625
490160.00	3624726.00	1.19395	490210.00	3624726.00	1.58860
490260.00	3624726.00	1.99943	490310.00	3624726.00	2.25947
490360.00	3624726.00	2.25873	490410.00	3624726.00	1.98583
490460.00	3624726.00	1.66754	490510.00	3624726.00	1.35618
490560.00	3624726.00	1.07860	490610.00	3624726.00	0.79650
490660.00	3624726.00	0.64590	490710.00	3624726.00	0.57351
489960.00	3624776.00	0.38739	490010.00	3624776.00	0.46965
490060.00	3624776.00	0.57887	490110.00	3624776.00	0.72688
490160.00	3624776.00	0.92014	490210.00	3624776.00	1.15070
490260.00	3624776.00	1.37777	490310.00	3624776.00	1.53617
490360.00	3624776.00	1.56735	490410.00	3624776.00	1.46714
490460.00	3624776.00	1.30309	490510.00	3624776.00	1.10885
490560.00	3624776.00	0.92338	490610.00	3624776.00	0.75794
490660.00	3624776.00	0.58072	490710.00	3624776.00	0.48718

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: MOD ***
INCLUDING SOURCE(S): L0000481 , L0000482 , L0000483 , L0000484 , L0000485 ,
L0000486 , L0000487 , L0000488 , L0000489 , L0000490 , L0000491 , L0000492 , L0000493 ,
L0000494 , L0000495 , L0000496 , L0000497 , L0000498 , L0000499 , L0000500 , L0000501 ,
L0000502 , L0000503 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
489960.00	3624826.00	0.33878	490010.00	3624826.00	0.40380
490060.00	3624826.00	0.48674	490110.00	3624826.00	0.59063
490160.00	3624826.00	0.72471	490210.00	3624826.00	0.87045
490260.00	3624826.00	1.01002	490310.00	3624826.00	1.10891
490360.00	3624826.00	1.14309	490410.00	3624826.00	1.10591
490460.00	3624826.00	1.01896	490510.00	3624826.00	0.90454
490560.00	3624826.00	0.78337	490610.00	3624826.00	0.66937
490660.00	3624826.00	0.55596	490710.00	3624826.00	0.44257
489960.00	3624876.00	0.30019	490010.00	3624876.00	0.34960
490060.00	3624876.00	0.41381	490110.00	3624876.00	0.49300
490160.00	3624876.00	0.58491	490210.00	3624876.00	0.68284
490260.00	3624876.00	0.77359	490310.00	3624876.00	0.83927
490360.00	3624876.00	0.86783	490410.00	3624876.00	0.85605
490460.00	3624876.00	0.81039	490510.00	3624876.00	0.74203
490560.00	3624876.00	0.66300	490610.00	3624876.00	0.58291
490660.00	3624876.00	0.50146	490710.00	3624876.00	0.40774
490210.00	3624326.00	2.24499	490220.00	3624326.00	2.37938
490230.00	3624326.00	2.51918	490240.00	3624326.00	2.66358
490250.00	3624326.00	2.81676	490260.00	3624326.00	2.96506
490270.00	3624326.00	3.11100	490280.00	3624326.00	3.26095
490290.00	3624326.00	3.41909	490300.00	3624326.00	3.58618
490310.00	3624326.00	3.75491	490320.00	3624326.00	3.91890
490330.00	3624326.00	4.06977	490340.00	3624326.00	4.19799
490350.00	3624326.00	4.29528	490360.00	3624326.00	4.36246
490370.00	3624326.00	4.39218	490380.00	3624326.00	4.38421
490390.00	3624326.00	4.34360	490400.00	3624326.00	4.27997
490410.00	3624326.00	4.19362	490420.00	3624326.00	4.08666
490430.00	3624326.00	3.98121	490440.00	3624326.00	3.86542
490450.00	3624326.00	3.73994	490460.00	3624326.00	3.61215
490210.00	3624336.00	2.49500	490220.00	3624336.00	2.66011
490230.00	3624336.00	2.83176	490240.00	3624336.00	3.01278
490250.00	3624336.00	3.20904	490260.00	3624336.00	3.39524
490270.00	3624336.00	3.57816	490280.00	3624336.00	3.76703
490290.00	3624336.00	3.96685	490300.00	3624336.00	4.17570
490310.00	3624336.00	4.38293	490320.00	3624336.00	4.57945
490330.00	3624336.00	4.75102	490340.00	3624336.00	4.88521
490350.00	3624336.00	4.97213	490360.00	3624336.00	5.01845
490370.00	3624336.00	5.01751	490380.00	3624336.00	4.97236
490390.00	3624336.00	4.88914	490400.00	3624336.00	4.77956
490410.00	3624336.00	4.64707	490420.00	3624336.00	4.49969

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: MOD ***
INCLUDING SOURCE(S): L0000481 , L0000482 , L0000483 , L0000484 , L0000485 ,
L0000486 , L0000487 , L0000488 , L0000489 , L0000490 , L0000491 , L0000492 , L0000493 ,
L0000494 , L0000495 , L0000496 , L0000497 , L0000498 , L0000499 , L0000500 , L0000501 ,
L0000502 , L0000503 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
490430.00	3624336.00	4.35608	490440.00	3624336.00	4.20090
490450.00	3624336.00	4.04019	490460.00	3624336.00	3.88034
490210.00	3624346.00	2.78613	490220.00	3624346.00	2.99533
490230.00	3624346.00	3.21675	490240.00	3624346.00	3.44728
490250.00	3624346.00	3.69172	490260.00	3624346.00	3.93077
490270.00	3624346.00	4.16541	490280.00	3624346.00	4.40932
490290.00	3624346.00	4.66536	490300.00	3624346.00	4.92921
490310.00	3624346.00	5.18512	490320.00	3624346.00	5.41851
490330.00	3624346.00	5.60596	490340.00	3624346.00	5.73424
490350.00	3624346.00	5.79326	490360.00	3624346.00	5.79847
490370.00	3624346.00	5.74703	490380.00	3624346.00	5.64344
490390.00	3624346.00	5.50011	490400.00	3624346.00	5.33000
490410.00	3624346.00	5.14057	490420.00	3624346.00	4.94545
490430.00	3624346.00	4.75230	490440.00	3624346.00	4.55290
490450.00	3624346.00	4.35284	490460.00	3624346.00	4.15714
490210.00	3624356.00	3.12303	490220.00	3624356.00	3.39476
490230.00	3624356.00	3.68322	490240.00	3624356.00	3.98435
490250.00	3624356.00	4.29593	490260.00	3624356.00	4.60985
490270.00	3624356.00	4.92258	490280.00	3624356.00	5.24446
490290.00	3624356.00	5.57642	490300.00	3624356.00	5.91409
490310.00	3624356.00	6.23166	490320.00	3624356.00	6.50075
490330.00	3624356.00	6.68976	490340.00	3624356.00	6.78642
490350.00	3624356.00	6.79142	490360.00	3624356.00	6.72315
490370.00	3624356.00	6.59150	490380.00	3624356.00	6.40366
490390.00	3624356.00	6.18094	490400.00	3624356.00	5.93633
490410.00	3624356.00	5.67681	490420.00	3624356.00	5.42198
490430.00	3624356.00	5.16763	490440.00	3624356.00	4.91633
490450.00	3624356.00	4.67176	490460.00	3624356.00	4.43559
490210.00	3624366.00	3.51217	490220.00	3624366.00	3.86353
490230.00	3624366.00	4.24256	490240.00	3624366.00	4.64478
490250.00	3624366.00	5.06488	490370.00	3624366.00	7.55903
490380.00	3624366.00	7.25957	490390.00	3624366.00	6.93044
490400.00	3624366.00	6.58993	490410.00	3624366.00	6.24966
490420.00	3624366.00	5.91613	490430.00	3624366.00	5.59308
490440.00	3624366.00	5.28418	490450.00	3624366.00	4.98982
490460.00	3624366.00	4.70896	490210.00	3624376.00	3.96957
490220.00	3624376.00	4.41824	490230.00	3624376.00	4.91994
490240.00	3624376.00	5.46735	490250.00	3624376.00	6.05645
490370.00	3624376.00	8.65605	490380.00	3624376.00	8.20479
490390.00	3624376.00	7.74028	490400.00	3624376.00	7.28250

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: MOD ***
INCLUDING SOURCE(S): L0000481 , L0000482 , L0000483 , L0000484 , L0000485 ,
L0000486 , L0000487 , L0000488 , L0000489 , L0000490 , L0000491 , L0000492 , L0000493 ,
L0000494 , L0000495 , L0000496 , L0000497 , L0000498 , L0000499 , L0000500 , L0000501 ,
L0000502 , L0000503 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
490410.00	3624376.00	6.83923	490420.00	3624376.00	6.42043
490430.00	3624376.00	6.01918	490440.00	3624376.00	5.64402
490450.00	3624376.00	5.29649	490460.00	3624376.00	4.96830
490210.00	3624386.00	4.47976	490220.00	3624386.00	5.03460
490230.00	3624386.00	5.70074	490240.00	3624386.00	6.45921
490250.00	3624386.00	7.32348	490370.00	3624386.00	9.87605
490380.00	3624386.00	9.23352	490390.00	3624386.00	8.60389
490400.00	3624386.00	8.00659	490410.00	3624386.00	7.44591
490420.00	3624386.00	6.93325	490430.00	3624386.00	6.44708
490440.00	3624386.00	5.98887	490450.00	3624386.00	5.58530
490460.00	3624386.00	5.21138	490210.00	3624396.00	5.05657
490220.00	3624396.00	5.78519	490230.00	3624396.00	6.67077
490240.00	3624396.00	7.72441	490250.00	3624396.00	9.02974
490370.00	3624396.00	11.17236	490380.00	3624396.00	10.31078
490390.00	3624396.00	9.48873	490400.00	3624396.00	8.73675
490410.00	3624396.00	8.05428	490420.00	3624396.00	7.42930
490430.00	3624396.00	6.85982	490440.00	3624396.00	6.32271
490450.00	3624396.00	5.85402	490460.00	3624396.00	5.43377
490210.00	3624406.00	5.68836	490220.00	3624406.00	6.62336
490230.00	3624406.00	7.81364	490240.00	3624406.00	9.25051
490250.00	3624406.00	11.31337	490370.00	3624406.00	12.51361
490380.00	3624406.00	11.40649	490390.00	3624406.00	10.37306
490400.00	3624406.00	9.45514	490410.00	3624406.00	8.63519
490420.00	3624406.00	7.89863	490430.00	3624406.00	7.24748
490440.00	3624406.00	6.64460	490450.00	3624406.00	6.10237
490460.00	3624406.00	5.62846	490210.00	3624416.00	6.35119
490220.00	3624416.00	7.53391	490230.00	3624416.00	9.15048
490240.00	3624416.00	11.20532	490250.00	3624416.00	14.31509
490370.00	3624416.00	13.84044	490380.00	3624416.00	12.45846
490390.00	3624416.00	11.21652	490400.00	3624416.00	10.12765
490410.00	3624416.00	9.16899	490420.00	3624416.00	8.33142
490430.00	3624416.00	7.59402	490440.00	3624416.00	6.93235
490450.00	3624416.00	6.32511	490460.00	3624416.00	5.79724
490210.00	3624426.00	6.98885	490220.00	3624426.00	8.43032
490230.00	3624426.00	10.37834	490240.00	3624426.00	13.30039
490250.00	3624426.00	18.02681	490370.00	3624426.00	15.10153
490380.00	3624426.00	13.43647	490390.00	3624426.00	11.98039
490400.00	3624426.00	10.73273	490410.00	3624426.00	9.64864
490420.00	3624426.00	8.71125	490430.00	3624426.00	7.88753
490440.00	3624426.00	7.16601	490450.00	3624426.00	6.52406

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: MOD ***
INCLUDING SOURCE(S): L0000481 , L0000482 , L0000483 , L0000484 , L0000485 ,
L0000486 , L0000487 , L0000488 , L0000489 , L0000490 , L0000491 , L0000492 , L0000493 ,
L0000494 , L0000495 , L0000496 , L0000497 , L0000498 , L0000499 , L0000500 , L0000501 ,
L0000502 , L0000503 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
490460.00	3624426.00	5.94045	490210.00	3624436.00	7.58415
490220.00	3624436.00	9.32093	490230.00	3624436.00	11.71720
490240.00	3624436.00	15.59504	490250.00	3624436.00	22.04081
490370.00	3624436.00	16.23430	490380.00	3624436.00	14.30872
490390.00	3624436.00	12.65228	490400.00	3624436.00	11.24975
490410.00	3624436.00	10.04997	490420.00	3624436.00	9.02200
490430.00	3624436.00	8.10988	490440.00	3624436.00	7.33783
490450.00	3624436.00	6.66300	490460.00	3624436.00	6.04636
490210.00	3624446.00	8.18850	490220.00	3624446.00	10.20892
490230.00	3624446.00	13.20619	490240.00	3624446.00	17.98174
490250.00	3624446.00	25.73266	490370.00	3624446.00	17.23554
490380.00	3624446.00	15.03948	490390.00	3624446.00	13.21088
490400.00	3624446.00	11.66896	490410.00	3624446.00	10.36092
490420.00	3624446.00	9.24535	490430.00	3624446.00	8.28103
490440.00	3624446.00	7.45125	490450.00	3624446.00	6.73430
490460.00	3624446.00	6.09214	490210.00	3624456.00	8.67230
490220.00	3624456.00	10.88555	490230.00	3624456.00	14.11309
490240.00	3624456.00	19.57593	490250.00	3624456.00	28.49718
490370.00	3624456.00	18.08738	490380.00	3624456.00	15.68616
490390.00	3624456.00	13.66863	490400.00	3624456.00	11.98130
490410.00	3624456.00	10.57824	490420.00	3624456.00	9.39695
490430.00	3624456.00	8.37828	490440.00	3624456.00	7.50646
490450.00	3624456.00	6.74973	490460.00	3624456.00	6.07142
490210.00	3624466.00	9.07596	490220.00	3624466.00	11.48101
490230.00	3624466.00	15.14733	490240.00	3624466.00	21.02588
490250.00	3624466.00	30.51851	490370.00	3624466.00	18.73630
490380.00	3624466.00	16.12803	490390.00	3624466.00	13.89985
490400.00	3624466.00	12.05739	490410.00	3624466.00	10.56988
490420.00	3624466.00	9.35351	490430.00	3624466.00	8.32079
490440.00	3624466.00	7.45346	490450.00	3624466.00	6.66734
490460.00	3624466.00	5.97394	490210.00	3624476.00	9.35117
490220.00	3624476.00	11.93818	490230.00	3624476.00	15.98523
490240.00	3624476.00	22.07652	490250.00	3624476.00	31.78656
490370.00	3624476.00	19.15075	490380.00	3624476.00	16.31904
490390.00	3624476.00	13.97963	490400.00	3624476.00	12.05231
490410.00	3624476.00	10.33034	490420.00	3624476.00	9.03728
490430.00	3624476.00	8.04605	490440.00	3624476.00	7.18441
490450.00	3624476.00	6.44241	490460.00	3624476.00	5.76994
490210.00	3624486.00	9.51426	490220.00	3624486.00	12.20638
490230.00	3624486.00	16.30672	490240.00	3624486.00	22.67990

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: MOD ***
INCLUDING SOURCE(S): L0000481 , L0000482 , L0000483 , L0000484 , L0000485 ,
L0000486 , L0000487 , L0000488 , L0000489 , L0000490 , L0000491 , L0000492 , L0000493 ,
L0000494 , L0000495 , L0000496 , L0000497 , L0000498 , L0000499 , L0000500 , L0000501 ,
L0000502 , L0000503 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
490250.00	3624486.00	32.46185	490380.00	3624486.00	16.49552
490390.00	3624486.00	14.05396	490400.00	3624486.00	11.92932
490410.00	3624486.00	9.77725	490420.00	3624486.00	8.51271
490430.00	3624486.00	7.52581	490440.00	3624486.00	6.71635
490450.00	3624486.00	6.02354	490460.00	3624486.00	5.47074
490210.00	3624496.00	9.61769	490220.00	3624496.00	12.44629
490230.00	3624496.00	16.47239	490240.00	3624496.00	22.88436
490250.00	3624496.00	32.62006	490390.00	3624496.00	14.00249
490400.00	3624496.00	11.87419	490410.00	3624496.00	9.98319
490420.00	3624496.00	8.69021	490430.00	3624496.00	7.59789
490440.00	3624496.00	6.63315	490450.00	3624496.00	5.86112
490460.00	3624496.00	5.20734	490210.00	3624506.00	9.56243
490220.00	3624506.00	12.37004	490230.00	3624506.00	16.48485
490240.00	3624506.00	22.59807	490250.00	3624506.00	32.32299
490400.00	3624506.00	11.80870	490410.00	3624506.00	10.21782
490420.00	3624506.00	8.89587	490430.00	3624506.00	7.69509
490440.00	3624506.00	6.75453	490450.00	3624506.00	5.91387
490460.00	3624506.00	5.16808	490210.00	3624516.00	9.37620
490220.00	3624516.00	12.11668	490230.00	3624516.00	15.92367
490240.00	3624516.00	21.82475	490250.00	3624516.00	31.26393
490410.00	3624516.00	9.83795	490420.00	3624516.00	8.55215
490430.00	3624516.00	7.44916	490440.00	3624516.00	6.55559
490450.00	3624516.00	5.78386	490460.00	3624516.00	5.08644
490210.00	3624526.00	9.03434	490220.00	3624526.00	11.59114
490230.00	3624526.00	15.17785	490240.00	3624526.00	20.57131
490250.00	3624526.00	29.32750	490410.00	3624526.00	9.36357
490420.00	3624526.00	8.15383	490430.00	3624526.00	7.11775
490440.00	3624526.00	6.27189	490450.00	3624526.00	5.54533
490460.00	3624526.00	4.87587	490210.00	3624536.00	8.55491
490220.00	3624536.00	10.79673	490230.00	3624536.00	14.07402
490240.00	3624536.00	18.74374	490250.00	3624536.00	26.42329
490410.00	3624536.00	8.82054	490420.00	3624536.00	7.68406
490430.00	3624536.00	6.73286	490440.00	3624536.00	5.95321
490450.00	3624536.00	5.30439	490460.00	3624536.00	4.69828
490210.00	3624546.00	7.99700	490220.00	3624546.00	9.90945
490230.00	3624546.00	12.65719	490240.00	3624546.00	16.61390
490250.00	3624546.00	22.77902	490410.00	3624546.00	8.22251
490420.00	3624546.00	7.19481	490430.00	3624546.00	6.33434
490440.00	3624546.00	5.62361	490450.00	3624546.00	5.01918
490460.00	3624546.00	4.50137	490210.00	3624556.00	7.35448

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: MOD ***
INCLUDING SOURCE(S): L0000481 , L0000482 , L0000483 , L0000484 , L0000485 ,
L0000486 , L0000487 , L0000488 , L0000489 , L0000490 , L0000491 , L0000492 , L0000493 ,
L0000494 , L0000495 , L0000496 , L0000497 , L0000498 , L0000499 , L0000500 , L0000501 ,
L0000502 , L0000503 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
490220.00	3624556.00	9.03236	490230.00	3624556.00	11.30127
490240.00	3624556.00	14.46873	490250.00	3624556.00	19.00373
490410.00	3624556.00	7.59869	490420.00	3624556.00	6.70241
490430.00	3624556.00	5.93843	490440.00	3624556.00	5.29750
490450.00	3624556.00	4.74821	490460.00	3624556.00	4.27059
490210.00	3624566.00	6.75818	490220.00	3624566.00	8.16454
490230.00	3624566.00	9.99702	490240.00	3624566.00	12.41030
490250.00	3624566.00	15.60699	490260.00	3624566.00	19.77453
490270.00	3624566.00	24.85812	490280.00	3624566.00	30.04872
490290.00	3624566.00	33.76677	490300.00	3624566.00	34.88738
490310.00	3624566.00	33.18142	490320.00	3624566.00	29.13439
490330.00	3624566.00	24.37226	490340.00	3624566.00	20.26638
490350.00	3624566.00	16.90049	490360.00	3624566.00	14.23232
490370.00	3624566.00	12.12086	490380.00	3624566.00	10.45497
490390.00	3624566.00	9.08888	490400.00	3624566.00	7.93733
490410.00	3624566.00	6.98640	490420.00	3624566.00	6.20901
490430.00	3624566.00	5.53705	490440.00	3624566.00	4.96597
490450.00	3624566.00	4.47021	490460.00	3624566.00	4.04473
490210.00	3624576.00	6.08463	490220.00	3624576.00	7.21429
490230.00	3624576.00	8.67499	490240.00	3624576.00	10.45872
490250.00	3624576.00	12.72020	490260.00	3624576.00	15.40523
490270.00	3624576.00	18.37418	490280.00	3624576.00	21.25589
490290.00	3624576.00	23.31089	490300.00	3624576.00	24.09068
490310.00	3624576.00	23.36471	490320.00	3624576.00	21.40846
490330.00	3624576.00	18.87612	490340.00	3624576.00	16.44077
490350.00	3624576.00	14.22647	490360.00	3624576.00	12.28530
490370.00	3624576.00	10.68002	490380.00	3624576.00	9.33521
490390.00	3624576.00	8.20003	490400.00	3624576.00	7.22553
490410.00	3624576.00	6.41243	490420.00	3624576.00	5.74034
490430.00	3624576.00	5.15371	490440.00	3624576.00	4.64762
490450.00	3624576.00	4.20358	490460.00	3624576.00	3.81999
490210.00	3624586.00	5.47614	490220.00	3624586.00	6.41988
490230.00	3624586.00	7.53522	490240.00	3624586.00	8.88124
490250.00	3624586.00	10.46794	490260.00	3624586.00	12.28306
490270.00	3624586.00	14.15843	490280.00	3624586.00	15.89115
490290.00	3624586.00	17.13567	490300.00	3624586.00	17.67286
490310.00	3624586.00	17.42054	490320.00	3624586.00	16.42277
490330.00	3624586.00	14.99535	490340.00	3624586.00	13.49600
490350.00	3624586.00	11.99786	490360.00	3624586.00	10.60499
490370.00	3624586.00	9.38269	490380.00	3624586.00	8.31685

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: MOD ***
INCLUDING SOURCE(S): L0000481 , L0000482 , L0000483 , L0000484 , L0000485 ,
L0000486 , L0000487 , L0000488 , L0000489 , L0000490 , L0000491 , L0000492 , L0000493 ,
L0000494 , L0000495 , L0000496 , L0000497 , L0000498 , L0000499 , L0000500 , L0000501 ,
L0000502 , L0000503 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
490390.00	3624586.00	7.39541	490400.00	3624586.00	6.57873
490410.00	3624586.00	5.88693	490420.00	3624586.00	5.31694
490430.00	3624586.00	4.80284	490440.00	3624586.00	4.35165
490450.00	3624586.00	3.95223	490460.00	3624586.00	3.60621
490210.00	3624596.00	4.95391	490220.00	3624596.00	5.71049
490230.00	3624596.00	6.58604	490240.00	3624596.00	7.60988
490250.00	3624596.00	8.74856	490260.00	3624596.00	10.00281
490270.00	3624596.00	11.25298	490280.00	3624596.00	12.37162
490290.00	3624596.00	13.19651	490300.00	3624596.00	13.59671
490310.00	3624596.00	13.53956	490320.00	3624596.00	13.02320
490330.00	3624596.00	12.18542	490340.00	3624596.00	11.23377
490350.00	3624596.00	10.21474	490360.00	3624596.00	9.20827
490370.00	3624596.00	8.27674	490380.00	3624596.00	7.43601
490390.00	3624596.00	6.68458	490400.00	3624596.00	6.00072
490410.00	3624596.00	5.40968	490420.00	3624596.00	4.90672
490430.00	3624596.00	4.45962	490440.00	3624596.00	4.06464
490450.00	3624596.00	3.71363	490460.00	3624596.00	3.40441
490210.00	3624606.00	4.46923	490220.00	3624606.00	5.06950
490230.00	3624606.00	5.76380	490240.00	3624606.00	6.54124
490250.00	3624606.00	7.40690	490260.00	3624606.00	8.29749
490270.00	3624606.00	9.16992	490280.00	3624606.00	9.94197
490290.00	3624606.00	10.52084	490300.00	3624606.00	10.83786
490310.00	3624606.00	10.86470	490320.00	3624606.00	10.59708
490330.00	3624606.00	10.09366	490340.00	3624606.00	9.47014
490350.00	3624606.00	8.78557	490360.00	3624606.00	8.04372
490370.00	3624606.00	7.34240	490380.00	3624606.00	6.67576
490390.00	3624606.00	6.06136	490400.00	3624606.00	5.48504
490410.00	3624606.00	4.98080	490420.00	3624606.00	4.54703
490430.00	3624606.00	4.15679	490440.00	3624606.00	3.80869
490450.00	3624606.00	3.49705	490460.00	3624606.00	3.21833
490210.00	3624616.00	4.03933	490220.00	3624616.00	4.52964
490230.00	3624616.00	5.08052	490240.00	3624616.00	5.68724
490250.00	3624616.00	6.34308	490260.00	3624616.00	7.00009
490270.00	3624616.00	7.63298	490280.00	3624616.00	8.19011
490290.00	3624616.00	8.61808	490300.00	3624616.00	8.87587
490310.00	3624616.00	8.93736	490320.00	3624616.00	8.79987
490330.00	3624616.00	8.49088	490340.00	3624616.00	8.09104
490350.00	3624616.00	7.60990	490360.00	3624616.00	7.06975
490370.00	3624616.00	6.53734	490380.00	3624616.00	6.00609
490390.00	3624616.00	5.50238	490400.00	3624616.00	5.02132

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: MOD ***
INCLUDING SOURCE(S): L0000481 , L0000482 , L0000483 , L0000484 , L0000485 ,
L0000486 , L0000487 , L0000488 , L0000489 , L0000490 , L0000491 , L0000492 , L0000493 ,
L0000494 , L0000495 , L0000496 , L0000497 , L0000498 , L0000499 , L0000500 , L0000501 ,
L0000502 , L0000503 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
490410.00	3624616.00	4.59140	490420.00	3624616.00	4.22572
490430.00	3624616.00	3.88685	490440.00	3624616.00	3.57983
490450.00	3624616.00	3.29893	490460.00	3624616.00	3.04566
490307.00	3624461.00	75.39566	490317.00	3624461.00	55.20331
490307.00	3624471.00	78.29060	490317.00	3624471.00	57.81820
490307.00	3624481.00	80.47375	490317.00	3624481.00	59.95988
490307.00	3624491.00	82.47935	490317.00	3624491.00	62.02374
490307.00	3624501.00	85.06256	490317.00	3624501.00	64.86364
490307.00	3624511.00	89.99254	490317.00	3624511.00	70.28494
490307.00	3624521.00	90.62752	490317.00	3624521.00	67.27469
490276.00	3624433.00	33.04310	490286.00	3624433.00	30.22250
490296.00	3624433.00	41.94978	490276.00	3624443.00	38.30818
490286.00	3624443.00	26.71337	490296.00	3624443.00	48.53165
490276.00	3624453.00	58.86406	490286.00	3624453.00	53.19780
490296.00	3624453.00	70.67388	490276.00	3624463.00	61.78024
490286.00	3624463.00	54.87469	490296.00	3624463.00	73.51922
490276.00	3624473.00	63.66198	490286.00	3624473.00	56.31785
490296.00	3624473.00	75.29133	490276.00	3624481.00	65.49375
490286.00	3624481.00	58.33091	490296.00	3624481.00	77.22308
490276.00	3624491.00	67.60366	490286.00	3624491.00	61.65010
490296.00	3624491.00	79.87558	490276.00	3624501.00	67.38421
490286.00	3624501.00	63.06373	490296.00	3624501.00	82.36219
490276.00	3624511.00	65.36858	490286.00	3624511.00	61.19414
490296.00	3624511.00	83.30568	490276.00	3624521.00	62.75817
490286.00	3624521.00	60.25867	490296.00	3624521.00	76.05721
490279.00	3624525.00	60.35219	490289.00	3624525.00	66.66479
490299.00	3624525.00	76.26887	490309.00	3624525.00	73.90226
490319.00	3624525.00	65.20540	490279.00	3624535.00	49.54824
490289.00	3624535.00	44.97727	490299.00	3624535.00	48.21122
490309.00	3624535.00	47.10855	490319.00	3624535.00	51.11463
490279.00	3624545.00	43.70063	490289.00	3624545.00	57.77239
490299.00	3624545.00	51.36157	490309.00	3624545.00	55.14226
490319.00	3624545.00	50.79255	490298.00	3624431.00	37.63045
490298.00	3624441.00	67.44583	490308.00	3624441.00	61.07709
490318.00	3624441.00	45.25170	490298.00	3624451.00	64.60321
490308.00	3624451.00	68.44642	490318.00	3624451.00	50.08305

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: NB1 ***
INCLUDING SOURCE(S): L0000444 , L0000445 , L0000446 , L0000447 , L0000448 ,
L0000449 , L0000450 , L0000451 , L0000452 , L0000453 , L0000454 , L0000455 , L0000456 ,
L0000457 , L0000458 , L0000459 , L0000460 , L0000461 , L0000462 , L0000463 , L0000464 ,
L0000465 , L0000466 , L0000467 , L0000468 , L0000469 , L0000470 , L0000471 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
489960.00	3624026.00	0.19743	490010.00	3624026.00	0.21760
490060.00	3624026.00	0.23929	490110.00	3624026.00	0.26211
490160.00	3624026.00	0.28524	490210.00	3624026.00	0.30756
490260.00	3624026.00	0.33023	490310.00	3624026.00	0.34906
490360.00	3624026.00	0.37113	490410.00	3624026.00	0.39087
490460.00	3624026.00	0.42219	490510.00	3624026.00	0.45382
490560.00	3624026.00	0.48139	490610.00	3624026.00	0.50417
490660.00	3624026.00	0.52040	490710.00	3624026.00	0.52666
489960.00	3624076.00	0.22166	490010.00	3624076.00	0.24780
490060.00	3624076.00	0.27628	490110.00	3624076.00	0.30731
490160.00	3624076.00	0.33942	490210.00	3624076.00	0.37145
490260.00	3624076.00	0.40370	490310.00	3624076.00	0.43133
490360.00	3624076.00	0.46277	490410.00	3624076.00	0.49397
490460.00	3624076.00	0.54129	490510.00	3624076.00	0.58611
490560.00	3624076.00	0.62259	490610.00	3624076.00	0.64798
490660.00	3624076.00	0.65945	490710.00	3624076.00	0.65470
489960.00	3624126.00	0.24915	490010.00	3624126.00	0.28252
490060.00	3624126.00	0.32112	490110.00	3624126.00	0.36408
490160.00	3624126.00	0.41026	490210.00	3624126.00	0.45715
490260.00	3624126.00	0.50600	490310.00	3624126.00	0.54940
490360.00	3624126.00	0.59487	490410.00	3624126.00	0.64679
490460.00	3624126.00	0.72174	490510.00	3624126.00	0.78325
490560.00	3624126.00	0.82764	490610.00	3624126.00	0.84861
490660.00	3624126.00	0.84290	490710.00	3624126.00	0.81403
489960.00	3624176.00	0.28012	490010.00	3624176.00	0.32338
490060.00	3624176.00	0.37555	490110.00	3624176.00	0.43634
490160.00	3624176.00	0.50483	490210.00	3624176.00	0.57823
490260.00	3624176.00	0.65307	490310.00	3624176.00	0.71876
490360.00	3624176.00	0.79350	490410.00	3624176.00	0.88603
490460.00	3624176.00	1.01058	490510.00	3624176.00	1.09094
490560.00	3624176.00	1.13097	490610.00	3624176.00	1.12480
490660.00	3624176.00	1.07786	490710.00	3624176.00	1.00349
489960.00	3624226.00	0.31410	490010.00	3624226.00	0.37032
490060.00	3624226.00	0.44114	490110.00	3624226.00	0.52846
490160.00	3624226.00	0.63253	490210.00	3624226.00	0.75262
490260.00	3624226.00	0.88076	490310.00	3624226.00	0.99828
490360.00	3624226.00	1.13727	490410.00	3624226.00	1.33448
490460.00	3624226.00	1.49700	490510.00	3624226.00	1.58348
490560.00	3624226.00	1.57602	490610.00	3624226.00	1.49246
490660.00	3624226.00	1.36345	490710.00	3624226.00	1.21251

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: NB1 ***
INCLUDING SOURCE(S): L0000444 , L0000445 , L0000446 , L0000447 , L0000448 ,
L0000449 , L0000450 , L0000451 , L0000452 , L0000453 , L0000454 , L0000455 , L0000456 ,
L0000457 , L0000458 , L0000459 , L0000460 , L0000461 , L0000462 , L0000463 , L0000464 ,
L0000465 , L0000466 , L0000467 , L0000468 , L0000469 , L0000470 , L0000471 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
489960.00	3624276.00	0.34994	490010.00	3624276.00	0.42207
490060.00	3624276.00	0.51811	490110.00	3624276.00	0.64375
490160.00	3624276.00	0.80580	490210.00	3624276.00	1.01235
490260.00	3624276.00	1.25224	490310.00	3624276.00	1.51024
490360.00	3624276.00	1.79103	490410.00	3624276.00	2.17622
490460.00	3624276.00	2.36874	490510.00	3624276.00	2.36794
490560.00	3624276.00	2.19812	490610.00	3624276.00	1.94437
490660.00	3624276.00	1.67058	490710.00	3624276.00	1.41508
489960.00	3624326.00	0.38441	490010.00	3624326.00	0.47499
490060.00	3624326.00	0.60271	490110.00	3624326.00	0.78199
490160.00	3624326.00	1.03705	490210.00	3624326.00	1.41030
490260.00	3624326.00	1.91929	490310.00	3624326.00	2.55185
490360.00	3624326.00	3.29018	490410.00	3624326.00	3.99446
490460.00	3624326.00	3.97417	490510.00	3624326.00	3.55121
490560.00	3624326.00	2.97529	490610.00	3624326.00	2.41875
490660.00	3624326.00	1.94349	490710.00	3624326.00	1.57104
489960.00	3624376.00	0.41582	490010.00	3624376.00	0.52631
490060.00	3624376.00	0.68842	490110.00	3624376.00	0.93510
490160.00	3624376.00	1.33118	490410.00	3624376.00	8.40432
490460.00	3624376.00	6.68001	490510.00	3624376.00	5.05600
490560.00	3624376.00	3.75456	490610.00	3624376.00	2.79788
490660.00	3624376.00	2.11712	490710.00	3624376.00	1.63658
489960.00	3624426.00	0.43683	490010.00	3624426.00	0.56456
490060.00	3624426.00	0.75508	490110.00	3624426.00	1.06516
490160.00	3624426.00	1.59860	490410.00	3624426.00	17.01031
490460.00	3624426.00	10.06984	490510.00	3624426.00	6.32035
490560.00	3624426.00	4.24961	490610.00	3624426.00	2.93386
490660.00	3624426.00	2.12183	490710.00	3624426.00	1.58479
489960.00	3624476.00	0.44940	490010.00	3624476.00	0.58559
490060.00	3624476.00	0.79100	490110.00	3624476.00	1.13944
490160.00	3624476.00	1.75089	490410.00	3624476.00	25.14470
490460.00	3624476.00	12.11452	490510.00	3624476.00	6.65391
490560.00	3624476.00	4.18389	490610.00	3624476.00	2.75417
490660.00	3624476.00	1.94630	490710.00	3624476.00	1.43393
489960.00	3624526.00	0.44648	490010.00	3624526.00	0.57052
490060.00	3624526.00	0.78274	490110.00	3624526.00	1.11973
490160.00	3624526.00	1.72924	490410.00	3624526.00	38.35499
490460.00	3624526.00	11.35699	490510.00	3624526.00	5.56067
490560.00	3624526.00	3.55859	490610.00	3624526.00	2.35488
490660.00	3624526.00	1.66031	490710.00	3624526.00	1.23686

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: NB1 ***
INCLUDING SOURCE(S): L0000444 , L0000445 , L0000446 , L0000447 , L0000448 ,
L0000449 , L0000450 , L0000451 , L0000452 , L0000453 , L0000454 , L0000455 , L0000456 ,
L0000457 , L0000458 , L0000459 , L0000460 , L0000461 , L0000462 , L0000463 , L0000464 ,
L0000465 , L0000466 , L0000467 , L0000468 , L0000469 , L0000470 , L0000471 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
489960.00	3624576.00	0.40485	490010.00	3624576.00	0.51783
490060.00	3624576.00	0.68661	490110.00	3624576.00	1.00794
490160.00	3624576.00	1.57070	490210.00	3624576.00	2.65929
490260.00	3624576.00	5.49005	490310.00	3624576.00	14.97585
490360.00	3624576.00	24.53727	490410.00	3624576.00	15.95695
490460.00	3624576.00	7.76114	490510.00	3624576.00	4.02478
490560.00	3624576.00	2.62195	490610.00	3624576.00	1.93104
490660.00	3624576.00	1.39407	490710.00	3624576.00	1.05456
489960.00	3624626.00	0.37636	490010.00	3624626.00	0.47557
490060.00	3624626.00	0.61366	490110.00	3624626.00	0.90369
490160.00	3624626.00	1.30976	490210.00	3624626.00	2.01677
490260.00	3624626.00	3.42877	490310.00	3624626.00	5.79846
490360.00	3624626.00	7.80506	490410.00	3624626.00	6.90498
490460.00	3624626.00	4.82953	490510.00	3624626.00	3.19504
490560.00	3624626.00	2.04624	490610.00	3624626.00	1.57475
490660.00	3624626.00	1.19535	490710.00	3624626.00	0.91842
489960.00	3624676.00	0.34907	490010.00	3624676.00	0.44562
490060.00	3624676.00	0.59080	490110.00	3624676.00	0.77804
490160.00	3624676.00	1.05595	490210.00	3624676.00	1.50954
490260.00	3624676.00	2.23719	490310.00	3624676.00	3.15651
490360.00	3624676.00	3.86251	490410.00	3624676.00	3.73515
490460.00	3624676.00	2.92839	490510.00	3624676.00	2.26370
490560.00	3624676.00	1.69443	490610.00	3624676.00	1.24186
490660.00	3624676.00	1.03547	490710.00	3624676.00	0.82002
489960.00	3624726.00	0.34193	490010.00	3624726.00	0.41742
490060.00	3624726.00	0.51856	490110.00	3624726.00	0.65463
490160.00	3624726.00	0.85154	490210.00	3624726.00	1.15263
490260.00	3624726.00	1.56699	490310.00	3624726.00	1.99471
490360.00	3624726.00	2.31282	490410.00	3624726.00	2.33331
490460.00	3624726.00	2.13930	490510.00	3624726.00	1.80627
490560.00	3624726.00	1.44753	490610.00	3624726.00	1.05440
490660.00	3624726.00	0.84146	490710.00	3624726.00	0.73577
489960.00	3624776.00	0.31393	490010.00	3624776.00	0.37328
490060.00	3624776.00	0.45046	490110.00	3624776.00	0.55505
490160.00	3624776.00	0.69891	490210.00	3624776.00	0.89635
490260.00	3624776.00	1.13637	490310.00	3624776.00	1.38211
490360.00	3624776.00	1.56253	490410.00	3624776.00	1.61585
490460.00	3624776.00	1.54529	490510.00	3624776.00	1.37674
490560.00	3624776.00	1.17047	490610.00	3624776.00	0.96752
490660.00	3624776.00	0.73525	490710.00	3624776.00	0.61095

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: NB1 ***
INCLUDING SOURCE(S): L0000444 , L0000445 , L0000446 , L0000447 , L0000448 ,
L0000449 , L0000450 , L0000451 , L0000452 , L0000453 , L0000454 , L0000455 , L0000456 ,
L0000457 , L0000458 , L0000459 , L0000460 , L0000461 , L0000462 , L0000463 , L0000464 ,
L0000465 , L0000466 , L0000467 , L0000468 , L0000469 , L0000470 , L0000471 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
489960.00	3624826.00	0.27850	490010.00	3624826.00	0.32887
490060.00	3624826.00	0.38985	490110.00	3624826.00	0.46720
490160.00	3624826.00	0.57452	490210.00	3624826.00	0.70448
490260.00	3624826.00	0.86137	490310.00	3624826.00	1.01294
490360.00	3624826.00	1.12542	490410.00	3624826.00	1.17229
490460.00	3624826.00	1.14782	490510.00	3624826.00	1.06435
490560.00	3624826.00	0.94755	490610.00	3624826.00	0.81985
490660.00	3624826.00	0.68544	490710.00	3624826.00	0.54248
489960.00	3624876.00	0.25240	490010.00	3624876.00	0.29057
490060.00	3624876.00	0.33948	490110.00	3624876.00	0.40186
490160.00	3624876.00	0.47966	490210.00	3624876.00	0.57254
490260.00	3624876.00	0.67710	490310.00	3624876.00	0.77608
490360.00	3624876.00	0.85002	490410.00	3624876.00	0.88673
490460.00	3624876.00	0.88164	490510.00	3624876.00	0.83956
490560.00	3624876.00	0.77102	490610.00	3624876.00	0.68944
490660.00	3624876.00	0.60009	490710.00	3624876.00	0.48872
490210.00	3624326.00	1.41030	490220.00	3624326.00	1.49300
490230.00	3624326.00	1.58498	490240.00	3624326.00	1.68456
490250.00	3624326.00	1.80113	490260.00	3624326.00	1.91929
490270.00	3624326.00	2.02865	490280.00	3624326.00	2.14048
490290.00	3624326.00	2.26067	490300.00	3624326.00	2.39755
490310.00	3624326.00	2.55185	490320.00	3624326.00	2.67444
490330.00	3624326.00	2.81452	490340.00	3624326.00	2.96827
490350.00	3624326.00	3.14807	490360.00	3624326.00	3.29018
490370.00	3624326.00	3.47704	490380.00	3624326.00	3.67238
490390.00	3624326.00	3.82473	490400.00	3624326.00	3.92626
490410.00	3624326.00	3.99446	490420.00	3624326.00	4.03012
490430.00	3624326.00	4.05229	490440.00	3624326.00	4.04891
490450.00	3624326.00	4.02016	490460.00	3624326.00	3.97417
490210.00	3624336.00	1.51225	490220.00	3624336.00	1.60644
490230.00	3624336.00	1.71237	490240.00	3624336.00	1.82937
490250.00	3624336.00	1.97010	490260.00	3624336.00	2.11125
490270.00	3624336.00	2.24128	490280.00	3624336.00	2.37896
490290.00	3624336.00	2.53126	490300.00	3624336.00	2.70269
490310.00	3624336.00	2.89176	490320.00	3624336.00	3.04014
490330.00	3624336.00	3.21060	490340.00	3624336.00	3.40304
490350.00	3624336.00	3.64438	490360.00	3624336.00	3.82799
490370.00	3624336.00	4.04381	490380.00	3624336.00	4.26303
490390.00	3624336.00	4.43559	490400.00	3624336.00	4.53766
490410.00	3624336.00	4.59121	490420.00	3624336.00	4.60695

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: NB1 ***
INCLUDING SOURCE(S): L0000444 , L0000445 , L0000446 , L0000447 , L0000448 ,
L0000449 , L0000450 , L0000451 , L0000452 , L0000453 , L0000454 , L0000455 , L0000456 ,
L0000457 , L0000458 , L0000459 , L0000460 , L0000461 , L0000462 , L0000463 , L0000464 ,
L0000465 , L0000466 , L0000467 , L0000468 , L0000469 , L0000470 , L0000471 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
490430.00	3624336.00	4.60392	490440.00	3624336.00	4.56705
490450.00	3624336.00	4.50371	490460.00	3624336.00	4.42263
490210.00	3624346.00	1.62387	490220.00	3624346.00	1.73419
490230.00	3624346.00	1.85948	490240.00	3624346.00	1.99776
490250.00	3624346.00	2.16095	490260.00	3624346.00	2.33161
490270.00	3624346.00	2.48887	490280.00	3624346.00	2.66525
490290.00	3624346.00	2.85823	490300.00	3624346.00	3.07331
490310.00	3624346.00	3.31198	490320.00	3624346.00	3.50407
490330.00	3624346.00	3.72442	490340.00	3624346.00	3.96471
490350.00	3624346.00	4.27216	490360.00	3624346.00	4.51374
490370.00	3624346.00	4.76577	490380.00	3624346.00	5.01651
490390.00	3624346.00	5.19496	490400.00	3624346.00	5.28149
490410.00	3624346.00	5.30555	490420.00	3624346.00	5.28824
490430.00	3624346.00	5.24104	490440.00	3624346.00	5.15803
490450.00	3624346.00	5.04861	490460.00	3624346.00	4.92177
490210.00	3624356.00	1.74140	490220.00	3624356.00	1.87633
490230.00	3624356.00	2.02632	490240.00	3624356.00	2.19159
490250.00	3624356.00	2.37879	490260.00	3624356.00	2.58508
490270.00	3624356.00	2.79200	490280.00	3624356.00	3.02245
490290.00	3624356.00	3.27092	490300.00	3624356.00	3.53929
490310.00	3624356.00	3.82891	490320.00	3624356.00	4.09754
490330.00	3624356.00	4.38956	490340.00	3624356.00	4.70942
490350.00	3624356.00	5.07168	490360.00	3624356.00	5.39983
490370.00	3624356.00	5.70632	490380.00	3624356.00	5.98132
490390.00	3624356.00	6.14423	490400.00	3624356.00	6.19522
490410.00	3624356.00	6.16601	490420.00	3624356.00	6.09147
490430.00	3624356.00	5.97492	490440.00	3624356.00	5.82598
490450.00	3624356.00	5.65483	490460.00	3624356.00	5.46833
490210.00	3624366.00	1.86376	490220.00	3624366.00	2.02451
490230.00	3624366.00	2.20257	490240.00	3624366.00	2.40103
490250.00	3624366.00	2.62944	490370.00	3624366.00	6.95325
490380.00	3624366.00	7.21823	490390.00	3624366.00	7.33807
490400.00	3624366.00	7.31250	490410.00	3624366.00	7.19648
490420.00	3624366.00	7.02211	490430.00	3624366.00	6.80856
490440.00	3624366.00	6.57149	490450.00	3624366.00	6.31961
490460.00	3624366.00	6.05770	490210.00	3624376.00	2.00193
490220.00	3624376.00	2.18153	490230.00	3624376.00	2.38831
490240.00	3624376.00	2.62186	490250.00	3624376.00	2.90209
490370.00	3624376.00	8.61636	490380.00	3624376.00	8.83450
490390.00	3624376.00	8.84277	490400.00	3624376.00	8.67272

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: NB1 ***
INCLUDING SOURCE(S): L0000444 , L0000445 , L0000446 , L0000447 , L0000448 ,
L0000449 , L0000450 , L0000451 , L0000452 , L0000453 , L0000454 , L0000455 , L0000456 ,
L0000457 , L0000458 , L0000459 , L0000460 , L0000461 , L0000462 , L0000463 , L0000464 ,
L0000465 , L0000466 , L0000467 , L0000468 , L0000469 , L0000470 , L0000471 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
490410.00	3624376.00	8.40432	490420.00	3624376.00	8.08961
490430.00	3624376.00	7.74120	490440.00	3624376.00	7.38506
490450.00	3624376.00	7.03302	490460.00	3624376.00	6.68001
490210.00	3624386.00	2.13125	490220.00	3624386.00	2.32690
490230.00	3624386.00	2.56394	490240.00	3624386.00	2.83631
490250.00	3624386.00	3.16175	490370.00	3624386.00	10.89532
490380.00	3624386.00	10.94807	490390.00	3624386.00	10.73335
490400.00	3624386.00	10.31616	490410.00	3624386.00	9.81710
490420.00	3624386.00	9.30795	490430.00	3624386.00	8.78337
490440.00	3624386.00	8.25949	490450.00	3624386.00	7.78662
490460.00	3624386.00	7.33166	490210.00	3624396.00	2.26941
490220.00	3624396.00	2.49821	490230.00	3624396.00	2.77068
490240.00	3624396.00	3.08715	490250.00	3624396.00	3.47847
490370.00	3624396.00	14.14422	490380.00	3624396.00	13.74132
490390.00	3624396.00	13.06709	490400.00	3624396.00	12.25041
490410.00	3624396.00	11.43322	490420.00	3624396.00	10.64895
490430.00	3624396.00	9.91526	490440.00	3624396.00	9.20258
490450.00	3624396.00	8.57596	490460.00	3624396.00	8.00477
490210.00	3624406.00	2.40940	490220.00	3624406.00	2.67200
490230.00	3624406.00	2.98583	490240.00	3624406.00	3.34801
490250.00	3624406.00	3.82182	490370.00	3624406.00	18.66491
490380.00	3624406.00	17.32909	490390.00	3624406.00	15.85551
490400.00	3624406.00	14.45960	490410.00	3624406.00	13.20763
490420.00	3624406.00	12.09354	490430.00	3624406.00	11.12003
490440.00	3624406.00	10.21588	490450.00	3624406.00	9.40009
490460.00	3624406.00	8.68553	490210.00	3624416.00	2.54765
490220.00	3624416.00	2.84597	490230.00	3624416.00	3.21169
490240.00	3624416.00	3.63588	490250.00	3624416.00	4.19175
490370.00	3624416.00	24.59030	490380.00	3624416.00	21.61173
490390.00	3624416.00	18.99212	490400.00	3624416.00	16.85048
490410.00	3624416.00	15.08220	490420.00	3624416.00	13.61459
490430.00	3624416.00	12.36444	490440.00	3624416.00	11.26035
490450.00	3624416.00	10.24972	490460.00	3624416.00	9.37420
490210.00	3624426.00	2.67827	490220.00	3624426.00	3.01176
490230.00	3624426.00	3.41117	490240.00	3624426.00	3.91458
490250.00	3624426.00	4.57974	490370.00	3624426.00	31.45831
490380.00	3624426.00	26.16723	490390.00	3624426.00	22.22556
490400.00	3624426.00	19.29935	490410.00	3624426.00	17.01031
490420.00	3624426.00	15.16872	490430.00	3624426.00	13.61894
490440.00	3624426.00	12.29470	490450.00	3624426.00	11.12847

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: NB1 ***
INCLUDING SOURCE(S): L0000444 , L0000445 , L0000446 , L0000447 , L0000448 ,
L0000449 , L0000450 , L0000451 , L0000452 , L0000453 , L0000454 , L0000455 , L0000456 ,
L0000457 , L0000458 , L0000459 , L0000460 , L0000461 , L0000462 , L0000463 , L0000464 ,
L0000465 , L0000466 , L0000467 , L0000468 , L0000469 , L0000470 , L0000471 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
490460.00	3624426.00	10.06984	490210.00	3624436.00	2.80140
490220.00	3624436.00	3.17269	490230.00	3624436.00	3.61962
490240.00	3624436.00	4.20278	490250.00	3624436.00	4.97534
490370.00	3624436.00	37.67482	490380.00	3624436.00	30.38891
490390.00	3624436.00	25.31644	490400.00	3624436.00	21.68580
490410.00	3624436.00	18.91773	490420.00	3624436.00	16.71690
490430.00	3624436.00	14.84062	490440.00	3624436.00	13.29770
490450.00	3624436.00	11.96254	490460.00	3624436.00	10.74610
490210.00	3624446.00	2.92291	490220.00	3624446.00	3.33046
490230.00	3624446.00	3.84162	490240.00	3624446.00	4.50229
490250.00	3624446.00	5.37064	490370.00	3624446.00	42.44275
490380.00	3624446.00	33.90708	490390.00	3624446.00	28.16296
490400.00	3624446.00	23.99222	490410.00	3624446.00	20.79118
490420.00	3624446.00	18.22564	490430.00	3624446.00	16.08184
490440.00	3624446.00	14.27307	490450.00	3624446.00	12.72577
490460.00	3624446.00	11.34662	490210.00	3624456.00	3.02549
490220.00	3624456.00	3.46089	490230.00	3624456.00	4.00332
490240.00	3624456.00	4.73335	490250.00	3624456.00	5.70950
490370.00	3624456.00	46.15302	490380.00	3624456.00	37.36785
490390.00	3624456.00	31.03712	490400.00	3624456.00	26.31396
490410.00	3624456.00	22.68796	490420.00	3624456.00	19.76957
490430.00	3624456.00	17.30243	490440.00	3624456.00	15.21968
490450.00	3624456.00	13.42766	490460.00	3624456.00	11.83450
490210.00	3624466.00	3.11365	490220.00	3624466.00	3.57767
490230.00	3624466.00	4.17386	490240.00	3624466.00	4.95728
490250.00	3624466.00	6.03333	490370.00	3624466.00	50.01765
490380.00	3624466.00	40.97356	490390.00	3624466.00	33.76096
490400.00	3624466.00	28.29691	490410.00	3624466.00	24.19098
490420.00	3624466.00	20.95872	490430.00	3624466.00	18.23802
490440.00	3624466.00	15.97626	490450.00	3624466.00	13.92433
490460.00	3624466.00	12.14196	490210.00	3624476.00	3.17983
490220.00	3624476.00	3.67160	490230.00	3624476.00	4.31726
490240.00	3624476.00	5.14700	490250.00	3624476.00	6.27236
490370.00	3624476.00	55.81199	490380.00	3624476.00	45.06763
490390.00	3624476.00	36.87198	490400.00	3624476.00	30.63478
490410.00	3624476.00	25.14470	490420.00	3624476.00	21.31920
490430.00	3624476.00	18.50929	490440.00	3624476.00	16.06073
490450.00	3624476.00	13.97808	490460.00	3624476.00	12.11452
490210.00	3624486.00	3.22465	490220.00	3624486.00	3.73467
490230.00	3624486.00	4.39590	490240.00	3624486.00	5.28009

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: NB1 ***
INCLUDING SOURCE(S): L0000444 , L0000445 , L0000446 , L0000447 , L0000448 ,
L0000449 , L0000450 , L0000451 , L0000452 , L0000453 , L0000454 , L0000455 , L0000456 ,
L0000457 , L0000458 , L0000459 , L0000460 , L0000461 , L0000462 , L0000463 , L0000464 ,
L0000465 , L0000466 , L0000467 , L0000468 , L0000469 , L0000470 , L0000471 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
490250.00	3624486.00	6.42973	490380.00	3624486.00	51.11634
490390.00	3624486.00	41.40914	490400.00	3624486.00	33.29670
490410.00	3624486.00	25.31319	490420.00	3624486.00	21.14734
490430.00	3624486.00	17.96131	490440.00	3624486.00	15.42514
490450.00	3624486.00	13.32901	490460.00	3624486.00	11.72803
490210.00	3624496.00	3.25389	490220.00	3624496.00	3.78457
490230.00	3624496.00	4.44652	490240.00	3624496.00	5.35570
490250.00	3624496.00	6.50961	490390.00	3624496.00	47.36407
490400.00	3624496.00	37.68719	490410.00	3624496.00	29.13587
490420.00	3624496.00	23.88002	490430.00	3624496.00	19.63145
490440.00	3624496.00	16.10082	490450.00	3624496.00	13.47896
490460.00	3624496.00	11.40122	490210.00	3624506.00	3.25505
490220.00	3624506.00	3.78903	490230.00	3624506.00	4.47716
490240.00	3624506.00	5.35483	490250.00	3624506.00	6.52381
490400.00	3624506.00	44.48858	490410.00	3624506.00	35.23969
490420.00	3624506.00	27.93222	490430.00	3624506.00	21.84980
490440.00	3624506.00	17.70701	490450.00	3624506.00	14.36918
490460.00	3624506.00	11.71301	490210.00	3624516.00	3.23254
490220.00	3624516.00	3.76704	490230.00	3624516.00	4.41961
490240.00	3624516.00	5.28491	490250.00	3624516.00	6.42753
490410.00	3624516.00	37.69242	490420.00	3624516.00	28.75745
490430.00	3624516.00	22.27169	490440.00	3624516.00	17.84386
490450.00	3624516.00	14.50684	490460.00	3624516.00	11.83364
490210.00	3624526.00	3.18341	490220.00	3624526.00	3.70298
490230.00	3624526.00	4.34233	490240.00	3624526.00	5.15982
490250.00	3624526.00	6.24381	490410.00	3624526.00	38.35499
490420.00	3624526.00	28.47628	490430.00	3624526.00	21.73694
490440.00	3624526.00	17.26400	490450.00	3624526.00	13.99154
490460.00	3624526.00	11.35699	490210.00	3624536.00	3.10992
490220.00	3624536.00	3.59185	490230.00	3624536.00	4.21525
490240.00	3624536.00	4.96656	490250.00	3624536.00	5.98962
490410.00	3624536.00	36.08351	490420.00	3624536.00	26.44996
490430.00	3624536.00	20.25552	490440.00	3624536.00	16.15749
490450.00	3624536.00	13.26130	490460.00	3624536.00	10.88734
490210.00	3624546.00	3.01936	490220.00	3624546.00	3.46279
490230.00	3624546.00	4.03026	490240.00	3624546.00	4.74441
490250.00	3624546.00	5.68803	490410.00	3624546.00	31.03531
490420.00	3624546.00	23.29175	490430.00	3624546.00	18.19585
490440.00	3624546.00	14.72049	490450.00	3624546.00	12.17132
490460.00	3624546.00	10.23694	490210.00	3624556.00	2.90735

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: NB1 ***
INCLUDING SOURCE(S): L0000444 , L0000445 , L0000446 , L0000447 , L0000448 ,
L0000449 , L0000450 , L0000451 , L0000452 , L0000453 , L0000454 , L0000455 , L0000456 ,
L0000457 , L0000458 , L0000459 , L0000460 , L0000461 , L0000462 , L0000463 , L0000464 ,
L0000465 , L0000466 , L0000467 , L0000468 , L0000469 , L0000470 , L0000471 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
490220.00	3624556.00	3.33135	490230.00	3624556.00	3.85758
490240.00	3624556.00	4.52130	490250.00	3624556.00	5.37354
490410.00	3624556.00	24.94218	490420.00	3624556.00	19.73862
490430.00	3624556.00	15.93753	490440.00	3624556.00	13.16750
490450.00	3624556.00	11.05733	490460.00	3624556.00	9.39837
490210.00	3624566.00	2.80019	490220.00	3624566.00	3.19647
490230.00	3624566.00	3.68298	490240.00	3624566.00	4.28973
490250.00	3624566.00	5.05296	490260.00	3624566.00	6.02074
490270.00	3624566.00	7.31448	490280.00	3624566.00	9.10887
490290.00	3624566.00	11.55545	490300.00	3624566.00	15.03711
490310.00	3624566.00	19.44262	490320.00	3624566.00	24.45641
490330.00	3624566.00	28.88853	490340.00	3624566.00	32.26344
490350.00	3624566.00	34.18419	490360.00	3624566.00	34.76171
490370.00	3624566.00	34.02676	490380.00	3624566.00	32.02790
490390.00	3624566.00	28.50848	490400.00	3624566.00	24.03031
490410.00	3624566.00	19.79602	490420.00	3624566.00	16.43389
490430.00	3624566.00	13.72331	490440.00	3624566.00	11.60718
490450.00	3624566.00	9.91414	490460.00	3624566.00	8.56548
490210.00	3624576.00	2.65929	490220.00	3624576.00	3.01203
490230.00	3624576.00	3.45487	490240.00	3624576.00	3.97804
490250.00	3624576.00	4.65859	490260.00	3624576.00	5.49005
490270.00	3624576.00	6.53961	490280.00	3624576.00	7.98248
490290.00	3624576.00	9.83824	490300.00	3624576.00	12.12865
490310.00	3624576.00	14.97585	490320.00	3624576.00	18.00721
490330.00	3624576.00	20.65848	490340.00	3624576.00	22.78648
490350.00	3624576.00	24.05285	490360.00	3624576.00	24.53727
490370.00	3624576.00	24.16197	490380.00	3624576.00	22.96796
490390.00	3624576.00	21.00176	490400.00	3624576.00	18.50487
490410.00	3624576.00	15.95695	490420.00	3624576.00	13.73737
490430.00	3624576.00	11.80778	490440.00	3624576.00	10.20429
490450.00	3624576.00	8.86346	490460.00	3624576.00	7.76114
490210.00	3624586.00	2.52140	490220.00	3624586.00	2.85019
490230.00	3624586.00	3.23385	490240.00	3624586.00	3.70096
490250.00	3624586.00	4.27708	490260.00	3624586.00	5.00301
490270.00	3624586.00	5.89206	490280.00	3624586.00	7.05636
490290.00	3624586.00	8.39552	490300.00	3624586.00	10.05505
490310.00	3624586.00	11.85747	490320.00	3624586.00	13.83482
490330.00	3624586.00	15.57956	490340.00	3624586.00	16.93674
490350.00	3624586.00	17.81439	490360.00	3624586.00	18.22345
490370.00	3624586.00	18.08115	490380.00	3624586.00	17.41257

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: NB1 ***
INCLUDING SOURCE(S): L0000444 , L0000445 , L0000446 , L0000447 , L0000448 ,
L0000449 , L0000450 , L0000451 , L0000452 , L0000453 , L0000454 , L0000455 , L0000456 ,
L0000457 , L0000458 , L0000459 , L0000460 , L0000461 , L0000462 , L0000463 , L0000464 ,
L0000465 , L0000466 , L0000467 , L0000468 , L0000469 , L0000470 , L0000471 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
490390.00	3624586.00	16.25731	490400.00	3624586.00	14.72980
490410.00	3624586.00	13.10818	490420.00	3624586.00	11.62450
490430.00	3624586.00	10.22898	490440.00	3624586.00	9.00015
490450.00	3624586.00	7.93175	490460.00	3624586.00	7.03040
490210.00	3624596.00	2.39576	490220.00	3624596.00	2.68896
490230.00	3624596.00	3.03125	490240.00	3624596.00	3.45061
490250.00	3624596.00	3.93792	490260.00	3624596.00	4.55295
490270.00	3624596.00	5.29409	490280.00	3624596.00	6.20577
490290.00	3624596.00	7.19171	490300.00	3624596.00	8.40489
490310.00	3624596.00	9.64746	490320.00	3624596.00	10.98024
490330.00	3624596.00	12.19715	490340.00	3624596.00	13.11128
490350.00	3624596.00	13.75074	490360.00	3624596.00	14.11045
490370.00	3624596.00	14.11332	490380.00	3624596.00	13.75306
490390.00	3624596.00	13.04145	490400.00	3624596.00	12.03386
490410.00	3624596.00	10.95023	490420.00	3624596.00	9.89269
490430.00	3624596.00	8.87456	490440.00	3624596.00	7.94304
490450.00	3624596.00	7.10770	490460.00	3624596.00	6.37620
490210.00	3624606.00	2.26637	490220.00	3624606.00	2.52137
490230.00	3624606.00	2.82570	490240.00	3624606.00	3.18444
490250.00	3624606.00	3.62620	490260.00	3624606.00	4.13512
490270.00	3624606.00	4.73960	490280.00	3624606.00	5.45601
490290.00	3624606.00	6.23306	490300.00	3624606.00	7.10655
490310.00	3624606.00	8.00792	490320.00	3624606.00	8.94249
490330.00	3624606.00	9.82352	490340.00	3624606.00	10.49009
490350.00	3624606.00	10.98890	490360.00	3624606.00	11.31237
490370.00	3624606.00	11.40128	490380.00	3624606.00	11.22102
490390.00	3624606.00	10.76875	490400.00	3624606.00	10.03227
490410.00	3624606.00	9.28662	490420.00	3624606.00	8.53261
490430.00	3624606.00	7.77784	490440.00	3624606.00	7.06186
490450.00	3624606.00	6.39991	490460.00	3624606.00	5.80028
490210.00	3624616.00	2.14142	490220.00	3624616.00	2.37079
490230.00	3624616.00	2.63832	490240.00	3624616.00	2.95448
490250.00	3624616.00	3.33603	490260.00	3624616.00	3.76429
490270.00	3624616.00	4.26029	490280.00	3624616.00	4.83699
490290.00	3624616.00	5.43562	490300.00	3624616.00	6.08298
490310.00	3624616.00	6.76727	490320.00	3624616.00	7.46094
490330.00	3624616.00	8.10874	490340.00	3624616.00	8.60731
490350.00	3624616.00	9.02587	490360.00	3624616.00	9.30449
490370.00	3624616.00	9.42326	490380.00	3624616.00	9.33158
490390.00	3624616.00	9.02788	490400.00	3624616.00	8.49630

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: NB1 ***
INCLUDING SOURCE(S): L0000444 , L0000445 , L0000446 , L0000447 , L0000448 ,
L0000449 , L0000450 , L0000451 , L0000452 , L0000453 , L0000454 , L0000455 , L0000456 ,
L0000457 , L0000458 , L0000459 , L0000460 , L0000461 , L0000462 , L0000463 , L0000464 ,
L0000465 , L0000466 , L0000467 , L0000468 , L0000469 , L0000470 , L0000471 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
490410.00	3624616.00	7.96970	490420.00	3624616.00	7.43706
490430.00	3624616.00	6.87354	490440.00	3624616.00	6.31873
490450.00	3624616.00	5.78505	490460.00	3624616.00	5.28939
490307.00	3624461.00	29.30865	490317.00	3624461.00	33.09024
490307.00	3624471.00	32.43740	490317.00	3624471.00	35.12192
490307.00	3624481.00	33.48169	490317.00	3624481.00	42.31009
490307.00	3624491.00	34.19773	490317.00	3624491.00	45.59852
490307.00	3624501.00	35.93032	490317.00	3624501.00	39.65273
490307.00	3624511.00	36.94620	490317.00	3624511.00	39.90799
490307.00	3624521.00	35.84374	490317.00	3624521.00	48.45725
490276.00	3624433.00	7.85393	490286.00	3624433.00	9.72086
490296.00	3624433.00	12.53660	490276.00	3624443.00	8.70080
490286.00	3624443.00	11.07788	490296.00	3624443.00	14.73724
490276.00	3624453.00	9.61690	490286.00	3624453.00	12.58076
490296.00	3624453.00	17.15154	490276.00	3624463.00	10.40425
490286.00	3624463.00	13.73082	490296.00	3624463.00	19.24137
490276.00	3624473.00	11.01891	490286.00	3624473.00	14.52996
490296.00	3624473.00	20.82297	490276.00	3624481.00	11.39540
490286.00	3624481.00	14.98576	490296.00	3624481.00	21.39437
490276.00	3624491.00	11.73870	490286.00	3624491.00	15.52929
490296.00	3624491.00	22.02510	490276.00	3624501.00	11.87634
490286.00	3624501.00	15.94156	490296.00	3624501.00	22.73437
490276.00	3624511.00	11.75043	490286.00	3624511.00	15.91529
490296.00	3624511.00	23.03248	490276.00	3624521.00	11.46678
490286.00	3624521.00	15.54969	490296.00	3624521.00	22.66795
490279.00	3624525.00	12.31349	490289.00	3624525.00	17.06578
490299.00	3624525.00	25.27808	490309.00	3624525.00	38.38650
490319.00	3624525.00	39.49636	490279.00	3624535.00	11.66686
490289.00	3624535.00	16.14229	490299.00	3624535.00	23.74268
490309.00	3624535.00	37.26291	490319.00	3624535.00	34.59832
490279.00	3624545.00	10.98189	490289.00	3624545.00	14.91177
490299.00	3624545.00	21.30260	490309.00	3624545.00	32.31980
490319.00	3624545.00	32.60016	490298.00	3624431.00	12.89002
490298.00	3624441.00	15.20264	490308.00	3624441.00	21.35424
490318.00	3624441.00	31.67848	490298.00	3624451.00	17.84727
490308.00	3624451.00	25.99633	490318.00	3624451.00	35.04776

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: NB2 ***
INCLUDING SOURCE(S): L0000384 , L0000385 , L0000386 , L0000387 , L0000388 ,
L0000389 , L0000390 , L0000391 , L0000392 , L0000393 , L0000394 , L0000395 , L0000396 ,
L0000397 , L0000398 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
489960.00	3624026.00	0.17909	490010.00	3624026.00	0.19571
490060.00	3624026.00	0.21332	490110.00	3624026.00	0.23159
490160.00	3624026.00	0.24992	490210.00	3624026.00	0.26753
490260.00	3624026.00	0.28533	490310.00	3624026.00	0.30016
490360.00	3624026.00	0.31705	490410.00	3624026.00	0.33180
490460.00	3624026.00	0.35485	490510.00	3624026.00	0.37965
490560.00	3624026.00	0.40171	490610.00	3624026.00	0.42188
490660.00	3624026.00	0.43978	490710.00	3624026.00	0.45141
489960.00	3624076.00	0.20021	490010.00	3624076.00	0.22149
490060.00	3624076.00	0.24426	490110.00	3624076.00	0.26860
490160.00	3624076.00	0.29339	490210.00	3624076.00	0.31789
490260.00	3624076.00	0.34237	490310.00	3624076.00	0.36338
490360.00	3624076.00	0.38654	490410.00	3624076.00	0.40881
490460.00	3624076.00	0.44285	490510.00	3624076.00	0.47754
490560.00	3624076.00	0.50810	490610.00	3624076.00	0.53437
490660.00	3624076.00	0.55346	490710.00	3624076.00	0.56110
489960.00	3624126.00	0.22422	490010.00	3624126.00	0.25113
490060.00	3624126.00	0.28150	490110.00	3624126.00	0.31445
490160.00	3624126.00	0.34904	490210.00	3624126.00	0.38359
490260.00	3624126.00	0.41910	490310.00	3624126.00	0.45057
490360.00	3624126.00	0.48255	490410.00	3624126.00	0.51756
490460.00	3624126.00	0.57072	490510.00	3624126.00	0.61842
490560.00	3624126.00	0.66029	490610.00	3624126.00	0.69190
490660.00	3624126.00	0.70670	490710.00	3624126.00	0.70282
489960.00	3624176.00	0.25147	490010.00	3624176.00	0.28607
490060.00	3624176.00	0.32652	490110.00	3624176.00	0.37207
490160.00	3624176.00	0.42163	490210.00	3624176.00	0.47317
490260.00	3624176.00	0.52474	490310.00	3624176.00	0.56992
490360.00	3624176.00	0.61911	490410.00	3624176.00	0.67722
490460.00	3624176.00	0.76548	490510.00	3624176.00	0.83201
490560.00	3624176.00	0.88582	490610.00	3624176.00	0.91463
490660.00	3624176.00	0.91170	490710.00	3624176.00	0.88069
489960.00	3624226.00	0.28187	490010.00	3624226.00	0.32662
490060.00	3624226.00	0.38088	490110.00	3624226.00	0.44488
490160.00	3624226.00	0.51743	490210.00	3624226.00	0.59704
490260.00	3624226.00	0.67883	490310.00	3624226.00	0.75297
490360.00	3624226.00	0.83601	490410.00	3624226.00	0.95484
490460.00	3624226.00	1.07197	490510.00	3624226.00	1.16977
490560.00	3624226.00	1.22699	490610.00	3624226.00	1.22897
490660.00	3624226.00	1.18035	490710.00	3624226.00	1.09475

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: NB2 ***
INCLUDING SOURCE(S): L0000384 , L0000385 , L0000386 , L0000387 , L0000388 ,
L0000389 , L0000390 , L0000391 , L0000392 , L0000393 , L0000394 , L0000395 , L0000396 ,
L0000397 , L0000398 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
489960.00	3624276.00	0.31488	490010.00	3624276.00	0.37244
490060.00	3624276.00	0.44570	490110.00	3624276.00	0.53629
490160.00	3624276.00	0.64530	490210.00	3624276.00	0.77334
490260.00	3624276.00	0.91123	490310.00	3624276.00	1.05308
490360.00	3624276.00	1.19963	490410.00	3624276.00	1.42306
490460.00	3624276.00	1.59714	490510.00	3624276.00	1.72441
490560.00	3624276.00	1.74319	490610.00	3624276.00	1.65707
490660.00	3624276.00	1.50564	490710.00	3624276.00	1.33058
489960.00	3624326.00	0.34835	490010.00	3624326.00	0.42165
490060.00	3624326.00	0.51997	490110.00	3624326.00	0.64903
490160.00	3624326.00	0.81658	490210.00	3624326.00	1.03283
490260.00	3624326.00	1.28635	490310.00	3624326.00	1.56695
490360.00	3624326.00	1.87573	490410.00	3624326.00	2.29312
490460.00	3624326.00	2.57762	490510.00	3624326.00	2.65932
490560.00	3624326.00	2.49377	490610.00	3624326.00	2.19124
490660.00	3624326.00	1.85444	490710.00	3624326.00	1.55357
489960.00	3624376.00	0.38107	490010.00	3624376.00	0.47285
490060.00	3624376.00	0.60116	490110.00	3624376.00	0.78318
490160.00	3624376.00	1.04569	490410.00	3624376.00	4.22875
490460.00	3624376.00	4.53210	490510.00	3624376.00	4.17075
490560.00	3624376.00	3.46380	490610.00	3624376.00	2.75056
490660.00	3624376.00	2.15757	490710.00	3624376.00	1.70919
489960.00	3624426.00	0.40862	490010.00	3624426.00	0.51708
490060.00	3624426.00	0.67554	490110.00	3624426.00	0.91878
490160.00	3624426.00	1.29990	490410.00	3624426.00	9.36210
490460.00	3624426.00	8.33478	490510.00	3624426.00	6.14456
490560.00	3624426.00	4.41884	490610.00	3624426.00	3.14792
490660.00	3624426.00	2.31170	490710.00	3624426.00	1.73930
489960.00	3624476.00	0.42803	490010.00	3624476.00	0.54946
490060.00	3624476.00	0.73164	490110.00	3624476.00	1.03045
490160.00	3624476.00	1.53643	490410.00	3624476.00	23.27496
490460.00	3624476.00	13.41982	490510.00	3624476.00	7.66020
490560.00	3624476.00	4.83907	490610.00	3624476.00	3.16976
490660.00	3624476.00	2.23247	490710.00	3624476.00	1.62972
489960.00	3624526.00	0.43594	490010.00	3624526.00	0.56052
490060.00	3624526.00	0.75533	490110.00	3624526.00	1.07599
490160.00	3624526.00	1.66321	490410.00	3624526.00	55.92550
490460.00	3624526.00	15.22819	490510.00	3624526.00	7.02927
490560.00	3624526.00	4.34336	490610.00	3624526.00	2.79976
490660.00	3624526.00	1.94206	490710.00	3624526.00	1.42296

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: NB2 ***
INCLUDING SOURCE(S): L0000384 , L0000385 , L0000386 , L0000387 , L0000388 ,
L0000389 , L0000390 , L0000391 , L0000392 , L0000393 , L0000394 , L0000395 , L0000396 ,
L0000397 , L0000398 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
489960.00	3624576.00	0.38900	490010.00	3624576.00	0.51184
490060.00	3624576.00	0.69308	490110.00	3624576.00	1.02794
490160.00	3624576.00	1.61045	490210.00	3624576.00	2.82617
490260.00	3624576.00	6.33247	490310.00	3624576.00	21.87040
490360.00	3624576.00	45.08848	490410.00	3624576.00	25.06537
490460.00	3624576.00	10.67760	490510.00	3624576.00	5.08815
490560.00	3624576.00	3.18006	490610.00	3624576.00	2.28525
490660.00	3624576.00	1.61391	490710.00	3624576.00	1.20178
489960.00	3624626.00	0.37049	490010.00	3624626.00	0.47479
490060.00	3624626.00	0.61103	490110.00	3624626.00	0.94903
490160.00	3624626.00	1.40047	490210.00	3624626.00	2.24006
490260.00	3624626.00	4.10251	490310.00	3624626.00	7.84789
490360.00	3624626.00	11.60835	490410.00	3624626.00	9.95269
490460.00	3624626.00	6.42967	490510.00	3624626.00	3.98394
490560.00	3624626.00	2.42737	490610.00	3624626.00	1.82696
490660.00	3624626.00	1.36076	490710.00	3624626.00	1.02876
489960.00	3624676.00	0.36624	490010.00	3624676.00	0.46963
490060.00	3624676.00	0.62230	490110.00	3624676.00	0.82734
490160.00	3624676.00	1.14689	490210.00	3624676.00	1.69294
490260.00	3624676.00	2.65738	490310.00	3624676.00	4.02680
490360.00	3624676.00	5.18854	490410.00	3624676.00	4.99372
490460.00	3624676.00	3.73947	490510.00	3624676.00	2.76707
490560.00	3624676.00	1.99408	490610.00	3624676.00	1.41775
490660.00	3624676.00	1.16513	490710.00	3624676.00	0.90851
489960.00	3624726.00	0.35879	490010.00	3624726.00	0.43907
490060.00	3624726.00	0.54783	490110.00	3624726.00	0.70093
490160.00	3624726.00	0.92745	490210.00	3624726.00	1.29172
490260.00	3624726.00	1.84003	490310.00	3624726.00	2.44501
490360.00	3624726.00	2.92385	490410.00	3624726.00	2.96294
490460.00	3624726.00	2.67261	490510.00	3624726.00	2.19289
490560.00	3624726.00	1.70333	490610.00	3624726.00	1.19984
490660.00	3624726.00	0.93834	490710.00	3624726.00	0.81187
489960.00	3624776.00	0.32694	490010.00	3624776.00	0.39203
490060.00	3624776.00	0.47755	490110.00	3624776.00	0.59491
490160.00	3624776.00	0.76052	490210.00	3624776.00	0.99932
490260.00	3624776.00	1.30846	490310.00	3624776.00	1.64387
490360.00	3624776.00	1.90054	490410.00	3624776.00	1.98067
490460.00	3624776.00	1.88098	490510.00	3624776.00	1.64538
490560.00	3624776.00	1.36774	490610.00	3624776.00	1.10541
490660.00	3624776.00	0.81940	490710.00	3624776.00	0.67056

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: NB2 ***
INCLUDING SOURCE(S): L0000384 , L0000385 , L0000386 , L0000387 , L0000388 ,
L0000389 , L0000390 , L0000391 , L0000392 , L0000393 , L0000394 , L0000395 , L0000396 ,
L0000397 , L0000398 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
489960.00	3624826.00	0.29338	490010.00	3624826.00	0.34611
490060.00	3624826.00	0.41337	490110.00	3624826.00	0.49980
490160.00	3624826.00	0.62293	490210.00	3624826.00	0.77819
490260.00	3624826.00	0.97630	490310.00	3624826.00	1.17717
490360.00	3624826.00	1.33096	490410.00	3624826.00	1.39752
490460.00	3624826.00	1.36528	490510.00	3624826.00	1.25228
490560.00	3624826.00	1.09792	490610.00	3624826.00	0.93340
490660.00	3624826.00	0.76661	490710.00	3624826.00	0.59555
489960.00	3624876.00	0.26412	490010.00	3624876.00	0.30577
490060.00	3624876.00	0.35948	490110.00	3624876.00	0.42904
490160.00	3624876.00	0.51815	490210.00	3624876.00	0.62847
490260.00	3624876.00	0.75830	490310.00	3624876.00	0.88621
490360.00	3624876.00	0.98427	490410.00	3624876.00	1.03436
490460.00	3624876.00	1.02860	490510.00	3624876.00	0.97370
490560.00	3624876.00	0.88480	490610.00	3624876.00	0.78090
490660.00	3624876.00	0.67029	490710.00	3624876.00	0.53696
490210.00	3624326.00	1.03283	490220.00	3624326.00	1.07693
490230.00	3624326.00	1.12448	490240.00	3624326.00	1.17438
490250.00	3624326.00	1.23082	490260.00	3624326.00	1.28635
490270.00	3624326.00	1.33666	490280.00	3624326.00	1.38717
490290.00	3624326.00	1.44052	490300.00	3624326.00	1.49998
490310.00	3624326.00	1.56695	490320.00	3624326.00	1.61939
490330.00	3624326.00	1.67858	490340.00	3624326.00	1.74251
490350.00	3624326.00	1.81856	490360.00	3624326.00	1.87573
490370.00	3624326.00	1.95960	490380.00	3624326.00	2.06647
490390.00	3624326.00	2.15901	490400.00	3624326.00	2.22705
490410.00	3624326.00	2.29312	490420.00	3624326.00	2.35540
490430.00	3624326.00	2.42017	490440.00	3624326.00	2.48008
490450.00	3624326.00	2.53223	490460.00	3624326.00	2.57762
490210.00	3624336.00	1.09856	490220.00	3624336.00	1.14773
490230.00	3624336.00	1.20116	490240.00	3624336.00	1.25806
490250.00	3624336.00	1.32381	490260.00	3624336.00	1.38737
490270.00	3624336.00	1.44430	490280.00	3624336.00	1.50310
490290.00	3624336.00	1.56662	490300.00	3624336.00	1.63642
490310.00	3624336.00	1.71340	490320.00	3624336.00	1.77262
490330.00	3624336.00	1.83993	490340.00	3624336.00	1.91476
490350.00	3624336.00	2.01154	490360.00	3624336.00	2.08206
490370.00	3624336.00	2.17531	490380.00	3624336.00	2.29219
490390.00	3624336.00	2.40448	490400.00	3624336.00	2.48422
490410.00	3624336.00	2.55951	490420.00	3624336.00	2.63120

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: NB2 ***
INCLUDING SOURCE(S): L0000384 , L0000385 , L0000386 , L0000387 , L0000388 ,
L0000389 , L0000390 , L0000391 , L0000392 , L0000393 , L0000394 , L0000395 , L0000396 ,
L0000397 , L0000398 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
490430.00	3624336.00	2.70393	490440.00	3624336.00	2.76792
490450.00	3624336.00	2.82221	490460.00	3624336.00	2.86729
490210.00	3624346.00	1.17049	490220.00	3624346.00	1.22688
490230.00	3624346.00	1.28844	490240.00	3624346.00	1.35358
490250.00	3624346.00	1.42706	490260.00	3624346.00	1.50052
490270.00	3624346.00	1.56573	490280.00	3624346.00	1.63645
490290.00	3624346.00	1.71150	490300.00	3624346.00	1.79281
490310.00	3624346.00	1.88306	490320.00	3624346.00	1.95380
490330.00	3624346.00	2.03426	490340.00	3624346.00	2.12067
490350.00	3624346.00	2.23660	490360.00	3624346.00	2.32580
490370.00	3624346.00	2.43066	490380.00	3624346.00	2.56885
490390.00	3624346.00	2.69493	490400.00	3624346.00	2.78654
490410.00	3624346.00	2.87287	490420.00	3624346.00	2.95595
490430.00	3624346.00	3.03540	490440.00	3624346.00	3.10357
490450.00	3624346.00	3.15913	490460.00	3624346.00	3.20190
490210.00	3624356.00	1.24706	490220.00	3624356.00	1.31472
490230.00	3624356.00	1.38653	490240.00	3624356.00	1.46188
490250.00	3624356.00	1.54296	490260.00	3624356.00	1.62769
490270.00	3624356.00	1.70849	490280.00	3624356.00	1.79449
490290.00	3624356.00	1.88350	490300.00	3624356.00	1.97701
490310.00	3624356.00	2.07682	490320.00	3624356.00	2.16714
490330.00	3624356.00	2.26436	490340.00	3624356.00	2.37076
490350.00	3624356.00	2.49463	490360.00	3624356.00	2.61156
490370.00	3624356.00	2.73811	490380.00	3624356.00	2.90338
490390.00	3624356.00	3.03985	490400.00	3624356.00	3.14680
490410.00	3624356.00	3.24623	490420.00	3624356.00	3.34123
490430.00	3624356.00	3.42567	490440.00	3624356.00	3.49597
490450.00	3624356.00	3.55021	490460.00	3624356.00	3.58671
490210.00	3624366.00	1.32827	490220.00	3624366.00	1.40769
490230.00	3624366.00	1.49116	490240.00	3624366.00	1.57907
490250.00	3624366.00	1.67432	490370.00	3624366.00	3.11158
490380.00	3624366.00	3.29442	490390.00	3624366.00	3.45314
490400.00	3624366.00	3.57805	490410.00	3624366.00	3.69358
490420.00	3624366.00	3.79753	490430.00	3624366.00	3.88575
490440.00	3624366.00	3.95550	490450.00	3624366.00	4.00384
490460.00	3624366.00	4.02823	490210.00	3624376.00	1.42029
490220.00	3624376.00	1.50801	490230.00	3624376.00	1.60335
490240.00	3624376.00	1.70439	490250.00	3624376.00	1.81750
490370.00	3624376.00	3.55355	490380.00	3624376.00	3.76801
490390.00	3624376.00	3.95354	490400.00	3624376.00	4.09886

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: NB2 ***
INCLUDING SOURCE(S): L0000384 , L0000385 , L0000386 , L0000387 ,
L0000388 ,
L0000389 , L0000390 , L0000391 , L0000392 , L0000393 , L0000394 , L0000395 ,
L0000396 ,
L0000397 , L0000398 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
490410.00	3624376.00	4.22875	490420.00	3624376.00	4.34207
490430.00	3624376.00	4.42975	490440.00	3624376.00	4.49181
490450.00	3624376.00	4.52780	490460.00	3624376.00	4.53210
490210.00	3624386.00	1.51151	490220.00	3624386.00	1.60688
490230.00	3624386.00	1.71555	490240.00	3624386.00	1.83192
490250.00	3624386.00	1.96048	490370.00	3624386.00	4.08390
490380.00	3624386.00	4.33025	490390.00	3624386.00	4.56379
490400.00	3624386.00	4.73537	490410.00	3624386.00	4.87984
490420.00	3624386.00	5.00062	490430.00	3624386.00	5.08209
490440.00	3624386.00	5.11970	490450.00	3624386.00	5.13327
490460.00	3624386.00	5.10892	490210.00	3624396.00	1.61180
490220.00	3624396.00	1.72351	490230.00	3624396.00	1.84793
490240.00	3624396.00	1.98176	490250.00	3624396.00	2.13341
490370.00	3624396.00	4.80760	490380.00	3624396.00	5.05565
490390.00	3624396.00	5.32148	490400.00	3624396.00	5.51753
490410.00	3624396.00	5.67726	490420.00	3624396.00	5.79369
490430.00	3624396.00	5.86209	490440.00	3624396.00	5.86554
490450.00	3624396.00	5.83608	490460.00	3624396.00	5.76829
490210.00	3624406.00	1.71869	490220.00	3624406.00	1.84813
490230.00	3624406.00	1.99217	490240.00	3624406.00	2.14521
490250.00	3624406.00	2.32730	490370.00	3624406.00	5.71388
490380.00	3624406.00	5.97816	490390.00	3624406.00	6.26992
490400.00	3624406.00	6.48955	490410.00	3624406.00	6.65452
490420.00	3624406.00	6.75603	490430.00	3624406.00	6.79777
490440.00	3624406.00	6.75837	490450.00	3624406.00	6.65639
490460.00	3624406.00	6.51670	490210.00	3624416.00	1.83149
490220.00	3624416.00	1.98128	490230.00	3624416.00	2.15162
490240.00	3624416.00	2.33251	490250.00	3624416.00	2.54649
490370.00	3624416.00	6.81741	490380.00	3624416.00	7.16442
490390.00	3624416.00	7.46747	490400.00	3624416.00	7.70426
490410.00	3624416.00	7.85954	490420.00	3624416.00	7.93156
490430.00	3624416.00	7.91698	490440.00	3624416.00	7.81129
490450.00	3624416.00	7.61144	490460.00	3624416.00	7.36819
490210.00	3624426.00	1.94821	490220.00	3624426.00	2.12052
490230.00	3624426.00	2.31190	490240.00	3624426.00	2.53235
490250.00	3624426.00	2.79337	490370.00	3624426.00	8.22308
490380.00	3624426.00	8.64937	490390.00	3624426.00	8.99115
490400.00	3624426.00	9.23678	490410.00	3624426.00	9.36210
490420.00	3624426.00	9.36863	490430.00	3624426.00	9.25250
490440.00	3624426.00	9.03458	490450.00	3624426.00	8.72594

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: NB2 ***
INCLUDING SOURCE(S): L0000384 , L0000385 , L0000386 , L0000387 , L0000388 ,
L0000389 , L0000390 , L0000391 , L0000392 , L0000393 , L0000394 , L0000395 , L0000396 ,
L0000397 , L0000398 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
490460.00	3624426.00	8.33478	490210.00	3624436.00	2.06972
490220.00	3624436.00	2.26894	490230.00	3624436.00	2.49154
490240.00	3624436.00	2.75679	490250.00	3624436.00	3.07078
490370.00	3624436.00	10.07214	490380.00	3624436.00	10.58939
490390.00	3624436.00	10.96453	490400.00	3624436.00	11.18674
490410.00	3624436.00	11.23635	490420.00	3624436.00	11.12152
490430.00	3624436.00	10.82689	490440.00	3624436.00	10.44203
490450.00	3624436.00	9.96998	490460.00	3624436.00	9.40618
490210.00	3624446.00	2.19988	490220.00	3624446.00	2.42882
490230.00	3624446.00	2.69587	490240.00	3624446.00	3.01162
490250.00	3624446.00	3.38335	490370.00	3624446.00	12.58221
490380.00	3624446.00	13.17140	490390.00	3624446.00	13.55525
490400.00	3624446.00	13.69287	490410.00	3624446.00	13.57916
490420.00	3624446.00	13.23962	490430.00	3624446.00	12.70730
490440.00	3624446.00	12.05208	490450.00	3624446.00	11.32623
490460.00	3624446.00	10.53628	490210.00	3624456.00	2.32925
490220.00	3624456.00	2.58791	490230.00	3624456.00	2.88973
490240.00	3624456.00	3.26353	490250.00	3624456.00	3.71421
490370.00	3624456.00	16.08067	490380.00	3624456.00	16.75076
490390.00	3624456.00	17.03644	490400.00	3624456.00	16.93784
490410.00	3624456.00	16.51437	490420.00	3624456.00	15.81831
490430.00	3624456.00	14.89688	490440.00	3624456.00	13.86750
490450.00	3624456.00	12.78766	490460.00	3624456.00	11.67238
490210.00	3624466.00	2.45966	490220.00	3624466.00	2.75305
490230.00	3624466.00	3.10839	490240.00	3624466.00	3.54234
490250.00	3624466.00	4.08597	490370.00	3624466.00	21.03696
490380.00	3624466.00	21.66539	490390.00	3624466.00	21.54958
490400.00	3624466.00	20.85892	490410.00	3624466.00	19.83679
490420.00	3624466.00	18.59740	490430.00	3624466.00	17.17253
490440.00	3624466.00	15.72951	490450.00	3624466.00	14.19180
490460.00	3624466.00	12.70978	490210.00	3624476.00	2.58499
490220.00	3624476.00	2.91754	490230.00	3624476.00	3.33246
490240.00	3624476.00	3.83459	490250.00	3624476.00	4.46569
490370.00	3624476.00	28.17357	490380.00	3624476.00	28.38061
490390.00	3624476.00	27.55989	490400.00	3624476.00	25.91986
490410.00	3624476.00	23.27496	490420.00	3624476.00	20.99334
490430.00	3624476.00	19.04371	490440.00	3624476.00	17.06611
490450.00	3624476.00	15.21075	490460.00	3624476.00	13.41982
490210.00	3624486.00	2.70302	490220.00	3624486.00	3.07318
490230.00	3624486.00	3.53466	490240.00	3624486.00	4.12279

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: NB2 ***
INCLUDING SOURCE(S): L0000384 , L0000385 , L0000386 , L0000387 , L0000388 ,
L0000389 , L0000390 , L0000391 , L0000392 , L0000393 , L0000394 , L0000395 , L0000396 ,
L0000397 , L0000398 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
490250.00	3624486.00	4.84517	490380.00	3624486.00	38.57299
490390.00	3624486.00	36.31332	490400.00	3624486.00	32.29906
490410.00	3624486.00	26.23616	490420.00	3624486.00	22.88927
490430.00	3624486.00	20.03028	490440.00	3624486.00	17.55898
490450.00	3624486.00	15.38772	490460.00	3624486.00	13.67056
490210.00	3624496.00	2.81467	490220.00	3624496.00	3.22754
490230.00	3624496.00	3.72996	490240.00	3624496.00	4.39595
490250.00	3624496.00	5.21064	490390.00	3624496.00	48.77904
490400.00	3624496.00	41.52571	490410.00	3624496.00	33.49896
490420.00	3624496.00	28.18739	490430.00	3624496.00	23.54517
490440.00	3624496.00	19.48364	490450.00	3624496.00	16.38763
490460.00	3624496.00	13.88695	490210.00	3624506.00	2.90723
490220.00	3624506.00	3.35271	490230.00	3624506.00	3.91754
490240.00	3624506.00	4.62592	490250.00	3624506.00	5.54901
490400.00	3624506.00	54.72889	490410.00	3624506.00	44.35229
490420.00	3624506.00	35.58988	490430.00	3624506.00	27.96625
490440.00	3624506.00	22.64690	490450.00	3624506.00	18.30608
490460.00	3624506.00	14.83537	490210.00	3624516.00	2.97931
490220.00	3624516.00	3.45540	490230.00	3624516.00	4.03549
490240.00	3624516.00	4.79874	490250.00	3624516.00	5.80063
490410.00	3624516.00	51.35609	490420.00	3624516.00	39.14550
490430.00	3624516.00	30.11365	490440.00	3624516.00	23.89385
490450.00	3624516.00	19.21220	490460.00	3624516.00	15.48786
490210.00	3624526.00	3.02392	490220.00	3624526.00	3.51602
490230.00	3624526.00	4.12490	490240.00	3624526.00	4.90736
490250.00	3624526.00	5.95082	490410.00	3624526.00	55.92550
490420.00	3624526.00	40.92028	490430.00	3624526.00	30.70689
490440.00	3624526.00	23.96232	490450.00	3624526.00	19.08754
490460.00	3624526.00	15.22819	490210.00	3624536.00	3.03853
490220.00	3624536.00	3.52201	490230.00	3624536.00	4.15189
490240.00	3624536.00	4.92435	490250.00	3624536.00	5.98874
490410.00	3624536.00	55.37292	490420.00	3624536.00	39.52883
490430.00	3624536.00	29.51383	490440.00	3624536.00	22.99619
490450.00	3624536.00	18.47781	490460.00	3624536.00	14.86062
490210.00	3624546.00	3.02630	490220.00	3624546.00	3.49387
490230.00	3624546.00	4.09924	490240.00	3624546.00	4.87512
490250.00	3624546.00	5.92130	490410.00	3624546.00	48.80926
490420.00	3624546.00	35.55105	490430.00	3624546.00	26.97613
490440.00	3624546.00	21.25200	490450.00	3624546.00	17.15580
490460.00	3624546.00	14.12311	490210.00	3624556.00	2.98085

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: NB2 ***
INCLUDING SOURCE(S): L0000384 , L0000385 , L0000386 , L0000387 , L0000388 ,
L0000389 , L0000390 , L0000391 , L0000392 , L0000393 , L0000394 , L0000395 , L0000396 ,
L0000397 , L0000398 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
490220.00	3624556.00	3.44499	490230.00	3624556.00	4.03108
490240.00	3624556.00	4.78610	490250.00	3624556.00	5.78158
490410.00	3624556.00	39.65843	490420.00	3624556.00	30.35289
490430.00	3624556.00	23.76897	490440.00	3624556.00	19.10589
490450.00	3624556.00	15.65268	490460.00	3624556.00	13.01110
490210.00	3624566.00	2.92706	490220.00	3624566.00	3.37508
490230.00	3624566.00	3.93619	490240.00	3624566.00	4.65343
490250.00	3624566.00	5.58317	490260.00	3624566.00	6.80522
490270.00	3624566.00	8.51150	490280.00	3624566.00	11.01298
490290.00	3624566.00	14.66784	490300.00	3624566.00	20.33000
490310.00	3624566.00	28.29268	490320.00	3624566.00	38.75730
490330.00	3624566.00	50.24191	490340.00	3624566.00	60.37019
490350.00	3624566.00	66.49666	490360.00	3624566.00	68.28244
490370.00	3624566.00	65.85381	490380.00	3624566.00	59.58951
490390.00	3624566.00	50.01821	490400.00	3624566.00	39.85491
490410.00	3624566.00	31.42983	490420.00	3624566.00	25.20290
490430.00	3624566.00	20.40975	490440.00	3624566.00	16.80215
490450.00	3624566.00	14.00608	490460.00	3624566.00	11.84174
490210.00	3624576.00	2.82617	490220.00	3624576.00	3.23604
490230.00	3624576.00	3.76003	490240.00	3624576.00	4.39654
490250.00	3624576.00	5.24933	490260.00	3624576.00	6.33247
490270.00	3624576.00	7.76289	490280.00	3624576.00	9.84687
490290.00	3624576.00	12.72920	490300.00	3624576.00	16.57107
490310.00	3624576.00	21.87040	490320.00	3624576.00	28.19608
490330.00	3624576.00	34.51507	490340.00	3624576.00	40.11643
490350.00	3624576.00	43.71931	490360.00	3624576.00	45.08848
490370.00	3624576.00	43.97869	490380.00	3624576.00	40.69624
490390.00	3624576.00	35.77662	490400.00	3624576.00	30.22944
490410.00	3624576.00	25.06537	490420.00	3624576.00	20.87814
490430.00	3624576.00	17.42617	490440.00	3624576.00	14.67393
490450.00	3624576.00	12.45075	490460.00	3624576.00	10.67760
490210.00	3624586.00	2.71603	490220.00	3624586.00	3.10494
490230.00	3624586.00	3.56962	490240.00	3624586.00	4.14983
490250.00	3624586.00	4.88854	490260.00	3624586.00	5.85628
490270.00	3624586.00	7.10031	490280.00	3624586.00	8.83254
490290.00	3624586.00	10.95831	490300.00	3624586.00	13.79954
490310.00	3624586.00	17.14505	490320.00	3624586.00	21.17659
490330.00	3624586.00	25.04512	490340.00	3624586.00	28.31862
490350.00	3624586.00	30.54507	490360.00	3624586.00	31.58786
490370.00	3624586.00	31.21728	490380.00	3624586.00	29.53916

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: NB2 ***
INCLUDING SOURCE(S): L0000384 , L0000385 , L0000386 , L0000387 , L0000388 ,
L0000389 , L0000390 , L0000391 , L0000392 , L0000393 , L0000394 , L0000395 , L0000396 ,
L0000397 , L0000398 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
490390.00	3624586.00	26.82351	490400.00	3624586.00	23.54660
490410.00	3624586.00	20.27640	490420.00	3624586.00	17.46344
490430.00	3624586.00	14.95292	490440.00	3624586.00	12.83527
490450.00	3624586.00	11.06026	490460.00	3624586.00	9.60986
490210.00	3624596.00	2.60870	490220.00	3624596.00	2.96147
490230.00	3624596.00	3.38282	490240.00	3624596.00	3.91279
490250.00	3624596.00	4.54906	490260.00	3624596.00	5.38409
490270.00	3624596.00	6.44081	490280.00	3624596.00	7.81933
490290.00	3624596.00	9.39342	490300.00	3624596.00	11.47410
490310.00	3624596.00	13.73947	490320.00	3624596.00	16.37060
490330.00	3624596.00	18.92999	490340.00	3624596.00	20.96582
490350.00	3624596.00	22.45038	490360.00	3624596.00	23.29971
490370.00	3624596.00	23.30194	490380.00	3624596.00	22.46009
490390.00	3624596.00	20.86987	490400.00	3624596.00	18.79242
490410.00	3624596.00	16.64502	490420.00	3624596.00	14.65331
490430.00	3624596.00	12.82482	490440.00	3624596.00	11.21982
490450.00	3624596.00	9.83216	490460.00	3624596.00	8.65525
490210.00	3624606.00	2.48887	490220.00	3624606.00	2.79984
490230.00	3624606.00	3.17861	490240.00	3624606.00	3.63723
490250.00	3624606.00	4.22111	490260.00	3624606.00	4.92082
490270.00	3624606.00	5.79128	490280.00	3624606.00	6.88008
490290.00	3624606.00	8.12288	490300.00	3624606.00	9.60213
490310.00	3624606.00	11.21025	490320.00	3624606.00	12.98910
490330.00	3624606.00	14.76153	490340.00	3624606.00	16.15506
490350.00	3624606.00	17.21150	490360.00	3624606.00	17.93735
490370.00	3624606.00	18.12873	490380.00	3624606.00	17.73441
490390.00	3624606.00	16.77425	490400.00	3624606.00	15.30799
490410.00	3624606.00	13.86527	490420.00	3624606.00	12.46278
490430.00	3624606.00	11.11520	490440.00	3624606.00	9.88456
490450.00	3624606.00	8.78568	490460.00	3624606.00	7.82102
490210.00	3624616.00	2.36710	490220.00	3624616.00	2.64926
490230.00	3624616.00	2.98543	490240.00	3624616.00	3.39354
490250.00	3624616.00	3.90296	490260.00	3624616.00	4.49696
490270.00	3624616.00	5.21514	490280.00	3624616.00	6.09334
490290.00	3624616.00	7.04298	490300.00	3624616.00	8.11846
490310.00	3624616.00	9.31339	490320.00	3624616.00	10.59114
490330.00	3624616.00	11.84502	490340.00	3624616.00	12.81935
490350.00	3624616.00	13.66446	490360.00	3624616.00	14.25497
490370.00	3624616.00	14.50077	490380.00	3624616.00	14.31774
490390.00	3624616.00	13.70682	490400.00	3624616.00	12.68163

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: NB2 ***
INCLUDING SOURCE(S): L0000384 , L0000385 , L0000386 , L0000387 , L0000388 ,
L0000389 , L0000390 , L0000391 , L0000392 , L0000393 , L0000394 , L0000395 , L0000396 ,
L0000397 , L0000398 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
490410.00	3624616.00	11.68888	490420.00	3624616.00	10.71310
490430.00	3624616.00	9.71626	490440.00	3624616.00	8.76739
490450.00	3624616.00	7.88338	490460.00	3624616.00	7.08678
490307.00	3624461.00	8.61104	490317.00	3624461.00	9.93776
490307.00	3624471.00	10.57894	490317.00	3624471.00	12.49098
490307.00	3624481.00	13.19053	490317.00	3624481.00	16.05823
490307.00	3624491.00	16.70941	490317.00	3624491.00	21.33624
490307.00	3624501.00	21.43183	490317.00	3624501.00	29.33020
490307.00	3624511.00	27.65094	490317.00	3624511.00	40.91880
490307.00	3624521.00	34.18315	490317.00	3624521.00	57.41409
490276.00	3624433.00	3.88107	490286.00	3624433.00	4.27117
490296.00	3624433.00	4.72467	490276.00	3624443.00	4.36261
490286.00	3624443.00	4.87754	490296.00	3624443.00	5.46774
490276.00	3624453.00	4.96064	490286.00	3624453.00	5.65302
490296.00	3624453.00	6.42764	490276.00	3624463.00	5.64819
490286.00	3624463.00	6.53421	490296.00	3624463.00	7.61219
490276.00	3624473.00	6.43126	490286.00	3624473.00	7.56039
490296.00	3624473.00	9.11627	490276.00	3624481.00	7.13157
490286.00	3624481.00	8.51366	490296.00	3624481.00	10.50442
490276.00	3624491.00	8.09084	490286.00	3624491.00	9.94049
490296.00	3624491.00	12.65232	490276.00	3624501.00	9.06579
490286.00	3624501.00	11.57255	490296.00	3624501.00	15.33855
490276.00	3624511.00	9.92930	490286.00	3624511.00	13.13645
490296.00	3624511.00	18.36490	490276.00	3624521.00	10.63811
490286.00	3624521.00	14.45473	490296.00	3624521.00	21.19686
490279.00	3624525.00	11.84754	490289.00	3624525.00	16.62515
490299.00	3624525.00	25.19262	490309.00	3624525.00	40.06523
490319.00	3624525.00	56.35795	490279.00	3624535.00	12.13611
490289.00	3624535.00	17.30398	490299.00	3624535.00	26.59408
490309.00	3624535.00	44.11653	490319.00	3624535.00	63.86690
490279.00	3624545.00	12.15508	490289.00	3624545.00	17.18797
490299.00	3624545.00	25.87909	490309.00	3624545.00	41.72069
490319.00	3624545.00	71.13863	490298.00	3624431.00	4.70310
490298.00	3624441.00	5.42687	490308.00	3624441.00	6.06192
490318.00	3624441.00	6.74019	490298.00	3624451.00	6.37613
490308.00	3624451.00	7.21753	490318.00	3624451.00	8.20865

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: NB3 ***
INCLUDING SOURCE(S): L0000399 , L0000400 , L0000401 , L0000402 , L0000403 ,
L0000404 , L0000405 , L0000406 , L0000407 , L0000408 , L0000409 , L0000410 , L0000411 ,
L0000412 , L0000413 , L0000414 , L0000415 , L0000416 , L0000417 , L0000418 , L0000419 ,
L0000420 , L0000421 , L0000422 , L0000423 , L0000424 , L0000425 , L0000426 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
489960.00	3624026.00	0.20276	490010.00	3624026.00	0.22360
490060.00	3624026.00	0.24592	490110.00	3624026.00	0.26933
490160.00	3624026.00	0.29293	490210.00	3624026.00	0.31559
490260.00	3624026.00	0.33866	490310.00	3624026.00	0.35789
490360.00	3624026.00	0.38076	490410.00	3624026.00	0.40141
490460.00	3624026.00	0.43291	490510.00	3624026.00	0.46429
490560.00	3624026.00	0.49178	490610.00	3624026.00	0.51380
490660.00	3624026.00	0.52840	490710.00	3624026.00	0.53267
489960.00	3624076.00	0.22830	490010.00	3624076.00	0.25546
490060.00	3624076.00	0.28496	490110.00	3624076.00	0.31699
490160.00	3624076.00	0.34993	490210.00	3624076.00	0.38261
490260.00	3624076.00	0.41552	490310.00	3624076.00	0.44389
490360.00	3624076.00	0.47667	490410.00	3624076.00	0.50952
490460.00	3624076.00	0.55631	490510.00	3624076.00	0.60058
490560.00	3624076.00	0.63611	490610.00	3624076.00	0.65943
490660.00	3624076.00	0.66780	490710.00	3624076.00	0.65985
489960.00	3624126.00	0.25741	490010.00	3624126.00	0.29229
490060.00	3624126.00	0.33262	490110.00	3624126.00	0.37732
490160.00	3624126.00	0.42506	490210.00	3624126.00	0.47313
490260.00	3624126.00	0.52331	490310.00	3624126.00	0.56813
490360.00	3624126.00	0.61590	490410.00	3624126.00	0.67055
490460.00	3624126.00	0.74346	490510.00	3624126.00	0.80340
490560.00	3624126.00	0.84460	490610.00	3624126.00	0.86081
490660.00	3624126.00	0.84994	490710.00	3624126.00	0.81641
489960.00	3624176.00	0.29041	490010.00	3624176.00	0.33597
490060.00	3624176.00	0.39101	490110.00	3624176.00	0.45497
490160.00	3624176.00	0.52655	490210.00	3624176.00	0.60258
490260.00	3624176.00	0.67979	490310.00	3624176.00	0.74741
490360.00	3624176.00	0.82688	490410.00	3624176.00	0.92428
490460.00	3624176.00	1.04278	490510.00	3624176.00	1.11817
490560.00	3624176.00	1.14999	490610.00	3624176.00	1.13490
490660.00	3624176.00	1.08019	490710.00	3624176.00	1.00001
489960.00	3624226.00	0.32686	490010.00	3624226.00	0.38661
490060.00	3624226.00	0.46219	490110.00	3624226.00	0.55538
490160.00	3624226.00	0.66574	490210.00	3624226.00	0.79191
490260.00	3624226.00	0.92523	490310.00	3624226.00	1.04746
490360.00	3624226.00	1.19622	490410.00	3624226.00	1.38997
490460.00	3624226.00	1.54361	490510.00	3624226.00	1.61564
490560.00	3624226.00	1.59111	490610.00	3624226.00	1.49367
490660.00	3624226.00	1.35497	490710.00	3624226.00	1.19888

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: NB3 ***
INCLUDING SOURCE(S): L0000399 , L0000400 , L0000401 , L0000402 , L0000403 ,
L0000404 , L0000405 , L0000406 , L0000407 , L0000408 , L0000409 , L0000410 , L0000411 ,
L0000412 , L0000413 , L0000414 , L0000415 , L0000416 , L0000417 , L0000418 , L0000419 ,
L0000420 , L0000421 , L0000422 , L0000423 , L0000424 , L0000425 , L0000426 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
489960.00	3624276.00	0.36554	490010.00	3624276.00	0.44297
490060.00	3624276.00	0.54690	490110.00	3624276.00	0.68330
490160.00	3624276.00	0.85875	490210.00	3624276.00	1.08054
490260.00	3624276.00	1.33370	490310.00	3624276.00	1.60516
490360.00	3624276.00	1.90197	490410.00	3624276.00	2.26486
490460.00	3624276.00	2.42773	490510.00	3624276.00	2.39127
490560.00	3624276.00	2.19405	490610.00	3624276.00	1.92446
490660.00	3624276.00	1.64365	490710.00	3624276.00	1.38681
489960.00	3624326.00	0.40286	490010.00	3624326.00	0.50103
490060.00	3624326.00	0.64132	490110.00	3624326.00	0.84017
490160.00	3624326.00	1.12460	490210.00	3624326.00	1.54057
490260.00	3624326.00	2.09376	490310.00	3624326.00	2.76261
490360.00	3624326.00	3.51543	490410.00	3624326.00	4.12203
490460.00	3624326.00	4.00912	490510.00	3624326.00	3.52666
490560.00	3624326.00	2.92449	490610.00	3624326.00	2.36274
490660.00	3624326.00	1.89182	490710.00	3624326.00	1.52556
489960.00	3624376.00	0.43698	490010.00	3624376.00	0.55792
490060.00	3624376.00	0.73842	490110.00	3624376.00	1.01864
490160.00	3624376.00	1.47917	490410.00	3624376.00	8.41102
490460.00	3624376.00	6.56188	490510.00	3624376.00	4.91004
490560.00	3624376.00	3.62468	490610.00	3624376.00	2.69523
490660.00	3624376.00	2.03834	490710.00	3624376.00	1.57587
489960.00	3624426.00	0.46194	490010.00	3624426.00	0.59983
490060.00	3624426.00	0.81336	490110.00	3624426.00	1.17126
490160.00	3624426.00	1.80983	490410.00	3624426.00	16.27195
490460.00	3624426.00	9.56333	490510.00	3624426.00	5.98453
490560.00	3624426.00	4.03017	490610.00	3624426.00	2.79074
490660.00	3624426.00	2.02420	490710.00	3624426.00	1.51670
489960.00	3624476.00	0.47304	490010.00	3624476.00	0.62189
490060.00	3624476.00	0.85162	490110.00	3624476.00	1.25439
490160.00	3624476.00	1.99336	490410.00	3624476.00	22.89754
490460.00	3624476.00	11.11062	490510.00	3624476.00	6.16710
490560.00	3624476.00	3.91510	490610.00	3624476.00	2.59829
490660.00	3624476.00	1.84723	490710.00	3624476.00	1.36840
489960.00	3624526.00	0.47074	490010.00	3624526.00	0.60561
490060.00	3624526.00	0.83862	490110.00	3624526.00	1.22539
490160.00	3624526.00	1.94635	490410.00	3624526.00	33.21476
490460.00	3624526.00	10.22742	490510.00	3624526.00	5.11586
490560.00	3624526.00	3.31696	490610.00	3624526.00	2.21738
490660.00	3624526.00	1.57673	490710.00	3624526.00	1.18133

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: NB3 ***
INCLUDING SOURCE(S): L0000399 , L0000400 , L0000401 , L0000402 , L0000403 ,
L0000404 , L0000405 , L0000406 , L0000407 , L0000408 , L0000409 , L0000410 , L0000411 ,
L0000412 , L0000413 , L0000414 , L0000415 , L0000416 , L0000417 , L0000418 , L0000419 ,
L0000420 , L0000421 , L0000422 , L0000423 , L0000424 , L0000425 , L0000426 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
489960.00	3624576.00	0.42921	490010.00	3624576.00	0.55537
490060.00	3624576.00	0.74321	490110.00	3624576.00	1.08649
490160.00	3624576.00	1.71424	490210.00	3624576.00	2.97511
490260.00	3624576.00	6.14691	490310.00	3624576.00	14.73373
490360.00	3624576.00	21.98525	490410.00	3624576.00	14.21026
490460.00	3624576.00	7.06166	490510.00	3624576.00	3.73013
490560.00	3624576.00	2.45644	490610.00	3624576.00	1.82478
490660.00	3624576.00	1.32779	490710.00	3624576.00	1.01039
489960.00	3624626.00	0.39822	490010.00	3624626.00	0.50516
490060.00	3624626.00	0.65596	490110.00	3624626.00	0.95544
490160.00	3624626.00	1.39758	490210.00	3624626.00	2.16590
490260.00	3624626.00	3.60059	490310.00	3624626.00	5.76507
490360.00	3624626.00	7.35933	490410.00	3624626.00	6.38912
490460.00	3624626.00	4.48059	490510.00	3624626.00	2.98860
490560.00	3624626.00	1.93151	490610.00	3624626.00	1.49477
490660.00	3624626.00	1.14212	490710.00	3624626.00	0.88243
489960.00	3624676.00	0.36706	490010.00	3624676.00	0.46668
490060.00	3624676.00	0.61520	490110.00	3624676.00	0.81311
490160.00	3624676.00	1.10896	490210.00	3624676.00	1.58280
490260.00	3624676.00	2.29676	490310.00	3624676.00	3.14393
490360.00	3624676.00	3.73005	490410.00	3624676.00	3.54225
490460.00	3624676.00	2.76598	490510.00	3624676.00	2.14135
490560.00	3624676.00	1.60955	490610.00	3624676.00	1.18559
490660.00	3624676.00	0.99205	490710.00	3624676.00	0.78946
489960.00	3624726.00	0.35057	490010.00	3624726.00	0.43330
490060.00	3624726.00	0.53593	490110.00	3624726.00	0.67872
490160.00	3624726.00	0.88471	490210.00	3624726.00	1.18964
490260.00	3624726.00	1.58930	490310.00	3624726.00	1.98508
490360.00	3624726.00	2.25894	490410.00	3624726.00	2.24676
490460.00	3624726.00	2.04524	490510.00	3624726.00	1.72445
490560.00	3624726.00	1.38379	490610.00	3624726.00	1.01125
490660.00	3624726.00	0.80938	490710.00	3624726.00	0.70953
489960.00	3624776.00	0.32173	490010.00	3624776.00	0.38329
490060.00	3624776.00	0.46355	490110.00	3624776.00	0.57239
490160.00	3624776.00	0.72016	490210.00	3624776.00	0.91653
490260.00	3624776.00	1.14867	490310.00	3624776.00	1.37789
490360.00	3624776.00	1.53667	490410.00	3624776.00	1.57135
490460.00	3624776.00	1.49250	490510.00	3624776.00	1.32537
490560.00	3624776.00	1.12631	490610.00	3624776.00	0.93166
490660.00	3624776.00	0.70962	490710.00	3624776.00	0.59082

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: NB3 ***
INCLUDING SOURCE(S): L0000399 , L0000400 , L0000401 , L0000402 , L0000403 ,
L0000404 , L0000405 , L0000406 , L0000407 , L0000408 , L0000409 , L0000410 , L0000411 ,
L0000412 , L0000413 , L0000414 , L0000415 , L0000416 , L0000417 , L0000418 , L0000419 ,
L0000420 , L0000421 , L0000422 , L0000423 , L0000424 , L0000425 , L0000426 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
489960.00	3624826.00	0.28668	490010.00	3624826.00	0.33650
490060.00	3624826.00	0.39958	490110.00	3624826.00	0.47923
490160.00	3624826.00	0.58865	490210.00	3624826.00	0.71809
490260.00	3624826.00	0.86904	490310.00	3624826.00	1.01071
490360.00	3624826.00	1.11147	490410.00	3624826.00	1.14760
490460.00	3624826.00	1.11669	490510.00	3624826.00	1.03167
490560.00	3624826.00	0.91690	490610.00	3624826.00	0.79330
490660.00	3624826.00	0.66343	490710.00	3624826.00	0.52599
489960.00	3624876.00	0.25728	490010.00	3624876.00	0.29650
490060.00	3624876.00	0.34685	490110.00	3624876.00	0.41074
490160.00	3624876.00	0.48931	490210.00	3624876.00	0.58123
490260.00	3624876.00	0.68192	490310.00	3624876.00	0.77469
490360.00	3624876.00	0.84169	490410.00	3624876.00	0.87197
490460.00	3624876.00	0.86233	490510.00	3624876.00	0.81812
490560.00	3624876.00	0.74977	490610.00	3624876.00	0.66989
490660.00	3624876.00	0.58284	490710.00	3624876.00	0.47505
490210.00	3624326.00	1.54057	490220.00	3624326.00	1.62996
490230.00	3624326.00	1.72977	490240.00	3624326.00	1.83766
490250.00	3624326.00	1.96588	490260.00	3624326.00	2.09376
490270.00	3624326.00	2.20953	490280.00	3624326.00	2.32763
490290.00	3624326.00	2.45562	490300.00	3624326.00	2.60234
490310.00	3624326.00	2.76261	490320.00	3624326.00	2.89464
490330.00	3624326.00	3.04164	490340.00	3624326.00	3.19766
490350.00	3624326.00	3.37050	490360.00	3624326.00	3.51543
490370.00	3624326.00	3.68601	490380.00	3624326.00	3.85895
490390.00	3624326.00	3.99107	490400.00	3624326.00	4.07346
490410.00	3624326.00	4.12203	490420.00	3624326.00	4.13736
490430.00	3624326.00	4.14021	490440.00	3624326.00	4.11811
490450.00	3624326.00	4.07154	490460.00	3624326.00	4.00912
490210.00	3624336.00	1.66235	490220.00	3624336.00	1.76490
490230.00	3624336.00	1.88075	490240.00	3624336.00	2.00873
490250.00	3624336.00	2.16542	490260.00	3624336.00	2.31927
490270.00	3624336.00	2.45728	490280.00	3624336.00	2.60314
490290.00	3624336.00	2.76645	490300.00	3624336.00	2.95029
490310.00	3624336.00	3.14683	490320.00	3624336.00	3.30770
490330.00	3624336.00	3.48767	490340.00	3624336.00	3.68231
490350.00	3624336.00	3.90684	490360.00	3624336.00	4.08795
490370.00	3624336.00	4.28305	490380.00	3624336.00	4.47254
490390.00	3624336.00	4.61598	490400.00	3624336.00	4.69107
490410.00	3624336.00	4.71863	490420.00	3624336.00	4.70913

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: NB3 ***
INCLUDING SOURCE(S): L0000399 , L0000400 , L0000401 , L0000402 , L0000403 ,
L0000404 , L0000405 , L0000406 , L0000407 , L0000408 , L0000409 , L0000410 , L0000411 ,
L0000412 , L0000413 , L0000414 , L0000415 , L0000416 , L0000417 , L0000418 , L0000419 ,
L0000420 , L0000421 , L0000422 , L0000423 , L0000424 , L0000425 , L0000426 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
490430.00	3624336.00	4.68281	490440.00	3624336.00	4.62400
490450.00	3624336.00	4.54052	490460.00	3624336.00	4.44138
490210.00	3624346.00	1.79787	490220.00	3624346.00	1.91980
490230.00	3624346.00	2.05885	490240.00	3624346.00	2.21190
490250.00	3624346.00	2.39454	490260.00	3624346.00	2.58234
490270.00	3624346.00	2.74978	490280.00	3624346.00	2.93895
490290.00	3624346.00	3.14655	490300.00	3624346.00	3.37660
490310.00	3624346.00	3.62408	490320.00	3624346.00	3.83114
490330.00	3624346.00	4.06122	490340.00	3624346.00	4.30244
490350.00	3624346.00	4.58391	490360.00	3624346.00	4.81299
490370.00	3624346.00	5.03611	490380.00	3624346.00	5.24498
490390.00	3624346.00	5.38337	490400.00	3624346.00	5.43382
490410.00	3624346.00	5.42505	490420.00	3624346.00	5.37758
490430.00	3624346.00	5.30317	490440.00	3624346.00	5.19553
490450.00	3624346.00	5.06422	490460.00	3624346.00	4.91828
490210.00	3624356.00	1.94259	490220.00	3624356.00	2.09574
490230.00	3624356.00	2.26547	490240.00	3624356.00	2.45130
490250.00	3624356.00	2.66159	490260.00	3624356.00	2.89089
490270.00	3624356.00	3.11569	490280.00	3624356.00	3.36532
490290.00	3624356.00	3.63173	490300.00	3624356.00	3.91773
490310.00	3624356.00	4.21795	490320.00	3624356.00	4.50142
490330.00	3624356.00	4.80059	490340.00	3624356.00	5.11461
490350.00	3624356.00	5.44755	490360.00	3624356.00	5.74305
490370.00	3624356.00	6.00317	490380.00	3624356.00	6.22056
490390.00	3624356.00	6.33018	490400.00	3624356.00	6.33514
490410.00	3624356.00	6.26627	490420.00	3624356.00	6.15713
490430.00	3624356.00	6.01023	490440.00	3624356.00	5.83489
490450.00	3624356.00	5.64107	490460.00	3624356.00	5.43533
490210.00	3624366.00	2.09552	490220.00	3624366.00	2.28220
490230.00	3624366.00	2.48780	490240.00	3624366.00	2.71542
490250.00	3624366.00	2.97689	490370.00	3624366.00	7.26329
490380.00	3624366.00	7.45237	490390.00	3624366.00	7.50304
490400.00	3624366.00	7.42198	490410.00	3624366.00	7.26119
490420.00	3624366.00	7.04932	490430.00	3624366.00	6.80423
490440.00	3624366.00	6.54069	490450.00	3624366.00	6.26678
490460.00	3624366.00	5.98680	490210.00	3624376.00	2.27296
490220.00	3624376.00	2.48402	490230.00	3624376.00	2.72726
490240.00	3624376.00	3.00030	490250.00	3624376.00	3.32923
490370.00	3624376.00	8.91441	490380.00	3624376.00	9.03058
490390.00	3624376.00	8.95604	490400.00	3624376.00	8.72514

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: NB3 ***
INCLUDING SOURCE(S): L0000399 , L0000400 , L0000401 , L0000402 , L0000403 ,
L0000404 , L0000405 , L0000406 , L0000407 , L0000408 , L0000409 , L0000410 , L0000411 ,
L0000412 , L0000413 , L0000414 , L0000415 , L0000416 , L0000417 , L0000418 , L0000419 ,
L0000420 , L0000421 , L0000422 , L0000423 , L0000424 , L0000425 , L0000426 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
490410.00	3624376.00	8.41102	490420.00	3624376.00	8.05993
490430.00	3624376.00	7.68182	490440.00	3624376.00	7.30153
490450.00	3624376.00	6.93009	490460.00	3624376.00	6.56188
490210.00	3624386.00	2.44044	490220.00	3624386.00	2.67229
490230.00	3624386.00	2.95659	490240.00	3624386.00	3.28203
490250.00	3624386.00	3.67121	490370.00	3624386.00	11.12350
490380.00	3624386.00	11.05208	490390.00	3624386.00	10.74918
490400.00	3624386.00	10.27651	490410.00	3624386.00	9.73844
490420.00	3624386.00	9.19955	490430.00	3624386.00	8.65134
490440.00	3624386.00	8.10894	490450.00	3624386.00	7.62172
490460.00	3624386.00	7.15649	490210.00	3624396.00	2.62396
490220.00	3624396.00	2.90296	490230.00	3624396.00	3.23783
490240.00	3624396.00	3.62596	490250.00	3624396.00	4.10935
490370.00	3624396.00	14.16514	490380.00	3624396.00	13.65463
490390.00	3624396.00	12.92192	490400.00	3624396.00	12.07408
490410.00	3624396.00	11.23727	490420.00	3624396.00	10.43730
490430.00	3624396.00	9.69107	490440.00	3624396.00	8.96945
490450.00	3624396.00	8.33661	490460.00	3624396.00	7.76235
490210.00	3624406.00	2.81403	490220.00	3624406.00	3.14324
490230.00	3624406.00	3.54061	490240.00	3624406.00	3.99776
490250.00	3624406.00	4.60848	490370.00	3624406.00	18.25468
490380.00	3624406.00	16.92071	490390.00	3624406.00	15.47707
490400.00	3624406.00	14.09923	490410.00	3624406.00	12.86103
490420.00	3624406.00	11.75320	490430.00	3624406.00	10.78307
490440.00	3624406.00	9.88303	490450.00	3624406.00	9.07300
490460.00	3624406.00	8.36561	490210.00	3624416.00	3.00556
490220.00	3624416.00	3.39045	490230.00	3624416.00	3.87110
490240.00	3624416.00	4.42942	490250.00	3624416.00	5.17913
490370.00	3624416.00	23.49580	490380.00	3624416.00	20.76752
490390.00	3624416.00	18.31073	490400.00	3624416.00	16.26571
490410.00	3624416.00	14.55383	490420.00	3624416.00	13.12002
490430.00	3624416.00	11.89373	490440.00	3624416.00	10.81032
490450.00	3624416.00	9.82094	490460.00	3624416.00	8.96632
490210.00	3624426.00	3.18910	490220.00	3624426.00	3.63125
490230.00	3624426.00	4.16972	490240.00	3624426.00	4.86658
490250.00	3624426.00	5.81882	490370.00	3624426.00	29.54831
490380.00	3624426.00	24.83989	490390.00	3624426.00	21.21741
490400.00	3624426.00	18.46235	490410.00	3624426.00	16.27195
490420.00	3624426.00	14.49441	490430.00	3624426.00	12.99321
490440.00	3624426.00	11.71038	490450.00	3624426.00	10.58313

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: NB3 ***
INCLUDING SOURCE(S): L0000399 , L0000400 , L0000401 , L0000402 , L0000403 ,
L0000404 , L0000405 , L0000406 , L0000407 , L0000408 , L0000409 , L0000410 , L0000411 ,
L0000412 , L0000413 , L0000414 , L0000415 , L0000416 , L0000417 , L0000418 , L0000419 ,
L0000420 , L0000421 , L0000422 , L0000423 , L0000424 , L0000425 , L0000426 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
490460.00	3624426.00	9.56333	490210.00	3624436.00	3.36418
490220.00	3624436.00	3.87026	490230.00	3624436.00	4.49363
490240.00	3624436.00	5.34188	490250.00	3624436.00	6.51757
490370.00	3624436.00	35.20398	490380.00	3624436.00	28.65601
490390.00	3624436.00	23.98352	490400.00	3624436.00	20.57368
490410.00	3624436.00	17.94151	490420.00	3624436.00	15.83578
490430.00	3624436.00	14.03872	490440.00	3624436.00	12.56227
490450.00	3624436.00	11.28845	490460.00	3624436.00	10.13169
490210.00	3624446.00	3.53982	490220.00	3624446.00	4.10949
490230.00	3624446.00	4.85205	490240.00	3624446.00	5.85963
490250.00	3624446.00	7.26008	490370.00	3624446.00	39.59234
490380.00	3624446.00	31.82571	490390.00	3624446.00	26.49298
490400.00	3624446.00	22.57066	490410.00	3624446.00	19.54041
490420.00	3624446.00	17.10749	490430.00	3624446.00	15.07750
490440.00	3624446.00	13.36949	490450.00	3624446.00	11.91323
490460.00	3624446.00	10.61925	490210.00	3624456.00	3.68601
490220.00	3624456.00	4.30483	490230.00	3624456.00	5.10813
490240.00	3624456.00	6.26152	490250.00	3624456.00	7.91852
490370.00	3624456.00	42.99752	490380.00	3624456.00	34.86378
490390.00	3624456.00	28.94781	490400.00	3624456.00	24.51537
490410.00	3624456.00	21.10939	490420.00	3624456.00	18.37372
490430.00	3624456.00	16.06980	490440.00	3624456.00	14.13169
490450.00	3624456.00	12.46935	490460.00	3624456.00	10.99494
490210.00	3624466.00	3.80886	490220.00	3624466.00	4.47744
490230.00	3624466.00	5.38237	490240.00	3624466.00	6.65121
490250.00	3624466.00	8.54742	490370.00	3624466.00	46.32961
490380.00	3624466.00	37.85484	490390.00	3624466.00	31.14152
490400.00	3624466.00	26.07042	490410.00	3624466.00	22.26615
490420.00	3624466.00	19.28036	490430.00	3624466.00	16.77823
490440.00	3624466.00	14.70483	490450.00	3624466.00	12.82948
490460.00	3624466.00	11.20239	490210.00	3624476.00	3.89439
490220.00	3624476.00	4.60906	490230.00	3624476.00	5.60470
490240.00	3624476.00	6.96758	490250.00	3624476.00	8.97869
490370.00	3624476.00	50.93129	490380.00	3624476.00	41.02996
490390.00	3624476.00	33.53801	490400.00	3624476.00	27.86265
490410.00	3624476.00	22.89754	490420.00	3624476.00	19.43115
490430.00	3624476.00	16.88417	490440.00	3624476.00	14.67150
490450.00	3624476.00	12.79171	490460.00	3624476.00	11.11062
490210.00	3624486.00	3.94336	490220.00	3624486.00	4.68421
490230.00	3624486.00	5.70046	490240.00	3624486.00	7.15984

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: NB3 ***
INCLUDING SOURCE(S): L0000399 , L0000400 , L0000401 , L0000402 , L0000403 ,
L0000404 , L0000405 , L0000406 , L0000407 , L0000408 , L0000409 , L0000410 , L0000411 ,
L0000412 , L0000413 , L0000414 , L0000415 , L0000416 , L0000417 , L0000418 , L0000419 ,
L0000420 , L0000421 , L0000422 , L0000423 , L0000424 , L0000425 , L0000426 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
490250.00	3624486.00	9.20874	490380.00	3624486.00	45.65898
490390.00	3624486.00	37.05052	490400.00	3624486.00	29.87539
490410.00	3624486.00	22.81759	490420.00	3624486.00	19.10806
490430.00	3624486.00	16.27060	490440.00	3624486.00	14.00996
490450.00	3624486.00	12.13907	490460.00	3624486.00	10.70694
490210.00	3624496.00	3.96619	490220.00	3624496.00	4.73491
490230.00	3624496.00	5.73926	490240.00	3624496.00	7.22408
490250.00	3624496.00	9.24474	490390.00	3624496.00	41.69673
490400.00	3624496.00	33.33567	490410.00	3624496.00	25.91959
490420.00	3624496.00	21.33330	490430.00	3624496.00	17.61627
490440.00	3624496.00	14.51660	490450.00	3624496.00	12.20496
490460.00	3624496.00	10.36570	490210.00	3624506.00	3.94252
490220.00	3624506.00	4.70448	490230.00	3624506.00	5.73632
490240.00	3624506.00	7.12571	490250.00	3624506.00	9.10851
490400.00	3624506.00	38.81017	490410.00	3624506.00	30.91780
490420.00	3624506.00	24.66041	490430.00	3624506.00	19.42509
490440.00	3624506.00	15.83632	490450.00	3624506.00	12.92781
490460.00	3624506.00	10.59872	490210.00	3624516.00	3.88188
490220.00	3624516.00	4.62976	490230.00	3624516.00	5.57298
490240.00	3624516.00	6.89069	490250.00	3624516.00	8.72966
490410.00	3624516.00	32.80214	490420.00	3624516.00	25.22726
490430.00	3624516.00	19.69246	490440.00	3624516.00	15.88690
490450.00	3624516.00	12.99906	490460.00	3624516.00	10.66969
490210.00	3624526.00	3.78217	490220.00	3624526.00	4.48898
490230.00	3624526.00	5.38199	490240.00	3624526.00	6.56262
490250.00	3624526.00	8.19186	490410.00	3624526.00	33.21476
490420.00	3624526.00	24.88799	490430.00	3624526.00	19.16546
490440.00	3624526.00	15.33778	490450.00	3624526.00	12.51624
490460.00	3624526.00	10.22742	490210.00	3624536.00	3.65037
490220.00	3624536.00	4.28174	490230.00	3624536.00	5.12117
490240.00	3624536.00	6.14467	490250.00	3624536.00	7.57515
490410.00	3624536.00	31.21836	490420.00	3624536.00	23.11170
490430.00	3624536.00	17.85844	490440.00	3624536.00	14.35547
490450.00	3624536.00	11.86144	490460.00	3624536.00	9.80132
490210.00	3624546.00	3.50052	490220.00	3624546.00	4.06052
490230.00	3624546.00	4.79035	490240.00	3624546.00	5.71696
490250.00	3624546.00	6.94816	490410.00	3624546.00	26.94142
490420.00	3624546.00	20.41198	490430.00	3624546.00	16.08112
490440.00	3624546.00	13.10502	490450.00	3624546.00	10.90607
490460.00	3624546.00	9.22593	490210.00	3624556.00	3.32785

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: NB3 ***
INCLUDING SOURCE(S): L0000399 , L0000400 , L0000401 , L0000402 , L0000403 ,
L0000404 , L0000405 , L0000406 , L0000407 , L0000408 , L0000409 , L0000410 , L0000411 ,
L0000412 , L0000413 , L0000414 , L0000415 , L0000416 , L0000417 , L0000418 , L0000419 ,
L0000420 , L0000421 , L0000422 , L0000423 , L0000424 , L0000425 , L0000426 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
490220.00	3624556.00	3.84976	490230.00	3624556.00	4.50118
490240.00	3624556.00	5.32205	490250.00	3624556.00	6.36560
490410.00	3624556.00	21.81024	490420.00	3624556.00	17.39397
490430.00	3624556.00	14.14701	490440.00	3624556.00	11.76424
490450.00	3624556.00	9.93713	490460.00	3624556.00	8.49146
490210.00	3624566.00	3.17088	490220.00	3624566.00	3.64542
490230.00	3624566.00	4.22582	490240.00	3624566.00	4.94168
490250.00	3624566.00	5.82150	490260.00	3624566.00	6.90669
490270.00	3624566.00	8.28380	490280.00	3624566.00	10.06508
490290.00	3624566.00	12.34994	490300.00	3624566.00	15.39751
490310.00	3624566.00	19.07886	490320.00	3624566.00	23.11166
490330.00	3624566.00	26.56286	490340.00	3624566.00	29.10864
490350.00	3624566.00	30.43750	490360.00	3624566.00	30.66770
490370.00	3624566.00	29.83858	490380.00	3624566.00	27.99747
490390.00	3624566.00	24.92780	490400.00	3624566.00	21.08644
490410.00	3624566.00	17.46780	490420.00	3624566.00	14.58525
490430.00	3624566.00	12.25148	490440.00	3624566.00	10.41915
490450.00	3624566.00	8.94489	490460.00	3624566.00	7.76427
490210.00	3624576.00	2.97511	490220.00	3624576.00	3.38600
490230.00	3624576.00	3.89998	490240.00	3624576.00	4.49688
490250.00	3624576.00	5.25264	490260.00	3624576.00	6.14691
490270.00	3624576.00	7.22891	490280.00	3624576.00	8.61864
490290.00	3624576.00	10.32384	490300.00	3624576.00	12.33920
490310.00	3624576.00	14.73373	490320.00	3624576.00	17.19101
490330.00	3624576.00	19.26774	490340.00	3624576.00	20.88210
490350.00	3624576.00	21.76221	490360.00	3624576.00	21.98525
490370.00	3624576.00	21.50882	490380.00	3624576.00	20.36949
490390.00	3624576.00	18.60756	490400.00	3624576.00	16.42119
490410.00	3624576.00	14.21026	490420.00	3624576.00	12.28449
490430.00	3624576.00	10.60706	490440.00	3624576.00	9.20763
490450.00	3624576.00	8.03214	490460.00	3624576.00	7.06166
490210.00	3624586.00	2.79147	490220.00	3624586.00	3.16718
490230.00	3624586.00	3.59975	490240.00	3624586.00	4.11779
490250.00	3624586.00	4.73927	490260.00	3624586.00	5.49292
490270.00	3624586.00	6.37816	490280.00	3624586.00	7.47698
490290.00	3624586.00	8.70858	490300.00	3624586.00	10.16724
490310.00	3624586.00	11.69921	490320.00	3624586.00	13.31662
490330.00	3624586.00	14.69575	490340.00	3624586.00	15.72924
490350.00	3624586.00	16.34289	490360.00	3624586.00	16.55574
490370.00	3624586.00	16.31328	490380.00	3624586.00	15.64043

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: NB3 ***
INCLUDING SOURCE(S): L0000399 , L0000400 , L0000401 , L0000402 , L0000403 ,
L0000404 , L0000405 , L0000406 , L0000407 , L0000408 , L0000409 , L0000410 , L0000411 ,
L0000412 , L0000413 , L0000414 , L0000415 , L0000416 , L0000417 , L0000418 , L0000419 ,
L0000420 , L0000421 , L0000422 , L0000423 , L0000424 , L0000425 , L0000426 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
490390.00	3624586.00	14.57442	490400.00	3624586.00	13.20786
490410.00	3624586.00	11.77688	490420.00	3624586.00	10.47211
490430.00	3624586.00	9.24573	490440.00	3624586.00	8.16437
490450.00	3624586.00	7.22063	490460.00	3624586.00	6.42207
490210.00	3624596.00	2.62980	490220.00	3624596.00	2.95740
490230.00	3624596.00	3.33415	490240.00	3624596.00	3.78624
490250.00	3624596.00	4.29937	490260.00	3624596.00	4.92221
490270.00	3624596.00	5.64434	490280.00	3624596.00	6.49877
490290.00	3624596.00	7.40726	490300.00	3624596.00	8.47579
490310.00	3624596.00	9.54037	490320.00	3624596.00	10.64149
490330.00	3624596.00	11.61217	490340.00	3624596.00	12.31317
490350.00	3624596.00	12.76698	490360.00	3624596.00	12.97520
490370.00	3624596.00	12.88370	490380.00	3624596.00	12.49247
490390.00	3624596.00	11.81392	490400.00	3624596.00	10.89345
490410.00	3624596.00	9.91997	490420.00	3624596.00	8.97677
490430.00	3624596.00	8.07153	490440.00	3624596.00	7.24350
490450.00	3624596.00	6.50005	490460.00	3624596.00	5.84769
490210.00	3624606.00	2.46777	490220.00	3624606.00	2.74711
490230.00	3624606.00	3.07616	490240.00	3624606.00	3.45660
490250.00	3624606.00	3.91007	490260.00	3624606.00	4.41824
490270.00	3624606.00	5.00153	490280.00	3624606.00	5.67105
490290.00	3624606.00	6.38342	490300.00	3624606.00	7.15854
490310.00	3624606.00	7.93603	490320.00	3624606.00	8.71509
490330.00	3624606.00	9.42507	490340.00	3624606.00	9.94142
490350.00	3624606.00	10.30484	490360.00	3624606.00	10.50660
490370.00	3624606.00	10.51096	490380.00	3624606.00	10.28901
490390.00	3624606.00	9.84226	490400.00	3624606.00	9.15990
490410.00	3624606.00	8.47764	490420.00	3624606.00	7.79505
490430.00	3624606.00	7.11575	490440.00	3624606.00	6.47296
490450.00	3624606.00	5.87895	490460.00	3624606.00	5.34042
490210.00	3624616.00	2.31498	490220.00	3624616.00	2.56229
490230.00	3624616.00	2.84667	490240.00	3624616.00	3.17570
490250.00	3624616.00	3.56078	490260.00	3624616.00	3.98293
490270.00	3624616.00	4.45857	490280.00	3624616.00	4.99557
490290.00	3624616.00	5.54591	490300.00	3624616.00	6.12463
490310.00	3624616.00	6.71792	490320.00	3624616.00	7.30065
490330.00	3624616.00	7.82756	490340.00	3624616.00	8.21952
490350.00	3624616.00	8.53054	490360.00	3624616.00	8.71403
490370.00	3624616.00	8.75837	490380.00	3624616.00	8.62654
490390.00	3624616.00	8.31809	490400.00	3624616.00	7.81803

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: NB3 ***
INCLUDING SOURCE(S): L0000399 , L0000400 , L0000401 , L0000402 , L0000403 ,
L0000404 , L0000405 , L0000406 , L0000407 , L0000408 , L0000409 , L0000410 , L0000411 ,
L0000412 , L0000413 , L0000414 , L0000415 , L0000416 , L0000417 , L0000418 , L0000419 ,
L0000420 , L0000421 , L0000422 , L0000423 , L0000424 , L0000425 , L0000426 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
490410.00	3624616.00	7.32693	490420.00	3624616.00	6.83729
490430.00	3624616.00	6.32380	490440.00	3624616.00	5.82062
490450.00	3624616.00	5.33741	490460.00	3624616.00	4.88883
490307.00	3624461.00	40.55427	490317.00	3624461.00	46.81508
490307.00	3624471.00	34.37514	490317.00	3624471.00	45.56395
490307.00	3624481.00	42.27149	490317.00	3624481.00	55.61416
490307.00	3624491.00	44.27915	490317.00	3624491.00	54.30098
490307.00	3624501.00	43.21320	490317.00	3624501.00	53.88757
490307.00	3624511.00	38.89384	490317.00	3624511.00	53.95428
490307.00	3624521.00	37.07362	490317.00	3624521.00	48.99433
490276.00	3624433.00	10.94044	490286.00	3624433.00	13.77562
490296.00	3624433.00	17.84245	490276.00	3624443.00	13.00441
490286.00	3624443.00	17.40930	490296.00	3624443.00	23.95013
490276.00	3624453.00	15.59317	490286.00	3624453.00	22.66698
490296.00	3624453.00	26.67530	490276.00	3624463.00	17.95628
490286.00	3624463.00	27.46497	490296.00	3624463.00	28.22958
490276.00	3624473.00	19.51243	490286.00	3624473.00	29.80144
490296.00	3624473.00	27.17241	490276.00	3624481.00	20.17285
490286.00	3624481.00	29.91659	490296.00	3624481.00	33.34544
490276.00	3624491.00	20.68204	490286.00	3624491.00	30.63069
490296.00	3624491.00	34.92248	490276.00	3624501.00	20.71131
490286.00	3624501.00	26.67356	490296.00	3624501.00	34.28529
490276.00	3624511.00	19.59421	490286.00	3624511.00	30.58595
490296.00	3624511.00	31.50150	490276.00	3624521.00	17.61702
490286.00	3624521.00	25.89172	490296.00	3624521.00	30.88341
490279.00	3624525.00	18.50704	490289.00	3624525.00	26.76743
490299.00	3624525.00	31.36258	490309.00	3624525.00	42.68602
490319.00	3624525.00	39.76069	490279.00	3624535.00	15.74147
490289.00	3624535.00	21.36980	490299.00	3624535.00	28.99941
490309.00	3624535.00	40.15415	490319.00	3624535.00	36.56109
490279.00	3624545.00	13.55623	490289.00	3624545.00	17.66633
490299.00	3624545.00	23.53472	490309.00	3624545.00	32.66997
490319.00	3624545.00	32.39019	490298.00	3624431.00	17.92020
490298.00	3624441.00	23.95339	490308.00	3624441.00	32.56130
490318.00	3624441.00	36.58098	490298.00	3624451.00	27.22534
490308.00	3624451.00	28.00667	490318.00	3624451.00	38.83573

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000016 , L0000017 ,
L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 ,
L0000026 , L0000027 , L0000028 , L0000029 , L0000030 , L0000031 , L0000032 , L0000033 ,
L0000034 , L0000481 , L0000482 , L0000483 , L0000484 , L0000485 , L0000486 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
489960.00	3624026.00	5.86797	490010.00	3624026.00	6.63894
490060.00	3624026.00	7.31293	490110.00	3624026.00	7.91305
490160.00	3624026.00	8.43208	490210.00	3624026.00	8.80163
490260.00	3624026.00	8.93548	490310.00	3624026.00	8.81687
490360.00	3624026.00	8.44205	490410.00	3624026.00	7.91522
490460.00	3624026.00	7.40421	490510.00	3624026.00	6.92990
490560.00	3624026.00	6.48548	490610.00	3624026.00	6.05745
490660.00	3624026.00	5.63890	490710.00	3624026.00	5.22402
489960.00	3624076.00	10.57079	490010.00	3624076.00	11.62528
490060.00	3624076.00	12.54263	490110.00	3624076.00	13.42518
490160.00	3624076.00	14.34913	490210.00	3624076.00	15.22298
490260.00	3624076.00	15.36545	490310.00	3624076.00	13.87920
490360.00	3624076.00	11.99605	490410.00	3624076.00	10.48493
490460.00	3624076.00	9.40130	490510.00	3624076.00	8.55722
490560.00	3624076.00	7.83801	490610.00	3624076.00	7.18018
490660.00	3624076.00	6.55785	490710.00	3624076.00	5.96407
489960.00	3624126.00	9.46817	490010.00	3624126.00	14.13929
490060.00	3624126.00	10.10194	490110.00	3624126.00	11.21487
490160.00	3624126.00	13.02563	490210.00	3624126.00	16.67121
490260.00	3624126.00	26.54138	490310.00	3624126.00	23.75895
490360.00	3624126.00	16.82087	490410.00	3624126.00	13.64866
490460.00	3624126.00	11.83447	490510.00	3624126.00	10.51075
490560.00	3624126.00	9.41854	490610.00	3624126.00	8.44579
490660.00	3624126.00	7.55205	490710.00	3624126.00	6.72875
489960.00	3624176.00	9.26581	490010.00	3624176.00	13.86580
490060.00	3624176.00	10.37236	490110.00	3624176.00	11.95887
490160.00	3624176.00	15.09553	490210.00	3624176.00	25.41576
490260.00	3624176.00	28.11942	490310.00	3624176.00	34.95545
490360.00	3624176.00	22.10972	490410.00	3624176.00	17.48567
490460.00	3624176.00	14.86807	490510.00	3624176.00	12.88905
490560.00	3624176.00	11.24972	490610.00	3624176.00	9.83743
490660.00	3624176.00	8.58638	490710.00	3624176.00	7.47764
489960.00	3624226.00	10.28474	490010.00	3624226.00	11.46825
490060.00	3624226.00	12.98861	490110.00	3624226.00	15.33094
490160.00	3624226.00	19.87713	490210.00	3624226.00	34.01643
490260.00	3624226.00	41.80060	490310.00	3624226.00	42.05562
490360.00	3624226.00	28.68321	490410.00	3624226.00	22.76459
490460.00	3624226.00	18.71928	490510.00	3624226.00	15.72927
490560.00	3624226.00	13.30488	490610.00	3624226.00	11.30122
490660.00	3624226.00	9.60126	490710.00	3624226.00	8.15189

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000016 ,
L0000017 ,
L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 ,
L0000025 ,
L0000026 , L0000027 , L0000028 , L0000029 , L0000030 , L0000031 , L0000032 ,
L0000033 ,
L0000034 , L0000481 , L0000482 , L0000483 , L0000484 , L0000485 ,
L0000486 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
489960.00	3624276.00	7.12704	490010.00	3624276.00	8.44460
490060.00	3624276.00	10.35765	490110.00	3624276.00	13.53726
490160.00	3624276.00	19.93705	490210.00	3624276.00	38.07141
490260.00	3624276.00	52.64255	490310.00	3624276.00	56.65616
490360.00	3624276.00	40.33935	490410.00	3624276.00	30.12262
490460.00	3624276.00	23.43937	490510.00	3624276.00	18.93061
490560.00	3624276.00	15.48510	490610.00	3624276.00	12.72887
490660.00	3624276.00	10.48253	490710.00	3624276.00	8.67053
489960.00	3624326.00	6.00477	490010.00	3624326.00	7.43300
490060.00	3624326.00	9.69903	490110.00	3624326.00	13.74872
490160.00	3624326.00	22.72779	490210.00	3624326.00	51.42166
490260.00	3624326.00	110.16236	490310.00	3624326.00	114.51224
490360.00	3624326.00	59.69556	490410.00	3624326.00	39.03125
490460.00	3624326.00	28.88472	490510.00	3624326.00	22.46195
490560.00	3624326.00	17.64232	490610.00	3624326.00	13.94337
490660.00	3624326.00	11.09125	490710.00	3624326.00	8.93881
489960.00	3624376.00	5.45356	490010.00	3624376.00	6.97151
490060.00	3624376.00	9.43639	490110.00	3624376.00	14.04000
490160.00	3624376.00	25.09242	490410.00	3624376.00	49.87550
490460.00	3624376.00	35.62520	490510.00	3624376.00	26.24631
490560.00	3624376.00	19.50592	490610.00	3624376.00	14.70895
490660.00	3624376.00	11.29733	490710.00	3624376.00	8.86633
489960.00	3624426.00	5.05706	490010.00	3624426.00	6.53989
490060.00	3624426.00	8.94323	490110.00	3624426.00	13.44216
490160.00	3624426.00	23.31893	490410.00	3624426.00	68.60891
490460.00	3624426.00	44.12619	490510.00	3624426.00	29.23838
490560.00	3624426.00	20.51169	490610.00	3624426.00	14.69031
490660.00	3624426.00	10.94953	490710.00	3624426.00	8.40533
489960.00	3624476.00	4.69373	490010.00	3624476.00	6.06928
490060.00	3624476.00	8.20781	490110.00	3624476.00	12.09447
490160.00	3624476.00	19.34057	490410.00	3624476.00	92.93019
490460.00	3624476.00	50.22045	490510.00	3624476.00	29.75498
490560.00	3624476.00	19.78633	490610.00	3624476.00	13.66059
490660.00	3624476.00	10.02718	490710.00	3624476.00	7.63052
489960.00	3624526.00	4.30728	490010.00	3624526.00	5.45935
490060.00	3624526.00	7.31195	490110.00	3624526.00	10.35249
490160.00	3624526.00	15.91445	490410.00	3624526.00	145.26520
490460.00	3624526.00	47.90944	490510.00	3624526.00	25.34972
490560.00	3624526.00	17.09992	490610.00	3624526.00	11.87678
490660.00	3624526.00	8.73720	490710.00	3624526.00	6.71701

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000016 , L0000017 ,
L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 ,
L0000026 , L0000027 , L0000028 , L0000029 , L0000030 , L0000031 , L0000032 , L0000033 ,
L0000034 , L0000481 , L0000482 , L0000483 , L0000484 , L0000485 , L0000486 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
489960.00	3624576.00	3.79788	490010.00	3624576.00	4.77561
490060.00	3624576.00	6.20106	490110.00	3624576.00	8.60237
490160.00	3624576.00	12.86361	490210.00	3624576.00	21.02090
490260.00	3624576.00	41.06891	490310.00	3624576.00	82.95941
490360.00	3624576.00	111.27560	490410.00	3624576.00	67.88748
490460.00	3624576.00	34.38401	490510.00	3624576.00	19.07156
490560.00	3624576.00	13.06193	490610.00	3624576.00	9.99965
490660.00	3624576.00	7.51667	490710.00	3624576.00	5.87195
489960.00	3624626.00	3.39237	490010.00	3624626.00	4.18304
490060.00	3624626.00	5.26443	490110.00	3624626.00	7.19037
490160.00	3624626.00	10.03729	490210.00	3624626.00	14.58653
490260.00	3624626.00	22.27914	490310.00	3624626.00	32.34566
490360.00	3624626.00	38.27785	490410.00	3624626.00	32.19604
490460.00	3624626.00	22.68538	490510.00	3624626.00	15.56943
490560.00	3624626.00	10.49290	490610.00	3624626.00	8.34130
490660.00	3624626.00	6.56311	490710.00	3624626.00	5.20954
489960.00	3624676.00	3.04412	490010.00	3624676.00	3.71910
490060.00	3624676.00	4.67315	490110.00	3624676.00	5.96694
490160.00	3624676.00	7.79628	490210.00	3624676.00	10.46148
490260.00	3624676.00	14.12658	490310.00	3624676.00	18.03166
490360.00	3624676.00	20.25153	490410.00	3624676.00	18.72079
490460.00	3624676.00	14.64730	490510.00	3624676.00	11.51557
490560.00	3624676.00	8.88271	490610.00	3624676.00	6.75242
490660.00	3624676.00	5.76303	490710.00	3624676.00	4.70351
489960.00	3624726.00	2.76985	490010.00	3624726.00	3.30785
490060.00	3624726.00	4.00066	490110.00	3624726.00	4.92094
490160.00	3624726.00	6.15844	490210.00	3624726.00	7.82797
490260.00	3624726.00	9.84832	490310.00	3624726.00	11.66616
490360.00	3624726.00	12.73953	490410.00	3624726.00	12.37271
490460.00	3624726.00	11.17683	490510.00	3624726.00	9.49167
490560.00	3624726.00	7.75106	490610.00	3624726.00	5.83666
490660.00	3624726.00	4.78202	490710.00	3624726.00	4.25620
489960.00	3624776.00	2.47833	490010.00	3624776.00	2.89928
490060.00	3624776.00	3.43012	490110.00	3624776.00	4.11226
490160.00	3624776.00	4.98031	490210.00	3624776.00	6.05275
490260.00	3624776.00	7.23113	490310.00	3624776.00	8.30135
490360.00	3624776.00	8.94579	490410.00	3624776.00	8.94879
490460.00	3624776.00	8.42119	490510.00	3624776.00	7.49439
490560.00	3624776.00	6.44080	490610.00	3624776.00	5.41713
490660.00	3624776.00	4.23562	490710.00	3624776.00	3.59449

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000016 , L0000017 ,
L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 ,
L0000026 , L0000027 , L0000028 , L0000029 , L0000030 , L0000031 , L0000032 , L0000033 ,
L0000034 , L0000481 , L0000482 , L0000483 , L0000484 , L0000485 , L0000486 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
489960.00	3624826.00	2.18813	490010.00	3624826.00	2.53018
490060.00	3624826.00	2.94445	490110.00	3624826.00	3.44455
490160.00	3624826.00	4.07935	490210.00	3624826.00	4.79024
490260.00	3624826.00	5.55680	490310.00	3624826.00	6.22523
490360.00	3624826.00	6.64851	490410.00	3624826.00	6.72948
490460.00	3624826.00	6.48311	490510.00	3624826.00	5.98322
490560.00	3624826.00	5.35041	490610.00	3624826.00	4.68428
490660.00	3624826.00	3.98110	490710.00	3624826.00	3.22693
489960.00	3624876.00	1.95611	490010.00	3624876.00	2.22124
490060.00	3624876.00	2.54993	490110.00	3624876.00	2.94419
490160.00	3624876.00	3.40169	490210.00	3624876.00	3.90595
490260.00	3624876.00	4.42130	490310.00	3624876.00	4.86402
490360.00	3624876.00	5.15244	490410.00	3624876.00	5.24329
490460.00	3624876.00	5.13259	490510.00	3624876.00	4.85412
490560.00	3624876.00	4.46253	490610.00	3624876.00	4.01916
490660.00	3624876.00	3.53754	490710.00	3624876.00	2.93686
490210.00	3624326.00	51.42166	490220.00	3624326.00	64.42778
490230.00	3624326.00	83.46993	490240.00	3624326.00	92.28224
490250.00	3624326.00	94.59165	490260.00	3624326.00	110.16236
490270.00	3624326.00	120.05396	490280.00	3624326.00	136.85811
490290.00	3624326.00	141.91702	490300.00	3624326.00	128.82793
490310.00	3624326.00	114.51224	490320.00	3624326.00	99.91954
490330.00	3624326.00	86.65385	490340.00	3624326.00	75.63858
490350.00	3624326.00	66.76317	490360.00	3624326.00	59.69556
490370.00	3624326.00	53.98010	490380.00	3624326.00	49.31260
490390.00	3624326.00	45.36628	490400.00	3624326.00	41.97672
490410.00	3624326.00	39.03125	490420.00	3624326.00	36.42129
490430.00	3624326.00	34.24223	490440.00	3624326.00	32.28794
490450.00	3624326.00	30.49863	490460.00	3624326.00	28.88472
490210.00	3624336.00	55.56933	490220.00	3624336.00	70.86091
490230.00	3624336.00	93.72140	490240.00	3624336.00	107.68332
490250.00	3624336.00	76.71210	490260.00	3624336.00	88.52353
490270.00	3624336.00	98.19855	490280.00	3624336.00	121.89527
490290.00	3624336.00	125.44480	490300.00	3624336.00	100.97973
490310.00	3624336.00	84.28787	490320.00	3624336.00	120.30180
490330.00	3624336.00	99.02581	490340.00	3624336.00	83.61360
490350.00	3624336.00	72.27473	490360.00	3624336.00	63.80772
490370.00	3624336.00	57.24857	490380.00	3624336.00	52.05153
490390.00	3624336.00	47.76081	490400.00	3624336.00	44.09150
490410.00	3624336.00	40.91808	490420.00	3624336.00	38.15848

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000016 , L0000017 ,
L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 ,
L0000026 , L0000027 , L0000028 , L0000029 , L0000030 , L0000031 , L0000032 , L0000033 ,
L0000034 , L0000481 , L0000482 , L0000483 , L0000484 , L0000485 , L0000486 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
490430.00	3624336.00	35.84484	490440.00	3624336.00	33.74057
490450.00	3624336.00	31.82673	490460.00	3624336.00	30.09990
490210.00	3624346.00	59.87026	490220.00	3624346.00	78.02550
490230.00	3624346.00	106.29079	490240.00	3624346.00	117.41318
490250.00	3624346.00	90.23724	490260.00	3624346.00	107.15114
490270.00	3624346.00	122.70421	490280.00	3624346.00	72.36007
490290.00	3624346.00	85.94239	490300.00	3624346.00	115.24755
490310.00	3624346.00	92.61589	490320.00	3624346.00	78.11253
490330.00	3624346.00	112.01878	490340.00	3624346.00	90.97449
490350.00	3624346.00	77.18963	490360.00	3624346.00	67.51910
490370.00	3624346.00	60.29782	490380.00	3624346.00	54.70235
490390.00	3624346.00	50.12960	490400.00	3624346.00	46.22755
490410.00	3624346.00	42.86850	490420.00	3624346.00	39.99134
490430.00	3624346.00	37.51643	490440.00	3624346.00	35.27407
490450.00	3624346.00	33.23768	490460.00	3624346.00	31.39182
490210.00	3624356.00	63.75541	490220.00	3624356.00	84.89279
490230.00	3624356.00	119.28227	490240.00	3624356.00	102.15633
490250.00	3624356.00	64.31984	490260.00	3624356.00	79.31071
490270.00	3624356.00	49.68002	490280.00	3624356.00	102.92227
490290.00	3624356.00	95.85315	490300.00	3624356.00	127.99692
490310.00	3624356.00	99.63380	490320.00	3624356.00	82.91598
490330.00	3624356.00	122.30079	490340.00	3624356.00	96.34602
490350.00	3624356.00	80.97528	490360.00	3624356.00	70.64102
490370.00	3624356.00	63.10471	490380.00	3624356.00	57.30816
490390.00	3624356.00	52.55869	490400.00	3624356.00	48.50359
490410.00	3624356.00	44.98177	490420.00	3624356.00	41.97300
490430.00	3624356.00	39.30552	490440.00	3624356.00	36.90515
490450.00	3624356.00	34.73187	490460.00	3624356.00	32.74786
490210.00	3624366.00	66.63807	490220.00	3624366.00	89.98589
490230.00	3624366.00	129.05930	490240.00	3624366.00	68.14018
490250.00	3624366.00	84.03231	490370.00	3624366.00	65.80783
490380.00	3624366.00	60.01431	490390.00	3624366.00	55.18001
490400.00	3624366.00	50.97830	490410.00	3624366.00	47.31829
490420.00	3624366.00	44.09619	490430.00	3624366.00	41.22436
490440.00	3624366.00	38.64837	490450.00	3624366.00	36.31190
490460.00	3624366.00	34.16456	490210.00	3624376.00	68.25325
490220.00	3624376.00	92.38622	490230.00	3624376.00	132.79180
490240.00	3624376.00	92.75453	490250.00	3624376.00	102.31395
490370.00	3624376.00	68.75919	490380.00	3624376.00	63.09679
490390.00	3624376.00	58.17806	490400.00	3624376.00	53.78247

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000016 , L0000017 ,
L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 ,
L0000026 , L0000027 , L0000028 , L0000029 , L0000030 , L0000031 , L0000032 , L0000033 ,
L0000034 , L0000481 , L0000482 , L0000483 , L0000484 , L0000485 , L0000486 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
490410.00	3624376.00	49.87550	490420.00	3624376.00	46.42580
490430.00	3624376.00	43.29660	490440.00	3624376.00	40.48697
490450.00	3624376.00	37.96105	490460.00	3624376.00	35.62520
490210.00	3624386.00	68.23475	490220.00	3624386.00	91.27802
490230.00	3624386.00	129.98172	490240.00	3624386.00	93.61183
490250.00	3624386.00	72.58588	490370.00	3624386.00	72.56368
490380.00	3624386.00	66.93627	490390.00	3624386.00	61.82138
490400.00	3624386.00	57.09128	490410.00	3624386.00	52.82790
490420.00	3624386.00	49.07509	490430.00	3624386.00	45.62623
490440.00	3624386.00	42.44537	490450.00	3624386.00	39.69113
490460.00	3624386.00	37.15838	490210.00	3624396.00	66.93446
490220.00	3624396.00	89.01106	490230.00	3624396.00	125.33550
490240.00	3624396.00	124.77179	490250.00	3624396.00	110.77049
490370.00	3624396.00	78.09303	490380.00	3624396.00	72.00974
490390.00	3624396.00	66.27710	490400.00	3624396.00	60.96214
490410.00	3624396.00	56.22676	490420.00	3624396.00	51.98311
490430.00	3624396.00	48.18197	490440.00	3624396.00	44.62236
490450.00	3624396.00	41.53863	490460.00	3624396.00	38.77174
490210.00	3624406.00	64.53011	490220.00	3624406.00	85.28454
490230.00	3624406.00	119.11919	490240.00	3624406.00	115.58271
490250.00	3624406.00	93.27185	490370.00	3624406.00	86.10836
490380.00	3624406.00	78.68004	490390.00	3624406.00	71.69797
490400.00	3624406.00	65.46653	490410.00	3624406.00	60.00628
490420.00	3624406.00	55.18593	490430.00	3624406.00	50.97653
490440.00	3624406.00	47.07573	490450.00	3624406.00	43.54903
490460.00	3624406.00	40.44758	490210.00	3624416.00	61.29837
490220.00	3624416.00	80.27465	490230.00	3624416.00	111.53644
490240.00	3624416.00	63.74006	490250.00	3624416.00	75.22839
490370.00	3624416.00	96.93872	490380.00	3624416.00	86.84390
490390.00	3624416.00	77.95268	490400.00	3624416.00	70.48082
490410.00	3624416.00	64.12633	490420.00	3624416.00	58.70157
490430.00	3624416.00	53.96874	490440.00	3624416.00	49.70252
490450.00	3624416.00	45.72611	490460.00	3624416.00	42.22491
490210.00	3624426.00	57.22255	490220.00	3624426.00	73.79217
490230.00	3624426.00	100.59527	490240.00	3624426.00	85.19272
490250.00	3624426.00	106.13320	490370.00	3624426.00	109.93114
490380.00	3624426.00	95.83291	490390.00	3624426.00	84.67406
490400.00	3624426.00	75.87282	490410.00	3624426.00	68.60891
490420.00	3624426.00	62.49181	490430.00	3624426.00	57.13796
490440.00	3624426.00	52.40753	490450.00	3624426.00	48.11974

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000016 , L0000017 ,
L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 ,
L0000026 , L0000027 , L0000028 , L0000029 , L0000030 , L0000031 , L0000032 , L0000033 ,
L0000034 , L0000481 , L0000482 , L0000483 , L0000484 , L0000485 , L0000486 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
490460.00	3624426.00	44.12619	490210.00	3624436.00	52.61561
490220.00	3624436.00	66.62362	490230.00	3624436.00	87.89641
490240.00	3624436.00	71.67535	490250.00	3624436.00	87.22595
490370.00	3624436.00	122.38956	490380.00	3624436.00	104.72943
490390.00	3624436.00	91.57647	490400.00	3624436.00	81.51439
490410.00	3624436.00	73.36359	490420.00	3624436.00	66.52600
490430.00	3624436.00	60.40664	490440.00	3624436.00	55.16902
490450.00	3624436.00	50.47923	490460.00	3624436.00	46.06856
490210.00	3624446.00	48.48366	490220.00	3624446.00	59.88794
490230.00	3624446.00	76.23931	490240.00	3624446.00	99.52668
490250.00	3624446.00	78.72678	490370.00	3624446.00	132.90263
490380.00	3624446.00	112.93269	490390.00	3624446.00	98.60080
490400.00	3624446.00	87.50955	490410.00	3624446.00	78.45460
490420.00	3624446.00	70.76789	490430.00	3624446.00	64.00314
490440.00	3624446.00	58.03638	490450.00	3624446.00	52.73756
490460.00	3624446.00	47.85366	490210.00	3624456.00	44.53325
490220.00	3624456.00	53.67496	490230.00	3624456.00	65.71503
490240.00	3624456.00	82.34818	490250.00	3624456.00	102.34552
490370.00	3624456.00	142.44024	490380.00	3624456.00	122.06547
490390.00	3624456.00	106.52846	490400.00	3624456.00	94.19599
490410.00	3624456.00	84.11201	490420.00	3624456.00	75.49640
490430.00	3624456.00	67.80929	490440.00	3624456.00	61.01785
490450.00	3624456.00	54.94429	490460.00	3624456.00	49.35694
490210.00	3624466.00	41.26160	490220.00	3624466.00	48.98534
490230.00	3624466.00	59.17297	490240.00	3624466.00	72.34387
490250.00	3624466.00	89.26824	490370.00	3624466.00	153.50023
490380.00	3624466.00	132.54715	490390.00	3624466.00	114.91298
490400.00	3624466.00	100.61057	490410.00	3624466.00	89.11039
490420.00	3624466.00	79.49024	490430.00	3624466.00	70.95738
490440.00	3624466.00	63.55656	490450.00	3624466.00	56.58623
490460.00	3624466.00	50.33509	490210.00	3624476.00	38.50216
490220.00	3624476.00	45.42535	490230.00	3624476.00	54.65293
490240.00	3624476.00	66.26023	490250.00	3624476.00	81.95993
490370.00	3624476.00	169.87334	490380.00	3624476.00	145.36108
490390.00	3624476.00	125.35539	490400.00	3624476.00	108.80922
490410.00	3624476.00	92.93019	490420.00	3624476.00	81.18934
490430.00	3624476.00	72.16792	490440.00	3624476.00	63.99544
490450.00	3624476.00	56.82029	490460.00	3624476.00	50.22045
490210.00	3624486.00	36.21595	490220.00	3624486.00	42.57451
490230.00	3624486.00	50.92889	490240.00	3624486.00	62.12312

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000016 , L0000017 ,
L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 ,
L0000026 , L0000027 , L0000028 , L0000029 , L0000030 , L0000031 , L0000032 , L0000033 ,
L0000034 , L0000481 , L0000482 , L0000483 , L0000484 , L0000485 , L0000486 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
490250.00	3624486.00	77.28850	490380.00	3624486.00	165.25241
490390.00	3624486.00	141.25650	490400.00	3624486.00	118.85070
490410.00	3624486.00	94.43312	490420.00	3624486.00	81.17738
490430.00	3624486.00	70.65227	490440.00	3624486.00	61.99271
490450.00	3624486.00	54.62587	490460.00	3624486.00	48.86896
490210.00	3624496.00	34.38231	490220.00	3624496.00	40.45971
490230.00	3624496.00	48.10778	490240.00	3624496.00	58.91648
490250.00	3624496.00	73.69803	490390.00	3624496.00	163.39734
490400.00	3624496.00	135.15457	490410.00	3624496.00	108.40758
490420.00	3624496.00	91.28952	490430.00	3624496.00	76.95297
490440.00	3624496.00	64.66898	490450.00	3624496.00	55.31592
490460.00	3624496.00	47.73593	490210.00	3624506.00	32.65408
490220.00	3624506.00	38.34551	490230.00	3624506.00	45.83998
490240.00	3624506.00	55.90900	490250.00	3624506.00	70.50976
490400.00	3624506.00	159.95253	490410.00	3624506.00	130.23440
490420.00	3624506.00	106.00012	490430.00	3624506.00	85.24602
490440.00	3624506.00	70.71347	490450.00	3624506.00	58.74304
490460.00	3624506.00	49.00414	490210.00	3624516.00	31.00189
490220.00	3624516.00	36.38738	490230.00	3624516.00	43.20238
490240.00	3624516.00	52.80850	490250.00	3624516.00	66.86340
490410.00	3624516.00	140.62437	490420.00	3624516.00	110.09982
490430.00	3624516.00	87.42825	490440.00	3624516.00	71.60523
490450.00	3624516.00	59.46351	490460.00	3624516.00	49.56953
490210.00	3624526.00	29.33808	490220.00	3624526.00	34.31568
490230.00	3624526.00	40.70401	490240.00	3624526.00	49.47807
490250.00	3624526.00	62.50296	490410.00	3624526.00	145.26520
490420.00	3624526.00	110.39114	490430.00	3624526.00	86.22440
490440.00	3624526.00	69.90631	490450.00	3624526.00	57.79489
490460.00	3624526.00	47.90944	490210.00	3624536.00	27.64515
490220.00	3624536.00	32.04874	490230.00	3624536.00	37.95624
490240.00	3624536.00	45.66254	490250.00	3624536.00	57.28208
490410.00	3624536.00	139.41156	490420.00	3624536.00	104.28372
490430.00	3624536.00	81.46859	490440.00	3624536.00	66.19103
490450.00	3624536.00	55.27578	490460.00	3624536.00	46.24071
490210.00	3624546.00	25.96728	490220.00	3624546.00	29.81453
490230.00	3624546.00	34.91009	490240.00	3624546.00	41.68915
490250.00	3624546.00	51.42905	490410.00	3624546.00	122.46494
490420.00	3624546.00	93.54720	490430.00	3624546.00	74.33096
490440.00	3624546.00	61.10694	490450.00	3624546.00	51.33150
490460.00	3624546.00	43.85227	490210.00	3624556.00	24.24920

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000016 , L0000017 ,
L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 ,
L0000026 , L0000027 , L0000028 , L0000029 , L0000030 , L0000031 , L0000032 , L0000033 ,
L0000034 , L0000481 , L0000482 , L0000483 , L0000484 , L0000485 , L0000486 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
490220.00	3624556.00	27.72860	490230.00	3624556.00	32.13212
490240.00	3624556.00	37.87994	490250.00	3624556.00	45.60681
490410.00	3624556.00	101.03322	490420.00	3624556.00	80.90130
490430.00	3624556.00	66.19467	490440.00	3624556.00	55.43734
490450.00	3624556.00	47.20479	490460.00	3624556.00	40.69496
490210.00	3624566.00	22.69424	490220.00	3624566.00	25.74898
490230.00	3624566.00	29.52308	490240.00	3624566.00	34.26609
490250.00	3624566.00	40.29338	490260.00	3624566.00	47.95413
490270.00	3624566.00	57.58492	490280.00	3624566.00	68.96865
490290.00	3624566.00	81.13461	490300.00	3624566.00	94.45126
490310.00	3624566.00	108.74949	490320.00	3624566.00	124.11640
490330.00	3624566.00	138.58422	490340.00	3624566.00	150.36409
490350.00	3624566.00	156.17800	490360.00	3624566.00	155.88034
490370.00	3624566.00	149.53342	490380.00	3624566.00	137.51116
490390.00	3624566.00	119.72032	490400.00	3624566.00	99.80746
490410.00	3624566.00	82.29897	490420.00	3624566.00	68.77906
490430.00	3624566.00	57.99603	490440.00	3624566.00	49.60176
490450.00	3624566.00	42.87957	490460.00	3624566.00	37.50759
490210.00	3624576.00	21.02090	490220.00	3624576.00	23.60898
490230.00	3624576.00	26.81997	490240.00	3624576.00	30.61084
490250.00	3624576.00	35.38398	490260.00	3624576.00	41.06891
490270.00	3624576.00	47.75318	490280.00	3624576.00	55.65941
490290.00	3624576.00	64.22133	490300.00	3624576.00	73.16950
490310.00	3624576.00	82.95941	490320.00	3624576.00	92.74898
490330.00	3624576.00	101.15953	490340.00	3624576.00	107.94249
490350.00	3624576.00	111.32398	490360.00	3624576.00	111.27560
490370.00	3624576.00	107.50812	490380.00	3624576.00	100.33068
490390.00	3624576.00	90.31717	490400.00	3624576.00	78.86817
490410.00	3624576.00	67.88748	490420.00	3624576.00	58.64520
490430.00	3624576.00	50.75886	490440.00	3624576.00	44.26013
490450.00	3624576.00	38.84097	490460.00	3624576.00	34.38401
490210.00	3624586.00	19.48880	490220.00	3624586.00	21.77282
490230.00	3624586.00	24.40310	490240.00	3624586.00	27.53176
490250.00	3624586.00	31.24975	490260.00	3624586.00	35.67954
490270.00	3624586.00	40.70978	490280.00	3624586.00	46.53742
490290.00	3624586.00	52.54456	490300.00	3624586.00	59.06814
490310.00	3624586.00	65.48849	490320.00	3624586.00	72.07018
490330.00	3624586.00	77.55710	490340.00	3624586.00	81.62434
490350.00	3624586.00	83.71941	490360.00	3624586.00	83.84086
490370.00	3624586.00	81.69500	490380.00	3624586.00	77.42490

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000016 ,
L0000017 ,
L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 ,
L0000025 ,
L0000026 , L0000027 , L0000028 , L0000029 , L0000030 , L0000031 , L0000032 ,
L0000033 ,
L0000034 , L0000481 , L0000482 , L0000483 , L0000484 , L0000485 ,
L0000486 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
490390.00	3624586.00	71.36956	490400.00	3624586.00	64.16926
490410.00	3624586.00	56.94086	490420.00	3624586.00	50.56498
490430.00	3624586.00	44.70556	490440.00	3624586.00	39.61369
490450.00	3624586.00	35.21472	490460.00	3624586.00	31.51335
490210.00	3624596.00	18.13900	490220.00	3624596.00	20.08337
490230.00	3624596.00	22.30357	490240.00	3624596.00	24.91829
490250.00	3624596.00	27.86555	490260.00	3624596.00	31.34089
490270.00	3624596.00	35.23335	490280.00	3624596.00	39.58929
490290.00	3624596.00	43.94843	490300.00	3624596.00	48.74230
490310.00	3624596.00	53.26107	490320.00	3624596.00	57.78035
490330.00	3624596.00	61.63107	490340.00	3624596.00	64.25445
490350.00	3624596.00	65.71296	490360.00	3624596.00	66.00012
490370.00	3624596.00	64.84076	490380.00	3624596.00	62.25040
490390.00	3624596.00	58.34931	490400.00	3624596.00	53.47462
490410.00	3624596.00	48.49113	490420.00	3624596.00	43.81107
490430.00	3624596.00	39.42409	490440.00	3624596.00	35.47648
490450.00	3624596.00	31.97157	490460.00	3624596.00	28.91822
490210.00	3624606.00	16.85756	490220.00	3624606.00	18.49178
490230.00	3624606.00	20.37772	490240.00	3624606.00	22.52018
490250.00	3624606.00	25.01558	490260.00	3624606.00	27.75541
490270.00	3624606.00	30.79657	490280.00	3624606.00	34.12927
490290.00	3624606.00	37.50259	490300.00	3624606.00	40.98283
490310.00	3624606.00	44.30691	490320.00	3624606.00	47.51475
490330.00	3624606.00	50.33214	490340.00	3624606.00	52.22488
490350.00	3624606.00	53.38056	490360.00	3624606.00	53.78607
490370.00	3624606.00	53.25249	490380.00	3624606.00	51.65660
490390.00	3624606.00	49.03757	490400.00	3624606.00	45.41344
490410.00	3624606.00	41.87349	490420.00	3624606.00	38.43828
490430.00	3624606.00	35.10017	490440.00	3624606.00	31.99570
490450.00	3624606.00	29.16230	490460.00	3624606.00	26.61551
490210.00	3624616.00	15.68398	490220.00	3624616.00	17.09986
490230.00	3624616.00	18.69762	490240.00	3624616.00	20.50551
490250.00	3624616.00	22.57111	490260.00	3624616.00	24.79099
490270.00	3624616.00	27.21372	490280.00	3624616.00	29.84183
490290.00	3624616.00	32.42811	490300.00	3624616.00	35.02491
490310.00	3624616.00	37.57340	490320.00	3624616.00	39.98141
490330.00	3624616.00	42.07031	490340.00	3624616.00	43.49055
490350.00	3624616.00	44.51938	490360.00	3624616.00	44.94692
490370.00	3624616.00	44.72522	490380.00	3624616.00	43.67424
490390.00	3624616.00	41.82211	490400.00	3624616.00	39.14272

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000016 , L0000017 ,
L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 ,
L0000026 , L0000027 , L0000028 , L0000029 , L0000030 , L0000031 , L0000032 , L0000033 ,
L0000034 , L0000481 , L0000482 , L0000483 , L0000484 , L0000485 , L0000486 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
490410.00	3624616.00	36.55704	490420.00	3624616.00	34.05418
490430.00	3624616.00	31.49554	490440.00	3624616.00	29.03353
490450.00	3624616.00	26.70088	490460.00	3624616.00	24.55657
490307.00	3624461.00	187.93506	490317.00	3624461.00	175.87605
490307.00	3624471.00	184.27516	490317.00	3624471.00	177.36791
490307.00	3624481.00	193.70527	490317.00	3624481.00	196.69414
490307.00	3624491.00	198.53125	490317.00	3624491.00	203.05400
490307.00	3624501.00	203.75327	490317.00	3624501.00	205.09748
490307.00	3624511.00	209.35633	490317.00	3624511.00	220.41561
490307.00	3624521.00	211.75778	490317.00	3624521.00	235.79521
490276.00	3624433.00	112.50883	490286.00	3624433.00	152.41242
490296.00	3624433.00	148.51646	490276.00	3624443.00	106.09463
490286.00	3624443.00	130.75303	490296.00	3624443.00	149.91294
490276.00	3624453.00	150.03923	490286.00	3624453.00	146.66240
490296.00	3624453.00	166.38826	490276.00	3624463.00	139.75939
490286.00	3624463.00	142.90312	490296.00	3624463.00	165.15099
490276.00	3624473.00	134.25177	490286.00	3624473.00	140.20568
490296.00	3624473.00	162.35297	490276.00	3624481.00	132.27284
490286.00	3624481.00	138.95140	490296.00	3624481.00	168.38091
490276.00	3624491.00	131.20724	490286.00	3624491.00	140.42964
490296.00	3624491.00	171.40209	490276.00	3624501.00	128.46965
490286.00	3624501.00	136.49903	490296.00	3624501.00	173.52696
490276.00	3624511.00	123.29116	490286.00	3624511.00	137.42077
490296.00	3624511.00	172.53319	490276.00	3624521.00	116.94711
490286.00	3624521.00	130.63211	490296.00	3624521.00	165.13354
490279.00	3624525.00	116.76750	490289.00	3624525.00	140.85340
490299.00	3624525.00	171.67965	490309.00	3624525.00	208.36725
490319.00	3624525.00	213.79349	490279.00	3624535.00	101.24245
490289.00	3624535.00	111.96466	490299.00	3624535.00	139.63397
490309.00	3624535.00	180.55643	490319.00	3624535.00	197.79622
490279.00	3624545.00	91.22599	490289.00	3624545.00	118.41601
490299.00	3624545.00	132.91695	490309.00	3624545.00	172.57760
490319.00	3624545.00	197.46196	490298.00	3624431.00	144.22026
490298.00	3624441.00	169.69258	490308.00	3624441.00	169.83485
490318.00	3624441.00	162.49139	490298.00	3624451.00	162.28082
490308.00	3624451.00	170.15407	490318.00	3624451.00	168.01399

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 5 YEARS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)				OF TYPE	NETWORK GRID-ID
HAUL1A	1ST HIGHEST VALUE IS	74.57629	490230.00,	3624396.00,	114.16,	114.16,	0.00)	DC
	2ND HIGHEST VALUE IS	73.91996	490230.00,	3624406.00,	114.23,	114.23,	0.00)	DC
	3RD HIGHEST VALUE IS	71.36819	490230.00,	3624386.00,	114.09,	114.09,	0.00)	DC
	4TH HIGHEST VALUE IS	69.69839	490230.00,	3624416.00,	114.24,	114.24,	0.00)	DC
	5TH HIGHEST VALUE IS	69.45585	490286.00,	3624433.00,	113.67,	113.67,	0.00)	DC
	6TH HIGHEST VALUE IS	67.94196	490280.00,	3624356.00,	113.40,	113.40,	0.00)	DC
	7TH HIGHEST VALUE IS	64.38162	490230.00,	3624376.00,	113.76,	113.76,	0.00)	DC
	8TH HIGHEST VALUE IS	62.33780	490240.00,	3624396.00,	114.19,	114.19,	0.00)	DC
	9TH HIGHEST VALUE IS	62.23850	490240.00,	3624406.00,	114.33,	114.33,	0.00)	DC
	10TH HIGHEST VALUE IS	61.17543	490230.00,	3624426.00,	114.47,	114.47,	0.00)	DC
HAUL2A	1ST HIGHEST VALUE IS	69.87996	490290.00,	3624326.00,	113.48,	113.48,	0.00)	DC
	2ND HIGHEST VALUE IS	68.36292	490320.00,	3624336.00,	112.89,	112.89,	0.00)	DC
	3RD HIGHEST VALUE IS	68.13039	490330.00,	3624356.00,	112.61,	112.61,	0.00)	DC
	4TH HIGHEST VALUE IS	68.08303	490280.00,	3624326.00,	113.54,	113.54,	0.00)	DC
	5TH HIGHEST VALUE IS	67.66119	490300.00,	3624326.00,	113.24,	113.24,	0.00)	DC
	6TH HIGHEST VALUE IS	62.93680	490270.00,	3624326.00,	113.50,	113.50,	0.00)	DC
	7TH HIGHEST VALUE IS	61.45865	490330.00,	3624346.00,	112.72,	112.72,	0.00)	DC
	8TH HIGHEST VALUE IS	60.59077	490310.00,	3624326.00,	112.84,	112.84,	0.00)	DC
	9TH HIGHEST VALUE IS	60.59077	490310.00,	3624326.00,	112.84,	112.84,	0.00)	DC
	10TH HIGHEST VALUE IS	56.66164	490240.00,	3624346.00,	113.88,	113.88,	0.00)	DC
HAULB	1ST HIGHEST VALUE IS	37.28937	490290.00,	3624326.00,	113.48,	113.48,	0.00)	DC
	2ND HIGHEST VALUE IS	35.15544	490290.00,	3624336.00,	113.48,	113.48,	0.00)	DC
	3RD HIGHEST VALUE IS	34.10063	490230.00,	3624326.00,	113.91,	113.91,	0.00)	DC
	4TH HIGHEST VALUE IS	33.35057	490280.00,	3624326.00,	113.54,	113.54,	0.00)	DC
	5TH HIGHEST VALUE IS	32.47070	490230.00,	3624336.00,	113.97,	113.97,	0.00)	DC
	6TH HIGHEST VALUE IS	32.14275	490290.00,	3624346.00,	113.44,	113.44,	0.00)	DC
	7TH HIGHEST VALUE IS	32.08408	490240.00,	3624326.00,	113.89,	113.89,	0.00)	DC
	8TH HIGHEST VALUE IS	30.17911	490280.00,	3624336.00,	113.59,	113.59,	0.00)	DC
	9TH HIGHEST VALUE IS	30.08636	490230.00,	3624346.00,	113.89,	113.89,	0.00)	DC
	10TH HIGHEST VALUE IS	28.58261	490240.00,	3624336.00,	113.95,	113.95,	0.00)	DC
HAULC	1ST HIGHEST VALUE IS	10.98891	490010.00,	3624126.00,	113.82,	113.82,	0.00)	DC
	2ND HIGHEST VALUE IS	10.20316	490010.00,	3624176.00,	114.02,	114.02,	0.00)	DC
	3RD HIGHEST VALUE IS	9.49115	490110.00,	3624076.00,	113.59,	113.59,	0.00)	DC
	4TH HIGHEST VALUE IS	9.44221	490160.00,	3624076.00,	113.60,	113.60,	0.00)	DC
	5TH HIGHEST VALUE IS	9.32154	490060.00,	3624076.00,	113.61,	113.61,	0.00)	DC
	6TH HIGHEST VALUE IS	9.01678	490210.00,	3624076.00,	113.56,	113.56,	0.00)	DC
	7TH HIGHEST VALUE IS	8.94149	490010.00,	3624076.00,	113.44,	113.44,	0.00)	DC
	8TH HIGHEST VALUE IS	8.30486	489960.00,	3624076.00,	113.44,	113.44,	0.00)	DC
	9TH HIGHEST VALUE IS	7.72361	490260.00,	3624076.00,	113.14,	113.14,	0.00)	DC
	10TH HIGHEST VALUE IS	7.36152	490060.00,	3624226.00,	113.98,	113.98,	0.00)	DC

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 5 YEARS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)				OF TYPE	NETWORK GRID-ID
MOD	1ST HIGHEST VALUE IS	90.62752 AT	(490307.00,	3624521.00,	111.83,	111.83,	0.00)	DC
	2ND HIGHEST VALUE IS	89.99254 AT	(490307.00,	3624511.00,	112.10,	112.10,	0.00)	DC
	3RD HIGHEST VALUE IS	85.06256 AT	(490307.00,	3624501.00,	112.39,	112.39,	0.00)	DC
	4TH HIGHEST VALUE IS	83.30568 AT	(490296.00,	3624511.00,	112.46,	112.46,	0.00)	DC
	5TH HIGHEST VALUE IS	82.47935 AT	(490307.00,	3624491.00,	112.57,	112.57,	0.00)	DC
	6TH HIGHEST VALUE IS	82.36219 AT	(490296.00,	3624501.00,	112.73,	112.73,	0.00)	DC
	7TH HIGHEST VALUE IS	80.47375 AT	(490307.00,	3624481.00,	112.71,	112.71,	0.00)	DC
	8TH HIGHEST VALUE IS	79.87558 AT	(490296.00,	3624491.00,	112.96,	112.96,	0.00)	DC
	9TH HIGHEST VALUE IS	78.29060 AT	(490307.00,	3624471.00,	112.83,	112.83,	0.00)	DC
	10TH HIGHEST VALUE IS	77.22308 AT	(490296.00,	3624481.00,	113.06,	113.06,	0.00)	DC
NB1	1ST HIGHEST VALUE IS	55.81199 AT	(490370.00,	3624476.00,	108.59,	108.59,	0.00)	DC
	2ND HIGHEST VALUE IS	51.11634 AT	(490380.00,	3624486.00,	108.19,	108.19,	0.00)	DC
	3RD HIGHEST VALUE IS	50.01765 AT	(490370.00,	3624466.00,	109.03,	112.71,	0.00)	DC
	4TH HIGHEST VALUE IS	48.45725 AT	(490317.00,	3624521.00,	111.56,	111.56,	0.00)	DC
	5TH HIGHEST VALUE IS	47.36407 AT	(490390.00,	3624496.00,	108.01,	110.33,	0.00)	DC
	6TH HIGHEST VALUE IS	46.15302 AT	(490370.00,	3624456.00,	109.29,	112.71,	0.00)	DC
	7TH HIGHEST VALUE IS	45.59852 AT	(490317.00,	3624491.00,	112.34,	112.34,	0.00)	DC
	8TH HIGHEST VALUE IS	45.06763 AT	(490380.00,	3624476.00,	108.20,	108.51,	0.00)	DC
	9TH HIGHEST VALUE IS	44.48858 AT	(490400.00,	3624506.00,	108.57,	110.33,	0.00)	DC
	10TH HIGHEST VALUE IS	42.44275 AT	(490370.00,	3624446.00,	109.45,	112.71,	0.00)	DC
NB2	1ST HIGHEST VALUE IS	71.13863 AT	(490319.00,	3624545.00,	110.69,	110.69,	0.00)	DC
	2ND HIGHEST VALUE IS	68.28244 AT	(490360.00,	3624566.00,	110.22,	110.22,	0.00)	DC
	3RD HIGHEST VALUE IS	66.49666 AT	(490350.00,	3624566.00,	110.22,	110.22,	0.00)	DC
	4TH HIGHEST VALUE IS	65.85381 AT	(490370.00,	3624566.00,	110.23,	110.23,	0.00)	DC
	5TH HIGHEST VALUE IS	63.86690 AT	(490319.00,	3624535.00,	110.81,	110.81,	0.00)	DC
	6TH HIGHEST VALUE IS	60.37019 AT	(490340.00,	3624566.00,	110.19,	110.19,	0.00)	DC
	7TH HIGHEST VALUE IS	59.58951 AT	(490380.00,	3624566.00,	110.49,	110.49,	0.00)	DC
	8TH HIGHEST VALUE IS	57.41409 AT	(490317.00,	3624521.00,	111.56,	111.56,	0.00)	DC
	9TH HIGHEST VALUE IS	56.35795 AT	(490319.00,	3624525.00,	111.22,	111.22,	0.00)	DC
	10TH HIGHEST VALUE IS	55.92550 AT	(490410.00,	3624526.00,	109.39,	109.39,	0.00)	DC
NB3	1ST HIGHEST VALUE IS	55.61416 AT	(490317.00,	3624481.00,	112.49,	112.49,	0.00)	DC
	2ND HIGHEST VALUE IS	54.30098 AT	(490317.00,	3624491.00,	112.34,	112.34,	0.00)	DC
	3RD HIGHEST VALUE IS	53.95428 AT	(490317.00,	3624511.00,	111.96,	111.96,	0.00)	DC
	4TH HIGHEST VALUE IS	53.88757 AT	(490317.00,	3624501.00,	112.14,	112.14,	0.00)	DC
	5TH HIGHEST VALUE IS	50.93129 AT	(490370.00,	3624476.00,	108.59,	108.59,	0.00)	DC
	6TH HIGHEST VALUE IS	48.99433 AT	(490317.00,	3624521.00,	111.56,	111.56,	0.00)	DC
	7TH HIGHEST VALUE IS	46.81508 AT	(490317.00,	3624461.00,	112.66,	112.66,	0.00)	DC
	8TH HIGHEST VALUE IS	46.32961 AT	(490370.00,	3624466.00,	109.03,	112.71,	0.00)	DC
	9TH HIGHEST VALUE IS	45.65898 AT	(490380.00,	3624486.00,	108.19,	108.19,	0.00)	DC
	10TH HIGHEST VALUE IS	45.56395 AT	(490317.00,	3624471.00,	112.57,	112.57,	0.00)	DC

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 5 YEARS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)					OF TYPE	NETWORK GRID-ID
ALL	1ST HIGHEST VALUE IS	235.79521 AT	(490317.00,	3624521.00,	111.56,	111.56,	0.00)	DC	
	2ND HIGHEST VALUE IS	220.41561 AT	(490317.00,	3624511.00,	111.96,	111.96,	0.00)	DC	
	3RD HIGHEST VALUE IS	213.79349 AT	(490319.00,	3624525.00,	111.22,	111.22,	0.00)	DC	
	4TH HIGHEST VALUE IS	211.75778 AT	(490307.00,	3624521.00,	111.83,	111.83,	0.00)	DC	
	5TH HIGHEST VALUE IS	209.35633 AT	(490307.00,	3624511.00,	112.10,	112.10,	0.00)	DC	
	6TH HIGHEST VALUE IS	208.36725 AT	(490309.00,	3624525.00,	111.70,	111.70,	0.00)	DC	
	7TH HIGHEST VALUE IS	205.09748 AT	(490317.00,	3624501.00,	112.14,	112.14,	0.00)	DC	
	8TH HIGHEST VALUE IS	203.75327 AT	(490307.00,	3624501.00,	112.39,	112.39,	0.00)	DC	
	9TH HIGHEST VALUE IS	203.05400 AT	(490317.00,	3624491.00,	112.34,	112.34,	0.00)	DC	
	10TH HIGHEST VALUE IS	198.53125 AT	(490307.00,	3624491.00,	112.57,	112.57,	0.00)	DC	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

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07/10/19
 *** AERMET - VERSION  14134 ***   ***                                                                        ***
14:23:32

PAGE 274
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

 *** Message Summary : AERMOD Model Execution ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            1 Warning Message(s)
 A Total of        11953 Informational Message(s)

 A Total of        43872 Hours Were Processed

 A Total of        10846 Calm Hours Identified

 A Total of         1107 Missing Hours Identified (  2.52 Percent)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***


    ********   WARNING MESSAGES   ********
 MX W481   43873         MAIN: Data Remaining After End of Year. Number of Hours=           48

    ************************************
    *** AERMOD Finishes Successfully ***
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Appendix B
Historic Resources Assessment

ESA

DRAFT

MARSTON MIDDLE SCHOOL WHOLE SITE MODERNIZATION PROJECT

Historical Resources Assessment

Prepared for
San Diego Unified School District
Facilities Planning and Construction
4860 Ruffner Street
San Diego, CA 92111

October 2019

ESA



DRAFT

MARSTON MIDDLE SCHOOL WHOLE SITE MODERNIZATION PROJECT

Historical Resources Assessment

Prepared for/Submitted to:
San Diego Unified School District
Facilities Planning and Construction
4860 Ruffner Street
San Diego, CA 92111

Project Manager:
Margarita Jerabek, Ph.D., Director of Historic Resources

Report Author:
Alison Garcia Kellar, M.S., Senior Architectural Historian

Project Location:
3779 Clairemont Drive, San Diego, CA 92117

La Jolla (CA) USGS 7.5-minute Topographic Quad
Township 16 South, Range 3 West, Section 4
Assessor Parcel Number: 4258-500-700
Acreage: 20.08 acres

Prepared by:

ESA
550 West C Street
Suite 700
San Diego, CA 92101
619.719.4200

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MARSTON MIDDLE SCHOOL WHOLE SITE MODERNIZATION PROJECT

Historical Resources Assessment

Executive Summary

Environmental Science Associates (ESA) has been retained by the San Diego Unified School District ("District") to prepare a Historical Resources Assessment (Report) for the proposed Marston Middle School Whole Site Modernization Project ("Project" or "Proposed Project"). The District is proposing to make interior and exterior improvements to the buildings and campus grounds of Marston Middle School ("Marston MS" or "campus"), including the repair, replacement, and modernization of facilities at the campus, the demolition of portables and the construction of a new parking and drop-off area, the construction of a new gymnasium building, construction of a joint-use field, and the erection of new signage at the site. The Proposed Project also includes safety and access upgrades and the replacement of walkway pavement. The focus of this Report is to identify and evaluate historical resources located on the Marston Middle School campus, and if any historical resources are identified, analyze potential impacts to historical resources pursuant to the California Environmental Quality Act (CEQA). The campus is located at 3799 Clairemont Drive, within the City of San Diego (City), San Diego County (County), California on assessor parcel number (APN) 4258-500-700. The District is the lead agency pursuant to the California Environmental Quality Act (CEQA).

ESA evaluated Marston MS for potential eligibility for listing in the National Register of Historic Places (National Register) and California Register of Historical Resources (California Register) as a historic district. Because the District is the lead agency, the local designation programs (i.e., the City of San Diego) are not applicable and therefore Marston MS was not evaluated against the City of San Diego's Historical Resources Register criteria.

As a result of ESA's research and survey investigations, the Marston MS campus, including seven original structures and the identified character-defining campus plan and landscape, is recommended eligible as a historic district for its historical significance and architectural merit under both National Register Criteria A and C at the state and local levels of significance, and the California Register under Criteria 1 and 3. Historically, Marston MS is associated with the construction of residential suburbs in the Clairemont neighborhood, which paralleled an important growth pattern for the city. The accelerated postwar growth pattern being experienced throughout San Diego during this time was prominent in the developing Clairemont neighborhoods in the early to late 1950s. Architecturally, Marston MS is eligible as a unique example of a post-war Mid-Century Modern Style/Contemporary Style school, with designs that were considered innovative for the era for their economy, utility, and beauty. Based upon these

significance findings, the period of significance has been identified as the years 1954–1955, when the campus was constructed and first opened to students. As part of a larger master plan, the campus was designed to include a deliberate indoor/outdoor relationship between the buildings and the landscape, which is an important component of the design. The existing buildings, site plan, landscape, and spatial relationships found in the historic district are integrated with one another and function as a unified entity. Taken together, the contributing components of the historic district constitute a distinctive significant entity that is eligible for its architectural merit under National Register Criterion C and California Register Criterion 3 as a historic district at the state and local levels. The following buildings constructed during the period of significance contribute to the eligibility of Marston MS as a historic district under National Register Criteria A and C at the local level, and under the California Register under Criteria 1 and 3, and are considered contributing buildings to the potentially eligible Marston MS Historic District: Administration Building 100, Classroom Building 100a, Classroom and Shop Building 100b, Classroom Building 300, Auditorium Building 400, Cafeteria, and the Locker and Fitness Building 600. In addition, the Auditorium Building 400 also appears eligible for the National Register at the state and local levels and California Register as an individual resource under Criteria A/1 and C/3 for its importance to the Clairemont community, and as a representative example of the Mid-Century Modern Style/Contemporary Style architectural style as applied to a junior high/middle school auditorium.

The Project was analyzed for potential impacts to identified historical resources. The Project would modernize all of the contributing buildings and modify some of the associated campus landscape features, as described above. Project plans are still being developed and have not been finalized. While the Project would retain the components of the potential district, including the eligible buildings, site plan and landscape, potential adverse impacts would occur under the Project because of the proposed exterior changes to the buildings that would affect important character-defining features including replacement of windows and doors, removal of louvres, and interior upgrades. While changes to the site plan for the new circulation and drop off do not appear to impact the integrity of the overall campus plan adversely, proposed ADA improvements could adversely affect the character of the campus architecture, plan and landscape. Furthermore, while the proposed new gymnasium would be located away from the original school buildings and would not require demolition of any historic buildings and the scale and massing of the proposed new gymnasium would be compatible with the contributing buildings in the district, the final design of the new gymnasium is not fully developed. Therefore, potential adverse impacts would occur to historical resources because the Project would not fully conform with the Secretary of the Interior's Standards (Standards) as described in detail in this report. Mitigation measures are recommended to ensure conformance with Standards including CUL-1: Plan Review, CUL-2: Historic American Building Survey, CUL-3: Monitoring. With mitigation recommendations incorporated to ensure conformance with Standards, potential impacts from the Project on historical resources would be less than significant.

Introduction

ESA has been retained by the District to prepare this Report for the Proposed Project. The 20.3-acre campus is presently developed with the buildings and grounds of Marston MS, a part of the District. The District is proposing to make interior and exterior improvements to the buildings grounds of Marston MS, including the repair, replacement, and modernization of facilities at the campus, the demolition of portables and the construction of a new parking and drop-off area, the construction of a new gymnasium building, construction of a joint-use field, and the erection of new signage at the site. The focus of this Report is to identify and evaluate potential historical resources located on the campus, to evaluate proposed changes to the property under CEQA and the Secretary of the Interior's Standards for Rehabilitation, and provide recommendations to reduce potential adverse impacts for compliance with CEQA.

Location

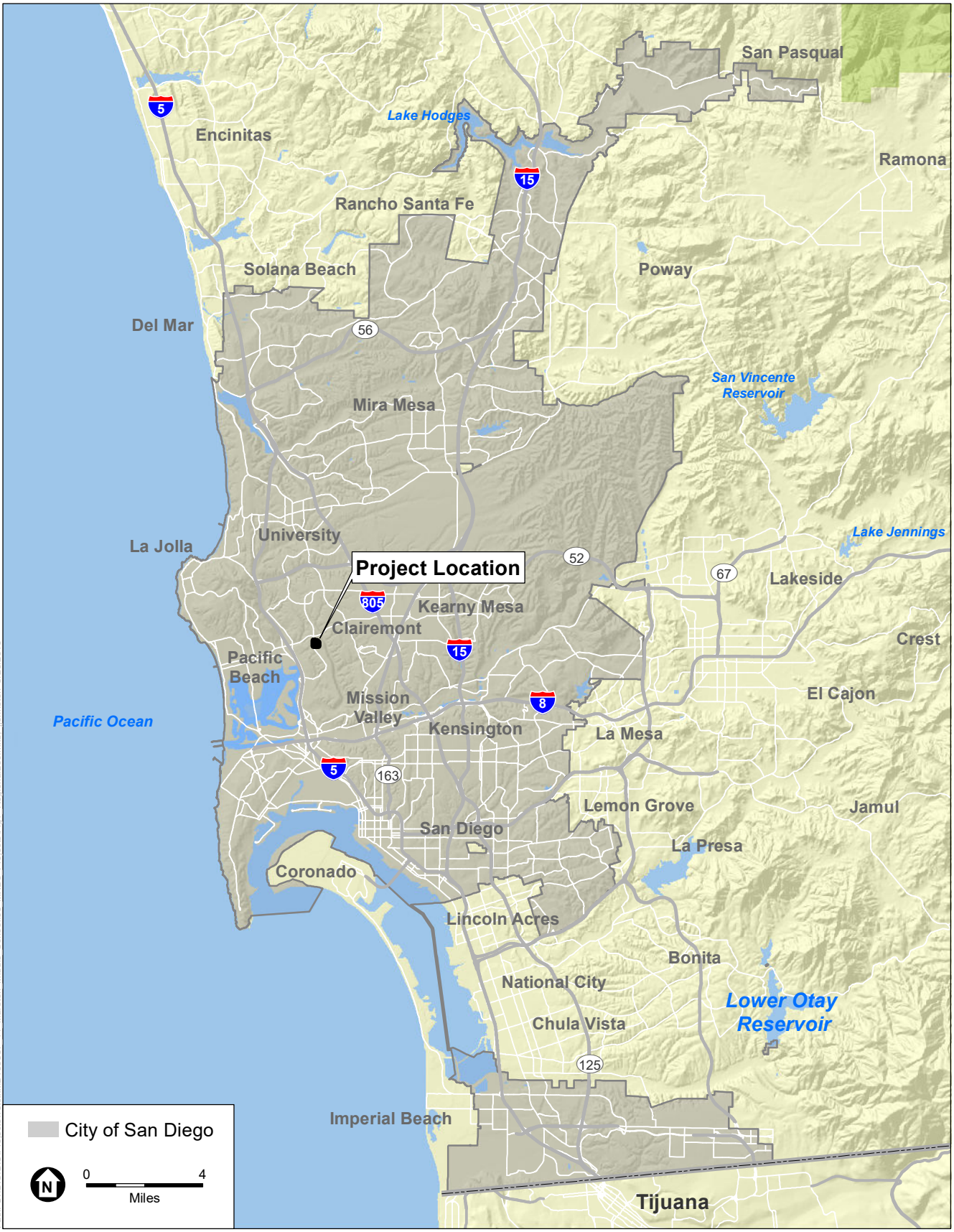
The 20.3-acre Marston MS is located in the City of San Diego (City) in the Clairemont neighborhood as shown in **Figure 1**. The boundaries of Marston MS are shown in **Figure 2**. The western boundary of the campus is Clairemont Drive; the northern boundary of the campus is Ute Drive; and the eastern boundary is Waco Street. The campus is bound to the south by South Clairemont Recreation Center, a City of San Diego Park. The campus is depicted on the United States Geological Survey (USGS) 1975; 1978 7.5' La Jolla topographic quadrangle map. Primary regional access is provided by California Interstate 5 (I-5), which runs north-south, accessible from Balboa Avenue approximately 2.7 miles to the west of the campus.

Project Site

The Marston MS campus is comprised of eight wood frame and stucco structures, arranged in a quadrangle with *brise-soleils,* or connecting covered walkways (**Figure 3**). Original buildings include the Administration Building 100, Classroom Building 100a, Classroom and Shop Building 100b, Library and Classroom Building 200, Classroom Building 300, Auditorium Building 400, Cafeteria, and the Locker and Fitness Building 600. The campus also includes four portable structures dedicated to Marston MS use, and six portable structures that serve temporary District purposes.

Research and Field Methodology

Professionals involved in the preparation of this report included Margarita Jerabek, Ph.D., technical and compliance oversight; and report author Alison Garcia Kellar, M.S., senior architectural historian. Each of these contributing authors meet the *Secretary of the Interior's Professional Qualification Standards* in history, architectural history or historical architecture. Professional qualifications are provided in **Appendix A**.



SOURCE: ESRI; SanGIS 2015

Marston Middle School

Figure 1
Regional Location

ESA



SOURCE: Mapbox; SanGIS 2019

Marston Middle School

Figure 2
Project Location

ESA



SOURCE: Mapbox; SanGIS 2019

Marston Middle School

Figure 3
Existing Site Layout

ESA

The following tasks were performed:

- A pedestrian survey and digital photography was undertaken on September 3, 2019 to document the existing conditions of the campus and the surrounding vicinity.
- Site-specific research on the campus was conducted utilizing building permits, Sanborn Fire Insurance maps (Sanborn maps), *San Diego Union*, *San Diego Tribune*, and *Evening Tribune* at the University of CaliforniaSan Diego Geisel Library, Ancestry.com, Newspapers.com, University of California Santa Barbara's Framerfinder.com, and other published sources. Research was conducted at the San Diego History Center in Balboa Park.
- Review and analysis of ordinances, statutes, regulations, bulletins, and technical materials relating to federal and state, designation assessment processes, and related programs.
- Completion of a historic resource assessment of the potential historic resource based upon criteria used by the National Register and the California Register.
- A site plan and project description for the Proposed Project were reviewed for compliance with CEQA Guidelines Section 10564.5, and for conformance with the Secretary of the Interior's Standards for Rehabilitation (Standards).
- The following schematic documents were reviewed: *Project Components* dated 2016 prepared by the District, and *Marston Middle School Pre-Schematic Assessment* dated 2019, prepared by Roesling Nakamura Terada Architects and the District.

Historic Context

This thematic historic context presents the history of the region and Marston MS, and was developed to document and support the identification and evaluation of historic architectural resources. Research indicates Marston MS is associated with the following historical and architectural themes: the development of Clairemont; San Diego Unified School District; and Marston MS. Additionally, the Mid-Century Modern Style/Contemporary Style and architect Herluf Brydegaard, are discussed. The existing campus configuration is shown in **Figure 3**.

The Development of Clairemont

In 1950, seasoned real estate developers Louis C. Burgener and Carlos Tavares began the process of building one of the largest real estate developments in San Diego history.[1] Burgener attended the University of Utah, majoring in business administration and economics. He studied in Europe for an additional two years, and settled in Chicago to begin his successful building and land development business. Burgener relocated to San Diego after WWII.[2] Tavares was born in Shanghai, and came to the United States to attend the University of Notre Dame, where he studied civil and structural engineering. After working in on high-profile bridge projects in China and the United States, he became a managing partner of a concrete ship company in National City. Tavares began to work on residential projects in south La Jolla, and from Chula Vista to Solana Beach with business partner Burgener.[3] Located to the east of Mission Bay, the Burgener and Tavares team began to buy former cattle grazing land on Morena Mesa. These acquisitions

1 "Clairemont," *San Diego Magazine*, March 1952.
2 Ibid.
3 Ibid.

amounted to approximately 3,000 acres of old pueblo lots of the Hollingsworth Estate, the Peavey cattle ranch, Mission Bay heights, and Tecolote heights. Once property was secured, development began quickly to construct an ideal community overlooking the bay and the Pacific Ocean.

Burgener and Tavares worked closely with San Diego's City Planning office at the onset of their endeavor, indicative of the forethought required to develop such a large area.[4] Vital improvements like sewers, water mains, and access roads needed to be brought in from a distance in order for the community to be operative. The developers consulted nationally known land planning engineers, and incorporated contemporary planning trends including gently winding street layouts with explicit sites reserved for schools. Despite this arduous planning, the District's office of research and statistics miscalculated the predicted amount of children who would be needing to attend its schools in the early 1950s, and as a result, according to a *San Diego and Point Magazine* article, "there was a period in 1953 when many classes had to meet in the living or dining room of an unfurnished duplex, and school supplies were stored in the bathtub," which further informed continued planning through the decade.[5] The subsequent series of master planned neighborhoods designed at this time further included curvilinear streets, landscaping, shopping centers, parks, churches, and other amenities.

Up-and-coming architects, including Harold Abrams, Benson Eschenbach, and Richard George Wheeler, were hired to design 20 different floor plans and 50 to 60 elevations, which comprised a tract of 500 "deluxe homes" in south Claremont's first 1,000-acre tract home community.[6] This early Clairemont neighborhood was marketed to an "upper middle class, junior executive young professional group," to which customization was key to reflect their individual and different "excellent taste." These homes were each customizable with the owner permitted to select the color, wallpaper, plumbing, cabinets, door openings, and so on.[7] Later phases used very similar Tract Ranch and Contemporary designs, creating the tract home style ubiquitous in San Diego.[8] Recorded in 1950, Clairemont would become one of the country's largest postwar planned communities.[9]

The accelerated postwar growth pattern exhibited by San Diego as a whole was also present in the developing Clairemont neighborhoods. Contemporary architectural styles were utilized throughout the development of Clairemont, including in the design of commercial strips and shopping centers, which were newly designed to accommodate the increased mobility afforded to car owners.[10] Between 1953 and 1965, Clairemont Drive would become a central three-mile-long corridor, which would include the Clairemont Quad, and Clairemont Square retail centers. While the bulk of the residential tract housing was considered to be relatively simple in style, some of

4 Kenneth Eisler, "Clairemont: how to live," *San Diego & Point Magazine*, July 1957, pp. 36.

5 Ibid., 90.

6 Ibid., 19; and Save Our Heritage Organisation, "Clairemont: "The Village Within a City" Self-Guided Driving Tour," SOHO, 2016.

7 *San Diego Magazine*, 18.

8 Tim Yates, "Modern San Diego Public School Development," ICF International for San Diego Unified School District, 2015, pp. 40.

9 Save Our Heritage Organisation.

10 "Modern San Diego Public School Development," pp. 42.

the best surviving examples of mid-century modern architecture in San Diego remain in Clairemont, and include commercial, educational, religious, and recreational buildings, in addition to duplex homes and apartment complexes.[11] This style as present throughout Clairemont reflects an "optimism in a peaceful economically prosperous postwar America."

An article published in the *San Diego and Point Magazine* in 1957 reflected on the early development of Clairemont, noting that "At the time, Clairemont was considered to have better planning than any other subdivision of its size in the country, particularly in providing easy accessibility of its citizens to churches, schools, recreational facilities."[12] As the postwar housing and population boom continued through the decade, by 1957, other portions of Clairemont continued to be developed, including East Clairemont. It was then estimated that by 1967, anywhere from 100,000 to 250,000 people would be living in the Clairemont area.[13]

Developers Burgener and Taveres who planned out the space allocation for buildings in the Clairemont neighborhoods also considered the locations of schools, parks, and shopping centers as part of the community plan. School construction and grounds development contracts totaling over $6 million were awarded by the District during the 1954–1955 fiscal year. By August of 1954, there were twenty school buildings under construction contracts and nine school development contracts underway.[14] Marston MS was designed and constructed in 1954-55. Constructed immediately to the south of Marston MS, was Whittier Elementary School, constructed in 1954. Across the street, and to the northwest, Clairemont High School was constructed in 1960.[15]

San Diego Unified School District

Public education in the City of San Diego originates in 1850, when the Common Council appropriated funds for a school room in the sheriff's house. The origins of what would become the District, however, lie in School District No. 1, which was established on July 1, 1854. In 1865, the city erected the Little Green School on Mason Street, shortly followed by a new two-story school in the same location in 1872.[16] The first high school began in 1888 with the opening of Russ School. Russ School became San Diego High School in 1903, and in 1906 a new San Diego High School was constructed. This would be the only high school until the opening of La Jolla Junior-Senior High School in 1922. The school population expanded nearly 500 percent, from 3,000 to 14,275 students between 1900 and 1922, leading to the construction of sixteen new elementary schools in that time period, as well as San Diego's second high school (La Jolla) and first two junior high schools (Memorial and Theodore Roosevelt).[17]

11 Save Our Heritage Organisation.

12 *San Diego & Point Magazine.*

13 Ibid., 33.

14 "S.D. School Work Totals Six Million," *San Diego Union,* August 15, 1954.

15 Kristin M. Schmachtenberg and John E. Panter, "Guide to the Architectural Records Collection," The Journal of San Diego History, Summer/Fall 2003, Volume 49, Numbers 3 and 4, pp. 138-139.

16 San Diego Unified School District, *100 Years of Public Education in San Diego: July 1, 1854 to June 30, 1954* (San Diego: San Diego Unified School District, 1954), 3.

17 Tim Yates, *Modern San Diego Public School Development* (ICF for San Diego Unified School District, 2015), 1.

The onset of the Great Depression saw financial difficulties for San Diego schools. High unemployment led to a shrinking tax base, which in turn led to decreased budgets for schools. This translated to increased class sizes and lower teacher salaries, but began to change with federal aid from the Roosevelt Administration's New Deal economic program.[18] By 1940, the District had expanded to thirty-eight elementary schools, five junior high schools, two junior-senior high schools, three high schools, a day and evening junior college, a continuation school, and a vocational school.[19]

This increase in school construction was further accelerated with the boom in wartime industry and military enrollment associated with World War II. Defense workers from across the country flooded into San Diego along with their children, who put a strain on San Diego's school system. The federal government under the Lanham Act of 1940 built housing for the workers and their families, and thirteen schools for their children.[20] During this time of immense growth, San Diego's population was 203,341 in 1940 which grew to 334,387 by 1950. Bonds issued in 1946, 1950, and 1953 funded new schools and paid for improvements to existing ones.[21] Yet even with the construction of new permanent school complexes and new buildings at older campuses, the District continued to rely on portable classrooms to accommodate the growing student population as evidenced at Marston MS throughout its existence.

School building campuses designed during the Great Depression and World War II periods typically consisted of multiple buildings, some which were predominantly one story and elongated in plan, with auditorium-cafeteria volumes that were taller in height than the rest of the structure. All buildings of this type appear to have been designed with interior circulation corridors and classroom entries.[22] Following World War II:

> *… the school site dominated by a large monumental building would become a symbol of the past. Provided with larger school sites in new suburban subdivisions, and committed to exploring Modernist indoor outdoor design principles, post-war school planners and architects would increasingly eliminate interior circulation corridors, spread out the school plan across a larger area, multiply the number of buildings, and treat the growing interstitial areas between buildings as integral elements of the educational built environment requiring careful attention to landscaping.*[23]

After the war, San Diego school architects quickly intermingled International style with newer architectural idioms to produce designs for schools that were considered to be "Mid-Century Modern." New San Diego-area schools designed in this post-war period were generally reflective of architectural trends, however, larger school sites in suburban areas allowed for a more in-depth application of indoor-outdoor design principles that older urbanized school sites could not support. While it was more common that this relationship between the inside and outside was

18 Ibid., 4.
19 Ibid.
20 Ibid., 7.
21 Ibid., 10.
22 Ibid., 10.
23 Ibid.

more heavily exercised at building sites of the post-war era, a few innovative Modernist architects began to explore this approach prior to the war.[24]

Marston Middle School Establishment and Construction History

A 1952 aerial photograph indicates that Ute Drive, Clairemont Drive, and Waco Street surrounding the future Marston Junior High School had been intentionally laid out by Burgener and Taveres, and many of the immediately surrounding residences had been constructed by this period. The subject parcel, however, remained undeveloped (**Figure 4**).



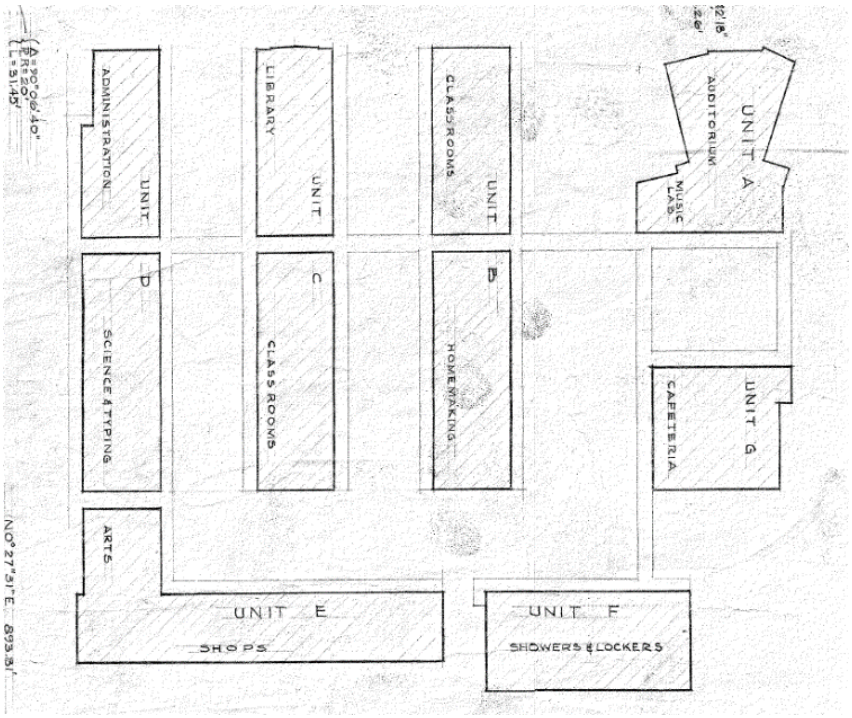
Marston Middle School IS NOE / 160537.14
SOURCE: University of California, Santa Barbara

Figure 4
Aerial of Future Project Site Still Undeveloped toward Center, 1952

Plans for the new "Clairemont Junior High School," were created by San Diego and El Cajon-based architect Herluf Brydegaard in March of 1954 (**Figures 5 and 6**). The Board of Education had set aside $1,575,000 for a new school at the undeveloped 20-acre Clairemont site, which was anticipated to relieve nearby Pacific Beach Junior High School of an overload.[25] A call for bids resulted in F. F. Young Construction winning the construction contract to construct the campus plan in May of that year. Young's low bid, one of 10 submitted to the Board, won at $1,182,000. A newspaper article quoting the School Board mentioned that since more money had been set aside

[24] Ibid.
[25] "New Junior High Under Construction," *San Diego Union*, July 4, 1954.

for the junior high school, that "this low bid will leave us sufficient funds for a new elementary school."[26] By this time, the school had been named "George W. Marston Junior High School," named after San Diego's pioneer merchant who developed and donated Presidio Park to the city in 1928.[27] Construction costs were around $10 a square foot, and included site preparation, playground and paving equipment, fencing and large equipment items.[28] The price per square foot was considered "a substantial reduction in school building costs for the last several years."[29] Associated Superintendent of the District, D. George Geyer, noted that this cost per square footage represented the lowest "completed footage" cost of any new school project in more than 10 years.[30]

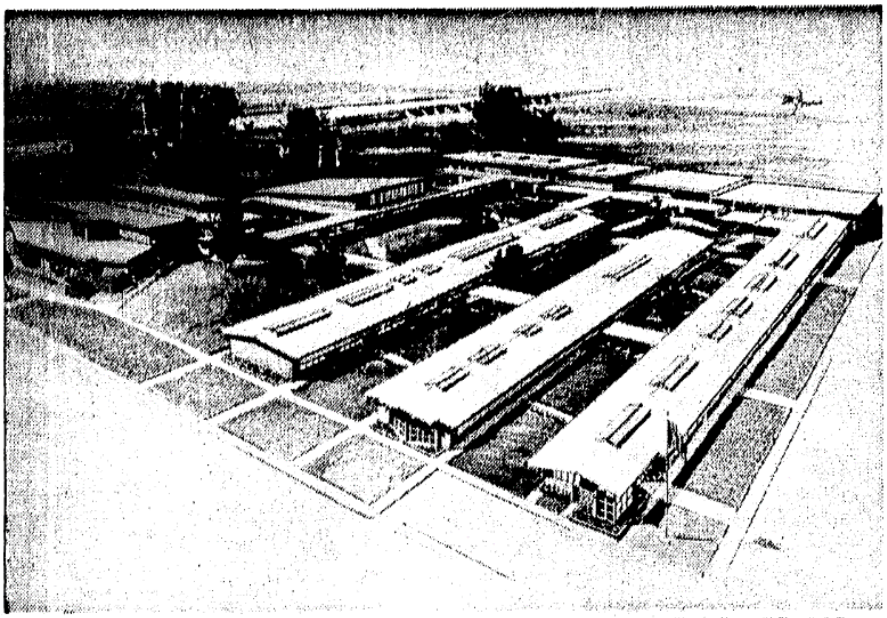


Marston Middle School IS NOE / 160537.14

SOURCE: SDUSD, Herluf Brydegaard, 1954

Figure 5
Original Site Plan for Marston MS as Designed by Architect Herluf Brydegaard, 1954

26 "New School Contract Awarded to Young," *San Diego Union*, May 5, 1954.
27 "New Junior High Under Construction."
28 "Design of School Keyed to Economy," *San Diego Union*, May 15, 1955.
29 "New School Contract Awarded to Young."
30 New Junior High Under Construction."



ARCHITECT'S SKETCH OF GEORGE MARSTON JUNIOR HIGH SCHOOL
Building Of Another Modern Plant Well Under Way In Clairemont.

Marston Middle School IS NOE / 160537.14

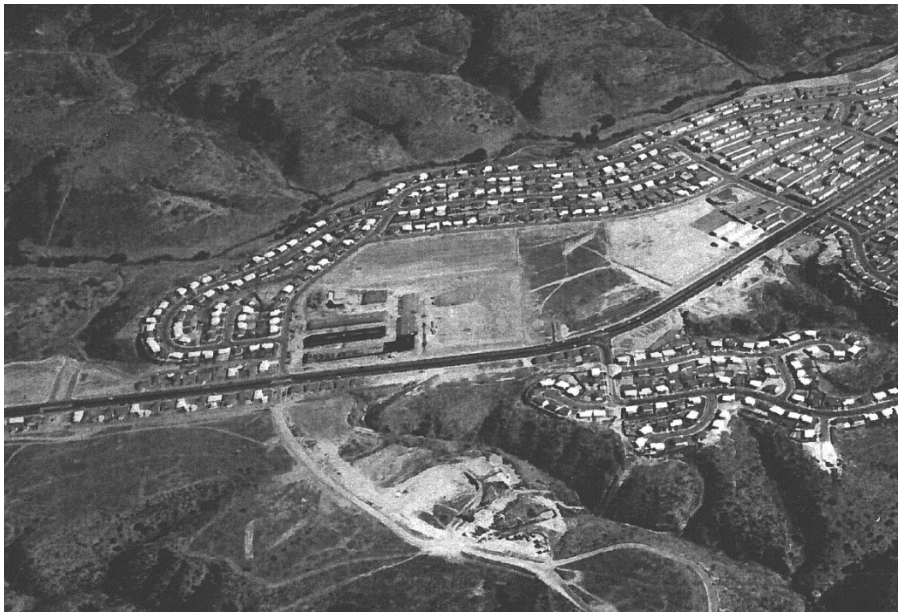
SOURCE: *San Diego Union*, 1954

Figure 6
Renderings of Marston MS Campus Featured in a *San Diego Union* Article, 1954

Construction of the one-story "plant"/campus comprised of eight buildings began in the summer of 1954, only a few short months after the construction contract was awarded (**Figure 7**).[31] The multi-unit school campus was to be constructed by July of 1955, in time for the opening of classes for the new school year. The school was to serve the communities of Bay Park Village, Overlook Heights, and Clairemont.[32]

31 "County Clippings: North Shores Sentinel," *The Chula Vista Star*, July 1, 1954.

32 "New Junior High Under Construction."



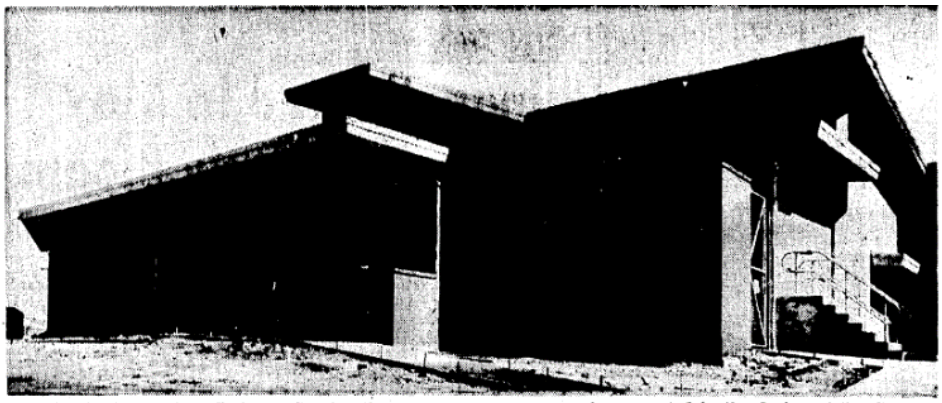
Marston Middle School IS NOE / 160537.14

SOURCE: Howard W. Kozelle Collection, San Diego History Center, 1954

Figure 7
Detail of Clairemont Aerial Photo with Marston MS under Construction toward Center, 1954

Upon completion of Marston MS, the school's design was considered to include many features that contributed to its "economy, utility, and beauty," and was revered as an example for other school districts, including the San Francisco Bay Area, Stockton, and Phoenix during the nationwide post-war construction and population boom (**Figures 8 through 12**). The design of Marston MS was acknowledged in the contemporary press as being important in the development of educational architecture because it provided a solution to one of California's most pressing educational problems of the era, which was the cost of providing a "sufficient modern school."[33]

33 "Design of School Keyed to Economy."

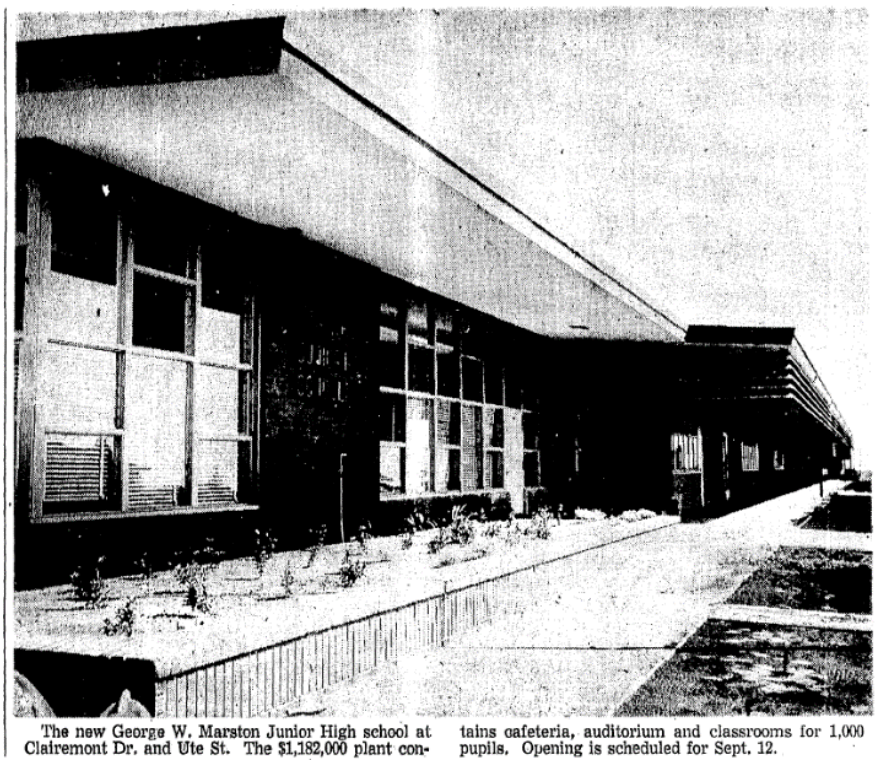


NEW JUNIOR HIGH SCHOOL: Construction economy features are incorporated in the design of the George W. Marston Junior High School, now being built in Clairemont. Completion is scheduled in June.

Marston Middle School IS NOE / 160537.14

SOURCE: *San Diego Union*, 1955

Figure 8
Photograph of Marston MS Featured in a *San Diego Union* Article, 1955

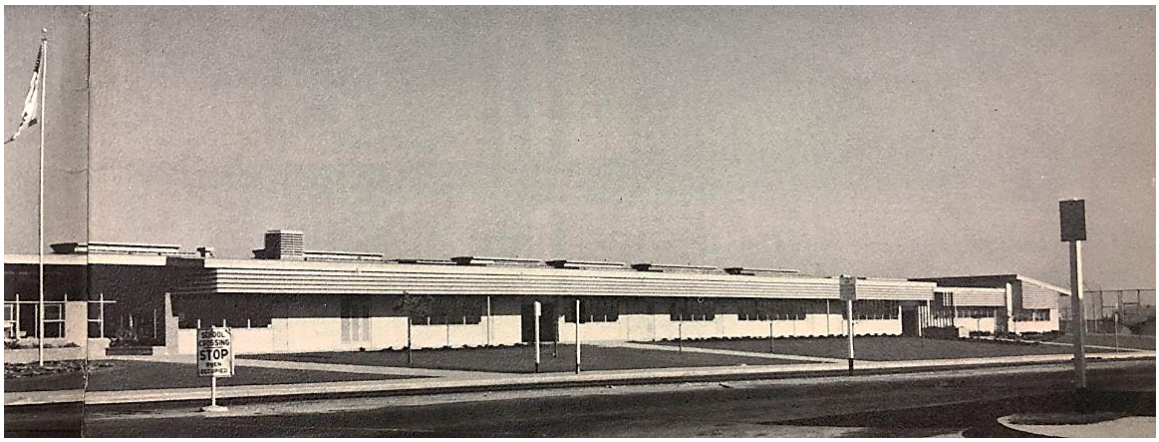


The new George W. Marston Junior High school at Clairemont Dr. and Ute St. The $1,182,000 plant contains cafeteria, auditorium and classrooms for 1,000 pupils. Opening is scheduled for Sept. 12.

Marston Middle School IS NOE / 160537.14

SOURCE: *San Diego Union*, 1955

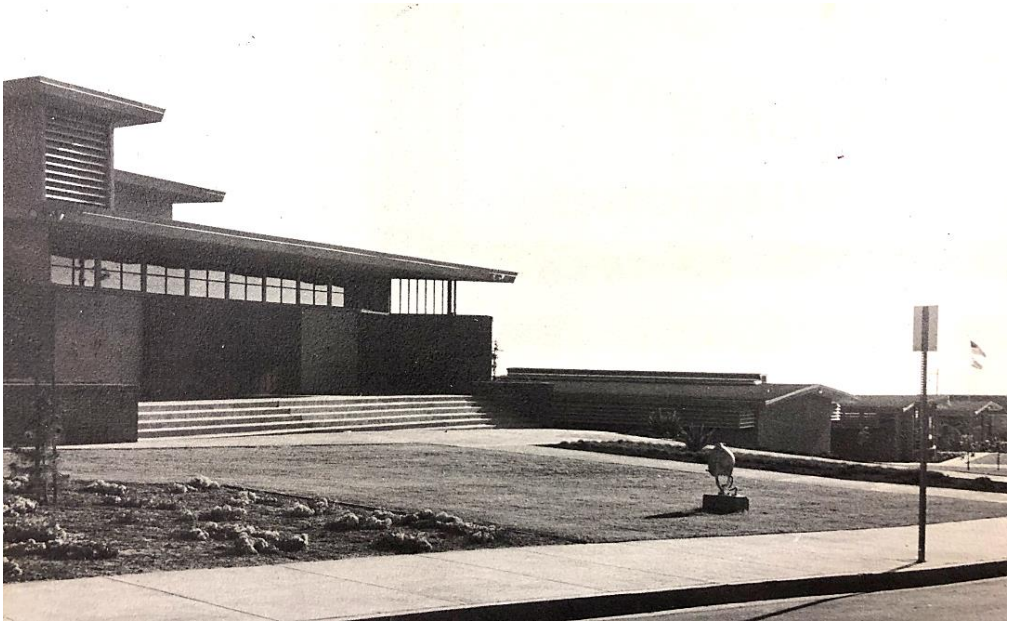
Figure 9
Photograph of Marston MS Main Entrance along the West Elevation, 1955



Marston Middle School IS NOE / 160537.14

SOURCE: Marston Milestones Yearbook, 1956

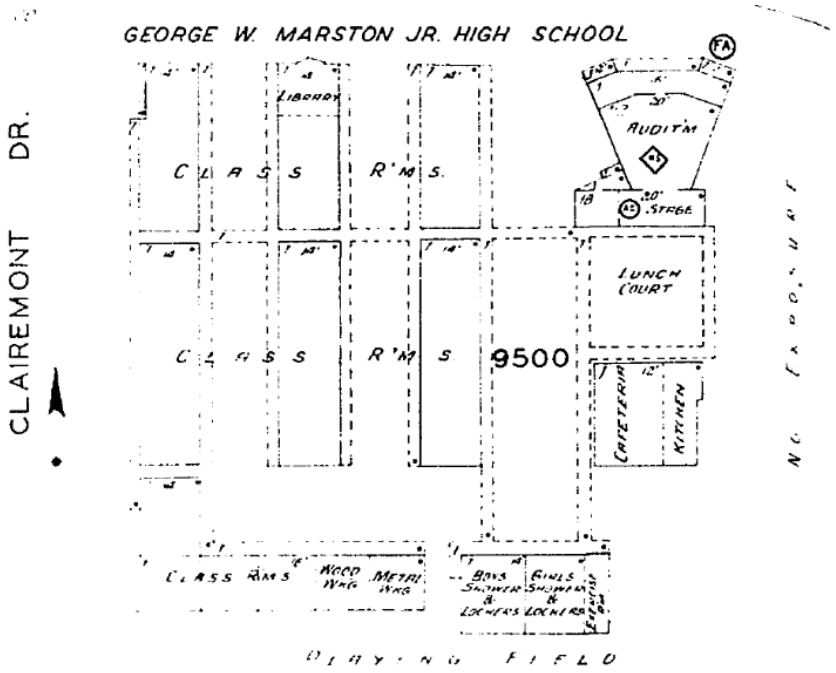
Figure 10
Marston MS Administration Building 100 West Elevation, 1956



Marston Middle School IS NOE / 160537.14

SOURCE: Marston Milestones Yearbook, 1956

Figure 11
Marston MS Auditorium Building 400 with Classroom Building 300 and Library and Classroom Building 200 beyond, 1956



Marston Middle School IS NOE / 160537.14

SOURCE: Sanborn Map

Figure 12
Detail of Sanborn Map of Marston MC Campus Created in 1956

Designed and constructed to accommodate 1,500 students, the wood frame and stucco complex included features such as "… skylights for balanced lighting, elimination of costly and noisy interior corridors and a building arrangement designed to reduce utility construction cost."[34] A *San Diego Union* newspaper article written the year of the school's opening in 1955 touted the school's economical design:

> *"'Using space and materials where it counts, has kept cost down to a figure which has attracted inspection visits from school officials as far as the San Francisco Bay area, Stockton, and Phoenix,' said Tom Erchul, staff architect for the board of education.*
>
> *The economy is not evident to the casual visitor to the school. Modern appearance, extensive use of ornamental brick work, birch and mahogany paneling in office and library, and built-in equipment and cabinet work present an impression contradictory to low cost.*
>
> *Brydegaard has designed long buildings for the classrooms, shops, cafeterias and other facilities. The classrooms are back-to-back eliminating interior corridors which are far more costly than exterior walkways.*
>
> *Colored concrete walkways along the exterior are under the roof overhang.*
>
> *Lighting is achieved in the classrooms with large window areas on one wall and skylights with glare-reducing glass above the inner, blank wall. The outside roof*

34 Ibid.

> *overhang is fitted with aluminum louvres which permit maximum natural light but cut glaring sunlight.*
>
> *A features of the plant layout is placement of buildings on either side of a main walkway, under which the main utilities are laid. This permits orderly extension of utilities of each building at a cost below the spiderwork of utilities common to less uniform layouts.*
>
> *Radiant heating is provided for each building with copper pipes imbedded in the concrete slab floors.*
>
> *Costs also have been reduced in the design of built-in cabinetry, closets, filing space and other equipment. Student lockers have been built into a thorough-space in the classroom buildings. These spaces can be closed and locked with roll-up aluminum doors. When open they provide a continuous walkway across the campus."*[35]

By the time the school opened in the fall of 1955, a Parent-Teacher-Association had formed. The school awaited peak enrollment that year, and by the following year, enrollment was 1,222 students, with the capacity for 1,500.[36] The school's auditorium began to be used instantly by not only its students, but the community at-large. In the 1950s this included plays, musical performances, and fashion shows performed by Marston students, and also performances by local groups.[37] A photograph from the San Diego and Point Magazine shows the original configuration of the library's Ute Drive glass facade with gables roof (**Figure 13**). Aerial photographs from 1962 depict the Marston MS campus as fully completed with eight original buildings (still extant), along with a large recreation field or paved area to the south (**Figures 14 and 15**).

Due to continued rapid population growth, portable buildings were added to the school campus almost immediately after it was completed. Three portable buildings are visible in the 1962 aerial photograph at the northeast extent of the site, which are no longer present today (**Figures 14 and 15**). A site plan created in 1971 depicts the relocation of three portable buildings from other nearby District elementary schools to the Marston MS site.[38]

The following year in 1972, a fire set by an arsonist cause damage to the exterior and interior of the boy's locker room, on the southern half of the Locker and Fitness Building 600. The fire charred one wall and damaged the roof and ceiling of the boys' locker room and caused extensive damage to a locker area just outside of the boys' locker room. The acoustical ceiling was to be repaired due to smoke damage.[39]

Over the years, some changes and alterations to the school campus have occurred in response to community and educational needs. In 1976, a half-mile bike trail was constructed along Balboa Avenue to serve both Marston Junior High School and Clairemont High School due to safety

35 Ibid.

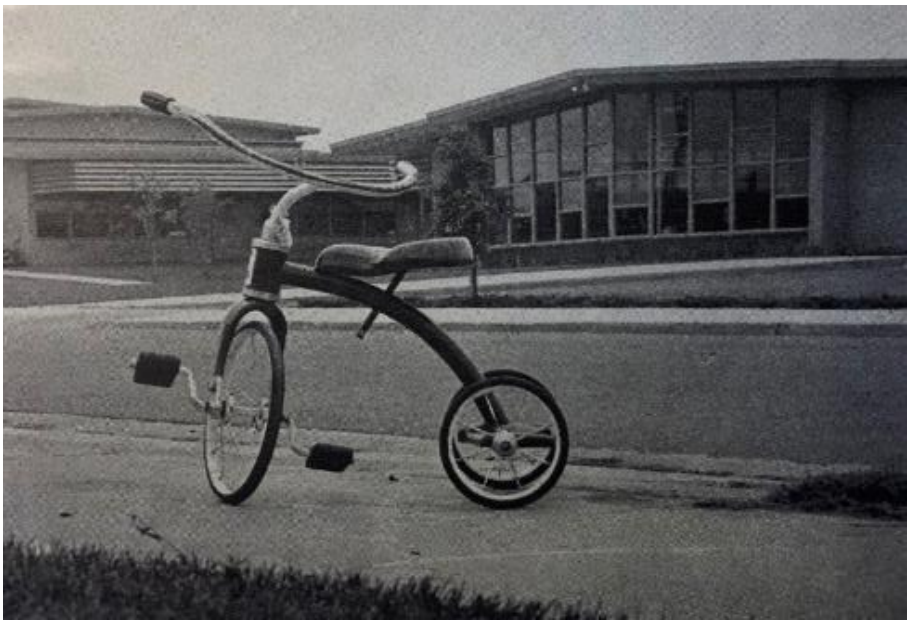
36 "School Dedication to Be Held Today," *San Diego Union*, February 5, 1956.

37 "San Diego County Calendar of Events," *The Star-News National City and Chula Vista*, December 6, 1956.; and "PT Parleys Slated," *San Diego Union*, January 19, 1958.

38 "Portable Relocation Plans," Architectural Department Board of Education San Diego Unified School District, 1971.

39 "Arsonist torches school gymnasium in San Diego," *Independent Press-Telegram*, April 30, 1972.

reasons.[40] In 1979, a portion of the kitchen's out-service room, which serves the cafeteria, was demolished and reconfigured. This included the insertion of out-service windows at the north Cafeteria elevation, and the relocation of doors, new sinks, and cabinetry.[41]



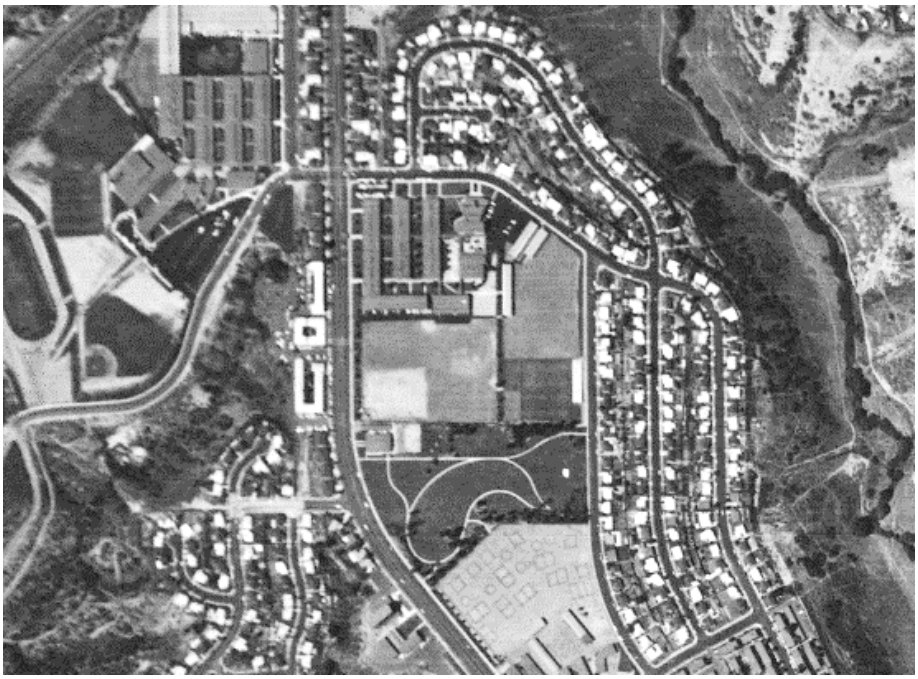
Marston Middle School IS NOE / 160537.14

SOURCE: *San Diego and Point Magazine,* photograph of by Kenneth Eiser, 1957

Figure 13
Former North Elevation at Library and Classroom Building 200, 1957

40 "Safety bike trail set in San Diego," *Independent,* February 20, 1976.

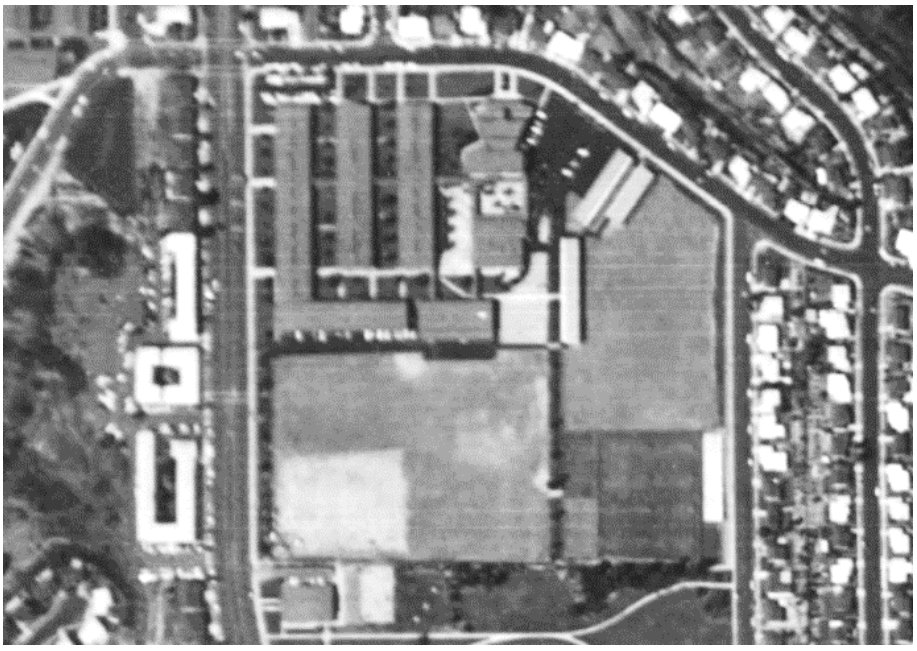
41 "Demol. & Altered Flr. Plans, Elevations: Marston Jr. High School Cafeteria Outservice & Kitchen Alteration," Architectural Department Board of Education San Diego Unified School District, 1979.



Marston Middle School IS NOE / 160537.14

SOURCE: University of California at Santa Barbara

Figure 14
Aerial Photograph of Project Area with Surrounding Neighborhood, 1962



Marston Middle School IS NOE / 160537.14

SOURCE: University of California at Santa Barbara

Figure 15
Detail of Aerial Photograph of Marston MS, 1962

In the fall of 1984, the school was reorganized from a junior high school and renamed "Marston Middle School." The District school board began to send all Clairemont area sixth-grade students to Marston MS, and also moved Marston's ninth-grade students to adjacent Clairemont High School, creating a four-year high school.[42]

In 1984, exterior student lockers were removed as part of a nation- and county-wide trend to reduce, "opportunities for students to steal or vandalize each other's possessions and removes a popular hiding place for forbidden items."[43] By 1986, 11 out of 18 District junior highs and middle schools had either removed or chained closed their student lockers.[44]

Through the 1980s, the Auditorium Building 400 continued to be used for public meetings and plan discussions; multi-cultural performances including shows put forth by groups representing the Indian, Jewish, Nicaraguan, and Native American communities; and Marston MS's own drama and chorus clubs in addition to other school-presented performances.[45] Through the 1990s, the city's youth orchestra performed, and the San Diego Economic Conversion Council held lectures and forums at the Marston MS auditorium.[46] In 2010, Auditorium Building 400 underwent ADA modifications both at the interior and at the exterior and surrounding property. Interior lower floor changes during this period included the removal and replacement of bathroom wall finishes and fixtures, the installation of new handrails, and the replacement of doors. At the exterior, materials, louvres, and openings remained with the replacement of a rear elevation handrail and installation of a new water fountain.[47]

General campus modifications related to the 1994 technology and modernization improvements included paving modifications, landscaping, plumbing updates, and the removal and replacement of water fountains and select fixtures. Painting included the underside of the roof overhangs, exterior walls, wood trim, and around windows and doors. Recently, a new intercom system was installed across the Marston MS campus in 2017.[48]

In 2001, plans were underway to relocate portables that once sat along the northeastern corner of the property to be grouped together between the two northeastern parking lots. Aerial photographs indicate that the portables in the northeast portion of the site were located or constructed to their present location between 1994 and 2002. In 2003, a library addition was

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42 Pamela Marino, "Parents Plan Action to Protest School Closing: Angry Group Wants to Remove Children from Voluntary Integration Program," *The Los Angeles Times*, May 5, 1984.

43 Christopher Reynolds," Campus lockers locked in fight against drugs," *San Diego Union*, September 18, 1986.

44 Scott LaFee, "Combination of factors spells end to lockers," Evening Tribune, September 25, 1986.

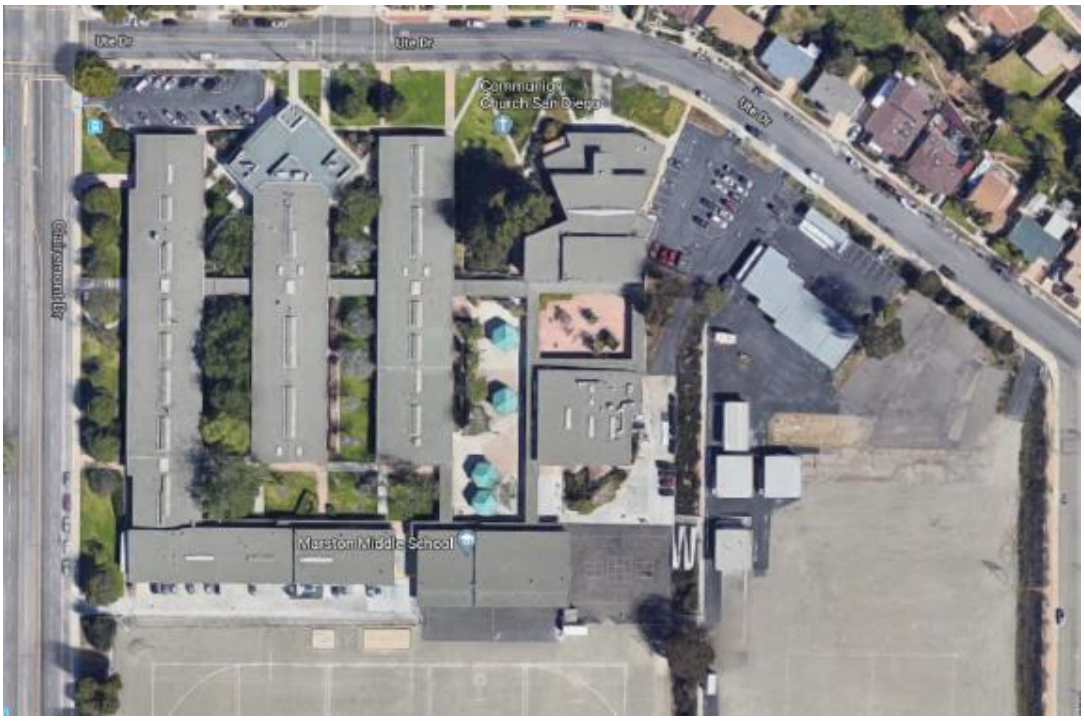
45 Pamela Marino, "Parents Plan Action to Protest School Closing: Angry Group Wants to Remove Children From Voluntary Integration Program," The Los Angeles Times, May 5, 1984.; Joe Huges, "Residents assail police response to narcotics activity in Clairemont," Evening Tribune, September 12, 1986.; "Upcoming Highlights," Evening Tribune, November 6, 1987.; "Datebook," Evening Tribune, May 29, 1986.; "Age gap doesn't apply to stardom," *San Diego Union*, December 20, 1985.; "Religion News…in brief," *San Diego Union*, April 15, 1989; "Weekend Almanac: Classical Music," *San Diego Union*, September 29, 1989; and "Almanac: Dance," *San Diego Union*, November 26, 1989.

46 Milrose B. Basco, "Multi-cultural job fair starts on Saturday," *San Diego Union*, October 8, 1990.

47 "Marston Middle School, Building D Auditorium ADA Upgrades," architectural drawings prepared by HMC Architects for Board of Education San Diego Unified School District, 2010.

48 "Contract PS-16-0412-02 Marston Middle School PA System Installation," architectural drawings prepared by Board of Education San Diego Unified School District, 2017.

constructed onto the northern extent of the Library and Classroom Building 200, where the original library once sat. This addition allowed for an expansion of the library space. Plans to relocate portables at the northeastern corner of the property were created in 2008. These plans depict the former Alternative Learning for Behavior and Attitude Community Day School, or A.L.B.A, an alternative high school to the District system for troubled youth, as located in the portables. The A.L.B.A. school was off of the Marston MS property and relocated elsewhere in San Diego by the early 2010s. The campus today includes two groupings of portables in the northeastern extent of the campus, each separated from the main Marston MS campus and one another by fencing (**Figure 16**).



Marston Middle School IS NOE / 160537.14

SOURCE: Google Maps

Figure 16
Detail of Aerial Photograph of Marston MS, 2019

Architect Herluf Brydegaard

San Diego and Chula Vista-based architect Herluf Brydegaard designed the Marston MS campus in 1954, during a productive period in his professional life. Brydegaard was born in Svendborg, Denmark in 1911 and trained at the University of Odense in Denmark and other European schools.[49] He completed his architectural studies after coming to the United States in 1940, moving to San Diego County in 1942.[50] Upon relocating, Brydegaard worked as a draftsman for notable San Diego architect, William Templeton Johnson in the early 1940s. He then worked as a

49 "Brydegaard Rites Today; Architect," *San Diego Union*, April 20, 1960.
50 "Ibid.

draftsman for Kistner & Curtis Architects, William P. Loge, and for master architect Samuel W. Hammill in the 1940s.[51] In 1947, Brydegaard opened his own practice, and joined the American Institute of Architects in 1949.[52]

Brydegaard's career appears to be nationally notable for his advancement of efficiency and economy in modern school design. It was during the 1950s while operating his own firm that he designed the Marston MS campus for the District in Clairemont. Other extant examples of Brydegaard's modernist work in the area include the contemporaneously-constructed Whittier Elementary School (1954), Clairemont High School (1960), and the Clairemont Branch Public Library (1958). The San Diego History Center's "Guide to the Architectural Records Collection" indicates that he designed many San Diego-area schools, including master plans and additions, during the post-war era. This included designs for the San Diego Unified School District, Carlsbad Union Elementary School District, and the Grossmont Union High School District.[53] Additional structures attributed to Brydegaard include the Donald Boyden Residence, the KFSD radio studios, and College Park Presbyterian Church.[54]

Although considered to be a lesser-known San Diego architect, Brydegaard's 1950s school designs were "nationally recognized for efficiency and economy, employing such unique construction as back-to-back classrooms, eliminating central corridors, a method he was credited in originating."[55] In 1959, his design for Marston MS was chosen as one of the five best school plans in the country. He passed away in 1960, and was survived by his widow, Dr. Marguerite Brydegaard, professor of education at San Diego State University.[56]

Mid-Century Modern Style (1945–1960) and Contemporary Style (1955–1965)

The terms Mid-Century Modern Style and Contemporary Style are used interchangeably in the period literature related to buildings of this era constructed in San Diego, and as a result will be referred to in this report as "Mid-Century Modern Style/Contemporary Style."

The Modern San Diego Public School Development historic context indicates that Mid-Century Modern style in San Diego was characterized by an emphasis on indoor-outdoor design, which was a result of an intermingling of the International Style with newer architectural trends. After World War II, new suburban subdivisions provided large sites for schools and architects would spread out many buildings across the site, with an emphasis on indoor-outdoor design.[57] Circulation was

51 Timothy Yates, "DPR 523 Series: Mark Twain Elementary School," ICF International for San Diego Unified School District, December 2017.

52 "Brydegaard Rites Today; Architect."

53 "Guide to the Architectural Records Collection," pp. 138-139.

54 "Brydegaard Rites Today; Architect."

55 Ibid., 111, and "Brydegaard Rites Today; Architect."

56 "Brydegaard Rites Today; Architect."

57 Yates, "Modern San Diego Public School Development," 10.

through open-air corridors covered by eave overhangs and sheltering canopies. Landscaping between buildings and along circulation paths became an important design element.[58]

The Contemporary Style was a later, mainstream evolution of the International Style, which drew off of world-wide architectural trends of the 1920s and 30s that were reflective for formative decades of Modernism prior to World War II. In San Diego, iterations of the International Style appeared later, with most examples constructed after 1935. Here, the style is characterized by the rejection of applied ornament, including low horizontal massing, horizontal bands of flush windows, and ribbons of steel frame windows.[59]

Further to this, the San Diego Modernism Historic Context Statement identifies the Contemporary style as, "Buildings in these areas exemplify the style with long horizontal massing, extensive use of glass windows to open the interior space as to the street, updated Moderne elements such as "eyebrow" overhangs, and minimal architectural details on the facade."[60]

Regulatory Framework

Historical resources fall within the jurisdiction of the federal, state, and local designation programs. Federal laws provide the framework for the identification, and in certain instances, protection of historical resources. Additionally, state and local jurisdictions play active roles in the identification, documentation, and protection of such resources within their communities. The National Historic Preservation Act (NHPA) of 1966, as amended and the California Public Resources Code (PRC), Section 5024.1, are the primary federal and state laws and regulations governing the evaluation and significance of historical resources of national, state, regional, and local importance. Descriptions of these relevant laws and regulations are presented below. Because the District is the lead agency, the local designation programs are not applicable and therefore Marston MS was not evaluated against the City's Historical Resources Register criteria.

Federal

National Historic Preservation Act of 1966

The principal federal law addressing historic properties is the National Historic Preservation Act (NHPA), as amended (54 United States Code of Laws [USC] 300101 et seq.), and its implementing regulations (36 CFR Part 800). Section 106 requires a federal agency with jurisdiction over a proposed federal action (referred to as an "undertaking" under the NHPA) to take into account the effects of the undertaking on historic properties, and to provide the Advisory Council on Historic Preservation (ACHP) an opportunity to comment on the undertaking.

The term "historic properties" refers to "any prehistoric or historic district, site, building, structure, or object included in, or eligible for inclusion in, the National Register" (36 CFR Part 800.16(*l*)(1)). The implementing regulations (36 CFR Part 800) describe the process for

58 Ibid., 11.

59 "Modern San Diego Public School Development,"58.

60 Ibid., 77.

identifying and evaluating historic properties, assessing the potential adverse effects of federal undertakings on historic properties, and seeking to develop measures to avoid, minimize, or mitigate adverse effects. The Section 106 process does not require the preservation of historic properties; instead, it is a procedural requirement mandating that federal agencies take into account effects to historic properties from an undertaking prior to approval.

The steps of the Section 106 process are accomplished through consultation with the State Historic Preservation Officer (SHPO), federally-recognized Indian tribes, local governments, and other interested parties. The goal of consultation is to identify potentially affected historic properties, assess effects to such properties, and seek ways to avoid, minimize, or mitigate any adverse effects on such properties. The agency also must provide an opportunity for public involvement (36 CFR 800.1(a)). Consultation with Indian tribes regarding issues related to Section 106 and other authorities (such as NEPA and Executive Order No. 13007) must recognize the government-to-government relationship between the Federal government and Indian tribes, as set forth in Executive Order 13175, 65 FR 87249 (Nov. 9, 2000), and Presidential Memorandum of Nov. 5, 2009.

National Register of Historic Places

The National Register was established by the NHPA of 1966, as "an authoritative guide to be used by federal, State, and local governments, private groups and citizens to identify the Nation's historic resources and to indicate what properties should be considered for protection from destruction or impairment" (36 CFR 60.2) (U.S. Department of the Interior, 2002). The National Register recognizes a broad range of cultural resources that are significant at the national, state, and local levels and can include districts, buildings, structures, objects, prehistoric archaeological sites, historic-period archaeological sites, traditional cultural properties, and cultural landscapes. As noted above, a resource that is listed in or eligible for listing in the National Register is considered "historic property" under Section 106 of the NHPA.

To be eligible for listing in the National Register, a property must be significant in American history, architecture, archaeology, engineering, or culture. Properties of potential significance must meet one or more of the following four established criteria:

A. Are associated with events that have made a significant contribution to the broad patterns of our history;

B. Are associated with the lives of persons significant in our past;

C. Embody the distinctive characteristics of a type, period, or method of construction or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction; or

D. Have yielded, or may be likely to yield, information important in prehistory or history.

In addition to meeting one or more of the criteria of significance, a property must have integrity. Integrity is defined as "the ability of a property to convey its significance" (U.S. Department of the Interior, 2002). The National Register recognizes seven qualities that, in various combinations, define integrity. The seven factors that define integrity are location, design, setting, materials, workmanship, feeling, and association. To retain historic integrity a property must

possess several, and usually most, of these seven aspects. Thus, the retention of the specific aspects of integrity is paramount for a property to convey its significance.

Ordinarily religious properties, moved properties, birthplaces or graves, cemeteries, reconstructed properties, commemorative properties, and properties that have achieved significance within the past 50 years are not considered eligible for the National Register unless they meet at least one of the four significance criteria listed above, one of the Criteria Considerations (A-G), in addition to meeting at least one of the and possessing integrity (U.S. Department of the Interior, 2002).

State

California Environmental Quality Act

CEQA is the principal statute governing environmental review of projects occurring in the state and is codified at Public Resources Code (PRC) Section 21000 et seq. CEQA requires lead agencies to determine if a proposed project would have a significant effect on the environment, including significant effects on historical or unique archaeological resources. Under CEQA (Section 21084.1), a project that may cause a substantial adverse change in the significance of an historical resource is a project that may have a significant effect on the environment.

The *CEQA Guidelines* (Title 14 California Code of Regulations [CCR] Section 15064.5) recognize that historical resources include: (1) a resource listed in, or determined to be eligible by the State Historical Resources Commission, for listing in the California Register of Historical Resources (California Register); (2) a resource included in a local register of historical resources, as defined in PRC Section 5020.1(k) or identified as significant in a historical resource survey meeting the requirements of PRC Section 5024.1(g); and (3) any object, building, structure, site, area, place, record, or manuscript that a lead agency determines to be historically significant or significant in the architectural, engineering, scientific, economic, agricultural, educational, social, political, military, or cultural annals of California by the lead agency, provided the lead agency's determination is supported by substantial evidence in light of the whole record. The fact that a resource does not meet the three criteria outlined above does not preclude the lead agency from determining that the resource may be an historical resource as defined in PRC Sections 5020.1(j) or 5024.1.

A significant effect under CEQA would occur if a project results in a substantial adverse change in the significance of a historical resource as defined in *CEQA Guidelines* Section 15064.5(a). Substantial adverse change is defined as "physical demolition, destruction, relocation, or alteration of the resource or its immediate surroundings such that the significance of a historical resource would be materially impaired" (*CEQA Guidelines* Section 15064.5(b)(1)). According to *CEQA Guidelines* Section 15064.5(b)(2), the significance of a historical resource is materially impaired when a project demolishes or materially alters in an adverse manner those physical characteristics that:

A. Convey its historical significance and that justify its inclusion in, or eligibility for, inclusion in the California Register; or

B. Account for its inclusion in a local register of historical resources pursuant to section 5020.1(k) of the Public Resources Code or its identification in a historical resources survey meeting the requirements of section 5024.1(g) of the Public Resources Code, unless the

public agency reviewing the effects of the project establishes by a preponderance of evidence that the resource is not historically or culturally significant; or

C. Convey its historical significance and that justify its eligibility for inclusion in the California Register as determined by a Lead Agency for purposes of CEQA.

In general, a project that complies with the Secretary of the Interior's Standards (Weeks and Grimer, 1995) is considered to have mitigated its impacts to historical resources to a less-than-significant level (*CEQA Guidelines* Section 15064.5(b)(3)).

California Register of Historical Resources

The California Register is "an authoritative listing and guide to be used by State and local agencies, private groups, and citizens in identifying the existing historical resources of the State and to indicate which resources deserve to be protected, to the extent prudent and feasible, from substantial adverse change" (PRC Section 5024.1[a]). The criteria for eligibility for the California Register are based upon National Register criteria (PRC Section 5024.1[b]). Certain resources are determined by the statute to be automatically included in the California Register, including California properties formally determined eligible for, or listed in, the National Register.

To be eligible for the California Register, a prehistoric or historic-period property must be significant at the local, state, and/or federal level under one or more of the following four criteria:

1. Is associated with events that have made a significant contribution to the broad patterns of California's history and cultural heritage;
2. Is associated with the lives of persons important in our past;
3. Embodies the distinctive characteristics of a type, period, region, or method of construction, or represents the work of an important creative individual, or possesses high artistic values; or
4. Has yielded, or may be likely to yield, information important in prehistory or history.

A resource eligible for the California Register must meet one of the criteria of significance described above, and retain enough of its historical character or appearance (integrity) to be recognizable as a historical resource and to convey the reason for its significance. It is possible that a historical resource may not retain sufficient integrity to meet the criteria for listing in the National Register, but it may still be eligible for listing in the California Register.

Additionally, the California Register consists of resources that are listed automatically and those that must be nominated through an application and public hearing process. The California Register automatically includes the following:

- California properties listed on the National Register and those formally determined eligible for the National Register;
- California Registered Historical Landmarks from No. 770 onward; and,
- Those California Points of Historical Interest that have been evaluated by the OHP and have been recommended to the State Historical Commission for inclusion on the California Register.

Other resources that may be nominated to the California Register include:

- Historical resources with a significance rating of Category 3 through 5 (those properties identified as eligible for listing in the National Register, the California Register, and/or a local jurisdiction register);
- Individual historical resources;
- Historical resources contributing to historic districts; and,
- Historical resources designated or listed as local landmarks, or designated under any local ordinance, such as an historical preservation overlay zone.

Archival Research

South Central Coastal Information Center Records Search

A cultural resources records search was conducted at the South Coastal Information Center (SCIC) at San Diego State University on September 9, 2019. The records search included the Marston MS campus and a 0.5-mile radius. The SCIC houses the pertinent archaeological and historic site and survey information necessary to determine whether cultural resources are known to exist within the project area. The records search included a review of all recorded historic built environment sites and the California Historical Resources Information System (CHRIS), which includes the National Register, the California Register, California Historical Landmarks, California Points of Historical Interest, and various local historical registers. ESA also reviewed the City of San Diego's inventory of historic properties (San Diego Register of Designated Historical Resources).

The results of the records search indicate that one structure determined to be ineligible as a historic resource appears to be within a half-mile radius of Marston MS. This information is included in **Appendix C**. Based on a pedestrian survey, there are no identified historic built environment resources located within the vicinity of the campus or have either direct or indirect views of Marston MS.

Previous Evaluations of Marston Middle School

Marston MS has not been previously evaluated. The property it is not listed in the State of California Historical Resources Inventory (HRI) for the City of San Diego. The property is not listed in the National or California Registers, or locally designated as a San Diego Historical Resource. The campus does not appear to be situated in a designated historic district.

Additional Research

Additional site-specific research was conducted on Marston MS utilizing the following sources: Architectural plans, aerial photographs, historical photographs and articles from the San Diego History Center, historical *San Diego Union*, *San Diego Tribune*, and *Evening Tribune* newspapers at the University of California San Diego Geisel Library, San Diego Central Library, San Diego County Assessor website, and other published sources.

Historic maps and aerial photographs were examined to provide historical information about Marston MS and land development surrounding the campus. Historic aerial photographs taken in 1952, 1954, and 1962 were examined, as was the Sanborn Maps from 1956, the only such map created for the area.

Original architectural drawings obtained from the District provide a construction history of Marston MS from 1954 to 2018 and were essential in preparing the construction history context for the campus. A summary of the early architectural drawings on file at the District is compiled in Table 1 below. There were no building permits available for the campus. The earliest plan on file dates to 1954, for the design of the eight extant structure that comprised the original campus plan.

TABLE 1
MARSTON MIDDLE SCHOOL ARCHITECTURAL DRAWINGS

Date	Architect/Engineer	Description
3/18/1954	Herluf Brydegaard	Site plan, and individual plans for Building
7/19/1971	Architectural Department Board of Education, District	Portable moving plans, described the relocation of three portable buildings, one from each of the following nearby schools: Crown Point Elementary, Cadman Elementary, and Riley Elementary
3/15/1979	Architectural Department Board of Education, District	Demolition and reconfiguration of out-service room, adjacent to kitchen in Cafeteria
4/29/1994	Robbins Combs Jorgensen Christopher	Marston Middle School Technology and Modernization project included interior and exterior upgrades and code compliance modifications
7/21/1997	EHM Architects	New portable classroom with ramp added in the eastern portion of the campus
11/1/2001	Facilities Development Department Office of the School District Architect, Board of Education, District	Portable relocation move plans include the relocation of several portables to be grouped together and located between two parking lots
2007	Architectural Program Maintenance and Operations Center, District	Three new portables to be located in the eastern portion of the campus
4/7/2010	HMC Architects	Auditorium Building 400 ADA upgrades, removed finishes at bathroom walls, removed and replace fixtures, new handrails, doors at lower floor replaced. At the exterior, materials, louvres, and openings remained with handrail at rear elevation replaced and new water fountain installed.
12/18/2012	Architectural Program Facilities Planning and Construction, District	A.L.B.A Middle and Special Ed. component of Marston MS identified on space utilization plan
6/16/2017	BSE Engineering, Inc.	Install new intercom/public address system throughout campus
4/20/2018	Architectural Program Facilities Planning and Construction, District	Three new portables to be located in the eastern portion of the campus [plans appear to be the same as the 2007 plans]

Architectural Resources Survey

A historic architectural resources survey of the Marston MS was conducted by architectural historian Alison Garcia Kellar, M.S., on September 3, 2019. Detailed notes and digital photographs were taken utilizing the survey methodology of the State Office of Historic Preservation (OHP). Marston MS was documented on California Department of Parks and Recreation (DPR) 523 series forms (**Appendix B**).

Description of Surveyed Resources

Site

The Marston MS campus is comprised of eight wood frame and stucco structures, arranged in a quadrangle with *brise-soleils* (**Figure 3**). The campus also includes four portable structures dedicated to Marston MS use, and six portable structures that serve temporary District purposes.

Concrete pathways lead from the sidewalks along Clairemont Drive and Ute Drive and onto the campus through chain-linked fences with gates that line the majority of the building area, with the exception of the Auditorium Building 400. The topography undulates and is higher in certain locations throughout the site, most notably toward the southeastern extent of the property (**Figure 17**). Several of the walkways throughout the campus include sloped covered concrete paths with metal handrails. Landscaping includes open swaths of manicured grass straddled between walkways and structures at the north and northwest, and also interspersed between buildings (**Figure 18**). Mature trees line the buffer between Clairemont Drive and the campus, and are also located along the large swaths of grass and toward the Auditorium Building 400. Red brick planters extend from brick walls at both the Administration Building 100 and the Auditorium Building 400. Red concrete pavement pads surround the Cafeteria and the southern portion of the Auditorium Building 400, which includes metal pagoda pavilions and lunch tables.

A small paved recreational court sits to the east of the Locker and Fitness Building 600. A large paved recreational court site immediately to the south of the campus, which is accessible through a separated gated chain linked fence. Additional paved courts sit in the southeast of the site and are accessible via a set of concrete steps and a corresponding concrete ramp. This access also leads to the four portable buildings that are situated at a higher elevation than the remainder of the campus.

Parking is located at the northwestern extent of the property, accessible by both Clairemont Drive at Ute Drive. Parking is also available along Ute Drive to the east of the Auditorium Building 400. Additional parking is located in the southwestern extent of the campus, to the south of Classroom and Shop Building 100b, accessible from Clairemont Drive.



Marston Middle School IS NOE / 160537.14

SOURCE: ESA, 2019

Figure 17
Girl's and Boy's Restroom Portable with Access Ramp and Staircase in Eastern Extent of Marston MS Campus



Marston Middle School IS NOE / 160537.14

SOURCE: ESA, 2019

Figure 18
Girl's and Boy's Restroom Portable with Access Ramp and Staircase in Eastern Extent of Marston MS Campus

Administration Building 100

The Administration Building 100 is located in the northwestern portion of the Marston MS site. The elongated rectangular structure that sits in the northwestern corner of the property (**Figure 19**). The building is articulated in a Mid-Century Modern Style/Contemporary Style. The gently gabled roof includes generous overhanging eaves with closed soffits. The building has a parking lot to the north, and includes brick veneer detailing and an L-shaped brick planter. The west elevation includes the main entrance to the building, which includes a single door among a window wall with fixed window assemblies interspersed by brick detailing. Metal lettering reading "George W. Marston Middle School," are affixed to the brick detailing along the western elevation. The north elevation is asymmetrically organized with the continuous arrangement of fixed windows, interspersed by brick detailing (**Figure 20**). A single solid metal door provides access here. Metal shades oriented horizontally line the east and west elevations (**Figures 21 and 22**). A *brise-soleils* spans between the Administration Building 100 and the Classroom Building 100a (**Figure 23**). From this covered walkway area extends a stepped walkway from the sidewalk. There is also a curved pathway leads from the sidewalk and to the covered walkway at this location.



Marston Middle School IS NOE / 160537.14

SOURCE: ESA, 2019

Figure 19
Marston MS Administration Building 100 North (left) and West (right) Elevations, Looking Southeast from Parking Lot along Ute Drive



Marston Middle School IS NOE / 160537.14

SOURCE: ESA, 2019

Figure 20
Administration Building 100 North Elevation Looking South



Marston Middle School IS NOE / 160537.14

SOURCE: ESA, 2019

Figure 21
Administration Building 100 West Elevation Looking North



Marston Middle School IS NOE / 160537.14

SOURCE: ESA, 2019

Figure 22
Administration Building 100 Covered Walkway (left) and East Portion of East Elevation with Classrooms (right) Looking Northwest

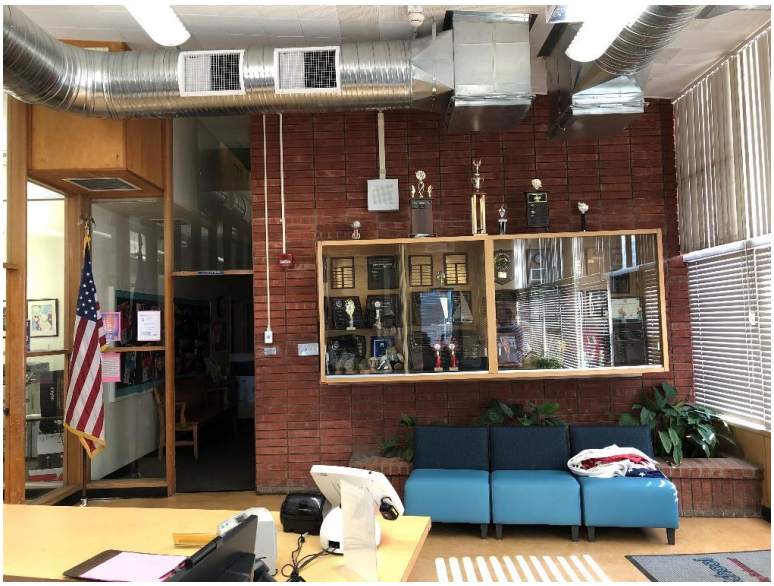


Marston Middle School IS NOE / 160537.14

SOURCE: ESA, 2019

Figure 23
Administration Building 100 at Right, with Breezeway and Classroom Building 100a at Left

At the interior, the northern portion of the Administration Building 100 includes the principal and vice principal's offices, counselors' rooms, and other administrative support spaces (**Figure 24**). Original finishes and detailing include wood and glass partitions, wall paneling, and a built-in display case (**Figures 25 and 26**). A portion of the exterior brick wall extends into the administrative offices, and also includes a brick planter.



Marston Middle School IS NOE / 160537.14

SOURCE: ESA, 2019

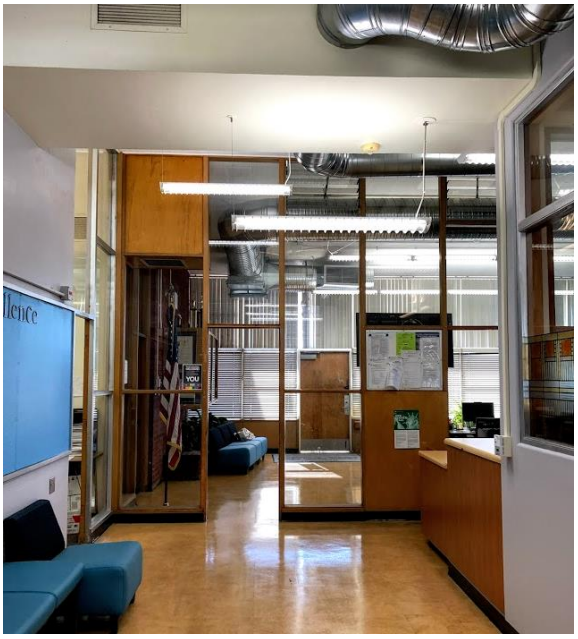
Figure 24
Interior of Administration Building 100 with Original Brick Wall and Wood Millwork



Marston Middle School IS NOE / 160537.14

SOURCE: ESA, 2019

Figure 25
Interior of Administration Building 100 with Interior Wood and Glass Partition Wall



Marston Middle School IS NOE / 160537.14

SOURCE: ESA, 2019

Figure 26
Interior of Administration Building 100 with Interior Wood and Glass Partition Wall

Classroom Building 100a

Classroom Building 100a is located along Clairemont Drive, and sits south of Administration Building 100. The one-story elongated rectangular building that includes six (6) back-to-back classrooms that open onto a covered *brise-soleil* at the east and west with regularly spaced metal supports (**Figure 27**). The building is articulated in a Mid-Century Modern Style/Contemporary Style. The stucco wood frame building has a gently sloping gabled roof, with skylights along the peak of the roof, illuminating the classrooms below. The Administration Building 100 to the north and Classroom and Shop Building 100b to the south are connected by a covered walkway (**Figures 28 and 29**). At the west elevation, metal frame windows along the classrooms are interspersed by horizontal metal louvres. Single flush metal doors allow access to each classroom. Fixed metal louvers extend down from the covered walkway along both east and west elevations. Corresponding with the grade, the concrete walkway slopes up toward the north of Classroom Building 100a.



Marston Middle School IS NOE / 160537.14

SOURCE: ESA, 2019

Figure 27
Classroom Building 100a West Elevation Looking Northeast



Marston Middle School IS NOE / 160537.14

SOURCE: ESA, 2019

Figure 28
Classroom Building 100a East Elevation Looking Northwest



Marston Middle School IS NOE / 160537.14

SOURCE: ESA, 2019

Figure 29
Classroom Building 100a East Elevation Looking North along Covered Walkway

Classroom and Shop Building 100b

Classroom and Shop Building 100b is located in the southwestern portion of the Marston MS site. The one-story L-shaped building includes four lab classrooms with north-south access, and four classrooms; three of which are accessed from the central portion of the L-corner, and the last of which is accessible from the west (**Figures 30 and 31)**. A covered walkway surrounds a portion of the building, connecting it to the campus walkways (**Figures 32 and 33**). The building is articulated in a Mid-Century Modern Style/Contemporary Style. The stucco wood frame building has a gently sloping gabled roof at the northernmost portion of the L-shape, while the remaining portion of the building has a shed roof. The portion with a shed roof includes metal framed clerestory windows. At the west elevation, fixed metal louvers extend down from the covered walkway (**Figures 34 and 35**). The fenestration at this elevation includes additional metal louvers, with metal frame windows above (**Figure 36**).

At the interior, wood and glass partitions separate the shop space from the teacher work space (**Figure 37**). Skylights punctuate the ceiling. Flooring includes composition tile with a dropped acoustical ceiling.



Marston Middle School IS NOE / 160537.14

SOURCE: ESA, 2019

Figure 30
North Elevation of Classroom and Shop Building 100b Looking Southeast



Marston Middle School IS NOE / 160537.14

SOURCE: ESA, 2019

Figure 31
North Elevation of Classroom and Shop Building 100b Looking Southeast



Marston Middle School IS NOE / 160537.14

SOURCE: ESA, 2019

Figure 32
North Elevation of Classroom and Shop Building 100b at Left and East Elevation Beyond



Marston Middle School IS NOE / 160537.14

SOURCE: ESA, 2019

Figure 33
North Elevation of Classroom and Shop Building 100b Looking South



Marston Middle School IS NOE / 160537.14

SOURCE: ESA, 2019

Figure 34
West Elevation of Classroom and Shop Building 100b Looking Southeast



Marston Middle School IS NOE / 160537.14

SOURCE: ESA, 2019

Figure 35
West Elevation of Classroom and Shop Building 100a Looking North



Marston Middle School IS NOE / 160537.14

SOURCE: ESA, 2019

Figure 36
West Elevation (left) and South Elevation (right) of Classroom and Shop Building 100a
Looking Northeast



Marston Middle School IS NOE / 160537.14

SOURCE: ESA, 2019

Figure 37
Interior of Shop Room in Classroom and Shop Building 100a

Library and Classroom Building 200

Library and Classroom Building 200 is a one story building that is irregular in plan with two walls that meet at a point along Ute Drive (**Figure 38**). The north portion of this building is a 2003 contemporary addition to the original library and classroom structure and has a flat roof

(**Figure 39**). Two flat downward sloping overhangs flank either side of this addition, and wrap around the southern portion of the volume (**Figure 40**). At the northernmost corner of this portion of the building, the corner is glazed with fixed metal windows, and large tilework at a projecting cubicle volume. Flanking flat awnings project south from this projecting volume. The remaining exterior walls are clad in stucco. Contemporary single-lite doors with metal surrounds and transoms offer access from both within Marston MS campus and to the public along Ute Drive. The classrooms at the Library and Classroom Building 200 are part of the original campus design, and include four back-to-back rooms; one used for custodian supplies, another as a book room, with two classrooms at the southern end.



Marston Middle School IS NOE / 160537.14

SOURCE: ESA, 2019

Figure 38
Library and Classroom Building 200 Northeast and Northwest Elevations, Looking South



Marston Middle School IS NOE / 160537.14

SOURCE: ESA, 2019

Figure 39
Library and Classroom Building 200 West Elevation, Facing East



Marston Middle School IS NOE / 160537.14

SOURCE: ESA, 2019

Figure 40
Library and Classroom Building 200 West Elevation, Facing North

The southern portion of the building is rectangular in plan and bisected by a covered walkway, which has a gently gabled roof with skylights. This portion includes the original structure as constructed in 1954 (**Figure 41**). The southern portion of the building is articulated in a Mid-Century Modern Style/Contemporary Style, and is a wood frame building with stucco. Beyond the covered walkway, a series of eight (8) classrooms sit back-to-back accessible at the east and west elevations respectively. A work room and staffroom sits at the northern extent of this portion of the building, with back-to-back girl's and boy's restrooms sit at the southern extent.

At the interior, the library volume addition includes contemporary finishes and a double-heighted ceiling. The flooring is comprised of rolled carpeting and acoustical tiles are suspended from the ceiling (**Figure 42**). The original classrooms in the Library and Classroom Building 200 include composition tile flooring, low built-in wood millwork, suspended acoustical tiles, and skylights, many of which have been covered up (**Figure 43**). Several of these classrooms include contemporaneously installed air conditioning units and corresponding duct work (**Figure 44**).



Marston Middle School IS NOE / 160537.14

SOURCE: ESA, 2019

Figure 41
Original Portion of Library and Classroom Building 200 East Elevation Facing North toward 2003 Library Addition



Marston Middle School IS NOE / 160537.14

SOURCE: ESA, 2019

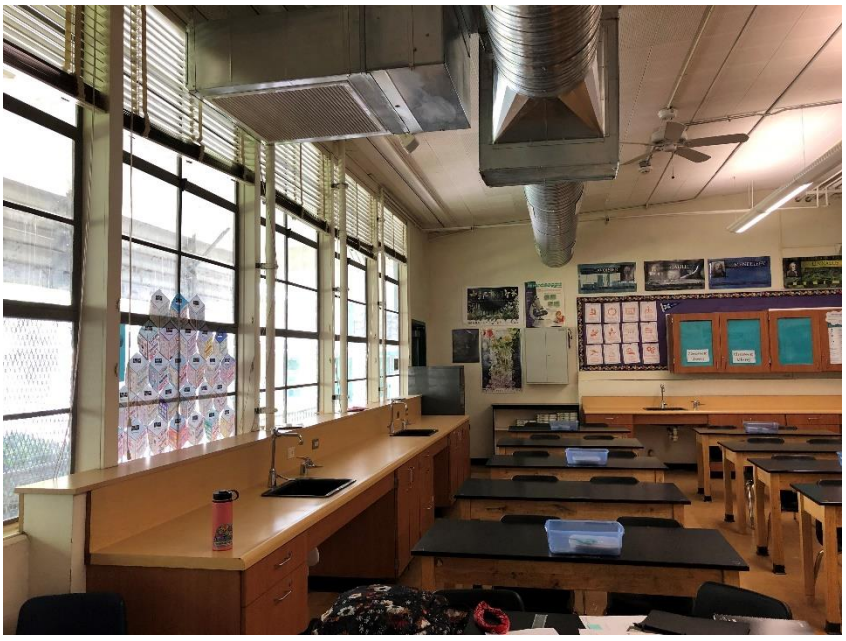
Figure 42
Interior of Library and Classroom Building 200, Facing North



Marston Middle School IS NOE / 160537.14

SOURCE: ESA, 2019

Figure 43
Representative Classroom inside Library and Classroom Building 200



Marston Middle School IS NOE / 160537.14

SOURCE: ESA, 2019

Figure 44
Representative Classroom inside Library and Classroom Building 200

Classroom Building 300

Classroom Building 300 located to the east of Library and Classroom Building 200, and has Ute Drive to the north. The building is reflective of Classroom Building 100a and of the southern portion of Library and Classroom Building 200 (**Figures 45 through 48**). The building is a one-story elongated rectangular building that includes eight back-to-back classrooms and back-to-back girl's and boy's restrooms in the northern volume, and ten back-to-back classrooms in the second, southern volume. The volumes are separated by a *brise-soleil* with regularly spaced metal supports, which continue around the building at the east and west elevation. Fixed metal louvers extend down from the covered walkway. The building is articulated in a Mid-Century Modern Style/Contemporary Style. The building is wood framed with stucco and has a gently sloping gabled roof, with overhanging eaves, skylights along the peak of the roof, illuminating the classrooms below. Single flush metal doors offer access to the east and western classrooms and restrooms. The glazing includes metal multi-lite fenestration with additional fixed louvres flush with the elevation.



Marston Middle School IS NOE / 160537.14

SOURCE: ESA, 2019

Figure 45
Classroom Building 200 (left) and Classroom Building 300 (right) Looking North through Landscaped Area



Marston Middle School IS NOE / 160537.14

SOURCE: ESA, 2019

Figure 46
Classroom Building 300 North Elevation Looking South



Marston Middle School IS NOE / 160537.14

SOURCE: ESA, 2019

Figure 47
Classroom Building 300 West Elevation Looking East



Marston Middle School IS NOE / 160537.14

SOURCE: ESA, 2019

Figure 48
Classroom Building 300 West (left) and South (right) Elevations Looking Northeast

Auditorium Building 400

Auditorium Building 400 is situated in the northeast portion of the Marston MS site. Accessible to the public, the majority of the building is not located behind a chain-link fence, as the other structures on the campus are. The building is articulated in a Mid-Century Modern Style/Contemporary Style (**Figure 49**). Constructed into a hill, the structure is two-stories in height with a partial basement. The auditorium's facade includes concrete steps that lead to a recessed entryway with a flay overhang. Multi-lite metal frame windows comprise the clerestory, which surmounts a brick wall with two pairs of punctuating double doors (**Figure 50**). These doors lead to the lobby and auditorium. The brick wall continues along a portion of the facade, while brick planters frame the concrete steps and adjacent concrete ramp with metal handrails. A metal ventilation grille and recessed second-story volumes step back from the facade, capped with shed roofs. At the east elevation, the volumes and shed roofs are more noticeable (**Figures 51 and 52**). A smaller one-story projection with fixed metal windows and flush metal doors abuts the parking lot. The south and west elevations fall within the Marston MS-gated campus. The rear, south elevation includes direct access into the partial basement, which houses the band room and instrument storage (**Figures 53 through 58**). A covered walkway abuts this elevation, which includes multi-lite metal framed windows along the walkway. The upper portion of the south elevation is windowless due to the theatre at the interior (**Figure 54**). The west elevation features some decorative brick, and additional single flush doors for access.

The auditorium includes carpeted flooring, stucco walls, and a sloped flooring with rows of auditorium seating (**Figures 55 through 58**). The wood stage projects slightly forward and includes two flanking pillars that each have strips of vertically oriented wood.



Marston Middle School IS NOE / 160537.14

SOURCE: ESA, 2019

Figure 49
Auditorium Building 400 North Facade Looking Southwest



Marston Middle School IS NOE / 160537.14

SOURCE: ESA, 2019

Figure 50
Auditorium Building 400 North Facade Looking South



Marston Middle School IS NOE / 160537.14

SOURCE: ESA, 2019

Figure 51
Auditorium Building 400 East Elevation Looking Southwest



Marston Middle School IS NOE / 160537.14

SOURCE: ESA, 2019

Figure 52
Auditorium Building 400 East Elevation Looking West



Marston Middle School IS NOE / 160537.14

SOURCE: ESA, 2019

Figure 53
Auditorium Building 400 West Elevation Looking Southeast



Marston Middle School IS NOE / 160537.14

SOURCE: ESA, 2019

Figure 54
Auditorium Building 400 South Elevation Looking Northeast



Marston Middle School IS NOE / 160537.14

SOURCE: ESA, 2019

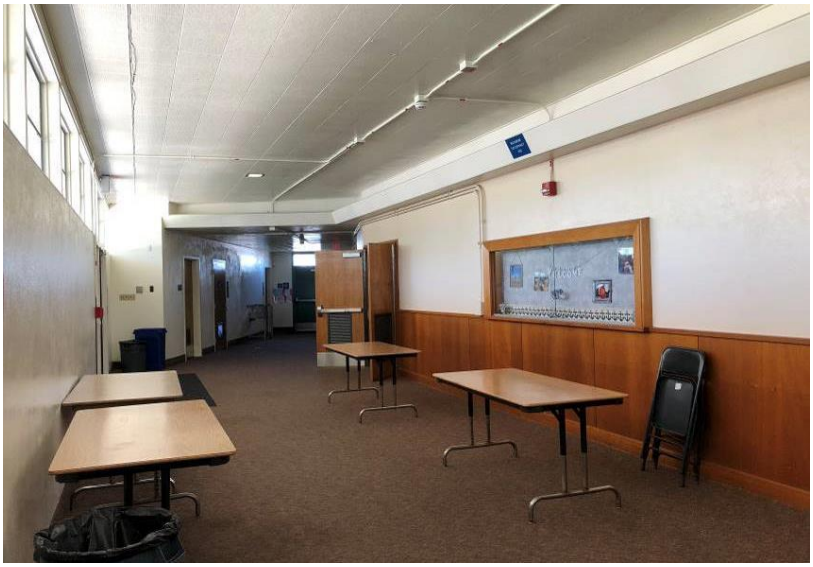
Figure 55
Interior of Auditorium Building 400 with House and Stage



Marston Middle School IS NOE / 160537.14

SOURCE: ESA, 2019

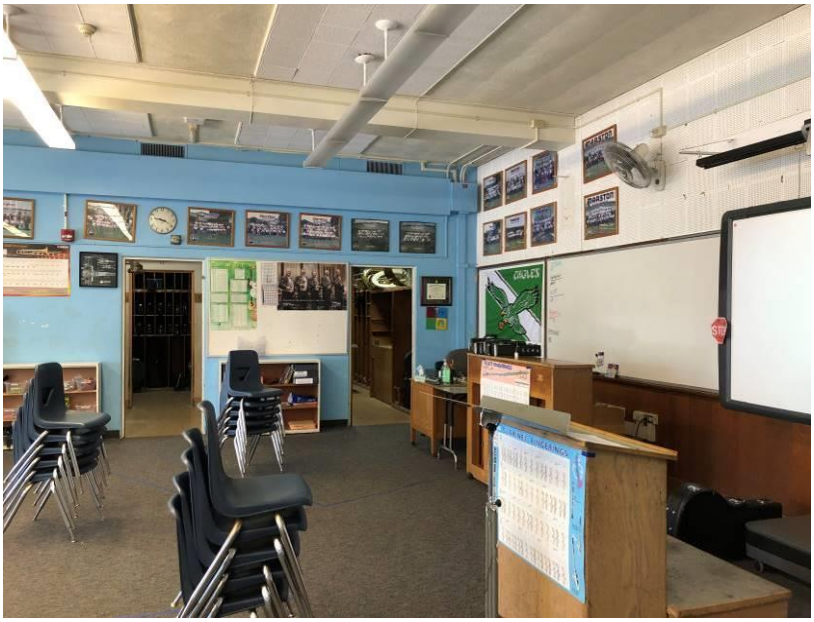
Figure 56
Interior of Auditorium Building 400 Wood Stage



Marston Middle School IS NOE / 160537.14

SOURCE: ESA, 2019

Figure 57
Interior of Auditorium Building 400 Lobby Entrance



Marston Middle School IS NOE / 160537.14

SOURCE: ESA, 2019

Figure 58
Interior of Auditorium Building Band Room

Cafeteria

The Cafeteria building is a one-story structure that is rectangular in plan. The building is articulated in a Mid-Century Modern Style/Contemporary Style. The western facade includes a

floor-to-ceiling window assembly comprised of both fixed and hinged metal windows, from which a flat projecting awning projects and turns to the north (**Figure 59**). The glazing at the west facade is flanked by two pairs of single-lite metal doors. There are four individual lunch windows each with a pair of wood shutters at the north elevation (**Figure 60**). These openings at the north elevation were a 1979 modification. Each opening is framed with tile and includes metal hand rails. The shed roof slopes east, with service doors and fixed metal louvres surmounting the windows at the east and south elevations (**Figures 61 and 62**). At the interior, the dining room comprised the majority of the open volume space (**Figures 63 and 64**). The kitchen and serving areas are located to the east of the building. The ceiling is dropped with composition tile flooring.



Marston Middle School IS NOE / 160537.14

SOURCE: ESA, 2019

Figure 59
West Facade of Cafeteria Looking Southeast



Marston Middle School IS NOE / 160537.14

SOURCE: ESA, 2019

Figure 60
North Elevation of Cafeteria Looking Southwest



Marston Middle School IS NOE / 160537.14

SOURCE: ESA, 2019

Figure 61
South Elevation of Cafeteria Looking North



Marston Middle School IS NOE / 160537.14

SOURCE: ESA, 2019

Figure 62
East Elevation of Cafeteria Looking Northwest



Marston Middle School IS NOE / 160537.14

SOURCE: ESA, 2019

Figure 63
Interior of Cafeteria Glazing Looking Southwest



Marston Middle School IS NOE / 160537.14

SOURCE: ESA, 2019

Figure 64
Interior of Cafeteria with Skylight above, Looking South

Locker and Fitness Building 600

The Locker and Fitness Building 600 is a one-story, double-height wood frame and stucco structure that is rectangular in plan. The building is articulated in a Mid-Century Modern Style/Contemporary Style. The north elevation includes several entrances to the fitness center, girl's restroom, and boy's restroom respectively (**Figure 65**). At the north and east elevations of the double-height volume, clerestory windows are located above a flat projecting awning that connects to the campus' covered walkways (**Figure 66**). The windows are metal frame multi-lite sash assemblies. A one-story projection extends from the southern portion of the structure. The building has flat, overhanging roofs, both at the double-height volume and the one-story volume (**Figure 67**).

Flat metal double doors lead from the north elevation into the fitness center. The fitness center has a rolled carpet floor and a dropped acoustical ceiling, and metal paneling along the walls **(Figure 68)**. Single flat metal doors lead to the girl's and boy's restrooms, which have terrazzo flooring, and terrazzo shower basins and stalls (**Figure 69**). Metal lockers sit grouped toward the center of the space, while office and storage spaces line the southern perimeter of the double-heighted spaces (**Figure 70**).



Marston Middle School IS NOE / 160537.14

SOURCE: ESA, 2019

Figure 65
Locker and Fitness Building 600 North Elevation Looking South



Marston Middle School IS NOE / 160537.14

SOURCE: ESA, 2019

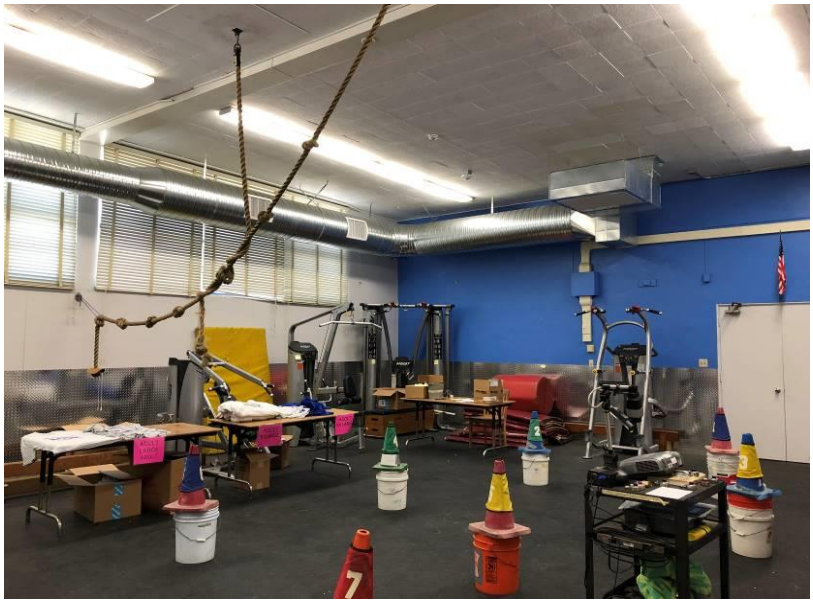
Figure 66
North (left) and West (right) Elevations of Locker and Fitness Building 600 Looking Southeast



Marston Middle School IS NOE / 160537.14

SOURCE: ESA, 2019

Figure 67
East Elevation of Locker and Fitness Building 600 Looking Northwest



Marston Middle School IS NOE / 160537.14

SOURCE: ESA, 2019

Figure 68
Interior of Fitness Center at Locker and Fitness Building 600



Marston Middle School IS NOE / 160537.14

SOURCE: ESA, 2019

Figure 69
Interior of Shower Stalls at Girl's Locker Room in the Locker and Fitness Building 600



Marston Middle School IS NOE / 160537.14

SOURCE: ESA, 2019

Figure 70
Interior of Girl's Locker Room at Locker and Fitness Building 600

Portables

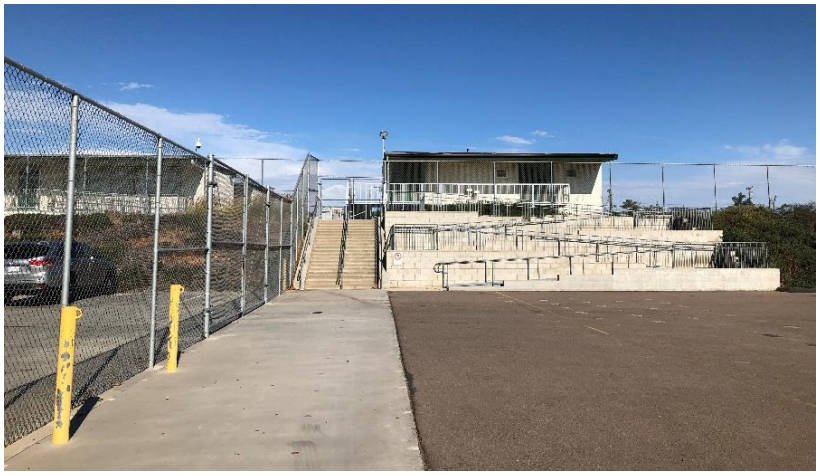
There are two groupings of portables at the property. A grouping of three portable classrooms and a boy's and girl's restroom portable sits to the east, elevated above between the Cafeteria and the Fitness and Locker Building 600. The portables are wood framed and rectangular in footprint with overhanging roofs, and access ramps (**Figures 71 and 72**). The second grouping of portables are contemporary portables arranged side-by-side to one another, extending south from the northeastern parking lot sit behind a metal chain-link fence and gate (**Figure 73**). It appears that these portables are used for the Special Education Administration satellite support program.



Marston Middle School IS NOE / 160537.14

SOURCE: ESA, 2019

Figure 71
Classroom Portables in Eastern Extent of Marston MS Campus



Marston Middle School IS NOE / 160537.14

SOURCE: ESA, 2019

Figure 72
Girl's and Boy's Restroom Portable with Access Ramp and Staircase in Eastern Extent of Marston MS Campus



Marston Middle School IS NOE / 160537.14

SOURCE: ESA, 2019

Figure 73
Representative Portables Used for the Special Education Administration Satellite Support Program at Northeastern Portion of Marston MS Campus

Eligibility Assessment

In order to qualify for eligibility, Marston MS must possess significance under one or more of the applicable National Register and California Register criteria and retain sufficient integrity to convey its historical significance.

Significance Evaluation

ESA evaluated Marston MS for potential eligibility for listing in the National Register and California Register both as an individual resource and as a historic district. Marston MS was evaluated against the following historical and architectural themes: The Development of Clairemont the San Diego Unified School District, and Marston MS; and Mid-Century Modern Style/Contemporary Style; and the associated architect, Herluf Brydegaard.

Individual Eligibility

The buildings were designed and constructed as a group entity. As part of a larger master plan, the campus was planned to include a deliberate indoor/outdoor relationship between the buildings and the landscape, which is an important component of the design. The buildings, site plan, landscape and spatial relationships found here are integrated with one another and function as a unified entity. Individually, the Administration Building 100, Classroom Building 100a, Classroom and Shop Building 100b, Classroom Building 300, Cafeteria, and the Locker and Fitness Building 600 lack individual distinction to be listed on the National Register of Historic Places or the California Register of Historical Resources as individually eligible resources under for either their historic or architectural significance. But taken together, these resources represent a distinguishable entity that is Marston MS, a potential historic district. The exception to this is

Auditorium Building 400, which possess sufficient individual historic and architectural distinction to be listed on the National Register of Historic Places at the state and local levels of significance and on the California Register of Historical Resources as an individual resource, as discussed below.

Auditorium Building 400

Criterion A/1: Patterns or Events

Constructed in 1955, the Auditorium Building 400 was designed as part of the master plan for the new George W. Marston Junior High School, in the developing neighborhood of Clairemont. Immediately upon its opening, the building began to serve enrolled students as part of the curriculum, in addition to the local community. Newspaper articles spanning from the 1950s through to the 2000s indicate that the Auditorium Building 400 has been used continuously by Marston students for plays, musical performances, and fashion shows. The school's own drama, band, orchestra, and chorus clubs, in addition to other school-presented performances have utilized the stage and house. Further, since its inception the auditorium has been used by the local Clairemont and broader San Diego community for performances by local groups and for community meetings and church services on the weekends. This has included public meetings and planning discussions, political forums, and multi-cultural performances. The City of San Diego's youth orchestra has performed here and the San Diego Economic Conversion Council has hosted lectures and forums.

In this, the Auditorium Building 400 has been utilized by both the school and the community at large since its inception, and continues to be used as such. The building holds an additional significance by serving the community as a venue for a variety of needs over the years. The Auditorium Building 400 is recommended as eligible for listing as an individual resource on the California Register of Historical Resources under Criteria 1 for its significance as a District school building that has functioned to serve the neighborhood and the city as a performance and meeting venue for over sixty years, and as such is associated with events that have made a significant contribution to the broad patterns of regional history. The property does not rise to a level of significance that would deem it eligible for listing on the National Register of Historic Places under Criteria A, as it does not contribute to larger, nationwide patterns of development or association.

Criterion B/2: Significant Persons

Research conducted on important performers, groups, or organizations did not yield significant persons associated with Auditorium Building for performance at the building. Marston MS is not identified with the productive life of significant individual District teachers, principals, administrators, students, or any other important identified persons that would warrant this building as individually eligible for association. As such, Marston MS's Auditorium Building 400 does not appear to satisfy National Register Criterion B or California Register Criterion 2 for eligibility related to significant persons at the national, state, or local level.

Criterion C/3: Design/Construction

The Auditorium Building 400 is a multi-purpose performance venue constructed in the post-WWII era. The building retains high integrity and features character-defining features that are emblematic of the Mid-Century Modern Style/Contemporary Style, as expressed at the campus. The Auditorium Building 400 is oriented directly facing the street and appears to be visually prominent amongst the other potential Marston MS historic district contributing structures. The building is architecturally distinctive within the historic district and a strong example of modern auditorium design. The Mid-Century Modern Style/Contemporary Style character-defining features present at the building include:

- Lack of applied ornament
- Flat roofs and shed roofs
- Horizontal bands of flush windows
- Low-pitched rooflines
- Mixed material exteriors of stucco and brick
- Brick planters
- Wood stage and flanking pillars with strips of vertically-oriented wood.

The building today remains largely intact as it has since its construction in 1955. This includes an interior lobby, sloped house leading to a wood stage, and several support spaces at the lower floor, which include a band classroom, instrument storage, and dressing rooms. Auditorium Building 400 has undergone minor modifications over time, including ADA upgrades in 2010 that included minor interior and exterior changes, however, these changes are considered minor and do not detract from its integrity as a historical resource. Bathroom wall finishes and fixtures were replaced, and new handrails and doors were installed. At the exterior, all important character-defining features were retained and preserved and were unaffected by these modifications. As such, the Auditorium Building 400 is recommended eligible as an individual resource on the National Register of Historic Places at the state and local levels of significance under Criterion C, and the California Register of Historical Resources under Criterion 3 for its significance as a representative example of a Mid-Century Modern Style/Contemporary Style auditorium building.

Criterion D/4: Data Potential

The Auditorium Building 400 is not likely to yield any information important to prehistory or history as the site was constructed in a previously un-developed area. The SCIC search did not yield that there were previous archeological discoveries at this location. Therefore, the Auditorium Building 400 does not meet the above criterion for Criterion D/4.

Marston MS Historic District

Criterion A/1: Patterns or Events

Marston MS was constructed as San Diego's Clairemont neighborhood developed in the post-WWII era. In 1950, real estate developers Burgener and Tavares began the process of acquiring land on Morena Mesa, adjacent to Mission Bay in San Diego. At the time, the land was used for cattle grazing. Major improvements to the undeveloped mesa-top land took place in order for the area to be transformed into one of the largest postwar master planned neighborhoods in the nation. Improvements to the untouched land included sewers, water mains, and access roads. Working closely with San Diego's City Planning office at the onset, Burgener and Taveres' plan involved a planned series of neighborhoods, shopping centers, parks, churches, landscaping and schools. The accelerated postwar growth pattern being experienced throughout San Diego during this time was prominent in the developing Clairemont neighborhoods in the early to late 1950s. In 1957, an article published in a local San Diego magazine reflected on the early development of Clairemont, noting that Clairemont was considered to have better planning than any other comparably sized subdivision in the nation, "particularly in providing easy accessibility of its citizens to churches, schools, recreational facilities."[61] The need for a junior high school to accommodate an influx of families to the newly developed Clairemont neighborhood is consistent with the baby boom and related post-war development. Identified as a distinctive example of the planning and design principles employed in Clairemont, the Marston MS campus has a significant association with the history of post-WWII planning associated with the development of Clairemont. In this, the seven original structures retaining historic integrity and their associated site plan and landscape comprising the Marston MS campus, referred to early on as "Clairemont Junior High," and later "George W. Marston Junior High," appear to be eligible for listing as a potential historic district under National Register Criterion A at the local level of significance and California Register Criterion 1 for its association with significant patterns of post-World War II development and growth in the Clairemont, San Diego neighborhood.

Criterion B/2: Significant Persons

San Diego pioneer merchant and American politician, George W. Marston, for whom the school was named after, lived from 1850 to 1946. He developed and gave Presidio Park to San Diego, established the San Diego Historical Society, and was involved with establishing the San Diego Public Library System. Marston MS' connection to George W. Marston is tenuous as Marston was not alive at the time of the school's construction, nor has research indicated that he was involved in the development or planning for the school, as he was revered as a successful local merchant and philanthropist. Further, Marston MS is not identified with the productive life of significant individual District teachers, principals, administrators, students, or any other important identified persons. As such, Marston MS does not appear to satisfy National Register Criterion B or California Register Criterion 2 for eligibility related to significant persons at the national, state, or local level.

61 *San Diego & Point Magazine*.

Criterion C/3: Design/Construction

Designed and constructed in 1954-1955, the Mid-Century Modern Style/Contemporary Style Marston MS campus is representative of post-war District school-types in which planners and architects would eliminate interior circulation corridors, and spread out school campuses across a larger area. This would allow for more buildings to be constructed, in this case eight, and also interstitial spaces between buildings to be considered as integral elements of the educational environment, allowing for deliberately planned landscaped areas. As further identified in the "San Diego Modernism Historic Context Statement," new suburban area schools designed during the post-war period included a more in-depth application of developing indoor-outdoor design principals due to their large, previously undeveloped sites.

Additionally, newspaper articles of the mid- to late-1950s period identified Marston MS as a revered example of an economical, utilitarian, and beautiful example for other school districts to adopt, due to its design. San Francisco Bay Area, Stockton, and Phoenix school districts referenced the design of the Marston MS campus during the nationwide post-war construction boom as a prototype for a low-cost "sufficient modern school." This design, constructed to accommodate 1,500 students included a modern appearance, extensive use of decorative brick and wood paneling at the original office and library, and built-in millwork, which presented "an impression contradictory to low cost." Architect Herluf Brydegaard's design included back-to-back classrooms, which eliminated interior corridors, which were significantly costlier than exterior, open air walkways. The school buildings included skylights for daylighting and radiant heating through copper pipes in the concrete slab floors.

The school buildings were articulated in a vernacular version of the Mid-Century Modern Style/Contemporary Style, terms that are used interchangeably in the period literature related to buildings of this era constructed in San Diego. Mid-Century Modern Style/Contemporary Style character-defining features present at the eight original structures at the Marston MS campus include:

- Lack of applied ornament
- Eave overhangs and sheltering canopies
- Low horizontal massing
- Horizontal bands of flush windows
- Ribbons of steel frame windows
- Mixed material exteriors of stucco and brick
- Deep overhangs
- Covered walkways
- Site plan and landscape with distinctive quadrangle grouping of academic buildings in a finger plan with intentional indoor-outdoor relationships between the buildings, covered exterior circulation between buildings, brick planters, integrated landscape and pedestrian circulation, restricted separate vehicular access and parking, and athletic facilities and hardscaped playground fields located to the rear (south).

Interior character-defining features of the Mid-Century Modern/Contemporary Style present at the Marston MS campus include:

- Administration Building 100: wood and glass partitions, brick wall and brick planter
- Auditorium Building 400: wood stage and flanking pillars with strips of vertically oriented wood.

Danish-born San Diego-based architect Herluf Brydegaard had worked and trained with some of San Diego's most notable early 20th century architects including William Templeton Johnson, Kistner & Curtis, and master architect Samuel W. Hammill in the 1940s. Brydegaard designed the campus in 1954, while working for his own practice. A review of information at the San Diego History Center indicates that this was a prolific period of designing schools for Brydegaard, as the majority of this other identified commissions from the mid-1950s to early 1960s included designs and construction documents for the District, Carlsbad Union Elementary School District, and the Grossmont Union High School District. While considered to be a lesser-known local architect, his school designs of this period were nationally recognized for both efficiency and economy for their employment of a then-unique construction technique, which he was credited with for originating: the back-to-back classroom layout, which eliminate the need for central corridors. According to Brydegaard's obituary, four years after its construction Marston MS was chosen as one of the five best school plans in the country, although the contest or award could not be identified. While architect Brydegaard is not yet recognized as a master architect, his design innovations for modern schools were recognized nationally and brought about a significant change in the development of modern educational architecture.

The Marston MS campus as a whole comprises a potential historic district that includes the seven original structures retaining historic integrity and one non-contributing structure that is altered, as well as the associated campus site plan and landscape. It is a largely intact, distinguished example of a post-war Mid-Century Modern/Contemporary Style public school, designed during a period of rapid development in the Clairemont neighborhood. Design features created for this multi-building campus included back-to-back classrooms, which removed the need for interior corridors, furthering the relationship between learning areas and the outdoors. Many of the design features touted in newspaper articles express that the campus conveyed character-defining features of the era. Architect Brydegaard's design for the Marston MS campus in particular was lauded for its design and economy, serving as an example for other school districts across the nation. Today, the campus stands as a strong intact example of a post-war Mid-Century Modern/Contemporary Style campus. As a distinctive and influential example of its style and type, Marston MS appears to be eligible for listing on the National Register of Historic Places under Criterion 3 at the state and local level of significance and the California Register of Historical Resources under Criterion C.

Criterion D/4: Data Potential

Marston MS is not likely to yield any information important to prehistory or history as the site was constructed in a previously un-developed area. The SCIC search did not yield that there were previous archeological discoveries at this location. Therefore, Marston MS does not meet the above criterion for Criterion D/4.

Integrity Analysis

The National Register and California Register recognizes a property's integrity through seven aspects or qualities: location, design, setting, materials, workmanship, feeling, and association. Eligible properties should retain several, if not most, of these aspects. Both registers require that a resource retain sufficient integrity to convey its significance, and the property must retain the essential physical features that enable it to convey its historical identity. Integrity is based on significance and understanding why a property is important. National Register Bulletin 15 states that "only after significance is fully established can you proceed to the issue of integrity" (U.S. Department of the Interior 2002).

Marston MS has been identified as a historic district significant under the National Register of Historic Places Criteria A and under the California Register under Criteria 1 at the local level for its historical association with the development of the residential Clairemont neighborhood after World War II. The school campus has also been identified as a historic district under the National Register Criteria C at the local level and California Register under Criteria 3 for its application of an innovation in Mid-Century Modern Style/Contemporary Style design features. Based upon these significance findings, a period of significance has been identified as the years 1954–1955, when the campus was constructed and first opened to students. The campus retains integrity of location, design, setting, workmanship, feeling and association, as analyzed below.

Location
The grouping of eight buildings in quadrangle configuration along Clairemont Drive and Ute Drive remains the same, and the property has not been relocated. The property retains integrity of location.

Design
The campus remains intact from the original 1954-created designs with the exception of one major modification to the campus at the northern extent of the Library and Classroom Building 200 in the mid-2000s. An addition to enlarge the existing library was added onto the end, which resulted in a contemporary modification. While the modification is visible from Ute Drive, it does not overall detract from the original low-profile scale of the extant buildings, and was designed with simplified materials, and contemporary window assemblies that are compatible with the existing structures. The library addition occurs to the north portion of the original classroom building, while the southern, original, portion remains intact. In this, the Library and Classroom Building 200 retains marginal integrity of design due to the addition at the north which has altered its massing and footprint at the north, while the original southern portion of the building remains intact. Despite this library addition, a review of the original plans and early photographs of the campus confirms that much of the original campus design remains intact, and that the modification as mentioned above, has not affected campus circulation, programming or usage over time. As such, the property overall retains integrity of design, including high design integrity at the following buildings and landscape features: Administration Building 100, Classroom Building 100a, Classroom and Shop Building 100b, Classroom Building 300, Auditorium Building 400, Cafeteria, the Locker and Fitness Building 600, sidewalks within the quadrangle, open space comprised of grass and trees between buildings, and playing fields.

Setting
While the later portable structures were constructed on the campus at various times after the original construction, these structures do not overwhelm the campus and its historic buildings, as they sit in the northeast extent of the property in the former location of different temporary portables overtime, and can be removed in the future without adversely impacting the integrity of the campus. The building layout, relationships between the buildings, and the outdoor spaces that were part of the original campus plan remain intact. The site's playground areas to the south, and to the east, are still used for student recreation, as they were upon the school's opening and thus reflect the original site plan of the campus. While some of the original walkways have been repaired, and modified for accessibility, the walkways and access points remain intact. Similarly, the vehicular parking and circulation is intact. As evident in photographs taken the year that the Marston MS campus was completed, the landscaping, while matured, remains intact with large swaths of grass with mature trees interspersed between buildings. Further, the property's boundaries have remained the same since its period of significance. Thus, the property retains its historic integrity of setting.

Materials
The economic and durable materials as evidenced in the remaining built-in cabinetry, original windows, exterior metal louvres, exterior stucco, and interior skylights remain intact. The buildings have undergone minor upgrades, per requirements for compliance with safety and access over time, including concrete ramps, replacements of surface materials that have outlived their reasonable service life, as would be expected with high-wear environments, and the installation of HVAC in select buildings. These upgrades are considered minor and do not detract from the integrity of the original materials. As such, the property retains historic integrity of materials.

Workmanship
Modifications over time have not altered the design of the buildings, or removed original evidence of the simple workmanship that characterized this mid-century era public school. As a result, the buildings retain a high level of integrity for their original modest workmanship.

Feeling
The school continues to express the aesthetic and historic feeling of a Mid-Century Modern Style/Contemporary Style campus, designed and constructed in 1954-55. This includes the extant structures, paved hardscape areas, designed open spaces and with mature landscaping, walkways, parking lots, and large playground areas. As a result, the property retains historic integrity of feeling.

Association
The property retains its integrity of association, as Marston MS still operates as a school, as it has since its construction, although it has changed from a junior high school to a middle school. The campus retains its period appearance as a mid-century school, constructed in the post-war era.

In summary, the school and its associated campus (including the Administration Building 100, Classroom Building 100a, Classroom and Shop Building 100b, Classroom Building 300,

Auditorium Building 400, Cafeteria, and the Locker and Fitness Building 600) retains integrity of location, design, setting, workmanship, materials, feeling, and association, with the exception of Library and Classroom Building 200, which retains marginal integrity of design. As a result, the campus retains its historic and architectural integrity largely intact.

Character-Defining Features Analysis and Recommendations

The methodology utilized in this analysis generally follows National Park Service's (NPS) guidance provided in Preservation Brief 17, Architectural Character: Identifying the Visual Aspects of Historic Buildings as an Aid to Their Preservation, which primarily applies to application of the Standards although the classification methods discussed are pertinent for this analysis. According to the NPS, "character refers to all those visual aspects and physical features that comprise the appearance of every historic building. Character-defining elements include the overall shape of the building, its materials, craftsmanship, decorative details, interior spaces and features, as well as the various aspects of its site and environment."

Significant primary character-defining features are the most important with regard to determining the integrity and eligibility of a historical resource. These significant primary character-defining features should be retained and preserved, and alterations should be avoided. Contributing character-defining features are secondary and tertiary features that taken together with the primary features convey a property's significance as a historical resource. They should be preserved to the greatest extent feasible and rehabilitated as appropriate; however, more flexibility is given to these features. Alterations to some contributing features may not adversely impact the property's significance. Non-contributing features are later additions or alterations that do not detract substantially from the integrity or significance of a resource and their removal does not adversely impact the property.

Exterior character-defining features of the Mid-Century Modern Style/Contemporary Style present at the Marston MS campus include:

- Lack of applied ornament
- Eave overhangs and sheltering canopies
- Low horizontal massing
- Flat roofs and shed roofs
- Horizontal bands of flush windows
- Ribbons of steel frame windows
- Metal louvers at exterior
- Low-pitched rooflines
- Mixed material exteriors of stucco and brick
- Windows with large glass area
- Deep overhangs

Interior character-defining features of the Mid-Century Modern Style/Contemporary Style present at the Marston MS campus include:

- Administration Building 100: wood and glass partitions, brick wall and brick planter
- Auditorium Building 400: wood stage and flanking pillars with strips of vertically-oriented wood.
- Interior wood casework at the classrooms and shop spaces

Landscaped character-defining features present at the Marston MS campus include:

- Sidewalks within the quadrangle
- Open space with grass and trees between buildings, integrated landscape
- Southern playground areas
- Covered walkways and circulation
- Restricted separate vehicular access and parking
- Brick planters

Analysis of Project Impacts

Significance Thresholds

The thresholds for determining the significance of environmental effects on historical resources identified below are derived from the CEQA Guidelines as defined in Section 15064.5. Pursuant to this guidance, a project that would physically detract, either directly or indirectly, from the integrity and significance of the historical resource such that its eligibility for listing in the National Register, California Register would no longer be maintained, is considered a project that would result in a significant impact on the historical resource. Adverse impacts, that may or may not rise to a level of significance, result when one or more of the following occurs to a historical resource: demolition, relocation, conversion, rehabilitation, or alteration, or new construction on the site or in the vicinity.

CEQA Guidelines

According to the CEQA Guidelines, Section 15064.5(b) a project involves a "substantial adverse change" in the significance of the resource when one or more of the following occurs:

- Substantial adverse change in the significance of an historical resource means physical demolition, destruction, relocation, or alteration of the resource or its immediate surroundings such that the significance of an historical resource would be materially impaired.
- The significance of a historical resource is materially impaired when a project:
  A. Demolishes or materially alters in an adverse manner those physical characteristics of an historical resource that convey its historical significance and that justify its inclusion in, or eligibility for inclusion in, the California Register of Historical Resources; or
  B. Demolishes or materially alters in an adverse manner those physical characteristics that account for its inclusion in a local register of historical resources pursuant to Section

5020.1(k) of the PRC or its identification in a historical resources survey meeting the requirements of Section 5024.1(g) of the PRC, unless the public agency reviewing the effects of the project establishes by a preponderance of evidence that the resource is not historically or culturally significant; or

C. Demolishes or materially alters in an adverse manner those physical characteristics of a historical resource that convey its historical significance and that justify its eligibility for inclusion in the California Register of Historical Resources as determined by a lead agency for purposes of CEQA.

Under CEQA, a proposed development must be evaluated to determine how it may impact the potential eligibility of a structure(s) or a site for designation as a historic resource. The Standards were developed as a means to evaluate and approve work for federal grants for historic buildings and then for the federal rehabilitation tax credit (see 36 Code of Federal Regulations ("CFR") Section 67.7). Similarly, CEQA recognizes the value of the Standards by using them to demonstrate that a project may be approved without an EIR. In effect, CEQA has a "safe harbor" by providing either a categorical exemption or a negative declaration for a project which meets the Standards (see CEQA Guidelines Section 15331 and 15064.5(b)(3)). As such, the Project would have a significant impact on historic resources, if:

HIST-1 The Project would demolish, destroy, relocate, or alter a historical resource such that eligibility for listing on a register of historical resources would be lost (i.e., no longer eligible for listing as a historic resource); or

HIST-2 The Project would reduce the integrity or significance of important historic resources on the Project Site or in the vicinity such that their eligibility for listing on a register of historical resources would be lost (i.e., no longer eligible for listing as a historic resource).

Project Description

ESA's qualified architectural historians reviewed a preliminary Project plan for the Proposed Project entitled *Project Components* dated 2016 prepared by the District, and *Marston Middle School Pre-Schematic Assessment* dated 2019, prepared by Roesling Nakamura Terada Architects and the District. The Project plan is included in **Appendix D.**

Key features of the District's architectural concepts include:[62]

- Respect the Mid-Century Modern Style character of the existing buildings/campus
- Utilize a simple palette of materials and durable finishes complementary to the existing campus
- Create strong indoor/outdoor connections
- Preserve and enhance the use and effect of natural daylighting in the interior spaces

[62] San Diego Unified School District, "Marston Middle School Pre-Schematic Assessment," 2019, pp. 37.

- Create welcoming features at the front of the campus, located to the northwest of the Administration Building 100, to enhance the sense of arrival and create a prominent community presence.
- Create architecturally distinct buildings that will promote a strong sense of pride at the school

Exterior Improvements to Existing Buildings

The Proposed Project would involve site safety and security upgrades, code compliance, and modernization. Upgrades would include the replacement of all exterior windows, communications system upgrades, and door replacement to allow for electronic access. Code compliance efforts would include ADA upgrades to create code-compliant restrooms, and paths of travel throughout the campus. A new fire alarm system would be installed. Existing exterior stucco would be repaired. Rooftop HVAC equipment would be screened on all buildings as necessary.

Interior Improvements to Existing Buildings

The modernization efforts as part of the Proposed Project would involve the interior modernization of the Administration Building 100, Classroom Building 100a, Classroom and Shop Building 100b, Library and Classroom Building 200, and the Auditorium Building 400. Interior modifications would involve the removal and replacement of flooring, casework, ceilings, and interior finish upgrades. At the Cafeteria, the kitchen, serving and dining areas, and the storage areas would be modernized and expanded. The Locker and Fitness Building 600 would undergo modernization as well, the details of which were not available as part of this evaluation.

Additional work to replace the outdated i21 system with a new mobile wireless system and LED replacement lighting would occur to the Administration Building 100, Classroom Building 100a, Classroom and Shop Building 100b, Library and Classroom Building 200, and at the Auditorium Building 400.

New Gym Building

Additional right-size campus modifications would involve the construction of a new gym building in the east part of campus. In the preliminary Project plan, the new gym building appears to be square in footprint. The proposed gym building would be a single-story structure containing indoor sport courts with a lobby, restrooms and equipment storage. The details of the exterior design and how it would relate to the campus have not yet been determined.

Exterior Site Work

In the northeast corner of the site, the non-original portables would be demolished to make way for a new parking and drop-off area to include a total of 87 stalls, accessible from Ute Drive, using existing driveways. This would provide parking for both the school and the joint-use field. A roundabout driveway with landscaping within the circle and along a buffer area would be included. A conceptual sketch of a new campuses entry feature includes a free-standing punctuated brick wall with a centralized opening for access along the existing pathway.

Contemporary signage would be anchored at the north, and an overhang would sit above the centralized opening. New 10'-0" fencing would be installed.

Site work would also include the demolition of the existing paved playground area, and the replacement of a new artificial landscaped joint-use field. This would include a decomposed granite path around the perimeter of the field. The extant smaller paved area adjacent to the Locker and Fitness Building 600 would also be repaved. Existing walkway pavement would be removed and replaced to make exterior doors accessible.

Impacts Analysis

Would the project cause a substantial adverse change in significance of a historical resource as defined in CEQA Section 15064.5?

Less Than Significant Impact with Mitigation. The Marston MS campus's Auditorium building has been identified as potentially individually eligible for listing on the National Register on the state and local levels, and on the California register for its community importance and its design. Further, the Marston MS campus has been identified as potentially eligible for listing in the National Register and California Register as a historic district for its association with events that have made contributions to the broad patterns of California and San Diego's history and cultural heritage, as well as for its architectural association as a representative design of the Mid-Century Modern Style. Therefore, including the seven original structures retaining historic integrity and their associated character-defining landscape features that comprise the eligible historic district are collectively considered to be a potential historic resource pursuant to CEQA. The physical description and construction history of the campus are described above. The character-defining features present at the buildings that comprise the historic district include: a lack of applied ornament, eave overhangs, flat roofs and shed roofs, low horizontal massing, steel frame windows, mixed material palate, and deep overhanging eaves. Character-defining landscape features within the district include: sidewalks within the quadrangle, open space with grass and trees between buildings, southern playground areas, covered walkways and circulation, restricted separate vehicular access and parking and brick planters. Together, the seven original structures retaining historic integrity and their related landscape features are eligible as a historic district for its association with the development of the Clairemont neighborhood in San Diego and for their Mid-Century Modern style design.

Exterior Improvements to Existing Buildings

The proposed exterior modifications to the historic resource would include site safety and security upgrades including new fencing, cameras, code compliance, screening of rooftop mechanical systems, removal of metal louvres, and the replacement of remaining original doors, and original windows. The removal of the louvres and replacement of the original windows would be an adverse impact on the character-defining features of the property. The extent of the ADA upgrades to create new restrooms could also constitute an adverse effect and would need to be designed in accordance with the Standards. Further, the screening of the HVAC equipment at the roof may be a potential impact, as the screening be visually apparent on its own. If designed in accordance with the Standards, upon the completion of the Project, the campus would still retain sufficient historic

significance to convey its association for eligibility as a historic district. Therefore, with recommended mitigation incorporated, the Proposed Project would have a less than significant impact on historical resources because the eligibility of the historical resource as a district would be retained after Project completion.

Interior Improvements to Existing Buildings

Interior modernization work would include the removal of flooring, casework, ceilings, and interior finish upgrades. While some of these changes are considered minor, the alteration of intact interiors may cause an adverse change in the significance of the campus as a whole, if removed collectively. If designed in accordance with the Standards, upon the completion of the Project, the campus would still retain sufficient historic significance to convey its association for eligibility as a historic district. Therefore, with recommended mitigation incorporated, the Proposed Project would have a less than significant impact on historical resources because the eligibility of the historical resource as a district would be retained after Project completion.

New Gym Building

A new one-story gymnasium structure would be constructed at the upper playground area, which is visually and physically separate from the landscape and original buildings that comprise the campus. While the final design of the building has yet to be determined, as currently proposed with a basic floorplan and schematic sectional drawing, the gym would not destroy existing character-defining elements of the campus, nor would it impede or alter existing view sheds or access within the campus. It's location to the southeast of the existing campus, on an elevated portion of the site, would separate it from the site. However, while a detailed design for the new gym building has not yet been established, if it is carefully and deliberately designed to be compatible with the remaining historic district, the Project would conform to Standards 9 and 10, as described in the review presented below. If designed in accordance with the Standards, upon the completion of the Project, the campus would still retain sufficient historic significance to convey its association for eligibility as a historic district. Therefore, with recommended mitigation incorporated, the Proposed Project would have a less than significant impact on historical resources because the eligibility of the historical resource as a district would be retained after Project completion.

Exterior Site Work

The proposed traffic roundabout with landscaping is considered a minor impact to the historic setting because it would be replacing an existing parking area, however it is considered an adverse effect as it would modify an original landscape feature. The material replacement of a landscaped field, while a less than significance adverse effect, would also have an adverse effect on the historic appearance of the campus. Further, the existing walkway pavement is proposed to be replaced to make exterior doors accessible, which may result in an adverse impact to the campus site. Further, since these hardscapes were part of the original configuration, and the final design is unknown, it may require mitigation.

Proposed site work would also include the removal of the contemporary portable structures in order to make space to construct a new parking lot with roundabout driveway. The portables do not contribute to the campus' historic significance, as they fall outside of the period of significance. Their removal, and their replacement with a contemporaneously-landscaped roundabout with paved parking lot would not impede the extant campus, as it would be located to the northeastern extent of the site. If designed in accordance with the Standards, upon the completion of the Project, the campus would still retain sufficient historic significance to convey its association for eligibility as a historic district. Therefore, with recommended mitigation incorporated, the Proposed Project would have a less than significant impact on historical resources because the eligibility of the historical resource as a district would be retained after Project completion.

Secretary of the Interior's Standards Review

Under CEQA, a project generally would need to conform to The Secretary of the Interior's Standards for the Treatment of Historic Properties with Guidelines for Preserving, Rehabilitating, Restoring, and Reconstructing, Historic Buildings or The Secretary of the Interior's Standards for Rehabilitation and Guidelines for Rehabilitating Historic Buildings (the Standards) to be considered as mitigated to a level of less than a significant impact on the historic resource.[63] The Proposed Project entails physical modernization improvements to a historic district that is considered historically significant due to its association with events that have made contributions to the broad patterns of California's and San Diego's history and for its architectural merit. Therefore, pursuant to CEQA, the Proposed Project needs to be evaluated for its conformance with the Standards. Generally, a project that follows the Standards is considered mitigated to a less than significant impact on the historical resource pursuant to CEQA 15064.5(b)(3).

As previously described in this report, the subject property has been identified as a potentially eligible historic district comprised of 7 contributing buildings including the Administration Building 100, Classroom Building 100a, Classroom and Shop Building 100b, Classroom Building 300, Auditorium Building 400, Cafeteria, Locker and Fitness Building 600, associated site plan, and landscape and is considered a potential historical resource for the purposes of CEQA. In addition, the Auditorium Building 400 also appears eligible as an individual resource. At this time, the conceptual modification plans for the Proposed Project at Marston MS include campus-wide upgrades, the removal of portable structures with the replacement of a new landscaped parking and drop off area, the construction of a joint-use field, and the construction of a new one-story gymnasium. The project review below discusses the Proposed Project description.

Standard 1*: A property will be used as it was historically or be given a new use that requires minimal change to its distinctive materials, features, spaces and spatial relationships.*

> The subject property would continue to operate as a school as part of the Project, and as such fully conforms with Standard 1.

[63] California Environmental Quality Act, 15064.5 (3).

Standard 2*: The historic character of a property will be retained and preserved. The removal of distinctive materials or alteration of features, spaces and spatial relationships that characterize a property will be avoided.*

The Project would retain and upgrade the eight permanent buildings on the campus. This will involve the modernization of the Administration Building 100, Classroom Building 100a, Classroom and Shop Building 100b, Library and Classroom Building 200, and the Auditorium Building 400, which would include removal and replacement of flooring, casework, ceilings, and interior finish upgrades. It is unclear if the finish upgrades would include the removal of the wood stage and pillars at the Auditorium Building 400 or the wood and glass partitions and brickwork at the Administration Building 100. While the windows at all buildings would be replaced with new energy efficient windows to provide better insulation, this would still remove a character-defining feature throughout the property. Stucco would be patched and repaired to match the existing original appearance. The Locker and Fitness Building 600 would undergo a modernization as well, the details of which have not yet been determined. These changes propose to remove or alter some of the interior features would result in adverse impacts, these finishes do not overall characterize the property. As such, mitigation is recommended including design consultation and further Standards conformance reviews to be conducted by a qualified architectural historian in order to ensure potential impacts to historical resources would be less than significant. With design consultation, the proposed Project would be in conformance with Standard 2.

Standard 3*: Each property will be recognized as a physical record of its time, place and use. Changes that create a false sense of historical development, such as adding conjectural features or elements from other historic properties, will not be undertaken.*

The Project would include the demolition of non-historic portable buildings in order to allow for the construction of a contemporary new gymnasium building that would not include features or elements from other historic properties. In addition, new contemporary signage would be installed at the northwest corner of the property. The improvements would not create a false sense of historical development, nor would it include elements from other historical properties. As such, the proposed Project is in conformance with Standard 3.

Standard 4*: Changes to a property that have acquired historic significance in their own right will be retained and preserved.*

The campus was designed and constructed in 1954-1955. Changes over time have included safety upgrades, mechanical system upgrades, the expansion of the library, and minor landscape alterations. No changes that have acquired historic significance in their own right were identified. As such, the proposed Project is in conformance with Standard 4.

Standard 5*: Distinctive materials, features, finishes, and construction techniques or examples of craftsmanship that characterize a property will be preserved.*

As part of the Project, the exterior metal louvers would be removed and the original windows would be replaced with energy efficient window. Existing stucco would be repaired.

The interior millwork is proposed to be removed, although the extent of this per building is not yet clear.

These interior and exterior modifications could render the Project as not in conformance with this Standard, as they would be potential adverse impacts. However, as the Project is in early stages of design development, the modifications to interior finishes and features cannot be

evaluated at this time. Preservation recommendation are included to address Standard 5 conformance.

Standard 6*: Deteriorated historic features will be repaired rather than replaced. Where the severity of deterioration requires replacement of a distinctive feature, the new feature will match the old in design, color, texture and, where possible, materials. Replacement of missing features will be substantiated by documentary and physical evidence.*

The existing walkway pavement would be replaced in order to make exterior doors accessible, which may not conform with Standard 6. As the Project is in early stages of design development, deteriorated historic interior features to be replaced has not yet been determined. Preservation recommendation are included to address Standard 6 conformance.

Standard 7*: Chemical or physical treatments, if appropriate, will be undertaken using the gentlest means possible. Treatments that cause damage to historic materials will not be used.*

There is no proposed work that would involve chemical or physical treatments at the campus. As such, the Project is in conformance with Standard 7.

Standard 8*: Archeological resources will be protected and preserved in place. If such resources must be disturbed, mitigation measures will be undertaken.*

Ground disturbing activity that would occur under the Proposed Project would involve excavation in the northeast portion of the parcel for the proposed parking lot and in the southwest portion of the parcel for the proposed joint-use field. Archival records search results showed there are no archaeological resources within a .25-mile radius (see Appendix C). The Project includes excavations of an average of 2 feet deep for building foundations and approximately 18-inches deep for the proposed joint-use field. According to a preliminary geotechnical investigation, artificial fill ranges in thickness up to approximately three feet below grade, with all borings going through approximately one foot of disturbed surficial soils (MTGL, Inc. 2002). Therefore, excavation could extend beyond artificial fill, where archaeological resources could potentially be discovered, although unlikely. There are several existing joint-use fields within the City at other District facilities, which has led to the development of standard operating procedures. These procedures are considered project design features, as these practices are currently being utilized and were developed prior to conducting the environmental analysis within this checklist. One such project design feature is Construction Measure CM-4, which states that in the event unexpected archaeological resources are uncovered during ground-disturbing activities associated with the Proposed Project, work must stop in the immediate area until it is evaluated by a qualified archaeologist to ensure satisfactory compliance with applicable regulations (14 California Code of Regulations 15064.5(f)). With the incorporation of Construction Measure CM-4, potential impacts to archaeological resources would be reduced to a less than significant level. As such, the Project is in conformance with Standard 8.

Standard 9*: New additions, exterior alterations, or related new construction will not destroy historic materials, features, and spatial relationships that characterize the property. The new work will be differentiated from the old and will be compatible with the historic materials, features, size, scale and proportion, and massing to protect the integrity of the property and its environment.*

Exterior Improvements to Existing Buildings

Exterior alterations would include the removal of the metal louvers and the removal and replacement of original windows with energy efficient windows. While the details of the

window and door replacement is unclear, the removal of them and the louvres would destroy historic materials. The inclusion of HVAC screening on the rooftop has not been fully defined. As such, the Project is not in conformance with Standard 9.

Interior Improvements to Existing Buildings

The Project proposes to demolish interior character-defining millwork. Additionally, it is not clear what would happen to the character-defining interior features including: brick work and wood and glass partitions at the Administration Building 200, nor to the wood stage and flaking pillars with wood strips at the Auditorium Building 400, as the proposed interior modernization work would include the removal of unspecified interior finishes. As such, the Project is not in conformance with Standard 9.

New Gym Building

A new addition as part of the Project would involve the construction of a one-story stand-alone gymnasium building to the northeast portion of the Marston MS campus along Ute Drive. The section provided in the proposed Project pre-schematic assessment (Appendix D) indicated that the design of the structure would have a flat, overhanging roof and be square in plan. The location of this new structure would be situated away from the structures that constitute the historic district. However, it is possible that the final design of the building may impact the historic district, as it may not be compatible with or differentiated enough from the existing district. Further details of the design for the new gymnasium building has not yet been determined and as such, this aspect of the Project cannot be fully evaluated for conformance with Standard 9.

Exterior Site Work

The proposed plan for the contemporary signage at the northwest corner of the property have not yet been finalized. The conceptual sketch (as shown in Appendix D) for the new entry feature includes a free-standing punctuated brick wall with a centralized opening for access along the existing pathway, that, while it would not destroy historic features or materials, has the potential to affect spatial relationships by being incompatible with the mid-century aesthetic and by obstructing the sightlines of the historic district from the street. Further the final design and construction documents for the parking lot and joint use field would need to be reviewed to ensure that they would not destroy historic features or spatial relationships that characterize the property. As a result, the Project concept as currently proposed would not fully conform to the Standards as it relates to differentiation and compatibility. As such, the Project is not in conformance with Standard 9.

Standard 10*: New additions and adjacent or related new construction will be undertaken in such a manner that, if removed in the future, the essential form and integrity of the historic property and its environment would be unimpaired.*

If the proposed new gymnasium building or parking/drop off area and new joint-use field are to be demolished in the future, their removal would not further impact the essential form and integrity of the remaining potential historic district, as these areas are both located away from the main quadrangle of buildings and landscape features. Therefore, the Project would conform to Standard 10.

Impact Analysis Conclusion and Recommendations

As discussed above, while the Project as a whole may have a less than significant impact on historical resources, if not designed in conformance with Standards it could result in significant adverse impacts, the extent to which is unknown due to the fact the project is in the early stages

of design development. As part of the Proposed Project, character-defining features would potentially be adversely affected with the following proposed modifications:

Exterior Improvements to Existing Buildings

Replacement of original doors and windows, removal of exterior metal louvres, HVAC equipment screening.

Interior Improvements to Existing Buildings

Removal of interior millwork, modernization of interiors. Extent of modifications to additional interior character-defining features.

New Gym Building

Design of new gym building.

Exterior Site Work

ADA upgrades, construction of new exterior signage, design of a new joint-use playground fields, and design of the new parking lot.

These modification have the potential to have an adverse impact on the historic district, and as such these modifications should be designed in conformance with the Standards and should be subject to review by a qualified architectural historian or historic architect to ensure conformance to Standards prior to project approval.

Given the positive determination of eligibility concluded as a result of the study presented above, and in consideration of the evolution of the conceptual design being formulated for the Project implementation, the following mitigation measures are recommended to reduce potential adverse impacts to historical resources to a level of less than significant for purposes of CEQA:

> **CUL-1: Plan Review.** The District shall retain a qualified preservation consultant, meeting the Secretary of the Interior's Professional Qualifications Standards for History, Architectural History, or Architecture, pursuant to 36 CFR 61 and who has at least 10 years of experience in design review and collaboration applying the Standards (Qualified Preservation Professional) to review the final plans for all new proposed construction to ensure conformance with the Secretary of the Interior's Standards for Rehabilitation (Standards) for the remaining portions of the historic district with regard to Standards 1 through 10. The Qualified Preservation Professional shall also address the compatibility of the new construction with adjacent historical resources in relation to Standards 9 and 10 (related and adjacent new construction).
>
> The Qualified Preservation Professional shall prepare a Secretary of the Interior's Standards Preservation and Plan Review Report, documenting conformance with the Standards for the remaining portions of the historic district. The Qualified Preservation Professional shall submit a draft report to the District within 30 days of completion of the draft design plans, and shall make any recommendations necessary to bring the design into conformance with the Standards. The Qualified Preservation Professional shall review the final design plans and prepare a final report documenting conformance with the Standards, which shall be submitted to the District no less than 30 days prior to the

commencement of construction. The final plan review shall be submitted to the District along with the final plan set prior to project approval.

CUL-2: Historic American Building Survey. If the Secretary of the Interior's Standards Preservation and Plan Review Report determines that the design is not in conformance with the Standards, prior to the issuance of a building permit for the subject property, a recordation document shall be prepared in accordance with Historic American Buildings Survey (HABS) Level III requirements for the eligible buildings within the identified historic district. The recordation document shall be prepared by a qualified architectural historian or historic preservation professional who satisfies the Secretary of the Interior's Professional Qualification Standards for Architectural History pursuant to 36 CFR 61. This document shall include a historical narrative on the architectural and historical importance of the building and its contributions to the history of the area and educational institutions. The document shall also record the existing appearance of the buildings in professional large format photographs. The buildings' exteriors, representative interior spaces, character-defining features, as well as the property setting and contextual views will be documented. All documentation components shall be completed in accordance with the Secretary of the Interior's Standards and Guidelines for Architectural and Engineering Documentation (HABS/HAER standards). Copies of the completed report will be distributed to the South Coastal Information Center (SCIC) at the California State University – San Diego.

The report shall record the history of the subject property and its physical condition, both historic and current, through site plans, historic maps, and photographs, as well as current photographs, written data, and text. The documentation will be organized in the HABS/HAER "short form" format to include the following sections: name, location, significance, description, history, sources, historians, project information, sketch map, and index of photographs. Selected photographic copies or original photographic prints (pursuant to HABS/HAER guidelines) of historic images showing the subject property and original surroundings will be included.

CUL-3: Monitoring. Prior to the start of construction, a Qualified Preservation Professional shall be retained to develop a plan of action for avoidance and protection of historic materials in coordination. The plan shall include at a minimum:

1. Notation of the building/structure/feature on construction plans.
2. Pre-construction survey to document the existing physical condition of the building/structure/feature.
3. Procedures and timing for the placement and removal of a protective barrier(s), such as protective wood boards, bracing or framing to protect fragile fenestration and other exposed architecture features and materials, protective fencing and/or concrete or water-filled plastic K-rails around each retained building/structure/feature.

4. Monitoring of the installation and removal of protective barriers by the Qualified Preservation Professional, or his or her designee.
5. Monitoring of the condition of the building/structure/feature at regular intervals during the duration of demolition and construction including vibration monitoring.
6. Post-construction survey to document the condition of the building/structure/feature after completion of the Project.
7. Preparation of a technical memorandum documenting the pre-construction and post-construction conditions of the historic materials and resource in compliance with protective measures outlined in this mitigation measure.

The plan shall comply with the Secretary of the Interior's Standards for the Treatment of Historic Properties and shall be memorialized in a technical memorandum, which shall be submitted to District for review and approval. The final approved plan shall be submitted to the District no later than 30 days prior to the start of construction including any staging or demolition activities. The plan shall be provided to each construction manager/foreman at the project kick-off meeting for each phase of work. The technical memorandum documenting the pre-construction and post-construction conditions shall be submitted to the District within 30 days of completion of the Project and removal of the protective barriers.

In addition, prior to the start of construction, the District shall inform construction personnel of the location and significance of the historic materials/resource, and of the avoidance and protective measures that shall be implemented. If work crews are phased, the District shall ensure that each crew is provided with this information.

Findings and Conclusions

Historic Resource Evaluation Findings

ESA evaluated Marston MS for potential eligibility for listing in the National Register and California Register as a historic district. As a result of ESA's research and survey investigations, Marston MS is recommended eligible under National Register Criteria A and C and California Register 1 and 3 as a historic district. Marston MS is associated with the construction of the San Diego's unique master-planned community of Clairemont, which developed beginning in the early 1950s at a time when the city was expanding rapidly after WWII. Major improvements to the undeveloped mesa-top land took place in order for the area to be transformed into one of the largest postwar master planned neighborhoods in the nation. Working closely with San Diego's City Planning office at the onset, Burgener and Taveres' plan involved a planned series of neighborhoods, shopping centers, parks, churches, landscaping and schools. Identified as a distinctive example of the planning and design principles employed in Clairemont, the Marston MS campus has a significant association with the history of post-WWII planning associated with the development of Clairemont. The Marston MS campus, referred to early on as "Clairemont Junior High," and later "George W. Marston Junior High," is eligible for listing as a potential

historic district under National Register Criterion A at the local level of significance and California Register Criterion 1 for its association with significant patterns of post-World War II development and growth in the Clairemont, San Diego neighborhood. The campus' quadrangle design articulated in a Mid-Century Modern Style, is reflective of a master planned school that served as an example for other school districts to adopt as a prototype for a low cost "sufficient modern school." The buildings were designed and constructed as a group entity as part of a master plan for the campus. As the buildings, landscape, and spatial relationships found here are integrated with one another and function as a unified entity, the indoor/outdoor relationship between the buildings and the landscape is an important component of the design. The property remains largely intact since its original construction, with minor upgrade modifications that are typical for a campus of this age and do not detract from its integrity. The Marston MS campus retains historic integrity of location, design, setting, materials, workmanship, feeling and association. The following buildings and features constructed during the period of significance contribute to the eligibility of Marston MS under National Register Criteria A and C and California Register Criteria 1 and 3 as a historic district at the local level: Administration Building 100, Classroom Building 100a, Classroom and Shop Building 100b, Classroom Building 300, Auditorium Building 400, Cafeteria, the Locker and Fitness Building 600, site plan, sidewalks within the quadrangle, open space with grass and trees between buildings, parking lots, and playgrounds. The district and its contributing buildings, site plan, open spaces, hardscape and landscape features are assigned the following California Historical Resources Status Codes of 3D, "appears eligible for the National Register as a contributor to a National Register district through survey evaluation, and 3CD, "appears eligible for the California Register as a contributor to a California Register district through survey evaluation."

Additionally, the Auditorium Building 400 appears eligible for individual listing on the National Register at the state and local level and the California Register of Historic Places for its role in the history of the community and as an example of the Mid-Century Modern Style/Contemporary Style architectural style as applied to a junior high/middle school auditorium and is assigned the additional status codes of 3S, "appears eligible for NR as an individual property through survey evaluation," and 3CS, "appears eligible for CR as an individual property through survey evaluation."

The Project was analyzed for potential impacts to identified historical resources. The Project would modernize all of the contributing buildings and modify some of the associated campus landscape features, as described above. Project plans are still being developed and have not been finalized. While the Project would retain the components of the potential district, including the eligible buildings, site plan and landscape, potential adverse impacts would occur under the Project because of proposed exterior changes to the buildings that would affect important character-defining features including replacement of windows and doors, removal of louvers, and interior upgrades. While changes to the site plan for the new circulation and drop off do not appear to impact the integrity of the overall campus plan adversely, proposed ADA improvements could adversely affect the character of the campus architecture, plan and landscape. Furthermore, while construction of the proposed new gymnasium would not require demolition of any historic buildings and the scale and massing of the proposed new gymnasium would be compatible with the contributing buildings in the district, the final design of the new gymnasium is not fully

developed. Therefore, potential adverse impacts would occur to historical resources because the Project would not fully conform with the Secretary of the Interior's Standards as described in detail in this report. Mitigation measures are recommended to ensure conformance with Standards including CUL-1: Plan Review, CUL-2: Historic American Building Survey, CUL-3: Monitoring. With mitigation recommendations incorporated to ensure conformance with Standards, potential impacts from the Project on historical resources would be less than significant.

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Appendix A
Preparers' Qualifications



Margarita Jerabek, PhD

Historic Resources Director

EDUCATION

Ph.D., Art History, University of California, Los Angeles

M.A., Architectural History, School of Architecture, University of Virginia

Certificate of Historic Preservation, School of Architecture, University of Virginia

B.A., Art History, Oberlin College

30 YEARS EXPERIENCE

AWARDS

2014 Preservation Award, The Dunbar Hotel, L.A. Conservancy

2014 Westside Prize, The Dunbar Hotel, Westside Urban Forum

2014Design Award: Tongva Park & Ken Genser Square, Westside Urban Forum

Preservation Design Awards, RMS Queen Mary Conservation Plan 2012; and Restoration and Exhibit Design for Home Savings, Montebello,2016, California Preservation Foundation

PROFESSIONAL AFFILIATIONS

California Preservation Foundation

Santa Monica Conservancy

Society of Architectural Historians, Life Member

American Institute of Architects (AIA), National Allied Member

Margarita Jerabek has 30 years of professional practice in the United States with an extensive background in historic preservation, architectural history, art history and decorative arts, and historical archaeology. She specializes in Visual Art and Culture, 19th-20th Century American Architecture, Modern and Contemporary Architecture, Architectural Theory and Criticism, Urbanism, and Cultural Landscape, and is a regional expert on Southern California architecture. Her qualifications and experience meet and exceed the Secretary of the Interior's Professional Qualification Standards in History, Archaeology, and Architectural History. Margarita has managed and conducted a wide range of technical studies in support of environmental compliance projects, developed preservation and conservation plans, and implemented preservation treatment projects for public and private clients in California and throughout the United States.

Relevant Experience

Margarita has prepared a broad range of environmental documentation and conducted preservation projects throughout the Los Angeles metropolitan area and Southern California. She provides expert assistance to public agencies and private clients in environmental review, from due diligence through planning/design review and permitting and when necessary, implements mitigation and preservation treatment measures on behalf of her clients. As primary investigator and author of hundreds of technical reports, plan review documents, preservation and conservation plans, HABS/HAER/HALS reports, construction monitoring reports, salvage reports and relocation plans, she is a highly experienced practitioner and expert in addressing historical resources issues while supporting and balancing project goals.

She is an expert in the evaluation, management and treatment of historic properties for compliance with Sections 106 and 110 of the NHPA, NEPA, Section 4(f) of the Department of Transportation Act, CEQA, and local ordinances and planning requirements. Margarita regularly performs assessments to ensure conformance with the Secretary of the Interior's Standards for the Treatment of Historic Properties, and assists clients with adaptive reuse/rehabilitation projects by providing preservation design and treatment consultation, agency coordination, legally defensible documentation, construction monitoring and conservation treatment.

Margarita is a regional expert on Southern California architecture. She has prepared a broad range of environmental documentation and conducted preservation projects throughout the Los Angeles metropolitan area as well as in Ventura, Orange, Riverside, San Bernardino and San Diego counties. Beyond her technical skill, she is a highly experienced project manager with broad national experience throughout the United States. She currently manages ESA's on-call historic preservation services with the City of Santa Monica, and Los Angeles Unified School District.



EDUCATION

MS, Historic Preservation, University of Pennsylvania

BA, Design, University of California at Davis

7 YEARS EXPERIENCE

PROFESSIONAL AFFILIATIONS
California Preservation Foundation Member

Society of Architectural Historians Member

National Trust for Historic Preservation Member

AWARDS
Albert Binder Travel Fellowship, 2012 and 2013

PennDesign Departmental Grant, 2011-2013

Alison Garcia Kellar

Senior Architectural Historian

Alison is a senior architectural historian with 7 years of professional and academic experience with a background in historic preservation, design, and museum collections. Her work with historic resources and cultural heritage in California has included managing and authoring historic resource assessments, National Register Nominations, historic structure reports, feasibility studies, Federal Historic Preservation Tax Credit applications, in addition to extensive archival research and resource documentation. Alison utilizes an understanding of preservation design and historic interiors to inform impacts analyses of proposed development and recommendations for adaptive reuse.

Relevant Experience

3325 Monterey Road CEQA Impacts Analysis and Design Review, San Marino, California. *Senior Architectural Historian.*
A two-story Art Deco style single-family residence, constructed in 1927 in San Marino, California was determined to be a historic resource through a Historic Resource Evaluation report. Proposed modifications to the residence included a two-story rear addition, which would demolish a significant rear courtyard, and replicate original tile motifs, a balcony, and other designed elements at the historic building. Alison assisted with preservation design consultation and conducted a plan review for conformance with the Secretary of the Interior's Standards (SOI Standards) for the proposed project. She coordinated with the project architect to better convey preservation components of the proposed work into the drawing set for city review. The review required a character-defining features analysis to determine the level of significance of the remaining features.

1101 N. Vermont Avenue Historic Resource Assessment, Los Angeles, CA. *Senior Architectural Historian.* The client is proposing to redevelop a site with a previously identified historic resource, a Mediterranean Revival commercial building constructed in the 1920s. Alison oversaw and co-authored the production of a Historic Resource Evaluation (HRA) to establish the building's historic significance, which included extensive research about the building, its site, associated designers, relevant patterns of development, and an analysis of the building's historic integrity. Upon completion of the HRA report, the optional service of design advice and preservation guidance may be employed to assist the client in the preparation of a CEQA impacts analysis, Standards review, and mitigation recommendations as the client moves forward to redevelop the property while maintaining a portion or all of the historic resource intact.

Benjamin Franklin Elementary School Historic Resource Evaluation and Mitigated Negative Declaration, San Diego, CA. *Senior Architectural Historian.*
Alison conducted an HRA for the 1930s, 40s, and 50s-designed elementary school campus. The property was found to be a historic district eligible for its association

with the post-war development of the Kensington neighborhood, and for its association with two master San Diego architects. The proposed project was reviewed for compliance with the Secretary of the Interior's Standards, and a CEQA analysis was performed, resulting in the Mitigation Measures and design considerations for future construction within the district.

Golden Gate Village Historic Resource Evaluation, Marin City, CA. *Architectural Historian.* The highly-intact Golden Gate Village low-income housing complex was constructed in 1958 to house many of the former Marinship workers and their families. Designed by prominent mid-century designers including Aaron G. Green, John Carl Warnecke, and Lawrence Halprin, the property serves as an example of a well-designed housing complex, significant as a product of post-war urban development and for its prominent mid-century designers. Alison performed the site visit and conducted research through local and private archival repositories, plan analysis, and interviews, to produce the report narrative and historic evaluation for the property. Today, the property is listed on the National Register of Historic Places.

McDonnell Hall/Our Lady of Guadalupe Chapel Historic Structure Report, San Jose, CA. *Architectural Historian.* Constructed as a parish church in 1914, the building moved to its current location in 1953. Here, the building served as a newly formed Catholic Mission, the Center of Our Lady of Guadalupe. The property is associated with civil rights activist and labor rights leader Cesar Chavez, and the mid-20th century Mexican American civil rights movement. Alison assisted with the research, production, and design recommendations, including bringing the building back to its appearance during its period of significance, which required a meticulous analysis of the building's historic integrity. The property today is listed as a National Historic Landmark.

Historic YMCA Hotel Preservation Consulting in the Embarcadero, San Francisco, CA. *Senior Architectural Historian, Project Manager.* Built in the early 20th century, the building was formerly a YMCA hotel used by young navy men and is currently a hotel along the waterfront with an adjacent YMCA recreational center. The hotel was proposing modifications which included rehabilitation work and reconfiguring the interior lobby space. Alison researched and documented how the interior had evolved over time by reviewing old plans, still shots from movies filmed on-location, post cards, and by reviewing the existing fabric. She developed narrative for the construction chronology with a focus on the building's public spaces at the interior, overseeing the entire production of the report and created recommendations to update the client's proposed plans which included acceptable sensitive modifications to historic features and recommendations for potential future demolition.

Palo Alto History Museum Historic Preservation Consulting, Palo Alto, CA. *Architectural Historian.* The Spanish Revival style Roth Building was the original location of the Palo Alto Medical Foundation. The former medical building is undergoing a conversion into a local history museum with gallery space, interpretive areas, and archival and study rooms. Alison assisted with secondary research efforts of both the medical foundation and the building, upon modifications to the museum's scope of work. She conducted a Part 2 Federal historic rehabilitation tax credit application review which included

recommendation to best comply with the Secretary of the Interior's Standards for Historic Preservation.

Half Moon Bay Barn and Jail Museum Historic Resource Evaluation and Preservation Consulting, Half Moon Bay, CA. *Senior Architectural Historian.* The City of Half Moon Bay was working with a local historical society to implement a history museum at the site of its early 20th century jail and adjacent barn. Alison conducted an in-depth historic resource assessment then reviewed proposed plans for buildings and site modifications to accommodate gallery space, offices, and archival storage. Coordinating with project architects, she assisted with the creation of recommendations for project compliance with the Secretary of the Interior's Standards for Rehabilitation.

Toscano Hotel Preservation Consulting, Sonoma State Historic Park, Sonoma, CA. *Senior Architectural Historian.* The two-story wood framed Toscano Hotel was constructed in the 1850s and is a contributing resource to the Sonoma Plaza National Historic Landmark District and the Sonoma Plaza National Register Historic District. Alison conducted a Secretary of the Interior's Standards reviews of proposed changes to the interior of the building. Proposed changes included the conversion of a portion of the building from a hotel saloon museum display area into a retail concession area for the California State Parks. Project recommendations included sensitive design solutions to maintain original features.

Previous Work Experience

Garavaglia Architecture, Inc., San Francisco, CA. *Senior Architectural Historian and Project Manager.* Alison was responsible for coordinating the firm's preservation studio projects, ranging between 10 and 20 active projects at any given time. She oversaw more than 50 projects from start to finish, managing client relationships and project timelines. Alison strategized with principal daily to define project goals and improve internal high standards of studio contracts and participated in proposal development, project scoping, planning, budgeting, and facilitated communication through all phases of the work. Alison collaborated with the architectural studio to identify preservation-related issues and constraints, craft rehabilitation recommendations, design sensitive mitigation solutions for new development within historic buildings and districts, and justify approved preservation design solutions with the goal of minimizing adverse effects on the historic resource.

Publications and Presentations

California Preservation Foundation Conference, Panelist on modernism in 'Becoming Silicon Valley' and 'Documenting Hispanic Heritage' tour leader, 2018.

UC Davis Undergraduate Design Studio Lectures, 'Historic Preservation in Northern California,' 2014 and 'PennDesign Thesis: 20th Century Architectural Lighting and Establishing Guidelines for its Preservation,' 2013.

Appendix B

DPR Forms
(Pending District Review)

Appendix C
Records Search Results

State of California
DEPARTMENT OF PARKS AND RECREATION
PRIMARY RECORD

Primary #_____
HRI #_____
Trinomial_____
NRHP Status Code____
Other Listings _____
Review Code_____Reviewer_____Date_____

***Page** _1_ of _11_ ***Resource Name or #:** T-Mobile West LLC SD06190A/SD190 Garfield Building
***P1. Other Identifier**: Garfield Building
***P2: Location**: Not for publication Unrestricted **X** a. County: San Diego
And (P2b and P2c or P2d. Attach a location map as necessary.)
***b. USGS Quad** La Jolla ***Date**: 1975 T; R; ¼ of ¼ of Sec. _____ B.M._____
c. Address: 3949 Clairemont Drive City: San Diego Zip: 92117
d. UTM: (Give more than one large or linear resources) Zone: Me/ mN
e. Other Locational Data (e.g. parcel #, directions to resource, elevation, etc. as appropriate);
APN: 418-300-06
***P3a. Description** (Describe resource and its major elements, include design, materials, condition, alterations, size, setting and boundaries.)\
The subject property is a two-story, asymmetrical, rectangular shaped, Modern style, commercial office building located on a main commercial artery in the Clairemont area of San Diego. The neighborhood is a mixed use commercial and residential area. The building has a concrete foundation, stucco exterior and a flat roof. A large tower projection is present on the west elevation. The front façade is divided into multiple retain units by pilasters which extend to the roofline. The individual units have metal framed plate glass windows and single metal and glass doors. The south elevation contains a small retail space with a separate entrance. Metal stairs are present on the rear facades. Signage is present on the front façade. The building is in good condition.
***P3b. Resource Attributes:** (List attributes and codes) HP 6: 1-3 Story Commercial Building



P4. Resources Present: **Building X** Structure Object Site District Element of District
P5b. Description of Photo: (View, date Accessions #) View SE/12/20/2013
***P6. Date Constructed/Age and Source Historic X** Prehistoric Both c. 1961/San Diego County Assessor's Records
***P7. Address**: Balboa Rental Properties, 4238 Balboa Avenue, San Diego, CA 92117
***P8: Recorded by**: (Name, Affiliation, Address) K.A. Crawford, Crawford Historic Services, P.O. Box 634, La Mesa, CA

***P9. Date Recorded**: 12/20/2013 ***P10. Type of Survey:** (Describe) Intensive ***P11: Report Citation** (Cite Survey Report and other sources, or enter "None".) None ***Attachments:** None Location Map Sketch Map **Continuation Sheet X Building, Structure and Object Record X** Archaeological Record District Record Liner Resource Record Milling Station Record Rock Art Record Artifact Record Photograph Record Other (List):

State of California – The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
RESIDENCE, STRUCTURE, AND OBJECT RECORD

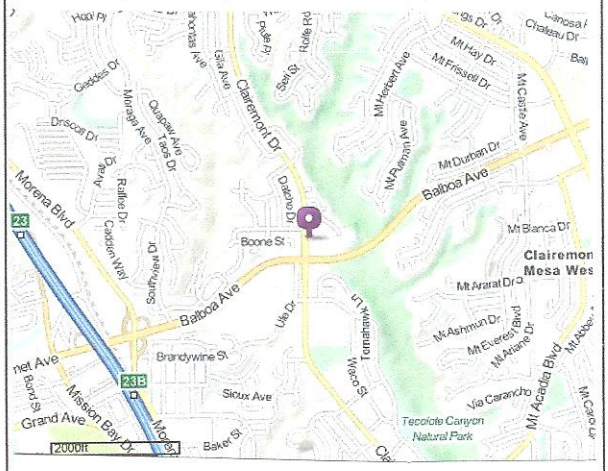
Primary #
HRI# P-37-035446
***NRHP Status Code**

***Page** 2 of 11 ***Resource Name or # (Assigned by Recorder)**: T-Mobile West LLC SD06190A/SD190 Garfield Building

B1. Historic Name: None
B2: Common Name: Garfield Building
B3. Original Use: Commercial/Retail
B4: Present Use: Commercial/Retail
***B5: Architectural Style**: Modern
***B6: Construction History**: (Construction Date, alterations and dates of alterations)
The subject building was constructed in approximately 1961. The building has undergone door and window alterations.
***B7. Moved?** X **No** Yes Unknown Date: Original Location
***B8. Related Features**: Parking lot
B9a. Architect: Unknown **b. Builder:** Unknown
***B10. Significance:** Development of San Diego and Modern Architecture **Area**: San Diego/Clairemont
Period of Significance: 1961-Present **Property Type:** Commercial **Applicable Criteria**: A and C
(Discuss importance in terms of historical or architectural context as defined by theme, period, and geographic scope. Also address integrity.)
The subject property is located in the Clairemont area of San Diego. The Clairemont area was one of the first subdivisions built in San Diego in the 1950s. In 1950 Carlos Tavares and Lou Burgener developed the largest post-World War II subdivision in San Diego. By May, 1951, the first homes had been constructed on the undeveloped mesa lands and the first residents had moved in. The subdivision was a departure from the standard subdivision and instead, it incorporated winding streets, views of the bay and ocean and the surrounding canyons. The homes were built by Tavares Construction Company with highly customized floor plans. Within a few years, several thousand homes covered the mesa and, since the area was somewhat removed from the main core of San Diego, it was necessary to build schools, churches, shopping centers, and office buildings to provide services for the local community. The subject building was constructed in 1961 as part of this trend to develop business opportunities for the local community. The building has been used as an office building and space for small retail businesses since its construction. The building has undergone general tenant improvements to maintain the viability of the structure and has had door and window changes. The building is one of many small, local, commercial buildings constructed in the Clairemont area during the 1950s and 1960s and has no special distinction nor did it play a significant role in the development of the Clairemont area in the 1960s.

B11. Additional Resource Attributes: (List attributes and codes) None
***B12. References**: McAlester and McAlester, *A Guide to American Houses*, 1991; Historicaerials.com; County of San Diego Assessor's Records; City of San Diego Building Department Records.
B13. Remarks: None
***B14: Evaluators**: K.A. Crawford
***Date of Evaluation**: 12/20/2013

(Sketch Map with north arrow required.)



(This space reserved for official comments.)

State of California – The Resource Agency
DEPARTMENT OF PARKS AND RECREATION
CONTINUATION SHEET Primary # _____
HRI#_____
Trinomial_____

(Continued from page 2)

Integrity Statement

In regard to the seven aspects of integrity – location, design, setting, materials, workmanship, feeling and association – the c.1961 Modern style commercial building on this property has retained its original location. The building has not been moved. The setting, feeling, and association have not remained intact as the urban area surrounding the structure has changed. The design, materials and workmanship have been altered by door and window changes. The integrity level is good and the condition of the building is good.

National Register of Historic Places Eligibility Evaluation

The property was assessed under National Register of Historic Places **Criterion A** for its potential significance as part of any historic trends or events that may have made a significant contribution to the broad patterns of our history. The building was constructed as part of the overall continuing commercial and residential development of the San Diego area which began in the 1850s and continues to the present time. There is no significant trend or event associated with the property. **Therefore, the property does not appear to meet the criteria for significance under Criterion A: Event.**

The property was assessed under National Register of Historic Places **Criterion B** for its potential significance and association with a person of importance in national history. There is no evidence to suggest that any of the persons associated with the construction or development of the building were considered important in the history of the property or nation. None of the persons associated with the property appear to be historically significant at the level necessary to meet the criteria for National Register of Historic Places. **Therefore, the property does not appear to meet the criteria for significance under Criterion B: Person.**

The property was assessed under National Register of Historic Places **Criterion C** for its potential significance as a property which embodies the distinctive characteristics of a type, period, method of construction or style of Modern architecture, represents the work of a master architect, builder or craftsman, possesses high artistic values, or represents a significant or distinguishable entity whose components lack individual distinction. The building's style does not rise to a level of significance to qualify for the National Register of Historic Places. The building is not a good example of the work of a master architect or craftsman as the no persons associated with the design or construction were identified. Therefore, the building cannot be considered to represent the work of a master architect, builder or craftsman. **Therefore, the property does not appear to meet the criteria for significance under Criterion C: Architecture as a good example of Modern style architecture**.

The property was assessed under National Register of Historic Places **Criterion D** for its potential significance and its ability to convey information. The property does not yield, or may not be likely to yield, information important in prehistory or history. In order for buildings, structures, or objects to be significant under Criterion D, they need to "be, or must have been, the principal source of information." This is not the case with this property. **Therefore, the property does not appear to meet the criteria for significance under Criterion D: Information Potential.**

In summary, the property does not appear to qualify for the National Register of Historic Places under any of the above criteria. Therefore, the building is not considered to be an historic resource for the purposes of the NHPA. The property was not accessed for eligibility under the California Register or local San Diego Register eligibility.

State of California – The Resource Agency
DEPARTMENT OF PARKS AND RECREATION
CONTINUATION SHEET

Primary # _____
HRI#_____
Trinomial_____

Page 4 of 11 *Resource Name or # (Assigned by recorder) T-Mobile West LLC SD06190A/SD190 Garfield Building
*Recorded by K.A. Crawford/Crawford Historic Services Date December 20, 2013
Continuation X Update

T-Mobile West LLC SD06190A/SD190 Garfield Building
Garfield Building, 3949 Clairemont Drive, San Diego, CA 92117
View Southeast
December 20, 2013



State of California – The Resource Agency
DEPARTMENT OF PARKS AND RECREATION
CONTINUATION SHEET

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HRI#_____
Trinomial_____

Page 5 of 11 *Resource Name or # (Assigned by recorder) T-Mobile West LLC SD06190A/SD190 Garfield Building
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Continuation X Update

T-Mobile West LLC SD06190A/SD190 Garfield Building
Garfield Building, 3949 Clairemont Drive, San Diego, CA 92117
View North
December 20, 2013

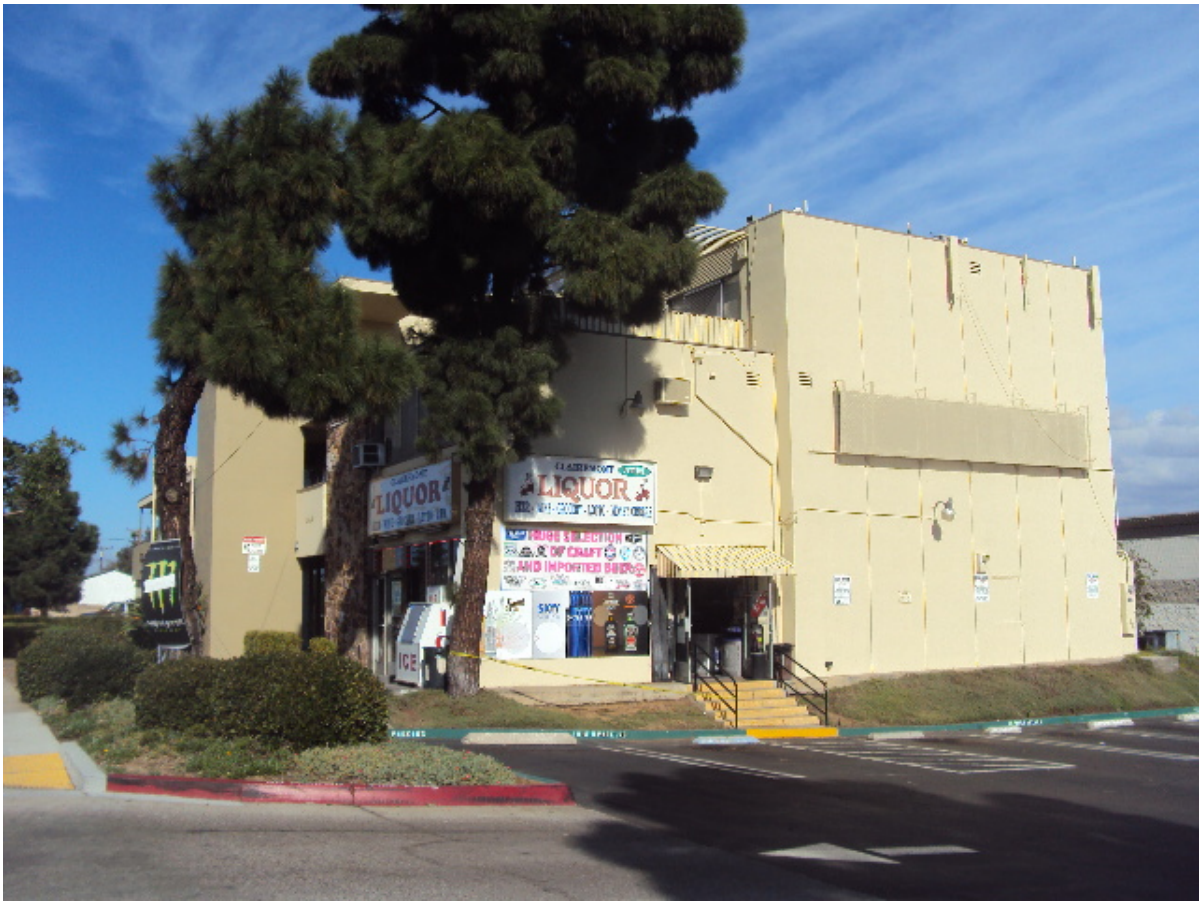


State of California – The Resource Agency
DEPARTMENT OF PARKS AND RECREATION
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HRI#_____
Trinomial_____

Page 6 of 11 *Resource Name or # (Assigned by recorder) T-Mobile West LLC SD06190A/SD190 Garfield Building
*Recorded by K.A. Crawford/Crawford Historic Services Date December 20, 2013
Continuation X Update

T-Mobile West LLC SD06190A/SD190 Garfield Building
Garfield Building, 3949 Clairemont Drive, San Diego, CA 92117
View North
December 20, 2013



State of California – The Resource Agency
DEPARTMENT OF PARKS AND RECREATION
CONTINUATION SHEET

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Trinomial_____

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*Recorded by K.A. Crawford/Crawford Historic Services Date December 20, 2013
Continuation X Update

T-Mobile West LLC SD06190A/SD190 Garfield Building
Garfield Building, 3949 Clairemont Drive, San Diego, CA 92117
View North
December 20, 2013



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DEPARTMENT OF PARKS AND RECREATION
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Trinomial_____

Page 8 of 11 *Resource Name or # (Assigned by recorder) T-Mobile West LLC SD06190A/SD190 Garfield Building
*Recorded by K.A. Crawford/Crawford Historic Services Date December 20, 2013
Continuation X Update

T-Mobile West LLC SD06190A/SD190 Garfield Building
Garfield Building, 3949 Clairemont Drive, San Diego, CA 92117
View Northwest
December 20, 2013



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Trinomial_____

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Continuation X Update

T-Mobile West LLC SD06190A/SD190 Garfield Building
Garfield Building, 3949 Clairemont Drive, San Diego, CA 92117
View South
December 20, 2013



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DEPARTMENT OF PARKS AND RECREATION
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Trinomial_____

Page 10 of 11 *Resource Name or # (Assigned by recorder) T-Mobile West LLC SD06190A/SD190 Garfield Building
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Continuation X Update

T-Mobile West LLC SD06190A/SD190 Garfield Building
Garfield Building, 3949 Clairemont Drive, San Diego, CA 92117
View South
December 20, 2013



State of California – The Resource Agency
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Page 11 of 11 *Resource Name or # (Assigned by recorder) T-Mobile West LLC SD06190A/SD190 Garfield Building

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Continuation X Update

T-Mobile West LLC SD06190A/SD190 Garfield Building
Garfield Building, 3949 Clairemont Drive, San Diego, CA 92117



Appendix D
Marston MS Project Plan



KEY NOTES

1. SITE SAFETY AND SECURITY

- 1.1 SINGLE POINT OF ACCESS
- 1.2 REPLACE ALL EXTERIOR WINDOWS AND BLINDS
- 1.3 NEW 10'-0" FENCING
- 1.4 UPGRADE COMMUNICATIONS SYSTEM
- 1.5 ELECTRONIC ACCESS / DOOR REPLACEMENT

2. RIGHT SIZE CAMPUS

- 2.1 REMOVE RELOCATABLE CLASSROOMS
- 2.2 DEMOLISH EXISTING BUILDING
- 2.3 NEW BUILDING

3. CODE COMPLIANCE

- 3.1 ADA - RESTROOMS
- 3.2 ADA - PATH OF TRAVEL
- 3.3 FIRE ALARM

4. MODERNIZATION

- 4.1 INTERIOR MODERNIZATION OF EXISTING FACILITIES (NEW FLOORING, NEW CASEWORK, CEILINGS, INTERIOR FINISH UPGRADE)
- 4.2 REPLACE OUTDATED i21 WITH NEW MOBILE WIRELESS SYSTEM
- 4.3 EXTERIOR MODERNIZATION OF EXISTING FACILITIES (PAINT AND LOUVER REPLACEMENT
- 4.4 LED LIGHTING)
- 4.5 MODERNIZATION OF EXISTING PHYSICAL EDUCATION FACILITIES)

5. FOOD SERVICES

- 5.1 MODERNIZE AND EXPAND KITCHENS, SERVING/DINING AREAS, STORAGE

6. SITE WORK

- 6.1 JOINT USE FIELD
- 6.2 ASPHALT PAVEMENT REPLACEMENT
- 6.3 STUDENT PICK-UP/DROP-OFF AND PARKING
- 6.4 SITE DRAINAGE / EROSION CONTROL

7. SPECIAL INITIATIVES

- 7.1 ROOFTOP HVAC EQUIPMENT SCREENING

LEGEND TABLE

(NOTE: FOR ADDITIONAL INFORMATION, REFER TO KEY NOTES AND GENERAL NOTES)

- MODERNIZED BUILDING STRUCTURE (OR PART OF IT)
- EXISTING BUILDING STRUCTURES (INCLUDES PORTABLES)
- NEW BUILDING CONSTRUCTION
- FIRE LANE
- TURF FIELD (ARTIF., NATURAL, LANDSC. AREAS, ETC.)
- SITE SCOPE NEW/ REPLACEMENT (CONCRETE, ASPHALT PAV., DG, PLAYGROUNDS, ETC.)
- PROPERTY LINE
- NEW FENCE AND GATES
- JOINT USE FIELDS (DEMARCATE AREA)
- BUILDING DEMOLITIONS
- LIGHT POLES
- TOTAL: 16 SECURITY CAMERAS (MOUNTED TO BLDG. WALL OR LIGHT POLE)

SITE SCOPE PLAN

SCALE 1"=50'-0"

N

REVIEWED BY
AUTHOR OF DRAWING — DATE
P.M. KNOWLEDGE WITH SIGNATURE — DATE

PREPARED FOR THE
BOARD OF EDUCATION
SAN DIEGO UNIFIED SCHOOL DISTRICT
SAN DIEGO, CALIFORNIA

PREPARED BY THE
FACILITIES, PLANNING AND CONSTRUCTION
PROJECT MANAGEMENT DEPARTMENT

PROJECT NAME: MARSTON MIDDLE SCHOOL: WSM

SCHOOL NAME AND ADDRESS:
MARSTON MS (6-8)
3799 CLAIREMONT SAN DIEGO, CA. 92117

SITE LOCATION NO. 320

FILE NAME

DATE 02/10/16 — DRAWN FR
REVISIONS 11/15/16 FR — CHECKED GC
SHEET NO. 2
OF 3 SHEETS



MARSTON MIDDLE SCHOOL PRE-SCHEMATIC ASSESSMENT

3799 Clairemont Dr. San Diego, CA 92117

SAN DIEGO UNIFIED SCHOOL DISTRICT

ROESLING NAKAMURA TERADA ARCHITECTS

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Section 2 : Site Assessment pg. **04**

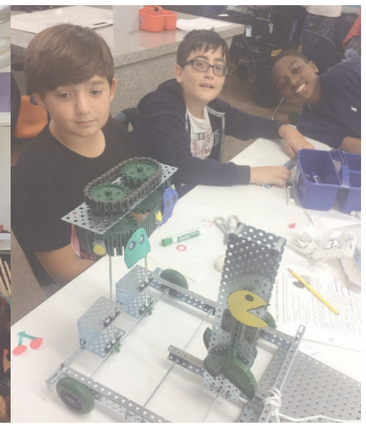
Section 3 : Project Scope pg. **33**

Section 4 : Preliminary Cost Estimate pg. **46**

Section 5 : Appendix pg. **53**

- 5.1 - Meeting Minutes
- 5.2 - Campus User Group Surveys
- 5.3 - Aerial Survey - Attachment
- 5.4 - Drainage Survey - Attachment
- 5.5 - Traffic Study - Attachment



ACKNOWLEDGEMENTS

The Pre-Schematic Design Phase has been made possible by the collaboration, guidance, and participation of the following people:

San Diego Unified School District

- Lee Dulgeroff, Chief Facilities Planning & Construction Officer
- Dave Koepcke, District Architect
- Francisco Campuzano, Project Management Supervisor
- German Rearte, Facilities Development Project Coordinator

Marston Middle School Staff

- Jon Gollias, Principal
- Marston MS Teachers and Staff (Attendees listed in Meeting Notes)

Parents and Community Participation

Special thanks given to parents and community members who participated in the presentations where they provided invaluable insight and design contributions to create a meaningful project for the students, community, and staff.

Design Team

Roesling Nakamura Terada Architects

- Chikako Terada, Principal in Charge
- Sharlene Angeles, Project Architect / Manager

Kimley Horn - Civil

- Megan Ulery, Project Manager
- Leonardo Espelet, Transportation Engineer

LandLAB - Landscape

- Neil Hadley, Project Principal
- Brian Garrett, Project Manager

KPFF Consulting Engineers - Structural

- Garrett Mifsud, Associate / Project Manager

MA Engineers - Mechanical/Plumbing

- Vince Vegas, Principal / Project Engineer

Turpin & Rattan Engineering, Inc. - Electrical

- Gary Kraut, Associate Principal / Project Manager

Jensen Hughes - Fire Protection

- Jim Madden, Senior Consultant

Food Service Design Group - Food Service

- Wen Ko, Senior Consultant
- Keith Leo, Project Manager

Southern California Soil & Testing, Inc. - Geotechnical

- Tom Canady, Principal Engineer

Ninyo & Moore - Hazardous Materials

- Nicolas Carpenter, Sr. Project Environmental Scientist

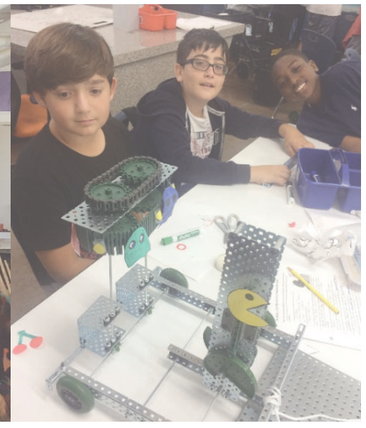
Hunter Pacific Group - Cost Estimating

- Celia Hunter, Principal
- Russell Prentice, Construction Cost Estimator











SECTION 1 :

Project Summary Narrative

SAN DIEGO UNIFIED SCHOOL DISTRICT

ROESLING NAKAMURA TERADA ARCHITECTS

Pre-Schematic Project Summary

Marston Middle School

The Marston Middle School Pre-Schematic Design Phase begins to establish the scope of Architectural and Engineering services for the Whole Site Modernization project. The Whole Site Modernization project is authorized under Propositions S, Z, and YY. These propositions endorse projects for school improvements that support student learning and instruction; support student health, safety and security; improve school accessibility/code compliance; improve major building systems through repair/replacement; support college career and technical education; and enhance the quality of neighborhood schools. The project will also support the goals and vision of San Diego Unified School District: "to design and construct clean, safe, environmentally friendly facilities that encourage successful teaching and learning."

The Pre-Schematic Design Phase collects detailed programming input and functional requirements from a series of meetings, including Design Task Force Meetings with community members, school staff, and District personnel.

This Pre-Schematic Phase also includes extensive field investigation and the compilation of detailed assessments that identify existing site and building conditions. Site assessment summaries are provided for each discipline: architectural, civil, landscape, structural, mechanical, plumbing, electrical, technology, fire protection, and food service.

The results and recommendations of this assessment are intended to provide a planning solution for the campus.

The Whole Site Modernization scope includes improvements in the following areas:

- Overall Campus Improvements
- Administration/Campus Identity Improvements
- Classroom Improvements
- Food Service Improvements
- Physical Education Facilities Improvements

The Whole Site Modernization scope also includes new construction of the following items:

- New Gymnasium
- New Joint-use Field
- New Parking/Drop-off Area



PRE-SCHEMATIC DESIGN MEETINGS

District/Campus Staff Meetings

- 12/19/17: Project Kickoff/Site Walk
- 01/10/18: WSM Scope
- 01/22/18: WSM Problem Solving
- 02/12/18: WSM Prelim. Design Concepts
- 02/15/18: WSM Scope Progress
- 03/20/18: Transportation, Food Service, Police
- 04/03/18: PPO, Low Voltage
- 04/20/18: City, Joint-use Field
- 07/10/18: Soils Testing Coordination
- 08/03/18: Special Ed. LI Relocation
- 09/07/18: Physical Education
- 10/04/18: HVAC Project Coordination
- 10/26/18: Drainage Study Review
- 12/12/18: Classroom Modernization
- 01/15/19: Food Service Scoping
- 01/30/19: Food Service Site Walk

** All Meeting Notes are located in the Appendix at the back of this Document*

COMMUNITY DESIGN TASK FORCE MEETINGS

WEDNESDAY

JANUARY 24, 2018

AGENDA

Discuss site conditions with the Task Force to develop list of scope items, incorporating goals identified in Prop S and Z.

- Goals
- Completed and ongoing scope of Prop S and Z
- Existing conditions

Time: **6:00 PM - 8:00 PM**

Location: Marston M.S.
Library, Rm 250
3799 Clairemont Dr.

WEDNESDAY

FEBRUARY 21,2018

AGENDA

Present design solutions to scope considerations based on dialogue from the first task force meeting and get feedback from the Task Force.

- Meeting 1 summary
- Site concepts
- Interior improvement concepts

Time: **6:00 PM - 8:00 PM**

Location: Marston M.S.
Library, Rm 250
3799 Clairemont Dr.

WEDNESDAY

MAY 16, 2018

AGENDA

Community workshop to discuss site conditions and potential scope for a new joint-use field, incorporating goals of the Play All Day initiative.

- Existing joint-use field and agreement
- Potential scope/needs
- New joint-use agreement

Time: **6:00 PM - 8:00 PM**

Location: Marston M.S.
Library, Rm 250
3799 Clairemont Dr.

THURSDAY

MAY 30, 2019

AGENDA

Present proposed scope for whole site modernization based on feedback from previous meetings and incorporating goals identified in Prop S, Z, and YY.

- Meeting 2 summary
- Whole site modernization scope summary

Time: **6:00 PM - 8:00 PM**

Location: Marston M.S.
Library, Rm 250
3799 Clairemont Dr.



SECTION 2 :

Site Assessment

Site Assessment: ARCHITECTURAL

Scope of Report

The following report evaluates the existing conditions pertaining to the Whole Site Modernization.

Procedure

The following outlines the approach of the assessments:

- Review the available Record Drawings.
- Field Condition Observations
- Review of San Diego Unified School District Guidelines and Standards.
- Meetings with San Diego Unified School Dist. personnel

Report

The result of the assessment is presented in the following format:

- General introduction
- Original Design
- Existing Conditions
- Recommendations

General Introduction

Marston Middle School is located at 3799 Clairemont Dr., San Diego, CA 92117. The site is divided into two levels due to site topography: the main campus level and the upper field level. The main campus is comprised of six permanent buildings (100-600) that were part of the original design, and the upper level is comprised of D.G. athletic fields, asphalt paved hard courts, and portable classrooms that were later added to the campus. The school serves grades 6 through 8, and has a current enrollment of about 700 students. In recent years enrollment has decreased as nearby charter schools and other school options have attracted students away. The School District and campus administration aim to increase enrollment by attracting new students with new facilities and a renovated campus displaying a strong community presence.

Original Design

The original Marston Middle School campus was designed by Danish immigrant and master architect, Herluf Brydegaard, and was constructed in 1957. It is located in the Clairemont subdivision, which was once San Diego's largest post-war subdivision and still exhibits modern concepts of suburban/community living to this day. The overall design of the campus displays the modern ranch style of its time and place, and the buildings feature industrial-type window openings, brise-soleil elements, and connections to open courtyards. The campus is composed mostly of one-story structures with low sloping roofs and interconnecting walkway canopies that create a connection between the buildings. Classrooms are oriented towards beautifully landscaped courtyards via walls with expansive glazing, and the buildings utilize passive sustainability concepts, such as natural daylighting and natural ventilation. The essence of the original campus design will have influence and will be respected in the approach towards the modernization of the campus.



Current aerial map of overall Marston Middle School campus.



Marston Middle School campus entrance at administration building, displays industrial-type windows and mid-century stacked brick.



South Clairemont Public Library, located 1.5 miles south of Marston Middle School, also designed by Herluf Brydegaard in modern ranch style.



EXISTING CAMPUS PROGRAM

- ADMINISTRATION
- CLASSROOMS
- SCIENCE / ENGINEERING
- PHYSICAL EDUCATION
- MUSIC / THEATER
- MULTI-PURPOSE / LIBRARY
- FOOD SERVICE
- AFTER SCHOOL PROGRAM
- FACULTY
- SPECIAL ED. LOW INCIDENCE

NOT TO SCALE

***MARSTON MIDDLE SCHOOL** - EXISTING CAMPUS PROGRAM*

SAN DIEGO UNIFIED SCHOOL DISTRICT

ROESLING NAKAMURA TERADA ARCHITECTS

Overall Campus

Existing Conditions: Multiple building/campus elements were identified as elements that make the campus look dated. The buildings still have the original aluminum louvers that are attached at the edges of the overhangs and span continuously along much of the building facades. The buildings also exhibit an outdated color scheme and are connected with several old chain link fences and old conduit runs along the fences and overhangs.

All six buildings also have the original wood and steel frame windows and doors from 1957. The single pane glass makes the windows very drafty and inefficient, and the window components are also in disrepair. The glazing putty around the glazing is deteriorating, causing safety and security hazards for the staff and students.

The door hardware and door thresholds are inconsistant throughout the campus and many are not ADA compliant. Existing door thresholds were measured between 3/4" to 1" on average. There are also portions of exterior walkways that are not accessible, with cross slopes that are greater than 2%.

Most of the restroom facilities on campus have not been upgraded to meet current ADA accessibility standards. Staff restrooms at Buildings 100, 200, 500, and 600 have been identified as not being ADA compliant, and student restrooms at Buildings 200, 300, 400, and 600 have also been identified as not being ADA compliant. Many are missing accessible stalls with proper ADA clearances, and consist of outdated fixtures, accessories, and toilet partitions.

There are ten (10) existing portable buildings located on campus, with four that are used as support classrooms/ restrooms for the P.E. program, and six that are occupied by District Special Ed. Low Incidence staff.



Outdated aluminum louvers cover up much of the building exteriors.



New HVAC equipment installed on the rooftops looks unattractive.



Student restroom facilities are not up-to-date with current accessibility codes; missing accessible stalls with proper ADA clearances.



Portable classroom/restroom buildings at upper field level used for P.E. program.

The recent "HVAC 2000" project has also introduced some newer building elements that have impacted the overall appearance of the school. The newly installed HVAC equipment on the building rooftops is perceived to make the buildings look less attractive, and is out of character for the mid-century ranch style buildings.

Recommendations: Remove outdated aluminum louvers from building facades, replace all exterior windows and doors, and update paint/color scheme for all buildings. Also, add modern, aesthetic rooftop screens to screen the new HVAC equipment from prominent views, and remove all portable buildings from the site. These concepts should collectively help enhance the campus curb appeal along Clairemont Dr. and Ute Dr.

Non-ADA compliant restroom conditions and door thresholds should also be addressed as part of the alterations scope for Bldgs 100-600 in order to ensure compliance with accessible path of travel requirements and accessible toilet facilities serving the areas of work (per current Codes).

Administration - Building 100

Building 100 is a single story wood-framed building with some structural steel elements, and a plaster finish with some brick veneer features on the facade. The building has wide overhang roofs that form the continuous covered walkways all around, and walls with expansive glazing that create visual connections between the interior and the exterior, as well as between some of the interior spaces.

The Administration program is currently divided into four areas that are separated by the glazed walls or plaster/brick veneer walls, and the interior finishes are outdated. The campus administrative staff have requested a more open/welcoming space between the Lobby/Reception and the Offices, and an improved connection between the Counseling and Student Services areas. Also, the existing campus signage located on the brick veneer of



View of Administration Building/campus entrance from across Clairemont Dr.



Campus signage at Administration Building difficult to read from street.



Administration Lobby/Reception interior.



Student Services area, currently combined with campus security office.

the Admin. Building can be difficult to read from the street.

Recommendations: Modernize interior finishes at Administrative spaces, and work with the campus administrative staff to develop a more open and inviting layout, that also improves functionality and security for staff and students.

Upgrade the school signage at the Admin. entrance to be more modern and more legible from the street, to enhance the curb appeal and campus identity within the community.

Classrooms - Buildings 100-400

Buildings 100-300 are all single story wood-framed buildings with some structural steel elements, and a plaster finish. These buildings are comprised of typical classrooms, science classrooms, art classrooms, vocational classrooms, the Library, and other supportive spaces. The Classroom buildings are laid out in a linear/axis configuration, and are connected by continuous walkway canopies and landscaped courtyards. Building 400 is a split level wood-framed building with some structural steel elements, and a plaster finish. This building consists of the music classrooms at the lower level, and the Auditorium at the upper level.

At approx. 750 SF, the typical classrooms are less than the standard 960 SF classroom size (per CDE), but feature high sloping ceilings (13'-6" at the highest point) with expansive glazing along one side and a skylight feature on the other. The tall windows span much of the length of the classrooms and offer ample natural daylighting and a visual connection to the exterior courtyards.

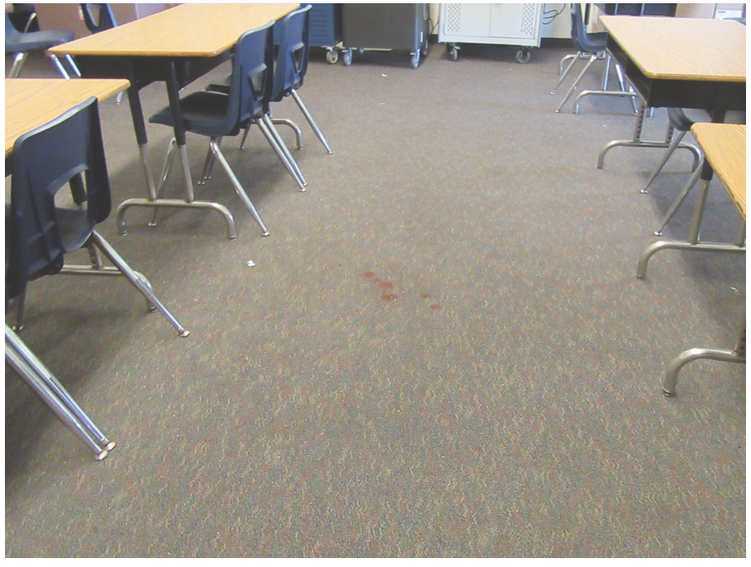
The classrooms generally have undergone minimal interior renovations over the years. The interior finishes, such as paint, ceiling tiles, and flooring, are outdated and showing signs of wear. The finishes are generally in moderate condition; however, many have tested positive for containing hazardous materials (lead and asbestos), as shown in pre-



Typical classroom teaching wall with wall-mounted conduit/raceway.



Typical classroom with discolored VCT flooring and missing wall base.



Typical classroom with noticable carpet stains.



Typical classroom window wall (existing single pane windows).

vious testing reports. The original built-in casework is also outdated and showing signs of deterioration, and is not ADA compliant. In several areas of the science classrooms, the countertop/island surfaces are delaminating as well. Many of the classrooms are missing wall base, some areas of VCT flooring are discolored and mismatched, and some areas of carpet exhibit noticeable staining.

The existing single-pane windows, which are original to the school, are drafty and inefficient, and most of them have glazing putty that is damaged and deteriorating. The door threshold conditions are largely not ADA compliant, and the existing skylights have old polycarbonate that has scratched and yellowed over time.

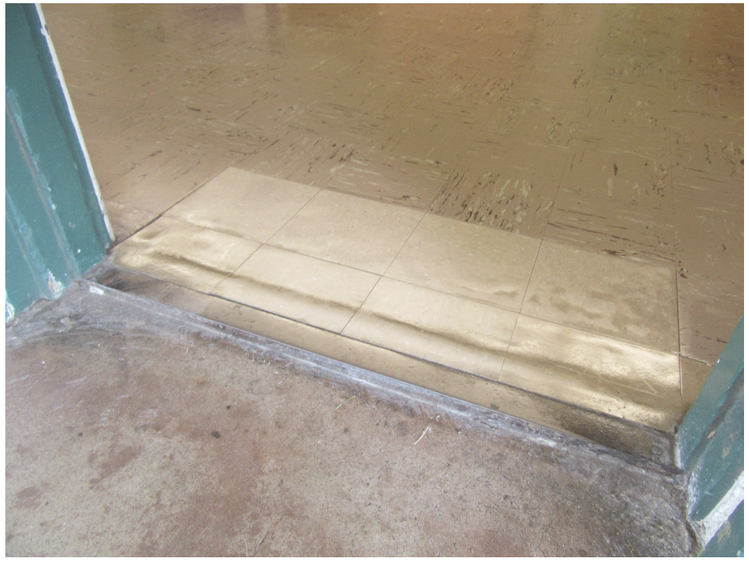
Existing interior light fixtures are inefficient by current energy code standards, and extensive wall-mounted conduit/raceway that has been installed over time on much of the classroom walls looks unattractive. All of the classrooms have also undergone a recent renovation, in which new HVAC systems have been installed to enhance indoor thermal comfort. However, most of the ductwork is exposed below the ceilings and has become another unattractive feature within the classroom spaces.

Recommendations: Modernize interior finishes at all classroom spaces to achieve a more comprehensive result for the campus modernization. Remove and replace finishes that contain hazardous materials to the greatest extent possible to provide a safe and healthy environment for the students and staff.

Enhance the classroom environment by providing specialized ceiling and wall treatments to help conceal exposed ductwork and wall-mounted conduit/raceway. Explore concepts for modular wall panel systems that can incorporate new writable/tackable/display surfaces for enhanced flexibility in instruction. Remove outdated built-in casework and design for furniture/storage systems that offer greater flexibility. Replace all windows and doors,



Typical classroom with new exposed ductwork installed below ceiling.



Typical classroom door threshold at VCT flooring (non-ADA compliant).



Condition of typical glazing putty at existing windows (deteriorating).



Typical science classroom island (countertop damaged/delaminating).

and provide upgrades necessary for achieving ADA compliance and the required accessible path of travel.

Food Service - Building 500

Building 500 is a single-story wood-framed structure with some structural steel elements, and a plaster finish. This building consists of the MPR/Dining area and the Kitchen area, which is about 4,400 sf. The Kitchen at Marston Middle School is a production kitchen that currently serves about 300 students on campus, and also serves 13 other school sites within the District.

The current layout of the Kitchen area is not efficient for a modern production kitchen, and the existing walk-in freezer and cooler are not adequately sized for this use. Currently the kitchen staff is using the Staff Dining area for storage of carts for other school sites. Also, the existing staff restroom is also not adequately sized to accommodate ADA accessible clearances.

The existing interior finishes are outdated and the VCT flooring is in poor condition. The Kitchen area does not have the District's standard 3-compartment sinks, and much of the existing kitchen equipment is generall outdated The existing exhaust hoods and fire suppression system over the main cooking equipment are no longer code compliant.

Recommendations: Modernize interior finishes, such as paint and flooring, at the Kitchen and Dining areas. Create a more upscale dining environment, with nutritional graphics and cooking on display, to make it more appealing for students. Design priorities for the Food Service areas should focus on safety and functionality, and should support the District's goal in providing healthy school meals. Create a more efficient layout for the food prep and storage areas and enlarge the areas for walk-in freezers/coolers with minimal impacts to the existing structure. Also enlarge staff restroom to achieve ADA compliance.



Condition of existing kitchen equipment; outdated exhaust hood.



Condition of existing kitchen equipment; missing 3-compartment sinks.



Typical condition of existing flooring at Kitchen.



Existing Kitchen food prep/storage areas.

Replace kitchen equipment to meet current District standards, as well as Health and Building Codes.

P.E./Locker Rooms - Building 600

Building 600 is a single-story wood-framed structure with some structural steel elements, and a plaster finish. This building consists of the Locker Rooms and support spaces, as well as a newly renovated Fitness Center.

The existing concrete and terrazzo flooring is in adequate condition, but the existing P.E. lockers and aisle benches are damaged in poor condition. Some aisles are too narrow, with little room between the benches and lockers. The layouts of the shower areas in the Locker Rooms do not provide for ADA accessible shower stalls, and the fixtures are outdated as well. There are also too many student showers, and the ball/equipment storage areas are not large enough. The P.E. staff are using the oversized shower areas for additional ball/equipment storage because the students are no longer using the showers during P.E. classes.

Staff and student restrooms at the Locker Room building are also outdated and do not comply with ADA accessibility requirements. Also, much of the existing fixtures and toilet partitions have been poorly maintained. The P.E. program at Marston Middle School is currently utilizing (4) portable buildings at the upper field level as support spaces for indoor activities/cognitive lessons, but these portables are not in the campus/District long-term plans. Additional indoor P.E. activity space is needed.

Recommendations: Upgrade Locker Rooms, shower areas, and staff/student restrooms to meet ADA accessibility requirements, and upgrade interior finishes and fixtures as required. Replace existing lockers and aisle benches, and accommodate ADA accessible locker spaces. Remove existing portable buildings and provide additional space for indoor P.E. activites (ie: New Gymnasium).



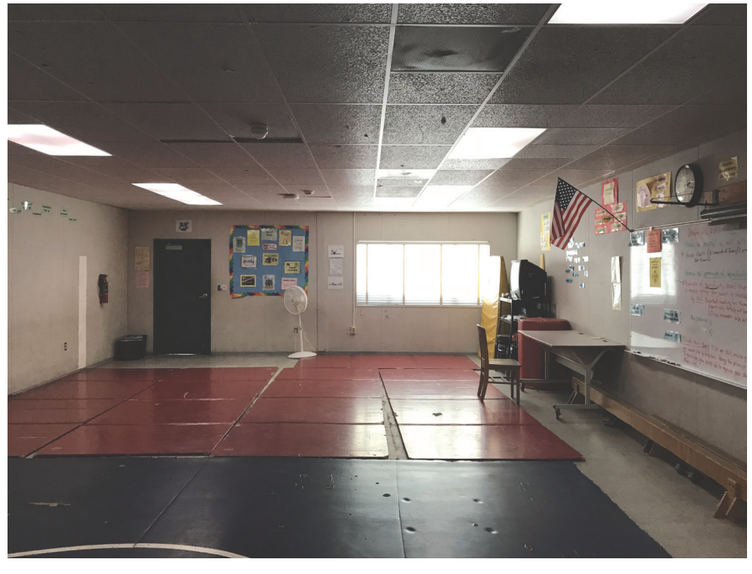
Condition of existing lockers at Boys' Locker Room.



Existing showers at Boys' Locker Room (being used for storage).



Condition of toilet partitions at Locker Rooms. Restroom layouts not ADA compliant.



Existing portable classroom used for indoor P.E. activities.

Site - Play Fields

The existing play fields at Marston Middle School consist of the upper level D.G. play fields with adjacent asphalt hard courts, and the lower level D.G. play fields, which are part of a current joint-use agreement with the City. Existing baseball infield, backstop, bleachers, light poles, and storage container are part of the existing agreement.

Due to inadequate maintenance for the baseball dirt infield and the D.G. play fields over the years, the D.G. is too compacted and the surface is not suitable for P.E. students using the fields everyday for P.E. activities. There are issues with over-compacted D.G. at the upper and the lower field levels. Poor drainage conditions at the lower play fields also present significant safety hazards for the students. There is significant erosion at the baseball infield area, which causes many student injuries, according to P.E. staff. Some areas of the field have erosion "valleys" that are several inches deep. There are additional drainage/ erosion issues along the slope between the upper and lower play fields, and there are drainage issues at the upper hard courts as well.

The school also uses existing sand pits (adjacent to the lower level fields) for long jumps, fitness testing, and circuit training. P.E. staff provide chalk lines for activities on the field depending on the type of activity.

Recommendations: Provide natural turf play fields in lieu of the existing D.G. fields. Adding natural turf (along with the base courses and drainage required) should help alleviate some of the drainage issues at the lower field level. Amend the existing joint-use agreement or start a new agreement with the City that is in line with the City/District's "Play All Day" initiative. Provide a perimeter walking track for the school and community to use. Provide maintenance access for the new joint-use field from the adjacent community park/rec center. Re-surface the existing asphalt hard courts and provide new striping.



Aerial perspective of existing joint-use field



Existing conditions of joint-use baseball infield and D.G.



Existing conditions near joint-use baseball infield (erosion)

Site - Parking / Drop-off

Marston Middle School currently has two staff/visitor parking lots, with a total of 47 on-campus parking spaces. One is located at the corner of Clairemont Dr. and Ute Dr. which is a very busy intersection during peak traffic times, and the other is located off of Ute Dr. and doubles as an unofficial student drop-off/pick-up area.

Vehicular traffic is an ever-present condition during drop-off and pick-up hours. Traffic is partly due to the traffic light timing and sequencing at the Clairemont Dr. and Ute Dr. intersection. But the existing vehicular ingress/egress and arrangement also create multiple pedestrian and vehicular conflicts during the drop-off and pick-up times.

The majority of student drop-off's and pick-up's (from cars and from buses) occur off-site, along Clairemont Dr. and Ute Dr., which causes hazardous conditions when drivers make illegal u-turns to get back to Clairemont Dr. during peak traffic times. The drop-off's and pick-up's that occur onsite at the parking lot off of Ute Dr. also cause traffic congestion in the parking areas. Because of the traffic and the lack of onsite parking available, much of the school staff end up parking off-site in the adjacent neighborhood.

Recommendations: Provide additional on-campus parking to accommodate all staff and visitors. Enlarge the parking/drop-off area on campus and design a new layout for drop-off/pick-up area that is more efficient. Utilize existing driveways along Ute Dr. for ingress/egress to avoid costly off-site improvements that may be requested by the City. Create a new, enhanced campus entrance for students from the new parking/drop-off area, and integrate the new entrance with the existing circulation axes within the campus. Upgrade existing stair, accessible ramp, and associated retaining walls as required. Also, add attractive landscaping elements along Ute Dr. and Waco St. to give the campus some additional visual/curb appeal.



Existing parking lot at Clairemont Dr. and Ute Dr. 3-min. passenger loading and fire lane along Ute Dr.



Hazardous vehicular u-turns along Ute Dr. during pick-up time.



Vehicular traffic/congestion along Ute Dr. during pick-up time.



Existing parking lot off of Ute Dr.

Site Assessment: CIVIL

Scope of Report

The following report evaluates the civil site observation pertaining to the Whole Site Modernization. The assessment is organized by the following categories:

- Grading / Drainage
- Storm Water
- Traffic / Parking

Procedure

The following outlines the approach of the assessment:

- Review the available Record Drawings.
- Field Condition Observations
- Aerial/Boundary Survey
- Drainage Survey
- Review of San Diego Unified School District Guidelines and Standards.
- Meetings with San Diego Unified School Dist. personnel

Report

The result of the assessment is presented in the following format:

- Existing Conditions
- Recommendations

Grading / Drainage

Existing Conditions:

The existing property is terraced where the east side of the property, with the sports courts, decomposed granite play fields and portable classrooms, sits higher than the adjacent west side of the property, with the school campus and addtional decomposed granite field. The sloped landscaped area between the east and west side is where a majority of the grade difference is made up.

The campus within the northwest corner of the property, which lies north of the fields and west of the portable classrooms, drains west to an existing curb outlet structure on the east side of Clairemont Drive. The campus conveys runoff to the outlet structure through a series of storm drain pipes (14" diameter or smaller), grated inlets, roof drains and ribbon gutters.

The remainder of the existing property generally sheet flows from the northeast corner to the southwest corner of the site. There is a combination of concrete drainage ditches, grated inlets and storm drain pipes (8" diameter) that assist in conveying flows to a curb outlet structure on Clairemont Drive at the southwest corner of the site. Erosion has been noted on the north and upstream side of each staircase that joins the east and west sides of the property.

Recommendations:

The intent of the campus renovations is to update the walkways adjacent to the buildings and doorways that are being modernized as part of the project. These walkways will be replaced for accessibility compliance only and will follow the existing drainage patterns.

The remainder of the site will continue to drain from northeast to southwest in the existing concrete ditches,



Existing conditions at concrete drainage ditch at top of slope

grated inlet and storm drain pipes and discharge to Clairemont Drive. To reduce the erosion north of each stairwell, the ditch height will be increased, and an emergency drainage ditch will be designed adjacent to the stairs to allow ponding water to escape to the lower elevation on the west side and to the nearest storm drain inlet or concrete ditch. Additional storm drain infrastructure and inlets will be included in the new parking lot and student drop off area in the northeast corner of the site and will join with the campus drainage infrastructure east of the cafeteria. Underdrains for the natural turf fields will be included in the subsurface drainage design of the joint use field area and additional storm drain infrastructure and inlets will be included to convey runoff to the existing curb outlet in Clairemont Drive.



Existing asphalt paving and D.G. at upper field level

Storm Water

Existing Conditions:

Many of the internal campus walkways are sloped to drain to grass landscape buffers for impervious to pervious dispersion for stormwater quality. It does not appear that the existing property has additional stormwater quality treatment features implemented on site.

Recommendations:

Since the nature of the campus walkway improvements is for accessibility compliance only, is covered by the existing roof overhang, and does not come in contact with storm water runoff, it is assumed that storm water treatment will not be required by the City. If treatment were to be requested by the City, treatment of the rooftop above the walkways being replaced may be achieved by installing a modular wetland system to intercept roof drainage above ground. The treated runoff can then be discharged into the existing concrete ribbon gutters and grated inlets and conveyed off-site to Clairemont Drive

The landscaped portion of the proposed parking lot and student drop off area will be designed to include a stormwater quality biofiltration basin for treatment of runoff in the parking lot prior to entering the existing campus storm drain system. An above ground modular wetland system can be implemented for storm water treatment for the proposed gymnasium. Roof drains from the gymnasium can be routed to one or two above ground modular wetland units and discharge at grade to be conveyed by the existing concrete ditches on site to the ultimate discharge location in Clairemont Drive. Coordination throughout the design of the gymnasium roof drainage will dictate if one or two modular wetlands will be appropriate for treatment.

Infiltration potential will be determined after the design



Existing conditions at slope between upper and lower fields (erosion)

team completes a geotechnical evaluation. Connections to the existing system will not be required if the biofiltration basin locations can support full stormwater infiltration.

The proposed joint field will be comprised of natural turf and will be considered self-treating, and will not require additional stormwater quality design.

Traffic / Parking

Existing Conditions:

There are two small parking lots within the school property. One is in the northwest corner of the site with one driveway on the east side of Clairemont Drive and the other on the south side of Ute Drive. The second parking lot has two driveways on the south side of Ute Drive and is located just east of the existing auditorium. Maintenance access is provided in the northeast corner of the site on Ute Drive just west of Waco Street.

Recommendations:

The parking lot in the northwest corner of the site will not be improved as part of the modernization project unless improvements are triggered by other parts of campus improvements. The second parking lot on the south side of Ute Drive will be reconfigured to accommodate a circular turning movement for student drop off while utilizing the sites existing driveways on Ute Drive. The lot will contain both parking spaces and a student drop off lane. It is assumed that no improvements within the public right-of-way will be required as part of this project. Improvements excluded from the project scope include reconstruction or new construction of sidewalk, gates, fences, drainage features and driveways within the public right-of-way.



Portion of adjacent community park to the South to be proposed as an additional bio-filtration area.



Existing grated inlet at Southwest corner of property.

Site Assessment: LANDSCAPE

Scope of Report

The following report evaluates the landscape conditions pertaining to the Whole Site Modernization. The assessment is organized by the following categories:

- Hardscape/Grading
- Planting
- Irrigation

Procedure

The following outlines the approach of the assessment:

- Review the available Record Drawings.
- Field Condition Observations
- Review of San Diego Unified School District Guidelines and Standards.
- Meetings with San Diego Unified School Dist. personnel.

Report

The result of the assessment is presented in the following format:

- Existing Conditions
- Recommendations

Hardscape/Grading

Existing Conditions: The paving throughout the site is primarily uncolored concrete. By visual survey there are numerous areas where the paving exceeds allowable cross slopes (2%) and should be considered for replacement. This is especially true in several of the open "plaza" areas. These areas will be further identified through the Civil Engineer's surveys. There are deficiencies in the widths of some of the entry and drop-off areas as well as confusing and circuitous routes for accessible access to the campus and joint-use field.

Recommendations: New paving and accessible routes will be achieved through grading modifications and new circulation paths between the main campus, the new drop-off and the joint use field. The design will scale the widths of new paths to accommodate peak flows for daily pickup and drop-off as well as for events at the new gym. Efforts will be taken to minimize ramps and stairs where possible. However, because of the significant grade change across the site, modifications to existing or replacement of stairs and ramps may be necessary. Concrete will be finished to match existing in the areas where repair is required and will have a "Light Sand" finish in the new areas. As part of the hardscape improvements, the grading of paved areas will be adjusted to sheet flow toward the new bioswales and drainage BMP's.

Planting

Existing Conditions: Overall the campus planting is primarily grass in the open areas with some foundation shrubs at the library and administration buildings. There are many mature trees on site which provide a nice character to the campus, good shade to the students and passive cooling to the structures. There is an existing decomposed granite recreation field which will be converted to a joint use natural turf field as part of the project.



Existing landscaping and mature trees add attractive character.



Existing hardscape and landscaping between classroom buildings.

Recommendations: The trees have not been individually evaluated, but the new design will take efforts to maintain all healthy trees in place while implementing the new bioswales and planting areas. Turf areas will be preserved and restored where appropriate (recreational and functional areas) and turf removal and replacement with lower water use options will be presented to the District for evaluation and analysis. All new planting will be selected for low water and maintenance requirements, primarily natives, while complimenting the existing character of the campus. Educational areas such as native plant, pollinator, bioswale gardens may be included in the design to facilitate the science curriculum and provide space for seasonal observations and environmental education.

The existing surface of the decomposed granite recreation field will replanted with sport field grass. The existing surface will be topped by approximately 12" of import soil appropriate for high use sports fields. Modifications will be made to the existing surface to enhance subsurface drainage of the new field. This field will serve as a "Joint-use" field shared between the City of San Diego and the school.

New planting may also be selected to enhance the curb appeal along Ute Dr. and Waco St. (around the proposed parking and drop-off area), and to treat the sloped area between the upper D.G. fields and the lower fields that will be converted to a natural turf joint-use field.

Irrigation

Existing Conditions: The existing irrigation system has not been thoroughly analyzed but consists primarily of overhead spray irrigation for the turf areas. Efforts will be taken to preserve the majority of the system while upgrading components to improve efficiency. The school site does not currently have a central irrigation system.

Recommendations: Irrigation upgrades to the existing system will focus on overall water use reduction and may include but are not limited to controller updates, spray head replacement, weather and moisture sensing equipment. New valves may need to be added for new bioswales and stormwater BMP areas. All new systems will meet the current District specs for irrigation type and equipment. For the Joint Use field, coordination between the District and the City Parks will be necessary to ensure that the point of connection, irrigation system components and controller access will meet all applicable requirements.



Existing condition of slope along Waco St.



Existing condition of slope between upper and lower D.G. play fields.

Site Assessment: STRUCTURAL

Scope of Report

The following report evaluates the existing structural conditions pertaining to the buildings included Whole Site Modernization. The assessment is inclusive of the following existing buildings:

- Building 100 (Admin)
- Buildings 100-300 (Classrooms)
- Building 400 (Auditorium)
- Building 500 (Food Service)
- Building 600 (P.E./Lockers)

Procedure

The following outlines the approach of the assessments:

- Review the available Record Drawings.
- Field Condition Observations
- Review of San Diego Unified School District Guidelines and Standards.
- Meetings with San Diego Unified School Dist. personnel

Report

The result of the assessment is presented in the following format:

- General
- Existing Conditions
- Recommendations

General:

All six (6) existing buildings should be categorized as type V-B construction, per the 2016 California Building Code. The structures are generally characterized as post and beam construction, and they have relatively low-pitched roof slopes.

Building 100 (Admin)

Single story office and classroom building. Height: 14'-6" (to top of ridge)

Existing Condition: This building is comprised of plywood sheathed shear walls for the lateral force resisting system. The gravity system is comprised of wood beams and wood joists framing to bearing walls and wood posts. The tall interior glazed walls at the Admin area feature some steel elements for addtional structural support. The existing roof is sheathed with plywood sheathing. This building does not appear to have any major structural modifications to the original building structure.

Buildings 100-300 (Classrooms)

100-300: Single story classroom buildings. Height: 14'-6" (to top of ridge) (16'-0" at Building 100 vocational classrooms)

Existing Condition: These buildings are comprised of plywood sheathed shear walls for the lateral force resisting system. The gravity system is comprised of wood beams and wood joists framing to bearing walls and wood posts. The taller volume of the vocational classrooms at Building 100 features some steel elements for addtional structural support. The existing roof is sheathed with plywood sheathing. This building does not appear to have any major structural modifications to the original building structure, except at the north side of Building 200 where an addition was added to accommodate a larger Library.

Building 400 (Auditorium)

400: Split level Auditorium and music classroom building. Height: 35'-0" (to top of roof above music classrooms)

Existing Condition: This building is comprised of plywood sheathed shear walls for the lateral force resisting system. The gravity system is comprised of wood beams and wood joists framing to bearing walls and wood posts. The taller volume of the Auditorium features tapered steel beams supported by steel wide flange and pipe columns for additional structural support. The existing roof is sheathed with plywood sheathing. This building does not appear to have any major structural modifications to the original building structure.

Building 500 (Food Service)

Single story cafeteria building. Height: 16'-0" (at MPR/ Dining area)

Existing Condition: This building is comprised of plywood sheathed shear walls for the lateral force resisting system. The gravity system is comprised of wood beams and wood joists framing to bearing walls and wood posts. The taller volume of the MPR/Dining Room features some steel elements for addtional structural support. The existing roof is sheathed with plywood sheathing. This building does not appear to have any major structural modifications to the original building structure.



Existing Administration Building (100).

Building 600 (P.E./Lockers

Single story P.E. locker room building. Height: 16'-0" (at north side of building)

Existing Condition: This building is comprised of plywood sheathed shear walls for the lateral force resisting system. The gravity system is comprised of wood beams and wood joists framing to bearing walls and wood posts. The taller volumes of the Locker Rooms and Fitness Center feature some steel elements for addtional structural support. The existing roof is sheathed with plywood sheathing. This building does not appear to have any major structural modifications to the original building structure.

Recommendations

It is assumed that the extent of the proposed modernization to these buildings does not require a full seismic evaluation and will not trigger any code retrofits per the 2016 California Building Code with DSA amendments. However, it is anticipated that existing joists and beams would require retrofitting if major modifications were to be proposed for existing shear walls. If the existing shear walls were to be reduced by the proposed design, or if 10% of the building weight were to be added at the roof, a seismic retrofit evaluation and design would then be required. It is not anticipated that any major length of shear walls, beams, joists, posts, and walls for gravity framing will be removed at part of the modernization scope; however, the design team should carefully consider proposed scope items at the building roofs that could add additional weight.

New HVAC systems, including new rooftop units, have already been incorporated at all six (6) buildings as part of the District's recent "HVAC 2000" project, and new rooftop mechanical screens are proposed to be included in the scope for the whole site modernization project. The proposed mechanical screens will need to be carefully designed, analyzed, and coordinated with the Architect, because the design solution will need to consider the structural impacts from the additional weight and wind loads at the roofs. Proper anchorage to the existing roofs will also need to be coordinated with the Architect.



Existing Classroom Building (300).



Existing Food Service Building (500).

Basis of Design: MECHANICAL

Scope of Report

The following report evaluates the mechanical conditions pertaining to the Whole Site Modernization. The assessment is inclusive of the following existing buildings:

- Building 100 (Admin)
- Buildings 100-400 (Classrooms)
- Building 500 (Food Service)
- Building 600 (P.E./Lockers)

Procedure

The following outlines the approach of the assessment:

- Review the available As-Built Drawings.
- Field Condition Observations
- Review of San Diego Unified School District Guidelines and Standards.
- Meetings with San Diego Unified School Dist. personnel

Report

The result of the assessment is presented in the following format:

- System Criteria
- Existing Conditions
- Recommendations

HVAC System Criteria

The majority of the HVAC systems on this campus have been replaced and/or supplemented by the district wide "HVAC 2000" project.

According to the latest edition of the American Society of Heating, Refrigerating and Air- Conditioning Engineers (ASHRAE) Applications Handbook the median service life for a roof-top air conditioner is 15 years. Centrifugal fans have a median service life of 25 years per the same criteria. Operation in a marine environment may reduce those life expectancies.

The branch flexible ducts are also past their service life and could potentially begin to pose indoor air quality concerns. It would be recommended to replace any flexible ducts older than 15 years old. These ducts would also now be limited to no more than 5' per todays code. New sheet metal ducts would need to be added to make up the difference. Many of the diffusers are dirty and appear to be past their service life. These could be cleaned, but typically the cost of replacement is lower than the cost of rehabilitation.

Building 100 (Admin)

Existing Conditions:
Building 100 is an Administration space with multiple single zone rooftop units (RTU) serving various spaces through exposed ductwork distribution and ceiling registers and grilles.

Recommendations:
Expected to modify this building to accommodate new office layouts.

Replacement of the existing packaged air conditioning units that are sized for the current layouts may need to be considered where office layouts/mechanical zoning are



Existing Reznor heating equipment at Building 100.

are proposed to be significantly modified. New units should have economizers, modulating powered exhaust, and DCV.

New exhaust fans will be required based on updated architectural layouts. New ducts, condensate and gas piping will also be required based on updated architectural layouts. Provide a new control system for the air conditioning units and all zones associated with the units.

Buildings 100-400 (Classrooms)

Existing Conditions:
Buildings 100, 200, 300, and 400 (lower level only) are classroom buildings with multiple single zone rooftop units (RTU) serving various spaces through exposed ductwork distribution and ceiling registers and grilles.

Recommendations:
The classroom buildings are expected to only receive minor updates to the floor plan.

Replace the exhaust fans and balance all air flows to meet system requirements. Consider replacing existing Reznor HV units that have not been upgraded as part of the "HVAC 2000" project. Remove any abandoned mechanical equipment. Provide a new control system for the exhaust fans and all zones associated with the units.

Building 500 (Food Service)

Existing Conditions:
Building 500 is a cafeteria with multiple Reznor gas fired heat/vent units serving various spaces. Air distribution is routed through concealed and exposed ductwork and ceiling and duct mounted grilles. The kitchen area is heated and ventilated by Reznor HV units. These units use a natural gas fired duct furnace for heating. Temperature control for these zones is achieved by wall mounted thermostats.

Recommendations:
This building is expected to only receive minor updates to the floor plan.

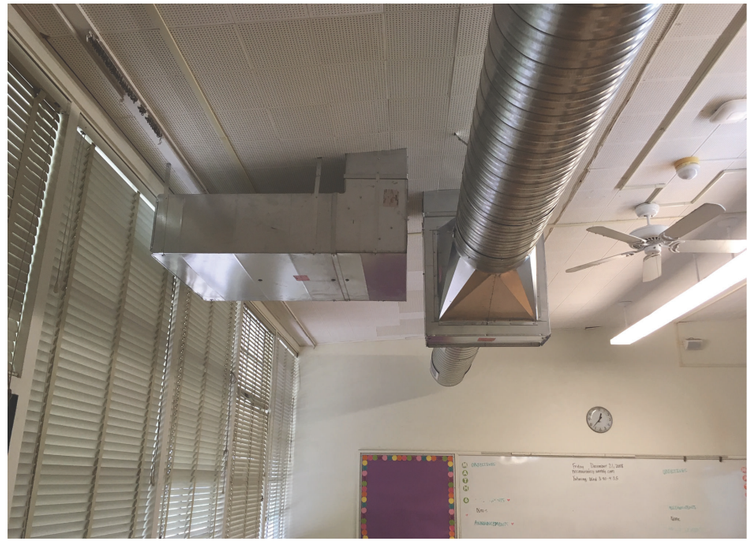
Consider replacing existing Reznor HV units that have not been upgraded as part of the "HVAC 2000" project. Modify ductwork based on updated architectural layouts. Replace the exhaust fans and balance all air flows to system requirements. Re-balance all air flows on the HV units to design conditions. Provide a new control system for the building.

Building 600 (P.E./Lockers)

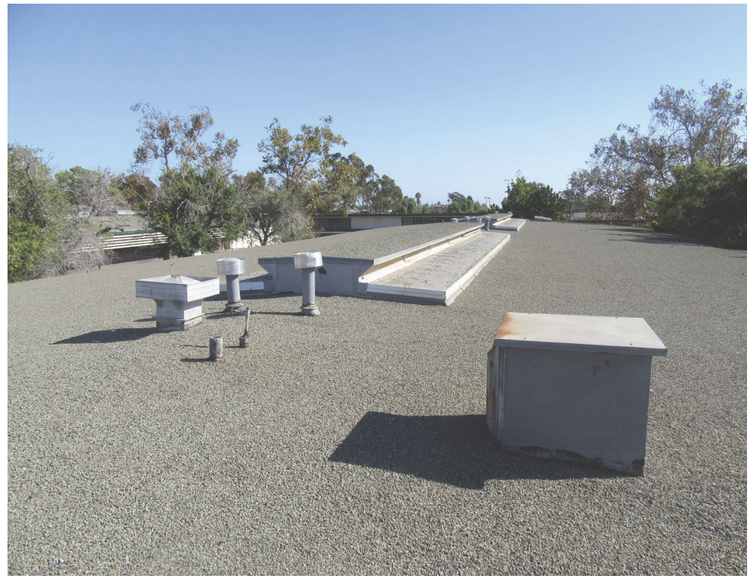
Existing Conditions:
Building 600 is a locker room building with multiple Reznor gas fired heat/vent units serving various spaces. Air distribution is routed through concealed and exposed ductwork and ceiling and duct mounted grilles.

Recommendations:
This building is expected to only receive minor updates to the floor plan.

Consider replacing existing Reznor HV units that have not been upgraded as part of the "HVAC 2000" project. Modify ductwork based on updated architectural layouts. Replace the exhaust fans and balance all air flows to system requirements. Re-balance all air flows on the HV units to design conditions. Provide a new control system for the building.



Typ. exposed ductwork at classrooms, installed per "HVAC 2000" project.



Existing rooftop exhaust at Building 200.

Site Assessment: PLUMBING

Scope of Report

The following report evaluates the plumbing conditions pertaining to the Whole Site Modernization. The assessment is inclusive of the following existing buildings:

- Building 100 (Admin)
- Buildings 100-400 (Classrooms)
- Building 500 (Food Service)
- Building 600 (P.E./Lockers)

Procedure

The following outlines the approach of the assessment:

- Review the available As-Built Drawings.
- Field Condition Observations
- Review of San Diego Unified School District Guidelines and Standards.
- Meetings with San Diego Unified School Dist. personnel

Report

The result of the assessment is presented in the following format:

- System Criteria
- Existing Conditions
- Recommendations

Plumbing System Criteria

Plumbing criteria will be based on the latest edition of the Uniform Plumbing Code and all other state and local plumbing system code requirements.

There is little evidence that any underground utilities have been replaced or upgraded since original installation and it is worth noting that all underground utilities should be video-taped to assess current condition.

Building 100 (Admin)

Existing Conditions:
There is no indication of any below slab waste and vent pipe replacement or upgrades therefore it must be considered as originally installed. There is no indication of any storm water replacement or upgrades therefore it must be considered as originally installed. Piping, regulator, and building shut-off valve appear to be as originally installed. Existing plumbing fixtures do not likely meet current low flow requirements.

Recommendations:
Expected to modify this building to accommodate new office layouts.

Replace the existing cold water piping from the pressure regulator through the building as necessary. As previously mentioned all underground should be video-taped to assess current condition, however consideration should be given to replace the entire waste and vent, and storm drain piping in its entirety. Existing water heater should be evaluated for sizing and replaced with new high efficiency unit if found inadequate. Evaluate existing plumbing fixtures and replace with ADA accessible units and new units with low flow flush valves, and faucets, where necessary.



Existing lavatory fixtures at student restrooms.



Existing urinal fixtures at student restrooms.



Existing Boiler Room at Building 600.

Buildings 100-400 (Classrooms)

Existing Conditions:
There is no indication of any below slab waste and vent pipe replacement or upgrades therefore it must be considered as originally installed. There is no indication of any storm water replacement or upgrades therefore it must be considered as originally installed. Piping, regulator, and building shut-off valve appear to be as originally installed. Existing water closets are wall mounted Kohler units with Sloan LC flush valves. They do not meet current low flow requirements. Existing plumbing fixtures do not likely meet current low flow requirements.

Recommendations:
Replace the existing cold water piping from the pressure regulator through the building as necessary. As previously mentioned all underground should be video-taped to assess current condition, however consideration should be given to replace the entire waste and vent, and storm drain piping in it's entirety. Existing water heater should be evaluated for sizing and replaced with new high efficiency unit if found inadequate. Evaluate existing plumbing fixtures and replace with ADA accessible units and new units with low flow flush valves, and faucets, where necessary.

Building 500 (Food Service)

Existing Conditions:
There is no indication of any below slab waste and vent pipe replacement or upgrades therefore it must be considered as originally installed. There is no indication of any storm water replacement or upgrades therefore it must be considered as originally installed. Piping, regulator, and building shut-off valve appear to be as originally installed. Existing water closets are wall mounted Kohler units with Sloan LC flush valves. They do not meet current low flow requirements. Existing plumbing fixtures do not likely meet current low flow requirements.

Recommendations:
Replace the existing cold water piping from the pressure regulator through the building as necessary. As previously mentioned all underground should be video-taped to assess current condition, however consideration should be given to replace the entire waste and vent, and storm drain piping in its entirety. Existing water heater should be replaced with new high efficiency unit. Evaluate existing plumbing fixtures and replace with ADA accessible units and new units with low flow flush valves, and faucets, where necessary.

Building 600 (P.E./Lockers)

Existing Conditions:
There is no indication of any below slab waste and vent pipe replacement or upgrades therefore it must be considered as originally installed. There is no indication of any storm water replacement or upgrades therefore it must be considered as originally installed. Piping, regulator, and building shut-off valve appear to be as originally installed. Existing water closets are wall mounted Kohler units with Sloan LC flush valves. They do not meet current low flow requirements. Existing plumbing fixtures do not likely meet current low flow requirements.

Recommendations:
Replace the existing cold water piping from the pressure regulator through the building. As previously mentioned all underground should be video-taped to assess current condition however consideration should be given to replace the entire waste and vent, and storm drain piping in its entirety. Existing water heater should be replaced with new high efficiency unit. An assessment should be made as to the current use of existing showers when sizing the new water heaters. Evaluate existing plumbing fixtures and replace with ADA accessible units and new units with low flow flush valves, and faucets, where necessary.

Site Assessment: ELECTRICAL

Scope of Report

The following report evaluates the electrical conditions pertaining to the Whole Site Modernization. The assessment is organized by the following categories:

- Power System
- Lighting System
- Fire Alarm

Procedure

The following outlines the approach of the assessments:

- Review the available Record Drawings.
- Field Condition Observations
- Review of San Diego Unified School District Guidelines and Standards.
- Meetings with San Diego Unified School Dist. personnel

Report

The result of the assessment is presented in the following format:

- Existing Conditions
- Recommendations

Power System

Existing Condition:
Existing power is fed to the campus with a 200 amp, 4.16kV, 3 phase, 3 wire service. Power is transformed down to usable voltage at 4 substations located throughout the campus. Three of the substations are from original construction, but have been upgraded within the last 10 years are is good shape. The fourth substations was just installed to support the new HVAC equipment.

Most of the existing switchboards, transformers, panelboards and feeders have been recently upgraded and are in good shape and within their expected life. A few panels have not been replaced and are still original to when the buildings were built.

Recommendations:
Consider replacement of all panelboards and feeders that are greater than 30 years old.

Remove all abandoned exterior electrical utilities/conduit.

Lighting System

Existing Condition: Interior Lighting
All interior lighting within the campus is accomplished with surface mounted or recessed fluorescent light fixtures. All lighting was retrofitted under the "Energy Star" program back in the late 1990's All fluorescent lamps are energy efficient T8 fixtures with energy sabing ballasts. All lighting in all spaces is controlled with a local switch and an occupancy sensor.

Recommendations:
Replace all interior lighting with state of the art LED lighting fixtures. Replace all controls to meet the current Title 24 requirements including dimming, light harvesting and automatic vacancy switching. Interior lighting will tie in to the new Building Automation System.

Existing Condition: Exterior Lighting
Exterior lighting is a mixture of surface mounted fluorescent lighting and wall and/or pole mounted HID lighting. Most exterior lighting is controlled by local switches.

Recommendations:
Replace all exterior lighting with state of the art LED lighting fixtures. New fixtures will need the current Title 24 requirements regarding light pollution. Exterior lighting will tie in to the new Building Automation System.



Typical fluorescent pendant mounted light fixture in classroom.

Fire Alarm System

Existing Condition:
The existing fire alarm system is a Simplex 4100U, addressable system. The main FACP is addressable, however, most devices throughout the campus are not. The systems consists of mostly of non-addressable smoke and heat detectors, along with horns and strobes located mostly in restrooms. Addressable detectors and combination horns/strobes are located in the new library and in the administration area. The existing system does not meet current District nor DSA standards.

Recommendations:
Replace the entire fire alarm system with a District Standard voice evacuation system. Existing addressable devices would be reconnected to the new system. The new system would consist of the following:

- New Voice Evacuation Fire Alarm Control Panel
- New NSC panels and/or Transponders
- New addressable smoke detectors, heat detectors and carbon monoxide detectors.
- New raceways and wiring (existing underground conduit could be reused)

*Proposed modernization scope to include only fire alarm upgrades that are required by the current Building Code, based on the overall project scope.



Typical exterior fluorescent surface mounted light fixture at covered walkway.



Existing fire alarm horn and strobe at Building 200 restroom.

Site Assessment: TECHNOLOGY

Scope of Report

The following report evaluates the technology conditions pertaining to the Whole Site Modernization. The assessment is organized by the following categories:

- Intercom/Public Address System
- Data System
- Audio/Visual System
- Security/Access Control

Procedure

The following outlines the approach of the assessments:

- Review the available Record Drawings.
- Field Condition Observations
- Review of San Diego Unified School District Guidelines and Standards.
- Meetings with San Diego Unified School Dist. personnel

Report

The result of the assessment is presented in the following format:

- Existing Conditions
- Recommendations

Intercom/Public Address System:

Existing Condition:
The existing intercom system is a Simplex 5100 series system. The system does noes not provide full coverage throughout the campus. The system does not have the capability to connect with the central Police monitoring system.

Recommendations:
Replace existing system with a new District Standard system that will provide complete coverage throughout the campus (including exterior). The system will be an IP based system and will utilize the existing fiber optic cabling between buildings. The new system will provide a connection to the central Police monitoring location. Existing raceways, wiring and speakers will be reused as much as possible.

Data System:

Existing Condition:
Recent e-rate work has provided the following:

- Establishment of a new MDF in an old heater closet. No new walls are being build and no A/C being installed. It is assumed that the new MDF and old MDF will be connected, but it is not shown on the current E-rate drawings.
- New IDF cabinets in each building. No new walls are being built and no A/C being installed.
- New fiber optic cabling from the MDF to each IDF
- New Category 6 cabling out to each space that will receive a new VoIP phone. This is the only new Category 6 cabling on the project.
- New wireless access points connected to existing cabling.
- New power to support the new MDF and IDF's.
- Minimal grounding at the MDF and IDF's connected to local electrical outlet.

Recommendations:
Work needed to complete data system to current district standards:

- Create MDF and IDF rooms to as required and provide air conditioning in each space.
- Provide all new Category 6 cabling out to each classroom, office, conference room, etc to replace the existing Category 5 cabling that was installed in the mid 1990's.
- New cabling will be run back to the new IDF's and MDF as needed. Existing raceways will be reused as much as possible, but some new raceways and conduits will be required.
- Entirely new data grounding system including ground bars at the MDF and IDF's, including connecting ground wire between the ground bars and a main ground connection at the main electrical service. (New raceways will be required for this new system).
- New Category 6 cabling out to the existing cameras run back to the new IDF locations.



Typical "i21" technology suite installed at typical classroom.

Data System:

Existing Condition:
Free-standing "mobile" Promethean Interactive Whiteboards, which are part of the District's "i21" technology suite, are installed in most of the classrooms (approx. 80%). The system components include but are not limited to (4) audio speakers, presentation table with document camera, DVD player, and voice amplification system.

Recommendations:
Provide Interactive Whiteboard technology suites per the latest District technology standards at all teaching spaces. Replace outdated systems where necessary.

Site Security Cameras:

Existing Condition:
Security cameras exist at various locations throughout the campus.

Recommendations:
Supplement the existing cameras with strategically located cameras. Cameras will be located per recommendations of PPO and School Police. Provide a data outlet to each new camera location. The District will furnish and install the cameras and servers.

Card Access System:

Existing Condition:
No system exists at this time.

Recommendations:
Provide new District Standard card access system on all exterior doors. This includes readers on both sides of the door in most locations. Provide all new controllers, readers, raceways and wiring and new doors and/or hardware as required.



Existing Main Distribution Frame "MDF" at Building 100 Heater Room.

Site Assessment: FIRE PROTECTION

Scope of Report

The following report evaluates the fire protection conditions pertaining to the Whole Site Modernization. The assessment is organized by the following categories:

- Fire Flow Test
- Existing Buildings 100-600

Procedure

The following outlines the approach of the assessments:

- Review the available Record Drawings.
- Field Condition Observations
- Review of San Diego Unified School District Guidelines and Standards.
- Meetings with San Diego Unified School Dist. personnel
- Fire Flow Test

Report

The result of the assessment is presented in the following format:

- Existing Conditions
- Recommendations

Fire Flow Test

A flow test was conducted to determine the available water pressure and flow for the fire suppression system pertaining to the proposed scope of work.

The flow test was conducted on May 2, 2018 using the hydrant at the northwest corner of the site (intersection of Clairemont Dr. and Ute Dr.). Flow test results indicated a static pressure of 88.43 PSI with a residual pressure of 77.13 PSI at 1,363 GPM.

Based on the proposed scope for the modernization, an additional fire flow test should be requested from the upper field hydrant, and it will need to be determined if the pressure will be adequate to support a new fire sprinkler system at the proposed Gymnasium, which is proposed to be located at the upper field level of the campus. A new fire sprinkler system will be required for the new Gymnasium building based on the current Code.

Existing Buildings 100-600:

Existing Administration, Classroom, Library, Auditorium, Food Service, and P.E./Locker Room buildings are currently not equipped with a fire sprinkler system.

Recommendations: It is not anticipated that the alterations work proposed at these buildings as part of the modernization would require the addition of automatic fire sprinkler systems. If any of these existing buildings were to change occupancy classification, a fire sprinkler upgrade could then be required.

Company Requesting Hydrant Flow: JENSEN HUGHES

Telephone No: 858 735-1086 Fax No: 619 488 9811 E-mail Address: JMALDONE@JENSENHUGHES.COM

Project Number for the Building Permits: 5799 CLAIREMONT DR

Location of Hydrants: SEE MAP BELOW

Cross Street: UTE DR City: San Diego State: CA ZIP Code:

FOR CITY USE ONLY

Facility Sequence Number: (FSN): 522350

Static: 88.43 PSI Elevation: 306 FEET

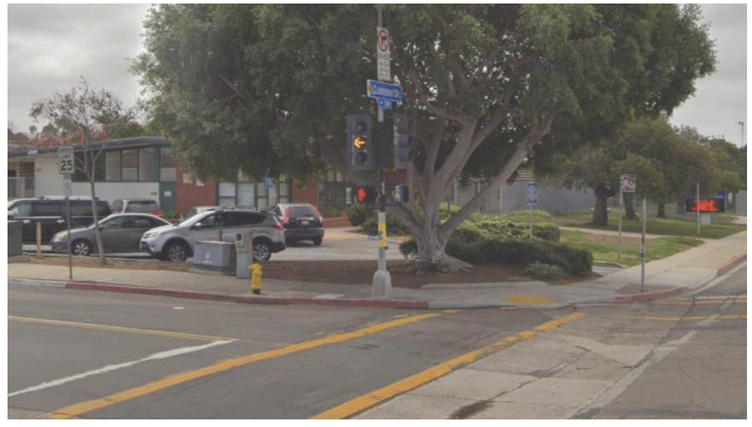
Pitot: 0 PSI Residual: 77.13 PSI

Date: 5/2/18 Flow: 1363 GPM

Researched in database by: Q. Lu.

The information provided above is based upon a water model. It is the contractor's responsibility to confirm the available static pressure at the system point of connection. If a discrepancy is noticed at that time, notify DSDHydrantFlow@sandiego.gov as soon as possible.

Fire flow test performed 5/2/2018.



Existing fire hydrant at Clairemont Dr. and Ute Dr. intersection.

Site Assessment: FOOD SERVICE

Scope of Report

The following assessment is based on the conditions of the existing Kitchen at Building 500. The assessment is organized by the following categories:

- Kitchen/Food Prep
- Staff Dining
- Walk-in Freezer/Cooler
- Servery/Grab'n'Go
- MPR/Dining Room

Procedure

The following outlines the approach of the assessment:

- Review the available As-Built Drawings.
- Field Condition Observations
- Review of San Diego Unified School District Guidelines and Standards.
- Meetings with San Diego Unified School Dist. personnel

Report

The result of the assessment is presented in the following format:

- Existing Conditions
- Recommendations

General

Single story building containing the Kitchen and MPR/Dining Room. The western half of the building contains the MPR/Dining Room and the eastern half contains the Kitchen areas, with the Food Service loading areas behind.

The Kitchen at Marston Middle School is a production kitchen for the District that serves about 300 students on campus, as well as (13) other school sites.

Kitchen/Food Prep:

Existing Condition:

Existing flooring finishes at the Kitchen/Food Prep areas are in poor condition and do not meet current Health Codes. Wall base is missing, and the prep sink areas do not have washable wall surfaces, such as FRP (or equivalent). The existing exhaust hoods and fire suppression system at the main cooking equipment are not compliant with current Health and Building Codes. And the existing prep sinks are not 3-compartment sinks per District standards.

The dishwashing and dry storage areas are separated from the Kitchen, and more food prep area is needed. The dedicated restroom for the Food Service staff is also not ADA compliant and needs to be enlarged to accommodate required ADA clearances.

Recommendations:

Repair/replace wall and floor finishes to meet current Health Codes. Upgrade exhaust hoods and associated fire suppression system to meet current Health and Building Codes. Provide new kitchen equipment to meet the latest District Standards.

Update the Kitchen layout, with minimal structural impact, to create a more efficient sequence for staff that facilitates and accommodates the food prep for multiple school sites. Open up Kitchen/Food Prep area to the Servery/Grab'n'Go area so that students can see "cooking on display." Enlarge Staff restroom and provide new fixtures and accessories to meet ADA accessibility requirements.

Staff Dining:

Existing Condition:

The existing indoor Staff Dining space is currently being



Existing cooking equipment and exhaust hood at Kitchen.



Existing driveway for Food Service loading/delivery area.

used by Food Service staff to store carts with prepared food for each school site served. Existing interior finishes and casework are also outdated. The existing outdoor space that was intended for additional Staff Dining space is also being used by Food Service staff to facilitate deliveries for food prepared for other school sites.

Recommendations:

The Staff Dining areas are proposed to be re-purposed to support the Kitchen/Food Prep storage needs. Update interior finishes to meet current Health Codes.

Walk-in Freezer/Cooler:

Existing Condition:

Existing walk-in freezer and cooler are in adequate condition, but do not provide enough storage space for this size production kitchen. An aditional walk-in freezer is requested by Food Service staff so that one could be used for the Marston campus and the other could be used for the additional school sites.

Recommendations:

Update the layout for the walk-in freezer/cooler area, with minimal structural impact, to accommodate an additional walk-in freezer to be used for the additional school sites.

Servery/Grab'nGo:

Existing Condition:

Existing interior finishes and casework are outdated and may not meet current Health Codes.

The additional "Out-Service" Room that serves food via pass-through windows is in adequate condition, but should be evaluated for ADA accessibility compliance.

Recommendations:
Update interior finishes and casework to meet current Health and Building Codes. Provide new equipment to meet the latest District Standards.

MPR/Dining Room:

Existing Condition:
Interior finishes, such as flooring and paint, are outdated, and window treatments are missing. The space is lacking visual appeal on the walls and a visual connection to the adjacent food prep/serving areas.

Recommendations:
Update interior finishes and window treatments to create a more modern and inviting dining area for the students. Provide new FF&E items that give the impression of a more upscale environment. Provide wall treatments that are both visually appealing and educational in promoting healthy and nutritional meals.



Food Service - Refrigerator stand on 2x4 wood planks.



Food Service - Food serving window area.

SECTION 3 :

Project Scope

Architectural Design

The Pre-Schematic design phase provides a viable framework that can lead to the development of a meaningful project, working with the design team and key community participants. The Pre-Schematic design process develops a vocabulary which utilizes the design character and principles found in the original school, as well as the community context. Key features of the architectural concepts include:

- Respect the mid-century modern ranch style character of the existing buildings/campus.
- Utilize a simple palette of materials and durable finishes complementary to the existing campus.
- Create strong indoor/outdoor connections.
- Utilize sustainable design strategies to reduce energy and maintenance costs.
- Preserve and enhance the use and effect of natural daylighting in the interior spaces.
- Modernize the classroom interiors to create stimulating and flexible teaching environments.
- Create welcoming features at the front of campus to enhance the sense of arrival and create a prominent community presence.
- Create architecturally distinct buildings that will promote a strong sense of pride in the school.
- Establish joint-use opportunities and create spaces that will create a stronger connection between the school and the community.

Sustainable Design

The Pre-Schematic design phase sets goals to achieve multiple sustainable and low energy use design features for both the existing buildings and site and the new building. Special emphasis should be placed on using passive, energy-saving design strategies that are intended to minimize ongoing maintenance and operational requirements and to reduce energy consumption. The project shall also comply with the current energy codes. Potential sustainable design features relating to site, architecture, and materials can be and are not limited to the following:

Site

- Maximize the amount of open space with permeable surfaces.
- Low water use plant materials and irrigation controls.
- Micro-climate native plants.

Architecture

- Deep building overhangs designed to control direct summer sun from entering interior spaces while allowing in low winter sun.
- Passive and active daylighting control elements to diffuse and re-direct sunlight to provide balanced daylight into interior spaces.
- North facing clerestory windows where feasible to collect northern light into new building spaces.
- Solar-ready design components incorporated into buildings.

Materials (Sustainable/energy savings)

- Building materials with high recycle content.
- Low VOC emitting interior finishes.
- High efficiency HVAC mechanical units and controls.
- LED interior and exterior lighting.
- Water efficient fixtures.
- High performance window and storefront glazing.



WSM SCOPE SUMMARY

Overall Campus Improvements:

- Modernize building exteriors: existing louver removal, new paint, new HVAC screens
- Replace all windows and doors
- Upgrade door hardware/access control
- Upgrade security/communications
- Upgrade exterior light fixtures to LED
- Upgrade staff/student restrooms
- Replace pavement for accessible path of travel
- Remove existing portable classrooms

Administration/Campus Identity:

- Modernize Administration layout and interior finishes
- Enhance exterior facade
- New building/campus signage
- New landscaping/paving

Classroom Improvements:

- Modernize classroom interiors: new paint, flooring, ceilings, wall/window treatments, casework, and LED lighting
- Upgrades for accessibility

Food Service Improvements:

- Modernize Food Service layout and interior finishes
- New kitchen equipment, walk-ins

Physical Education Facilities:

- Upgrade existing Locker Room building for accessibility; upgrade interior finishes and fixtures as required
- New Gymnasium building with sports courts, bleacher seating, lobby, and support spaces

New Joint-use Field:

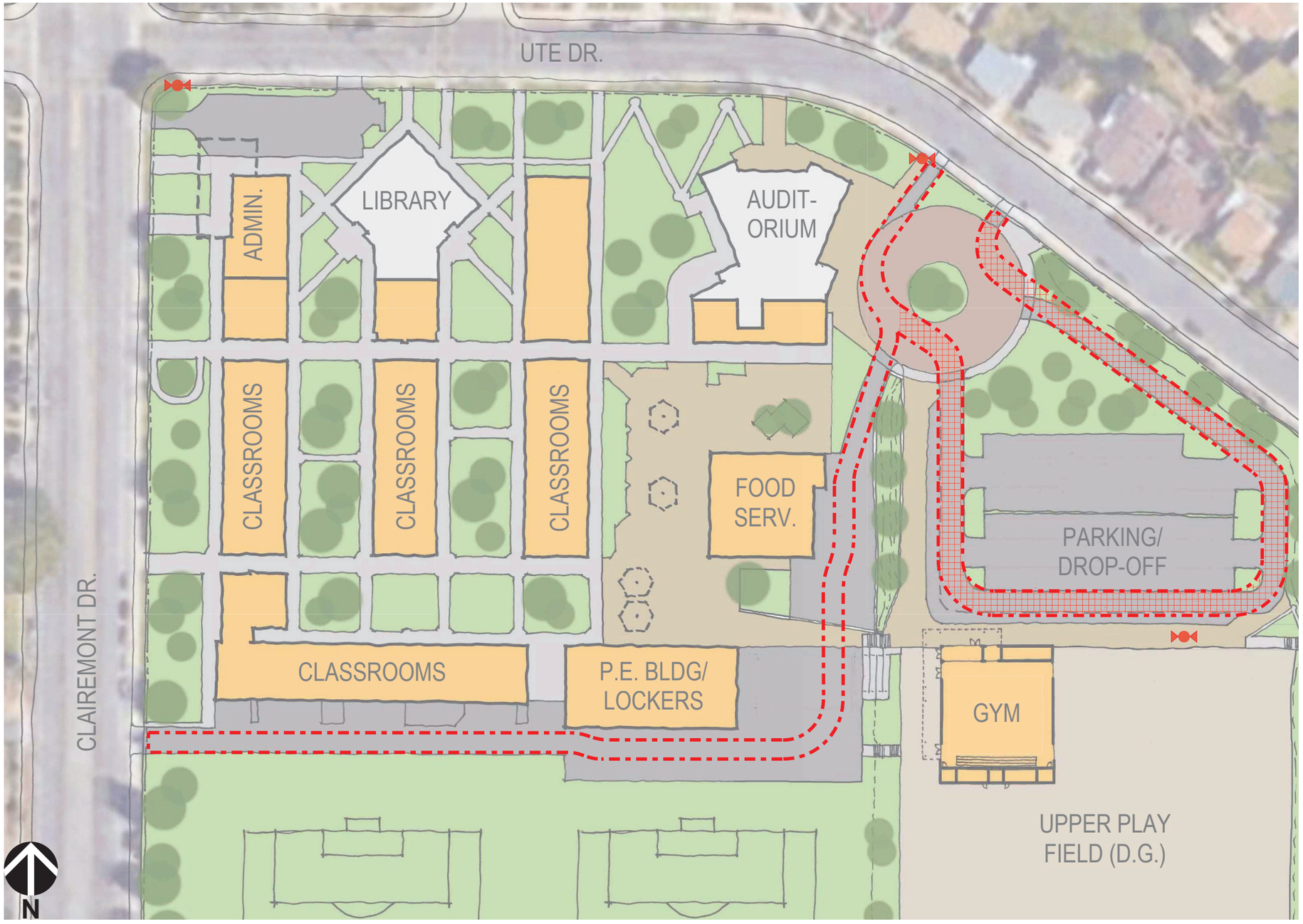
- New 5-acre natural turf field with perimeter walking track
- Resurface existing hard courts
- Drainage/erosion control

New Parking/Drop-off Area:

- New Parking Lot on campus with at least 75 additional parking spaces
- New Pick-up/Drop-off area on campus with access from Ute Dr.
- Enhance campus entry from new parking/drop-off area
- New landscaping

NOT TO SCALE

***WHOLE SITE MODERNIZATION** - SCOPE SITE PLAN*



FIRE ACCESS ROUTE

Existing Fire Access Lane

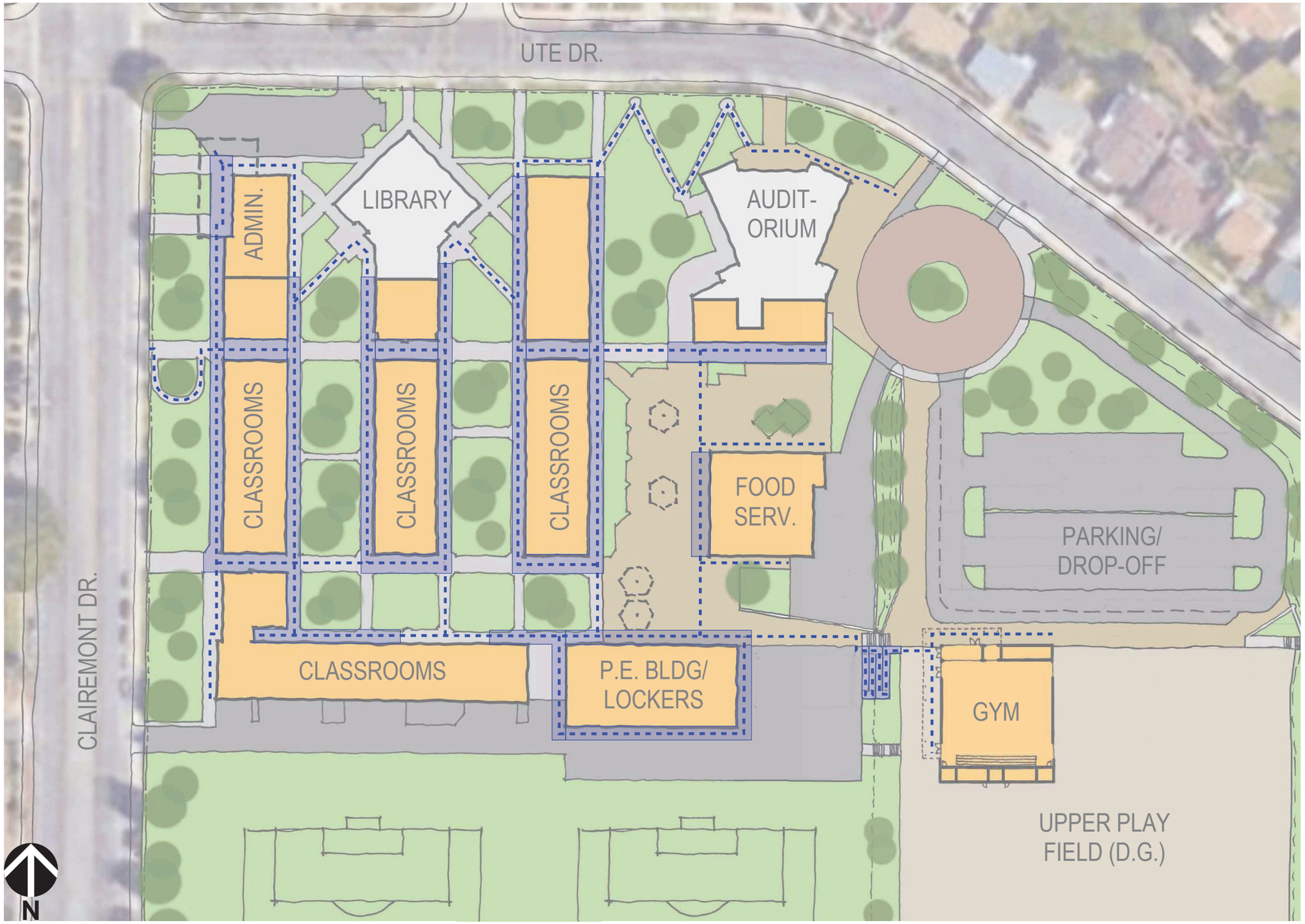
Proposed Fire Access Lane

Existing Fire Hydrant

The existing fire access is generally compliant with the local fire jurisdictional requirements. The proposed modernization plan will require review and coordination with the local jurisdiction to determine adjustments necessary as a result of the new buildings and site work.

NOT TO SCALE

FIRE ROUTE ACCESS PLAN



ACCESSIBLE PATH OF TRAVEL

Proposed Accessible Path of Travel

Proposed Walkway Replacement

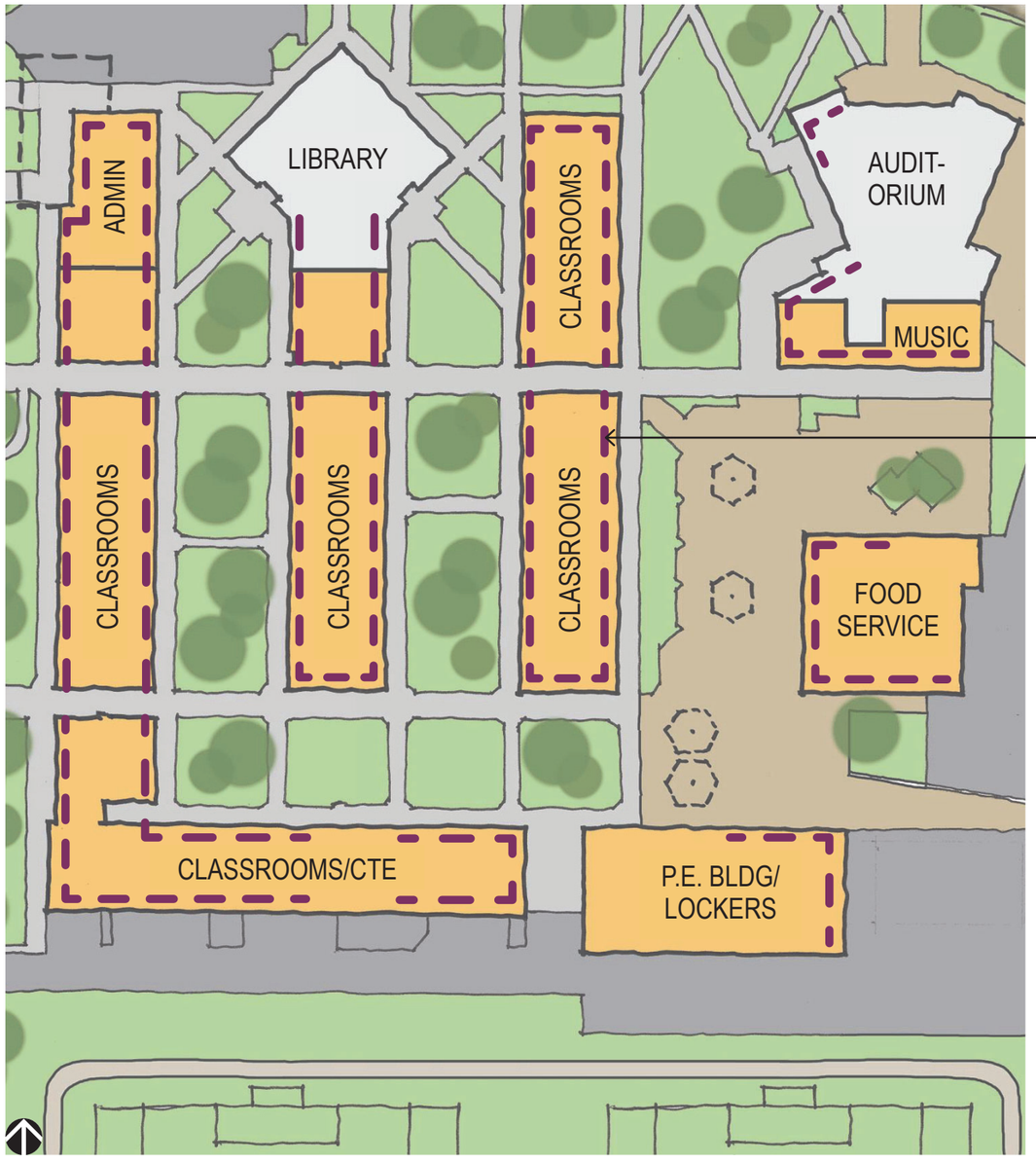
The project includes upgrades to provide accessible path of travel from the public right-of-way to campus locations within the project limit of work.

NOT TO SCALE

ADA ACCESSIBLE PATH OF TRAVEL PLAN

SAN DIEGO UNIFIED SCHOOL DISTRICT

ROESLING NAKAMURA TERADA ARCHITECTS



Proposed locations for HVAC screens

Proposed locations for HVAC screens (approx. 2,500 LF)

HVAC screen concept



HVAC screen concept at typical classroom building

CAMPUS IMPROVEMENTS

Modernize Building Exteriors:
- Remove existing louvers
- New paint
- New HVAC screens (approx. 2,500 LF)
- New LED light fixtures

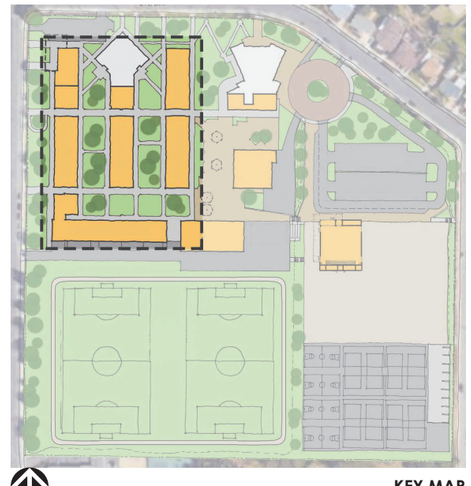
Replace Windows and Doors:
- New energy efficient windows
- New exterior doors/thresholds
- New hardware/access control

Upgrade Security/Communications:
- New single point of access
- New internal public address
- Upgrade fire alarm as needed

Upgrade Staff/Student Restrooms:
- (4) Girls' multi-occ. restrooms
- (4) Boys' multi-occ. restrooms
- (2) Staff multi-occ. restrooms

Upgrade Accessible Path of Travel:
- New walkway pavement (approx. 38,000 SF)

Remove Existing Portable Buildings:
- (10) existing portable buildings



KEY MAP

ADMIN / CAMPUS IDENTITY

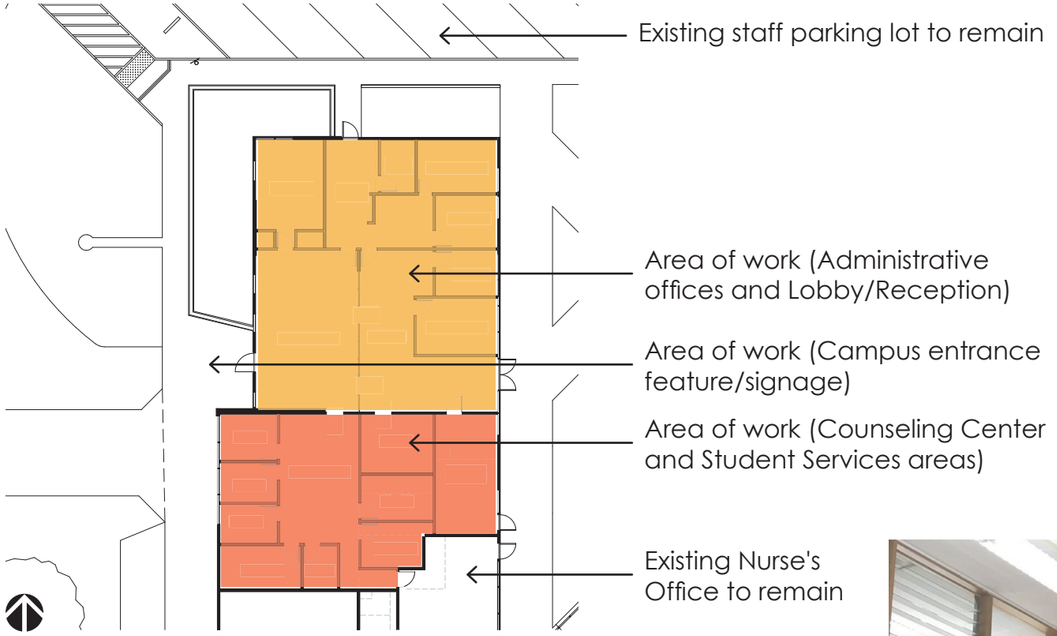
Modernize Administration Layout:
- Approx. 4,000 SF
- Administrative Offices
- Lobby/Reception
- Counseling Center
- Student Services

Modernize Interior Finishes:
- New flooring
- New paint
- New LED light fixtures

Enhance Exterior Facade:
- New campus entrance feature
- New color scheme

New Building/Campus Signage:
- Modern aluminum signage letters

New Landscaping/Paving:
- New landscape elements (native plants)



Existing floor plan - Administration Building



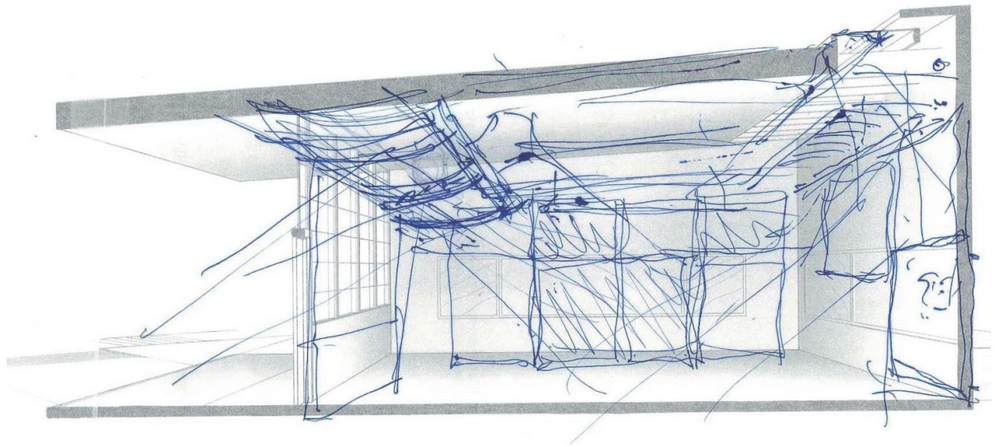
Conceptual perspective sketch - new campus entrance feature



Existing Lobby/Reception at Admin. Building - create a more welcoming entrance that also supports safety and security



KEY MAP



Conceptual perspective sketch - Classroom



Typical Classroom conceptual rendering - create specialized wall/ceiling treatments to enhance the classroom environment and provide instructional flexibility

CLASSROOM IMPROVEMENTS

Modernize Interior Finishes:

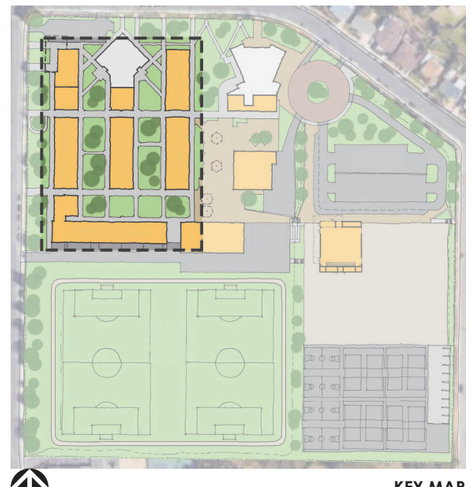
- New flooring
- New paint
- New LED light fixtures
- Remove existing casework
- Hazardous material remediation

Enhance Classroom Environment:

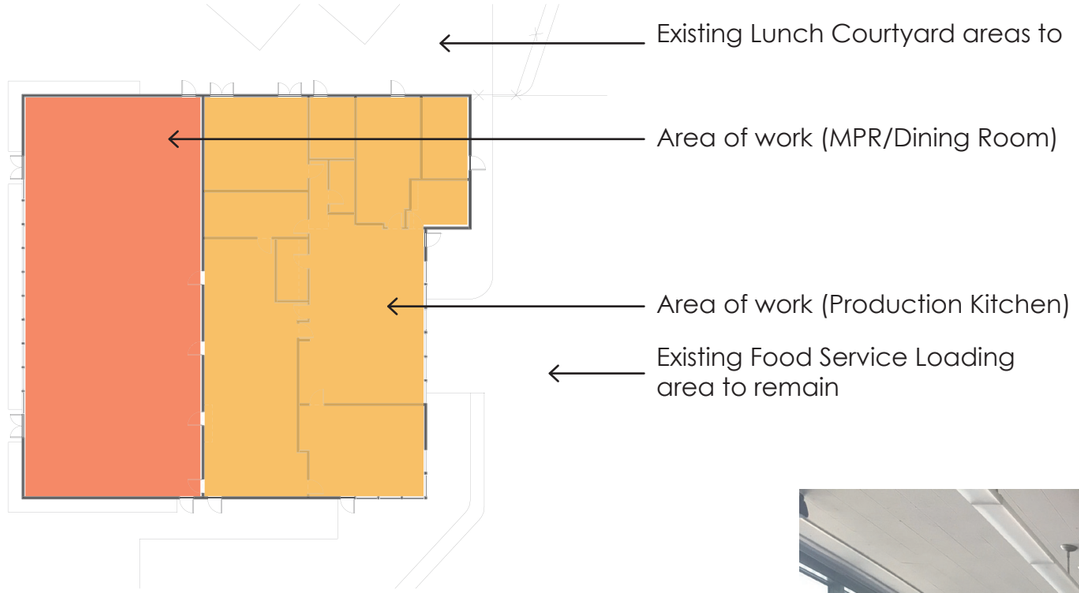
- New specialized wall treatments that include writable/tackable/ display surfaces for instruction
- New specialized ceiling treatments to partially conceal exposed ducts
- Upgrade i21 technology suite

Upgrades for Accessibility:

- Code compliant door thresholds
- Code compliant reach heights for controls/etc.



KEY MAP



Existing floor plan - Food Service Building



Existing Kitchen/Food Prep area - create a more efficient layout that supports production efforts and promotes health and safety



Existing MPR/Dining Room - upgrade interior to create upscale dining environment with emphasis on student health and nutrition

FOOD SERVICE IMPROVEMENTS

Modernize Food Service Layout:

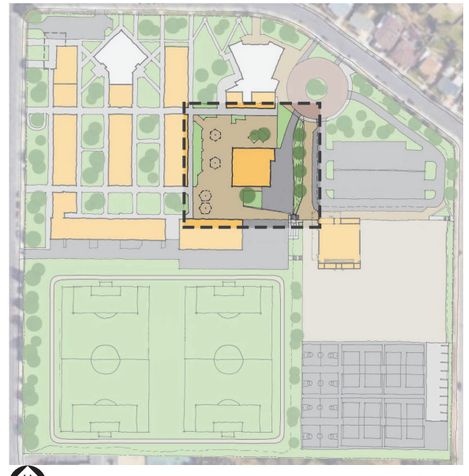
- Approx. 4,400 SF
- MPR/Dining Room
- Production Kitchen
- Servery/Grab'n'Go
- Walk-in Freezers/Cooler
- Staff Restroom

Modernize Interior Finishes:

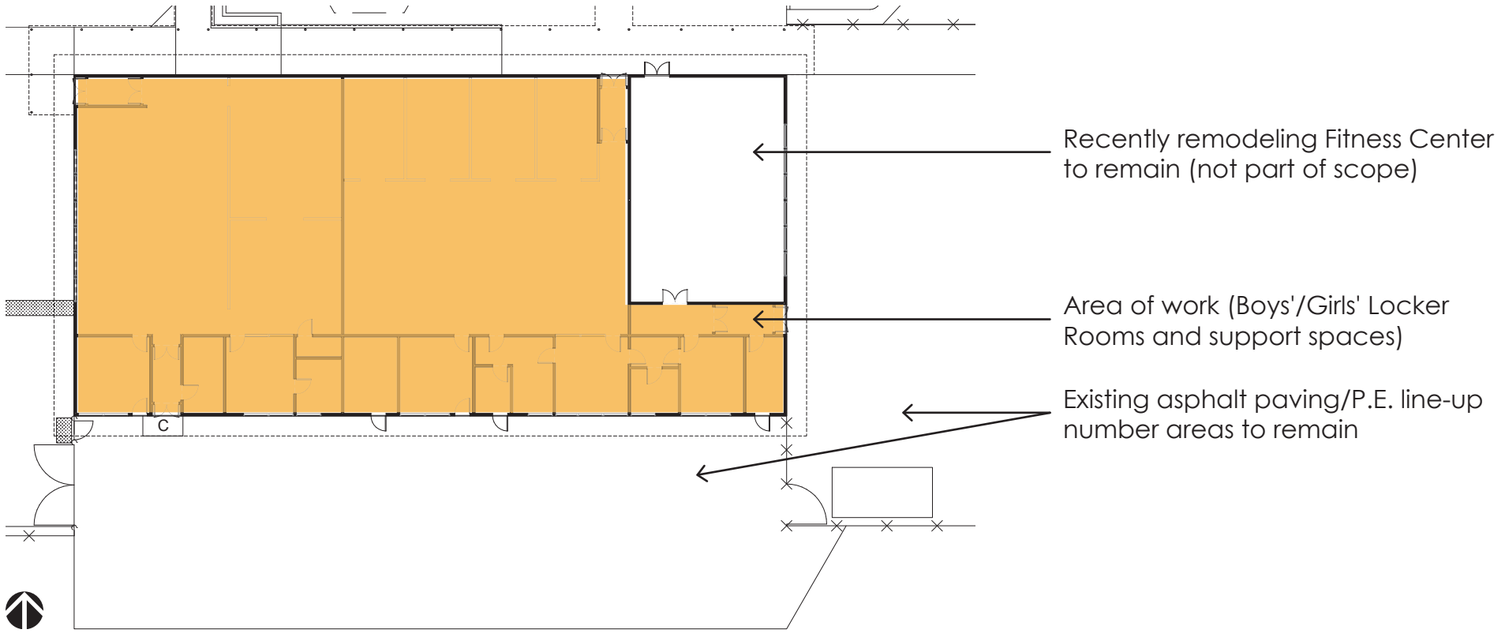
- New flooring (quarry tile)
- New paint
- New LED light fixtures

New Kitchen Equipment:

- New 3-compartment sinks
- New convection oven
- New tilt skillet
- New electric griddle (to feature cooking on display)
- New 6-burner range
- New exhaust hood/fire suppression system
- New grease trap interceptor
- New walk-in freezers (2) and walk-in cooler (1)



KEY MAP



Existing floor plan - Physical Education Facilities

PHYSICAL EDUC. FACILITIES

Modernize P.E. Locker Room Layouts:

- As needed for ADA accessibility upgrades
- Approx. 8,000 SF
- Locker Rooms
- Showers
- Restrooms

Upgrades for Accessibility:

- Code compliant ADA clearances
- Code compliant plumbing fixtures and accessories

Modernize Interior Finishes:

- As needed



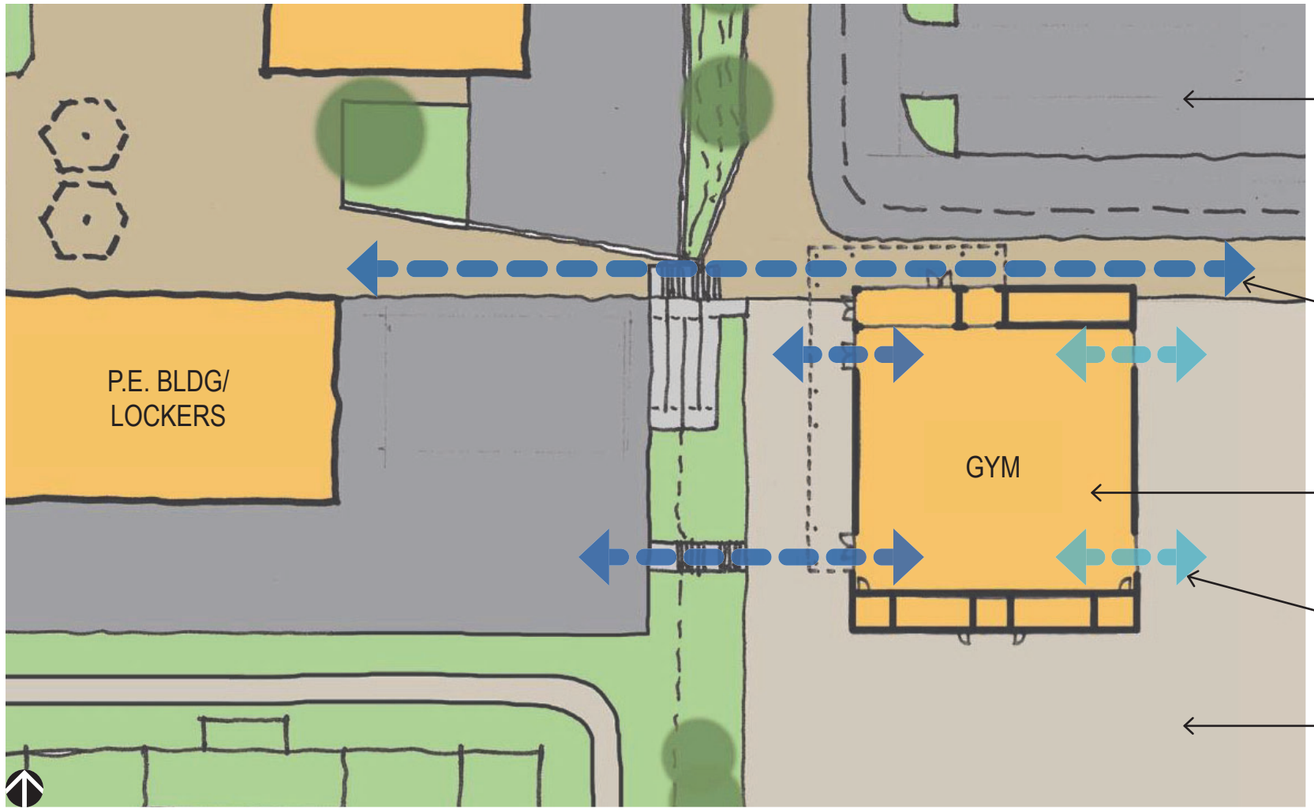
Existing Locker Rooms - create a more inclusive environment by providing upgrades necessary to meet current ADA accessibility requirements



Existing asphalt paving/P.E. line-up numbers - create a meaningful and functional connection between the existing P.E. Facilities and the new Gymnasium location



KEY MAP



Enlarged site plan - New Gymnasium (connections/integration with the site)



Site section - New Gymnasium (relationship to the site)

NEW GYMNASIUM

The proposed Gymnasium building is a single story structure composed of sports courts with striping and associated equipment, 3-tier bleacher seating, a lobby, and support spaces, such as restrooms and equipment storage.

Total: Approx. 14,000 sq. ft.



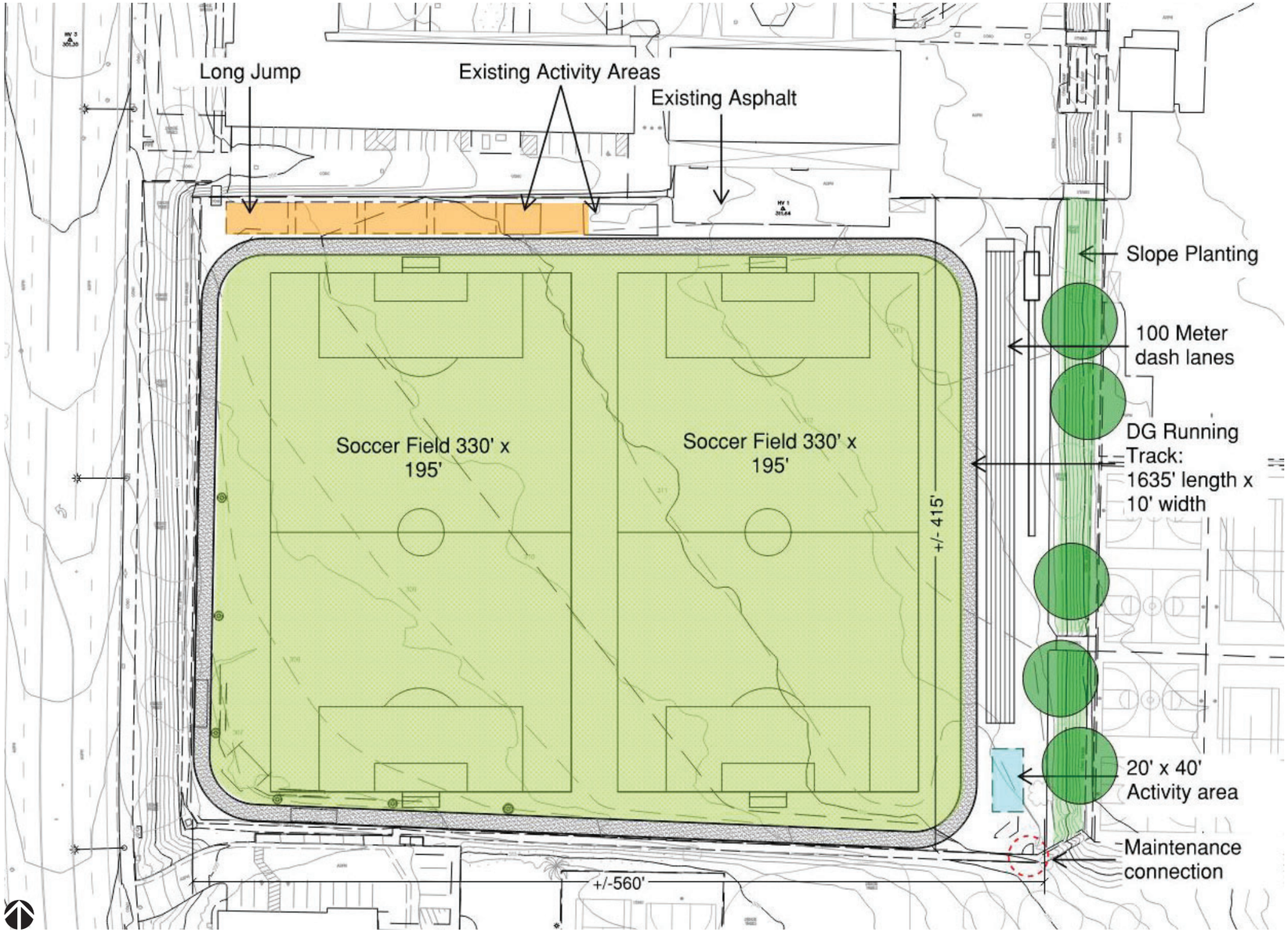
KEY MAP

NEW JOINT-USE FIELD

New Joint-use Field:
- Approx. 5 acres of natural turf
- 10' wide perimeter walking track (Material: TBD)

Resurface Existing Hard Courts:
- Minimal resurfacing method
- New striping/netting/equipment
- Joint-use opportunity

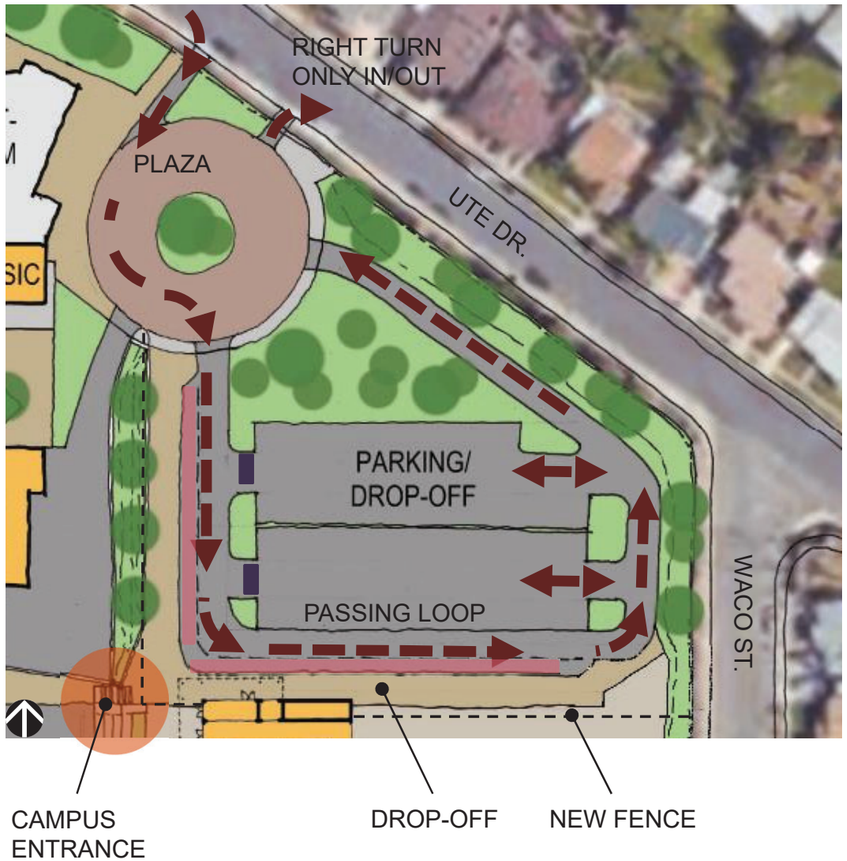
Drainage/Erosion Control:
- As needed



Preliminary Joint-Use field conceptual plan (LandLAB)



KEY MAP



Enlarged site plan - New Parking/Drop-off Area (circulation)



Existing paving/fencing/landscape along Ute Dr. - enhance campus frontage



Existing site stair - create a new campus entrance for students that enhances the connection between the upper and main levels of the site

NEW PARKING / DROP-OFF

New On-campus Parking Lot:

- Approx. 75 additional parking spaces (staff/visitor)
- Utilize existing curb cuts off Ute Dr.
- Joint-use parking opportunity

New On-campus Pick-up/Drop-off:

- Round-about/plaza entrance
- Passing lane and drop-off lane
- Utilize existing curb cuts off Ute Dr.
- Preserve access for Food Service deliveries/maintenance
- New fire access lane

Enhance Campus Entry:

- Create a welcoming entrance for students that has a strong connection with the main campus level
- Upgrade existing stair, accessible ramp, retaining walls as needed

New Landscaping:

- New native planting
- New bio-retention/filtration area for storm water



KEY MAP



SECTION 4 :

Preliminary Cost Estimate

Pre-Schematic Cost Estimate Summary

Martson Middle School

San Diego, California
RNT Architects

HUNTER PACIFIC GROUP

Estimate Summary - ROM Study Cost Estimate 2/6/2019

ESTIMATE MARKUPS

Design Completion Contingency	10.00%
Contractor Construction Contingency	10.00%
General Conditions	11.50%
Subguard Insurance	1.13%
Contractor Fee	6.00%
Cost Escalation (Start of Construction June 2020)	6.28%

	SUBTOTAL	MARKUP	TOTAL	
B: SCHOOL IMPROVEMENTS TO SUPPORT STUDENT HEALTH, SAFETY AND SECURITY				
B1: Replace Campus Fire Alarm / Provide Site Intercom System	945,586	507,754	1,453,340	
B3: Provide New Security/Perimeter Fencing at New Parking Lot and Joint-Use Field Separation	42,650	22,902	65,552	
B5: Abate/Remediate Hazardous Materials at Interior Flooing and Exterior Stucco	864,257	464,083	1,328,340	
B7: Provide New Pick-up/Drop-off Area and New Parking	2,149,530	1,154,240	3,303,770	
B12: Develop Decomposed Granite Area as New Joint-Use Field	1,687,221	905,992	2,593,213	
	5,689,244	**3,054,971**	**8,744,214**	
C: SCHOOL ACCESSIBILITY, CODE COMPLIANCE UPGRADES				
C1: Renovate P.E. Locker Spaces and Upgrade Staff/Student Restrooms	1,839,056	987,523	2,826,579	
C2: Remove/Replace Existing Building Walkway Pavement to Make Exterior Doors Accessible	505,829	271,617	777,446	
C5: Remove (9) Portable Buildings, Including Special Education L.I. Offices	42,000	22,553	64,553	
	2,386,885	**1,281,693**	**3,668,578**	
D: MAJOR BUILDING SYSTEMS REPAIR/REPLACEMENT				
D2: Replace Old Light Fixtures and Fluorescent Lighting (Interior and Exterior):	495,000	265,802	760,802	
D3: Remove and Replace Existing Exterior Doors and Windows	1,273,822	684,008	1,957,830	
D4: Upgrade Classroom and Administration Interiors (Paint, Flooring, Ceiling & Casework)	2,029,148	1,089,598	3,118,746	
D4: Upgrade Exteriors (Stucco Repair, Paint, Louver Removal, Administration Signage, HVAC Screens)	1,920,831	1,031,435	2,952,266	
D11: Replace Existing Paving at Fire Lane	80,820	43,398	124,218	
D12: Site Drainage Improvements	65,000	34,903	99,903	
D19: Sound System Upgrades at Auditorium Building	50,000	26,849	76,849	
	5,914,621	**3,175,992**	**9,090,614**	
F: QUALITY NEIGHBORHOOD SCHOOLS				
F1: Improve P.E. Facilities to Accommodate P.E. Activity/Multi-Purpose Space	393,466	211,280	604,746	
	393,466	**211,280**	**604,746**	
YY: UPGRADE STUDENT FOOD SERVICE AREAS AND KITCHEN				
Food Services Areas and Kitchen Upgrades	1,027,289	551,627	1,578,916	
	1,027,289	**551,627**	**1,578,916**	
YY: GYMNASIUM - OPTION 1 (IN SLOPE CONSTRUCTION)				
New Gymnasium Building	5,227,113	3,172,605	8,399,718	
	5,227,113	**3,172,605**	**8,399,718**	
GRAND TOTAL (Including Gym Option 1)	**20,638,618**	**11,448,168**		**32,086,786**
YY: GYMNASIUM - OPTION 2 (UPPER FIELD LEVEL CONSTRUCTION)				
New Gymnasium Building	4,667,750	2,833,099	7,500,849	
	4,667,750	**2,833,099**	**7,500,849**	
GRAND TOTAL (Including Gym Option 2)	**20,079,255**	**11,108,662**		**31,187,917**

Pre-Schematic Cost Estimate Detail

Martson Middle School

San Diego, California
RNT Architects

HUNTER PACIFIC GROUP

WSM Scope - ROM Study Cost Estimate 2/6/2019

ESTIMATE MARKUPS

Design Completion Contingency	10.00%	(Additional 5% Added to Gym Options)
Contractor Construction Contingency	10.00%	
General Conditions	11.50%	
Subguard Insurance	1.13%	
Contractor Fee	6.00%	
Cost Escalation (Start of Construction June 2020)	6.28%	

B: SCHOOL IMPROVEMENTS TO SUPPORT STUDENT HEALTH, SAFETY AND SECURITY

B1: Replace Campus Fire Alarm / Provide Site Intercom System	Quantity		Rate	Subtotal	Total
Fire Alarm Upgade - Whole Building 100	15,639	SF	6.85	107,127	
Fire Alarm Upgade - Whole Building 200	16,368	SF	6.85	112,121	
Fire Alarm Upgade - Whole Building 300	31,143	SF	6.85	213,330	
Fire Alarm Upgade - Whole Building 400	14,587	SF	6.85	99,921	
Fire Alarm Upgade - Whole Building 500	7,663	SF	6.85	52,492	
Fire Alarm Upgade - Whole Building 600	9,722	SF	6.85	66,596	
Intercom System	98,000	SF	2.00	196,000	
Clock System	98,000	SF	1.00	98,000	
B1: Replace Campus Fire Alarm / Provide Site Intercom System					**945,586**
Markup					507,754
TOTAL					**1,453,340**

B3: Provide New Security/Perimeter Fencing at New Parking Lot and Joint-Use Field Separation	Quantity		Rate	Subtotal	Total
Fencing, 10'	700	LF	52.50	36,750	
Gate 10' Double Gate	3	Ea	680.00	2,040	
Gate 20' Double Gate	1	Ea	760.00	760	
Vehicular Arm Gates (w/ Card Reader)	2	Ea	1,550.00	3,100	
B3: Provide New Security/Perimeter Fencing at New Parking Lot and Joint-Use Field Separation					**42,650**
Markup					22,902
TOTAL					**65,552**

B5: Abate/Remediate Hazardous Materials at Interior Flooing and Exterior Stucco	Quantity		Rate	Subtotal	Total
Flooring, Remove/Remediate - Classrooms (Bldg 100)	11,598	SF	18.00	208,760	
Flooring, Remove/Remediate - Art Labs & Shops (Bldg 100)	9,017	SF	18.00	162,306	
Flooring, Remove/Remediate - Classrooms (Bldg 200)	8,156	SF	18.00	146,808	
Flooring, Remove/Remediate - Staff Lounge (Bldg 200)	770	SF	18.00	13,860	
Flooring, Remove/Remediate - Classrooms (Bldg 300)	12,950	SF	18.00	233,100	
Flooring, Remove/Remediate - Lab (Bldg 300)	1,203	SF	18.00	21,654	
Flooring, Remove/Remediate - Music Classrooms (Bldg 400)	3,488	SF	18.00	62,784	
Asbestos Remed. at Door/Window (Bldg 100)	196	SF	13.50	2,646	
Asbestos Remed. at Door/Window (Bldg 200)	238	SF	13.50	3,213	
Asbestos Remed. at Door/Window (Bldg 300)	314	SF	13.50	4,239	
Asbestos Remed. at Door/Window (Bldg 400)	219	SF	13.50	2,957	
Asbestos Remed. at Door/Window (Bldg 500)	143	SF	13.50	1,931	
B5: Abate/Remediate Hazardous Materials at Interior Flooing and Exterior Stucco					**864,257**
Markup					464,083
TOTAL					**1,328,340**

B7: Provide New Pick-up/Drop-off Area and New Parking	Quantity		Rate	Subtotal	Total
New Asphalt Paving	52,100	SF	17.50	911,750	
New Drop-off Hardscape	18,800	SF	25.00	470,000	
New Landscaping	4,800	SF	15.00	72,000	
New Decomposed Grante	18,200	SF	2.50	45,500	
New Trees, 36" Box	18	Ea	3,200.00	57,600	
Lighting	1	LS	250,000.00	250,000	
Demo AC Paving at Portables	16,800	SF	1.35	22,680	
Storm Drain Utilities - Allowance for piping, cleanouts, inlets, and biofiltration area (Storm Drain costs provided by Kimley Horn)	1	LS	320,000.00	320,000	
B7: Provide New Pick-up/Drop-off Area and New Parking					**2,149,530**
Markup					1,154,240
TOTAL					**3,303,770**

B12: Develop Decomposed Granite Area as New Joint-Use Field	Quantity		Rate	Subtotal	Total
Clear and Grub	241,350	SF	0.18	43,443	
Import, Backfill, Compact, 10"	7,450	CY	48.50	361,325	
Fine Grade	241,350	SF	0.25	60,338	
Turf, Hydroseed	217,800	SF	1.35	294,030	
Decomposed Grante, Running Track	23,550	SF	2.50	58,875	
Irrigation System	217,800	SF	3.25	707,850	
Maintenance	12	Mo	2,500.00	30,000	
Gate 20' Double Gate	1	Ea	760.00	760	
Concrete Pad, 20' x 20', including Reinforcing Steel	400	SF	14.00	5,600	
Site Drainage Upgrades (Allowance for piping and catch basins)	1	LS	125,000.00	125,000	
B12: Develop Decomposed Granite Area as New Joint-Use Field					**1,687,221**
Markup					905,992
TOTAL					**2,593,213**

Pre-Schematic Cost Estimate Detail

WSM Scope - ROM Study Cost Estimate 2/6/2019

C: SCHOOL ACCESSIBILITY, CODE COMPLIANCE UPGRADES

C1: Renovate P.E. Locker Spaces and Upgrade Staff/Student Restrooms	Quantity		Rate	Subtotal	Total
Building 600 - Locker Room					
Demo Interior Finishes	640	MH	72.00	46,080	
(Including Walls, Flooring, Lockers, Casework, Accessories, Plumbing and other Required Items)					
Haul Off Waste & Dump Fees	240	CY	33.50	8,040	
Countertop, Wall Mount - P.E. Offices	32	LF	180.00	5,760	
Door, Frame & Hardware, SC, Single 3'0" x 7'0"	12	Sng	1,975.00	23,700	
Door, Frame & Hardware, SC, Pair 6'0" x 7'0"	1	Pr	2,410.00	2,410	
Door, Frame & Hardware, HM, Single 3'0" x 7'0"	4	Sng	1,850.00	7,400	
Interior Walls, including Drywall & Paint	4,524	SF	23.45	106,088	
Interior Walls, Low, including Drywall & Paint	525	SF	24.85	13,046	
Drywall Layer at Exterior Wall, including Paint	3,004	SF	4.65	13,968	
Interior Shear Wall Remove/Renail, New Foundation, Stucco at Exterior	936	SF	27.50	25,740	
Roof Structure Remove/Renail	520	SF	22.00	11,440	
Flooring, Carpet Tile	480	SF	4.80	2,304	
Flooring, Wall Base at Carpet	124	LF	1.45	180	
Flooring, Ceramic Tile	1,590	SF	17.40	27,666	
Flooring, Ceramic Tile Base	394	LF	17.40	6,856	
Flooring, Concrete Sealer / Stain	3,044	SF	3.80	11,567	
Flooring, Wall Base at Concrete	540	LF	1.45	783	
Flooring, Floor Prep	5,632	SF	1.25	7,040	
Wall Tile - 84" Showers / 60" Toilets	2,370	SF	18.60	44,082	
Ceiling Panels, Tectum	4,986	SF	31.25	155,813	
Ceiling, Drywall	646	SF	21.40	13,824	
Lockers, 12 x 12 x 15	600	Ea	115.00	69,000	
Lockers, 12 x 24 x 15	80	Ea	185.00	14,800	
Locker Benches, Double Wide	120	LF	125.00	15,000	
Toilet Accessories - Toilet Partition	9	Ea	1,600.00	14,400	
Toilet Accessories - Urinal Partition	2	Ea	720.00	1,440	
Toilet Accessories - Toilet Stall Accessories	11	Ea	540.00	5,940	
Toilet Accessories - Sink Accessories	10	Ea	460.00	4,600	
Lavatory, including piping modifications	10	Ea	1,750.00	17,500	
Shower & Floor Sink, including piping modifications	14	Ea	2,525.00	35,350	
Toilet, including piping modifications	11	Ea	1,950.00	21,450	
Urinal, including piping modifications	3	Ea	1,640.00	4,920	
Fire Sprinkler System Upgrade	5,632	SF	2.95	16,614	
HVAC System Upgrade	5,632	SF	12.80	72,090	
Electrical, Lighting & Security System Upgrade	5,632	SF	16.40	92,365	
Restroom Remodel (2 Boys, 2 Girls, 2 Staff - Bldg 200)	1,800	SF	350.00	630,000	
Restroom Remodel (1 Boys, 1 Girls - Bldg 300)	708	SF	350.00	247,800	
Restroom Remodel (2 Student Restrooms - Bldg 400)	120	SF	350.00	42,000	
C1: Renovate P.E. Locker Spaces and Upgrade Staff/Student Restrooms					**1,839,056**
Markup					987,523
TOTAL					**2,826,579**

WSM Scope - ROM Study Cost Estimate 2/6/2019

C2: Remove/Replace Existing Building Walkway Pavement to Make Exterior Doors Accessible	Quantity		Rate	Subtotal	Total
Demo & Replace Walkway, 4" (Bldg 100)	15,840	SF	11.85	187,704	
Demo & Replace Walkway, 4" (Bldg 200)	8,210	SF	11.85	97,289	
Demo & Replace Walkway, 4" (Bldg 300)	8,120	SF	11.85	96,222	
Demo & Replace Walkway, 4" (Bldg 400)	1,941	SF	11.85	23,001	
Demo & Replace Walkway, 4" (Bldg 500)	4,025	SF	11.85	47,696	
Demo & Replace Walkway, 4" (Bldg 600)	4,550	SF	11.85	53,918	
C2: Remove/Replace Existing Building Walkway Pavement to Make Exterior Doors Accessible					**505,829**
Markup					271,617
TOTAL					**777,446**

C5: Remove (9) Portable Buildings, Including Special Education L.I. Offices	Quantity		Rate	Subtotal	Total
Removal of Existing Special Education L.I. Offices (Truck and Haul off, Remove Footings, Cap Utilities)	5	Ea	4,400.00	22,000	
Removal of Existing P.E. Portables (Truck and Haul off, Remove Footings, Cap Utilities)	4	Ea	4,400.00	17,600	
Relocate Existing Special Education Restroom Portable	1	LS	2,400.00	2,400	
C5: Remove (9) Portable Buildings, Including Special Education L.I. Offices					**42,000**
Markup					22,553
TOTAL					**64,553**

D: MAJOR BUILDING SYSTEMS REPAIR/REPLACEMENT

D2: Replace Old Light Fixtures and Fluorescent Lighting (Interior and Exterior):	Quantity		Rate	Subtotal	Total
Fluorescent Lighting Replacement					
Classroom Lighting Replacement	45	Ea	10,000.00	450,000	
(Costs provided by Turpin+Rattan Engineers)					
Exterior Lighting Replacement	1	LS	45,000.00	45,000	
(Costs provided by Turpin+Rattan Engineers)					
D2: Replace Old Light Fixtures and Fluorescent Lighting (Interior and Exterior):					**495,000**
Markup					265,802
TOTAL					**760,802**

D3: Remove and Replace Existing Exterior Doors and Windows	Quantity		Rate	Subtotal	Total
Building 100					
Door Replacement, Single 3'0" x 7'0", incl Hardware	1	Sng	1,850.00	1,850	
Door Replacement, Single 3'6" x 7'0", incl Hardware	18	Sng	1,925.00	34,650	
Door Replacement, Pair 6'0" x 7'0", incl Hardware	3	Pr	2,250.00	6,750	
Card Reader	22	Sng	1,050.00	23,100	
Door Closer	25	Ea	325.00	8,125	
Window Replacement, Fixed	3,692	SF	46.00	169,832	
Building 200					
Door Replacement, HM, 3'0" x 7'0", incl Hardware	28	Sng	1,850.00	51,800	
Card Reader	28	Sng	1,050.00	29,400	
Door Closer	28	Ea	325.00	9,100	
Window Replacement, Fixed	7,825	SF	46.00	359,950	

Pre-Schematic Cost Estimate Detail

WSM Scope - ROM Study Cost Estimate 2/6/2019

Building 300				
Door Replacement, Single 3'0" x 7'0", incl Hardware	29 Sng	1,850.00	53,650	
Door Replacement, Single 3'6" x 7'0", incl Hardware	2 Sng	1,925.00	3,850	
Door Replacement, Pair 6'0" x 7'0", incl Hardware	5 Pr	2,250.00	11,250	
Card Reader	36 Sng	1,050.00	37,800	
Door Closer	41 Ea	325.00	13,325	
Window Replacement, Fixed	4,756 SF	46.00	218,776	
Building 400				
Door Replacement, Single 3'0" x 7'0", incl Hardware	3 Sng	1,850.00	5,550	
Door Replacement, Single 3'6" x 7'0", incl Hardware	1 Sng	1,925.00	1,925	
Door Replacement, Pair 6'0" x 7'0", incl Hardware	9 Pr	2,250.00	20,250	
Door Replacement, Pair 7'0" x 7'0", incl Hardware	1 Pr	2,375.00	2,375	
Card Reader	14 Sng	1,050.00	14,700	
Door Closer	24 Ea	325.00	7,800	
Window Replacement, Fixed	701 SF	46.00	32,246	
Building 500				
Door Replacement, Single 3'0" x 7'0", incl Hardware	3 Sng	1,850.00	5,550	
Door Replacement, Single 3'6" x 7'0", incl Hardware	4 Sng	1,925.00	7,700	
Door Replacement, Pair 6'0" x 7'0", incl Hardware	4 Pr	2,250.00	9,000	
Card Reader	11 Sng	1,050.00	11,550	
Door Closer	15 Ea	325.00	4,875	
Window Replacement, Fixed	1,279 SF	46.00	58,834	
Building 600				
Door Replacement, Single 3'0" x 7'0"	3 Sng	1,850.00	5,550	
Door Replacement, Single 3'6" x 7'0"	1 Sng	1,925.00	1,925	
Door Replacement, Pair 6'0" x 7'0"	5 Pr	2,250.00	11,250	
Card Reader	9 Sng	1,050.00	9,450	
Window Replacement, Fixed	654 SF	46.00	30,084	
D3: Remove and Replace Existing Exterior Doors and Windows				**1,273,822**
Markup				684,008
TOTAL				**1,957,830**

D4: Upgrade Classroom and Administration Interiors (Paint, Flooring, Ceiling & Casework)	Quantity		Rate	Subtotal	Total
Building 100					
Building 100 - Admin Interior Remodel	3,924	SF	200.00	784,800	
Typical Classrooms (6)					
Remove Existing Casework - Classrooms	30	LF	35.00	1,050	
Flooring, Carpet - Classroom	4,893	SF	4.60	22,508	
Flooring, Wall Base - Classroom	691	LF	1.45	1,002	
Ceiling, Cloud System - Classroom	1,008	SF	14.20	14,314	
Modular Wall/Display - Classroom	3,720	SF	27.50	102,300	
(20% Whiteboard, 20% Writable Glass, 40% Tackable Surface, 20% Slateboard Panel)					
Paint, Interior Walls - Classrooms	7,947	SF	1.05	8,344	

WSM Scope - ROM Study Cost Estimate 2/6/2019

Art Classrooms (2)				
Flooring, VCT - Art Labs	2,357	SF	4.85	11,431
Flooring, Wall Base - Art Labs	284	LF	1.45	412
Paint Interior Walls - Art Labs	3,266	SF	1.05	3,429
Ceiling, Cloud System - Classroom	336	SF	14.20	4,771
Modular Wall/Display - Classroom	1,240	SF	27.50	34,100
(20% Whiteboard, 20% Writable Glass, 40% Tackable Surface, 20% Slateboard Panel)				
Remove/Replace Existing Casework - Art Labs	18	LF	375.00	6,750
Replace Sinks - Art Labs	4	Ea	540.00	2,160
Science Classrooms (5) + Prep Rooms				
Flooring, VCT - Science Classroom	6,439	SF	4.85	31,229
Flooring, Wall Base - Science Classroom	801	LF	1.45	1,161
Paint Interior Walls - Science Classroom	9,212	SF	1.05	9,672
Ceiling, Cloud System - Classroom	840	SF	14.20	11,928
Replace Countertops, Epoxy Resin - Science CR	270	LF	225.00	60,750
Replace Islands Countertops/Sinks - Science CR	5	Ea	2,565.00	12,825
Replace Sinks - Science Classroom	50	Ea	540.00	27,000
Robotics/Makerspace Classrooms (2)				
Flooring, Re-Seal Polish Concrete	3,167	SF	1.90	6,017
Flooring, Wall Base	324	LF	1.45	470
Ceiling, Cloud System - Classroom	336	SF	14.20	4,771
Modular Wall/Display - Classroom	1,240	SF	27.50	34,100
(20% Whiteboard, 20% Writable Glass, 40% Tackable Surface, 20% Slateboard Panel)				
Paint Interior Walls	3,726	SF	1.05	3,912
Remove/Replace Existing Casework	12	LF	350.00	4,200
Woodshop (1)				
Flooring, Re-Seal Polish Concrete - Woodshop	1,951	SF	1.90	3,707
Flooring, Wall Base - Woodshop	178	LF	1.45	258
Computer Lab (1)				
Flooring, Carpet - Computer Lab	1,541	SF	4.60	7,089
Flooring, Wall Base - Computer Lab	160	LF	1.45	232
Paint Interior Walls - Computer Lab	1,840	SF	1.05	1,932
Building 200				
Typical Classrooms (10)				
Remove Existing Casework - Classrooms	50	LF	35.00	1,750
Flooring, Carpet - Classroom	8,156	SF	4.60	37,518
Flooring, Wall Base - Classrom	1,146	LF	1.45	1,662
Ceiling, Cloud System - Classroom	1,680	SF	14.20	23,856
Modular Wall/Display - Classroom	6,200	SF	27.50	170,500
(20% Whiteboard, 20% Writable Glass, 40% Tackable Surfave, 20% Slateboard Panel)				
Paint, Interior Walls - Classrooms	13,179	SF	1.05	13,838
Staff Lounge				
Remove Existing Casework - Staff Lounge	30	LF	35.00	1,050
Replace Existing Casework, Lower - Staff Lounge	30	LF	420.00	12,600
Replace Existing Casework, Upper - Staff Lounge	30	LF	260.00	7,800
Flooring, VCT - Staff Lounge	770	SF	4.85	3,735
Flooring, Wall Base - Staff Lounge	194	LF	1.45	281
Paint Interior Walls - Staff Lounge	2,231	SF	1.05	2,343

Pre-Schematic Cost Estimate Detail

WSM Scope - ROM Study Cost Estimate 2/6/2019

Building 300				
Typical Classrooms (17)				
Remove Existing Casework - Classrooms	85 LF	35.00	2,975	
Flooring, Carpet - Classroom	12,950 SF	4.60	59,570	
Flooring, Wall Base - Classrom	1,824 LF	1.45	2,645	
Ceiling, Cloud System - Classroom	2,856 SF	14.20	40,555	
Modular Wall/Display - Classroom	10,540 SF	27.50	289,850	
(20% Whiteboard, 20% Writable Glass, 40% Tackable Surfave, 20% Slateboard Panel)				
Paint, Interior Walls - Classrooms	21,888 SF	1.05	22,982	
Typical Offices (2)				
Flooring, Carpet - Offices	288 SF	4.60	1,325	
Flooring, Wall Base - Offices	96 LF	1.45	139	
Interior Walls, including Drywall & Paint	120 SF	23.45	2,814	
Data Drops, including Conduit/Wire	60 Ea	380.00	22,800	
Art Classroom (1)				
Flooring, VCT - Art Labs	1,203 SF	4.85	5,835	
Flooring, Wall Base - Art Labs	142 LF	1.45	206	
Ceiling, Cloud System - Classroom	168 SF	14.20	2,386	
Modular Wall/Display - Classroom	620 SF	27.50	17,050	
(20% Whiteboard, 20% Writable Glass, 40% Tackable Surface, 20% Slateboard Panel)				
Paint Interior Walls - Art Labs	1,633 SF	1.05	1,715	
Building 400				
Music Classrooms (2)				
Flooring, Carpet - Classroom	3,488 SF	4.60	16,045	
Flooring, Wall Base - Classrom	431 LF	1.45	625	
Ceiling, Cloud System - Classroom	336 SF	14.20	4,771	
Modular Wall/Display - Classroom	1,240 SF	27.50	34,100	
(20% Whiteboard, 20% Writable Glass, 40% Tackable Surface, 20% Slateboard Panel)				
Paint, Interior Walls - Classrooms	4,957 SF	1.05	5,204	
D4: Upgrade Classroom and Administration Interiors (Paint, Flooring, Ceiling & Casework)				**2,029,148**
Markup				1,089,598
TOTAL				**3,118,746**

D4: Upgrade Exteriors (Stucco Repair, Paint, Louver Removal, Administration Signage, HVAC Screens)	Quantity	Rate	Subtotal	Total
Entrance Construction/Signage Construction	1 LS	175,000.00	175,000	
Allowance for momument wall, seat wall, foundations, canopy, metail signage letters, landscaping and irrigation				
Building 100				
Exterior Wall Paint	18,216 SF	1.15	20,948	
Exterior Wall Louver, Removal/Patch/Painting	498 LF	75.00	37,350	
Stucco Patching at Exterior Wall	18,216 SF	7.75	141,174	
Building 200				
Exterior Wall Paint	9,442 SF	1.15	10,858	
Exterior Wall Louver, Removal/Patch/Painting	593 LF	75.00	44,475	
Stucco Patching at Exterior Wall	9,442 SF	7.75	73,172	
Building 300				
Exterior Wall Paint	9,338 SF	1.15	10,739	
Exterior Wall Louver, Removal/Patch/Painting	910 LF	75.00	68,250	
Stucco Patching at Exterior Wall	9,338 SF	7.75	72,370	
Building 400				
Exterior Wall Paint	14,988 SF	1.15	17,236	
Exterior Wall Louver, Removal/Patch/Painting	195 LF	75.00	14,625	
Stucco Patching at Exterior Wall	14,988 SF	7.75	116,157	

WSM Scope - ROM Study Cost Estimate 2/6/2019

Building 500				
Exterior Wall Paint	4,894 SF	1.15	5,628	
Exterior Wall Louver, Removal/Patch/Painting	58 LF	75.00	4,350	
Stucco Patching at Exterior Wall	4,894 SF	7.75	37,927	
Building 600				
Exterior Stucco Paint	6,525 SF	1.15	7,504	
Stucco Patching at Exterior Wall	6,525 SF	7.75	50,569	
Rooftop HVAC Screen	2,500 LF	405.00	1,012,500	
D4: Upgrade Exteriors (Stucco Repair, Paint, Louver Removal, Administration Signage, HVAC				**1,920,831**
Markup				1,031,435
TOTAL				**2,952,266**

D11: Replace Existing Paving at Fire Lane	Quantity	Rate	Subtotal	Total
Demolish Existing AC Paving	10,700 SF	1.35	14,445	
New AC Paving	10,700 SF	5.20	55,640	
Chain Link Fence, 10'	174 LF	52.50	9,135	
Vehicular Gate, 20'	1 Ea	1,600.00	1,600	
D11: Replace Existing Paving at Fire Lane				**80,820**
Markup				43,398
TOTAL				**124,218**

D12: Site Drainage Improvements	Quantity	Rate	Subtotal	Total
Site Drainage Upgrades	1 LS	65,000.00	65,000	
(Allowance for concrete ditch/cutoff wall repairs at slope)				
D12: Site Drainage Improvements				**65,000**
Markup				34,903
TOTAL				**99,903**

D19: Sound System Upgrades at Auditorium Building	Quantity	Rate	Subtotal	Total
Sound System Upgrades	1 LS	50,000.00	50,000	
(Costs provided by Turpin+Rattan Engineers)				
D19: Sound System Upgrades at Auditorium				**50,000**
Markup				26,849
TOTAL				**76,849**

Pre-Schematic Cost Estimate Detail

WSM Scope - ROM Study Cost Estimate 2/6/2019

F: QUALITY NEIGHBORHOOD SCHOOLS					
F1: Improve P.E. Facilities to Accommodate P.E. Activity/Multi-Purpose Space	**Quantity**		**Rate**	**Subtotal**	**Total**
Building 600 - P.E. Activity Room / Multi-Purpose					
Demo Interior Finishes	320	MH	72.00	23,040	
(Including Walls, Flooring, Lockers, Casework, Accessories, Plumbing and other Required Items)					
Haul Off Waste & Dump Fees	120	CY	33.50	4,020	
Door, Frame & Hardware, HM, Pair 6'0" x 7'0"	2	Pr	2,250.00	4,500	
Drywall Layer at Exterior Wall, including Paint	2,036	SF	4.65	9,468	
Interior Shear Wall Remove/Renail	2,808	SF	27.50	77,220	
Exterior Wall Stucco Replacement	936	SF	15.50	14,508	
Roof Structure Remove/Renail	1,300	SF	22.00	28,600	
Flooring, Sport Padding	3,068	SF	6.85	21,016	
Flooring, Wall Base at Sport Padding	222	LF	1.70	377	
Flooring, Floor Prep	3,068	SF	1.25	3,835	
Wall Padding	932	SF	16.50	15,385	
Ceiling Panels, Tectum	3,068	SF	31.25	95,875	
Paint Exterior Stucco	2,715	SF	1.15	3,122	
Fire Sprinkler System Upgrade	3,068	SF	2.95	9,051	
HVAC System Upgrade	3,068	SF	10.80	33,134	
Electrical, Lighting & Security System Upgrade	3,068	SF	16.40	50,315	
F1: Improve P.E. Facilities to Accommodate P.E. Activity/Multi-Purpose Space					**393,466**
Markup					211,280
TOTAL					**604,746**

WSM Scope - ROM Study Cost Estimate 2/6/2019

YY: UPGRADE STUDENT FOOD SERVICE AREAS AND KITCHEN					
Demolish Existing Servery Finishes & Equipment	4,129	SF	4.60	18,993	
Servery Finishes (Quarry Tile, Ceilings, Wall Finishes)	4,129	SF	44.00	181,676	
Office Finishes (Flooring, Ceilings, Wall Finishes)	137	SF	44.00	6,028	
Restrooms Finishes (Fixtures, Tile, Wall Finishes)	107	SF	165.00	17,655	
New Walls	660	SF	25.00	16,500	
Food Service Equipment	1	LS	786,436.71	786,437	
(Quote from Food Service Design Group)					
Food Service					**1,027,289**
Markup					551,627
TOTAL					**1,578,916**

YY: GYMNASIUM - OPTION 1 (IN SLOPE CONSTRUCTION)					
Gym Construction	9,600	SF	355.00	3,408,000	
Lobby Construction	600	SF	330.00	198,000	
Restroom/Support Construction	1,800	SF	475.00	855,000	
Outdoor Covered Area Construction	2,550	SF	125.00	318,750	
Additional Scope for "In Slope" Construction					
Export & Haul Excess Soil	5,875	CY	12.75	74,909	
Import & Backfill Below Grade Walls	534	CY	60.00	32,047	
Demo Existing Ramp and Stairs	1	LS	3,000.00	3,000	
Concrete Site Stairs	1	LS	13,800.00	13,800	
Waterproofing Below Grade Walls	5,026	SF	14.35	72,116	
Premium for Thicker Below Grade Walls (12" vs 8")	5,026	SF	4.80	24,122	
Footing Drain at Below Grade Walls	286	LF	41.50	11,869	
Elevator, w/ Cab Finishes	2	Stp	90,000.00	180,000	
Steel Stairs, w/ Concrete Fill	1	Flt	35,500.00	35,500	
Gymnasium - Option 1					**5,227,113**
Markup + Additional 5% Design Contingency					3,172,605
TOTAL					**8,399,718**

GRAND TOTAL (Including Gym Option 1)	**32,086,786**

YY: GYMNASIUM - OPTION 2 (UPPER FIELD LEVEL CONSTRUCTION)					
Gym Construction	9,600	SF	355.00	3,408,000	
Lobby Construction	1,200	SF	330.00	396,000	
Restroom/Support Construction	1,200	SF	475.00	570,000	
Outdoor Covered Area Construction	2,350	SF	125.00	293,750	
Gymnasium - Option 2					**4,667,750**
Markup + Additional 5% Design Contingency					2,833,099
TOTAL					**7,500,849**

GRAND TOTAL (Including Gym Option 2)	**31,187,917**



SECTION 5 :
Appendix

Roesling Nakamura Terada Architects
www.rntarchitects.com
363 Fifth Ave | Ste 202 | San Diego CA 92101 | P619.233.1023 | F619.233.0016

Meeting / Phone Notes:

Reported by:

Parties involved:
GERMAN, CT, RD S

Project: MARSTON

Project No:

Date: 19 DEC 2017

Copies to:

❑ Owner ❑ Contractor

Page of

- WHOLE SITE MODERNIZATION
  - GERMAN TO DETERMINE WHAT HAS BEEN DONE, TECHNOLOGY WISE
  - HVAC UNDER SEPERATE CONTRACT
  - JOINT USE - IN THE FUTURE, NOT IN SCOPE

PRINCIPAL
- CAPACITY IS GOOD
- HIGH TECH CHARACTER
- GYM - OR MULTI-USE
- LOUVERS, CAN THEY BE REMOVED
- HAZMAT REPORT
  - TARGET AREAS

"CONTEMPORARY"
BRICK VS STONE

- SPREAD SHEET OF ITEMS.
- PRESCHEMATIC ASSESSMENT.
  - COST ESTIMATE
- PUBLIC MEETING
  - DESIGN TASK FORCE
  - LISTENING FOR EXPECTATIONS
  - VICINITY / CONTEXT. MAP
- IMPROVEMENT NEEDS TO BE VISIBLE
- 27th. AFTER LUNCH 1:~~35~~ pm

Roesling Nakamura Terada Architects
www.rntarchitects.com
363 Fifth Ave | Ste 202 | San Diego CA 92101 | P619.233.1023 | F619.233.0016

MEETING NOTES

Project: **Marston Middle School**

RNT Job No.: 17800

Date of report: January 16, 2018

Reported by: Sharlene Angeles

Meeting Subject: Marston MS: **Pre-Schematic/WSM Scope**

Meeting Date: January 10, 2018

Location: Marston Middle School

Attendees:

Jon Gollias	Marston MS, Principal
German Rearte	SDUSD, Project Manager
Chikako Terada	RNT Arch, Project Principal
Raul Diaz	RNT Arch, Project Manager
Sharlene Angeles	RNT Arch, Project Architect

	DISCUSSION ITEMS	ACTION
1.0	**Purpose of Meeting and General Information**	na
	• Meeting to discuss potential scope items for the Marston MS Whole Site Modernization project.	na
2.0	**Meeting Discussion Items** • General WSM project goals were discussed. • Completed scope items of Prop S and Prop Z were reviewed and discussed. • WSM potential scope items, including remaining Prop S & Z improvements and additional items compiled by Marston MS, were reviewed and discussed.	na
2.1	**General WSM Goals** • Identify scope priorities based on Prop S and Prop Z voters' guide items. • Address DSA requirements for accessibility, safety, etc. as necessary for areas being improved. • SDUSD can handle some technology/equipment related items separately. • Current total construction budget is estimated as $9.8 million; GR to verify. • There will be (3) Design Task Force community meetings to provide additional feedback on the project scope and priorities.	**SDUSD, RNT**
2.2	**Completed Prop S & Z Scope Items** • HVAC upgrades for the campus are currently in progress and are scheduled to be completed by Fall 2019. • An upgraded dust collection system for the wood shop area has been completed. • 21st century technology upgrades including interactive whiteboards, A/V capabilities, fiber optics, and a wireless network have been completed for the campus. JG would prefer wall-mounted Promethean boards in lieu of the freestanding models, and issues with the current wireless network were discussed. • Security lighting, security cameras, and perimeter fencing and gates have been installed. • An external P.A. system for the campus has been installed. Marston still needs an internal P.A. system for all of the buildings. • New college, career and technical education facilities were completed. • The existing wood stage floors at the Auditorium were refinished. • JG noted that there are no issues with the current fire alarm system. • Refer to Exhibit 1 for additional notes.	**SDUSD, RNT**
2.3	**WSM Potential Scope: Remaining Prop S & Z Items** • Student/bus drop-off and pick-up areas and general vehicular circulation need improvement. JG noted this as a high priority item and suggested providing a more "impressive" drop-off/parking area on the East side of campus. • Marston is also lacking sufficient parent and staff parking. Some of the staff currently use the adjacent neighborhood streets for parking. • JG noted food service area renovations as a very low priority item. • All student and staff restrooms and locker rooms are in need of improvements. Several student restrooms do not meet current accessibility requirements. • Outdated showers are no longer needed in the student locker rooms. Lockers are old and damaged, and many could be removed to allow for more open space in the locker rooms. • JG suggested the possibility of relocating the locker rooms to the adjacent classroom building or reconfiguring the layout to accommodate a larger indoor fitness center space. • JG suggested that the existing relos to the East of the P.E. building be removed from the campus. • JG stated that he is not aware of any current electrical, plumbing or sewer issues. Only a couple issues have emerged over the years, and they have been addressed. • Building interiors need improvements, including paint, flooring, windows, and light fixtures (especially the classrooms with 80% usage). JG also suggested that outdated casework be removed from the classrooms to add more usable floor space.	**SDUSD, RNT**

	• Acoustic issues between classrooms were also noted. • Updates to all building exteriors are needed to enhance curb appeal. JG suggested updating the overall paint color scheme for the campus and updating the existing awnings and covered walkways. (JG likes the color scheme of the newer Library building on campus). • JG stated there is a great need for a gymnasium, especially with the aging portables that will be removed. JG believes an indoor gymnasium would be the best long-term solution for lacking P.E. facilities. • Both the exterior upgrades and the physical education facility upgrades were noted as high priority items. • Upgrades to the sound panel/booth are needed at the existing Auditorium. • Refer to Exhibit 1 for additional notes.	
2.4	**WSM Potential Scope: Additional Items Compiled by Marston MS** • JG suggested that the "Low Incidence" annex relos be removed from the East side of campus, and that the occupants be relocated to the existing underutilized classroom building or to another campus. This would allow for a larger drop-off/parking area on the East side of the campus. GR to contact Lorelei Olsen for coordination (SDUSD Spec. Ed.) • JG believes that more physical education and multi-purpose space is needed for the campus, and he noted the addition of a new gymnasium building as the highest priority item. CT suggested that additional physical education/multi-purpose space could be accommodated in a large outdoor covered area in lieu of adding a new building. • JG noted as a potential scope item that the Admin. building be updated to: create a more open space for the lobby/reception area, connect the counseling and student services spaces, and incorporate new attractive finishes and flooring. (Refer to Exhibit 3, sketch provided by JG). • JG also noted additional exterior updates, including modern school signage (aluminum letters), new lunch area benches, and an outdoor covered stage, as potential stope items to consider. • The Primetime after school program prefers to have (1) large room in lieu of (2) smaller rooms; JG suggested combining rooms 115 and 116. • Refer to Exhibit 2 for additional notes.	**SDUSD, RNT**
2.5	**Additional Items** • Current student enrollment is around 700. • Current full-time and part-time staff is between 70-85 • Currently about 25 classrooms out of 40 are being utilized by the school. JG to provide a list of classrooms with 80% usage. • RNT to provide PowerPoint presentation and public handouts for the first Design Task Force community meeting, to be held on Wed. Jan. 24.	**JG, RNT**

End of Meeting Notes

These notes will be considered substantially correct and complete, and comments will be integrated into the design process unless otherwise notified in writing within five working days of receipt.

EXHIBIT 1

MARSTON MIDDLE SCHOOL WSM - SCOPE OF WORK 1/10/2018

Project Improvements	Prop Funding	Within Scope	Status	Priority	
Provide 21st century technology upgrades, including audiovisual projection capabilities for all students →PREFER UPGRADES	S & Z	?	May be done ✓		
Enhance fiber optics in classrooms to increase bandwidth, which facilitates multiple concurrent applications →PREFER UPGRADES	S & Z	?	May be done ✓		
Install a wireless network (WIFI) →OK	S & Z	?	May be done ✓		
Improve the bus drop-off and pick-up area and improve vehicular circulation and parking area	S			HIGH	*
Install security lighting, as well as, increase vandalism and intrusion safeguards, including modifications to fencing and gates (JG NOT CONCERNED) →INSTALLED SEC. CAMERAS, NIGHT LIGHTING, PERIMETER GATES	S & Z	No	Completed		
Provide site safety communication system (P.A. SYSTEM) →STILL NEED INTERNAL P.A.	S & Z		✓		
Remove or minimize risks of any potentially hazardous material throughout the facility	S		N/A		
Renovate food service areas to increase service efficiency, provide healthier food choices and improve eating environment →NOT A PRIORITY (JG)	S & Z			LOW	
Install three-compartment sink in kitchen →GR WILL DISCUSS W/ DIST. FACILITIES (HANDLE THRU MAINT. DEPT?)	S			LOW	
Join with the City of San Diego to co-fund joint-use playfie	S	No	TBD		
Renovate student and staff restrooms and locker rooms	S			MED.	*
Improve accessibility to all classrooms, labs, restrooms and other school facilities to comply with accessibility regulations, including ADA Title I & II	S & Z			AS NEEDED	*
Repair/replace/remove old portable classrooms to comply with code requirements →REMOVE SE RELOS ESP.	S & Z			MED.	
Replace aging wiring and upgrade electrical systems →NO CONCERNS	S & Z			LOW	
Repair/replace sidewalks	S			AS NEEDED	
Repair/upgrade building interiors, finishes and fixtures, including acoustical improvements	S & Z				*
Repair/replace inefficient heating and ventilation systems	S	No	In process		
Repair/replace deteriorating plumbing and sewer lines as needed	S & Z			LOW	
Address site drainage problems	S			LOW	
Improve ventilation system in wood shop area	S	No	Completed		
Repair/replace building exterior as needed	S & Z			HIGH	*
Repair/replace/upgrade performance spaces/multipurpose rooms	S				
Replace cracked/broken exterior concrete and infrastruc	Z				

2

DISTRICT MEETINGS

EXHIBIT 1

Repair or replace deteriorated roofs →NO ISSUES	Z			LOW
Repair or resurface parking lots and playground surfaces in poor condition; improve physical education, athletic facilities and turf fields	Z			HIGH
Repair, replace worn or damaged doors and windows →ISSUES W/ WINDOWS	Z			
Replace or upgrade auditorium sound and public address systems	Z			
Replacement of old light fixtures and fluorescent light ballasts	Z			
Resurfacing and grading of decomposed granite playgrounds and fields; improve physical education, athletic facilities and turf fields	Z			
Sand and refinish wood stage, gym and classroom floors →REFINISHED AUD. STAGE ✓	Z	REPLACE CARPET IN CR'S		
Construct college, career and technical education facilities	Z	No	Done ✓	
Replace obsolete fire alarms and update emergency communications systems →NO ISSUES W/ F/A, NEED INTERNAL PA (CR BLDGS)	Z			
New gymnasium/multipurpose room	N/A			HIGHEST *

EXHIBIT 2

Chikako Terada

From: Rearte German <grearte@sandi.net>
Sent: Friday, January 05, 2018 4:09 PM
To: Chikako Terada; Raul Diaz
Subject: Marston MS WSM - Principal's Potential Scope List

Good afternoon Chikako/Raul and Happy New Year,

In preparation for next week's meeting, please find attached a list compiled by Jon Gollias (principal at Marston MS) of potential items for consideration to be incorporated into the scope of the WSM.

See you next week.

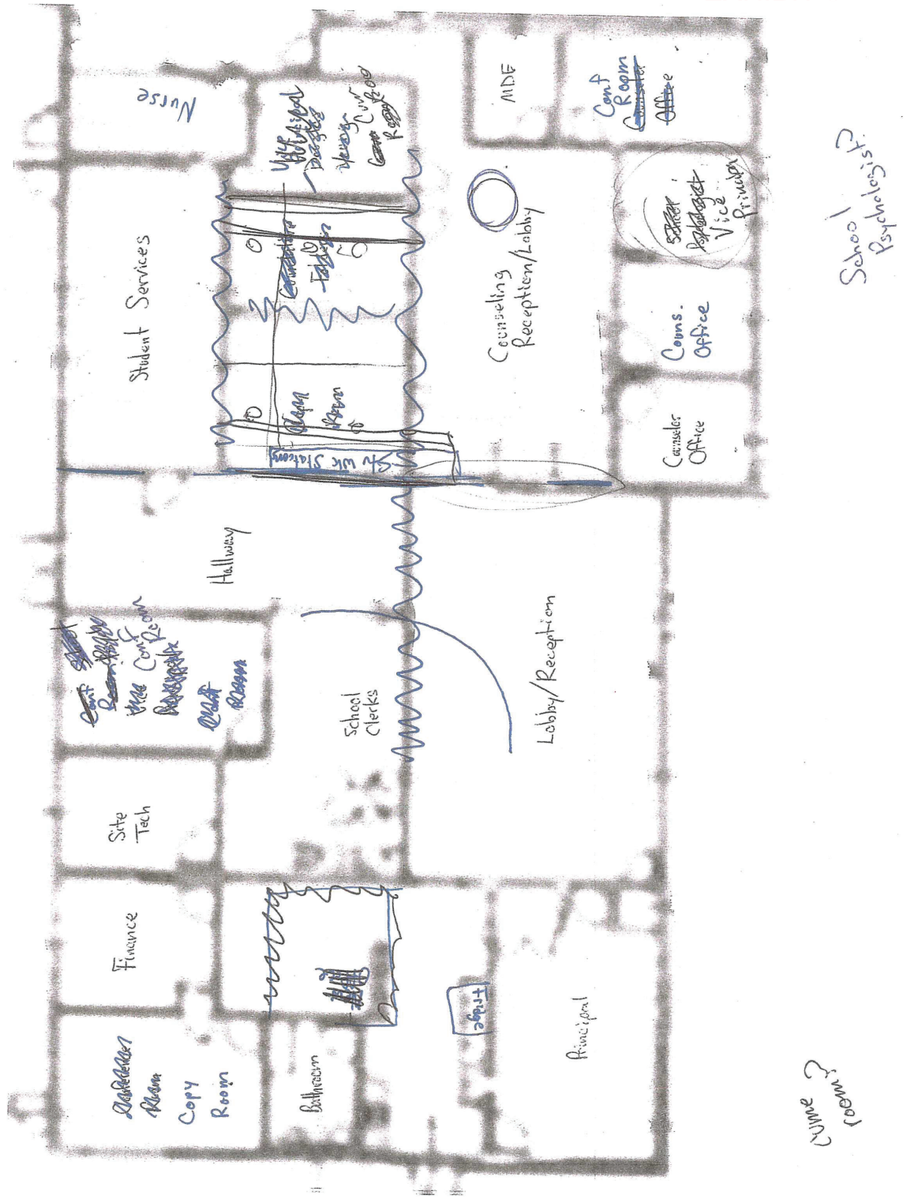
Area	Needs
Main Office	unique, attractive flooring
	combine Counseling Office and Student Services
	remove middle wall between receptionist and attendance
	install curved counter-height wall to separate clerk workstations from lobby/hallway
Auditorium	Modernize sound panel/booth
	Flooring and paint in foyer
Locker Rooms/ Fitness Center	locker rooms need modernization
	fitness center needs paint
East Side/Bungalows	Gymnasium
	remove portables
	create impressive drop off area and additional parking spaces
Rooms 115 and 116	combine rooms to make suitable Primetime Room (these rooms were previously one room)

1

EXHIBIT 2

124	Will be Digital Media Room (N/A)
Bathrooms	Paint
	New stalls
	Flooring
Staff Workroom	Paint
Cafeteria	Remove sound booth
	Paint
Classrooms	carpet or less expensive alternative (stained concrete?)
	paint (accent wall?)
	remove old cabinets (increase floor space)
	do not invest in the block of classrooms that will likely remain vacant
	internal P.A. systems
	modernized phone systems
	wireless connectivity
Building Exteriors	Modernize awnings (consider removing in some cases)
	Paint doors and trim brown
	paint brick or replace with modern stone veneer
	paint 100 building tan (like library) (FRONT ELEV. ALONG CLAIREMONT DR.)
	Marston Middle School aluminum lettering along Clairemont Drive (curb appeal)
Lunch Area	New benches
	Stage with awning and electrical

EXHIBIT 3



Roesling Nakamura Terada Architects
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MEETING NOTES

Project:	**Marston Middle School**
RNT Job No.:	17800
Date of report:	January 25, 2018
Reported by:	Sharlene Angeles

Meeting Subject: Marston MS: **Pre-Schematic/WSM Problem Solving**

Meeting Date: January 22, 2018

Location: FPC District Offices

Attendees:

Lee Dulgeroff	SDUSD, Chief FPC Officer
Gary Stanford	SDUSD, FPC Director PM
Francisco Campuzano	SDUSD, Project Manager
German Rearte	SDUSD, Project Manager
--	SDUSD, --
--	SDUSD, --
Ralph Roesling	RNT Arch, Project Principal
Chikako Terada	RNT Arch, Project Principal
Sharlene Angeles	RNT Arch, Project Architect

	DISCUSSION ITEMS	ACTION
1.0	**Purpose of Meeting and General Information**	n/a
	• Problem solving meeting to discuss potential scope items for the Marston MS Whole Site Modernization project.	n/a
2.0	**Meeting Discussion Items** • General WSM project goals. • Potential scope items from the Prop S and Prop Z voter's guide. • The Powerpoint presentation for the first Design Task Force meeting.	n/a
2.1	**General WSM Goals** • Identify scope priorities based on the modernization improvements listed in the Prop S and Prop Z voter's guide. • Assess needs for accessibility upgrades as scope develops and prepare to discuss WSM scope with DSA during design phase. • Current total construction budget is estimated at $11.8 million, with total hard costs estimated at $8.8 million. • Project funding will be based on 2019 bond issuance.	SDUSD, RNT
2.2	**WSM Potential Scope Discussion** • Prop Z voter's guide includes improvements to P.E./athletic facilities and turf fields. • The existing locker rooms are in need of improvements. The existing, oversized shower areas could be repurposed, and more space could be used for the fitness center, larger P.E. lockers, and/or additional P.E. storage. • GS noted that the District typically leaves a few showers in the locker rooms so that the campus facilities can be used as an evacuation center. • District noted that it is not typical for SDUSD middle schools to have gymnasiums. Some additional outdoor covered areas for the P.E. program could be designed as an alternative. • The addition of a joint-use play field is listed in the Prop S voter's guide items. An agreement would be established for the city of San Diego to maintain the field. The District prefers natural turf for middle schools. • Marston MS has about 5 acres that could be improved as joint-use fields. RNT to assess Marston MS/community needs and verify city requirements. • Prop S and Z scope items include removing/replacing/repairing existing portables. The District prefers to remove as many portables from the campus as possible. • The library, auditorium, and wood shop classrooms have all undergone recent improvements. • Exterior building upgrades can be included in the scope as a way of enhancing the campus identity. Existing planters/benches in the outdoor lunch areas could also be improved. • Consider maintaining the school's mid-century modern look with original brick accents. • Prop S scope items include improving the bus drop-off/pick-up and parking areas. If a new drop-off area becomes a major consideration for WSM scope, it would be easier to use the existing curb cuts and avoid major coordination with the city. RNT will explore options for adding a new drop-off area on campus. • There could be a design opportunity to extend the school's frontage along Ute Dr. (closer to Waco St.) if the Spec. Ed. Low Incidence relos can be removed. • Additional covered areas could be added around the cafeteria building to enhance the lunch area and provide versatile activity space. • Options for solar panels should be explored for any new covered areas to provide some pay-back opportunities. • The principal at Marston noted modernizing the Admin areas as a desired scope item. The Admin areas should provide a positive first impression to visitors as well as safety/security for the students/staff. • There are some potential accessibility concerns related to the door thresholds at the classroom buildings. RNT to assess existing conditions and discuss with DSA. It was also noted that the existing concrete sidewalks are in good condition.	SDUSD, RNT

	• The classroom interiors are also in need of some modernization. Repairing the existing skylights could be a good design opportunity to enhance natural daylighting inside the classrooms. RNT to explore design solutions. • The District noted that there was significant termite remediation required when the library was added. • Energy-efficient HVAC upgrades will be completed later this year. The District suggested including some cosmetic mechanical screens as part of the WSM scope. RNT to explore design solutions.	
2.3	**DTF Meeting Discussion** • Public handouts are not typically encouraged by SDUSD at the DTF meetings. • Suggested Powerpoint presentation revisions: - Condense wording for Prop S and Z potential scope items. - Include more images to show existing campus conditions. - Remove "Items for Consideration" slide based on items discussed with Marston MS. - Keep "Comments" slide at end of presentation.	**RNT**
2.4	**Additional Items** • IFPD does not predict more than 750 student enrollment by 2024. • The first Design Task Force community meeting will be held on Wed. Jan. 24, at 6:00 pm in the Marston MS library.	n/a

End of Meeting Notes

These notes will be considered substantially correct and complete, and comments will be integrated into the design process unless otherwise notified in writing within five working days of receipt.

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MEETING NOTES

Project:	**Marston Middle School**
RNT Job No.:	17800
Date of report:	February 22, 2018
Reported by:	Sharlene Angeles

Meeting Subject: Marston MS: **Pre-Schematic/WSM Preliminary Design Concepts**

Meeting Date: February 12, 2018

Location: FPC District Offices

Attendees:

Lee Dulgeroff	SDUSD, Chief FPC Officer
Francisco Campuzano	SDUSD, Project Manager
German Rearte	SDUSD, Project Manager
Chikako Terada	RNT Arch, Project Principal
Sharlene Angeles	RNT Arch, Project Architect

Attachments: RNT concept plans

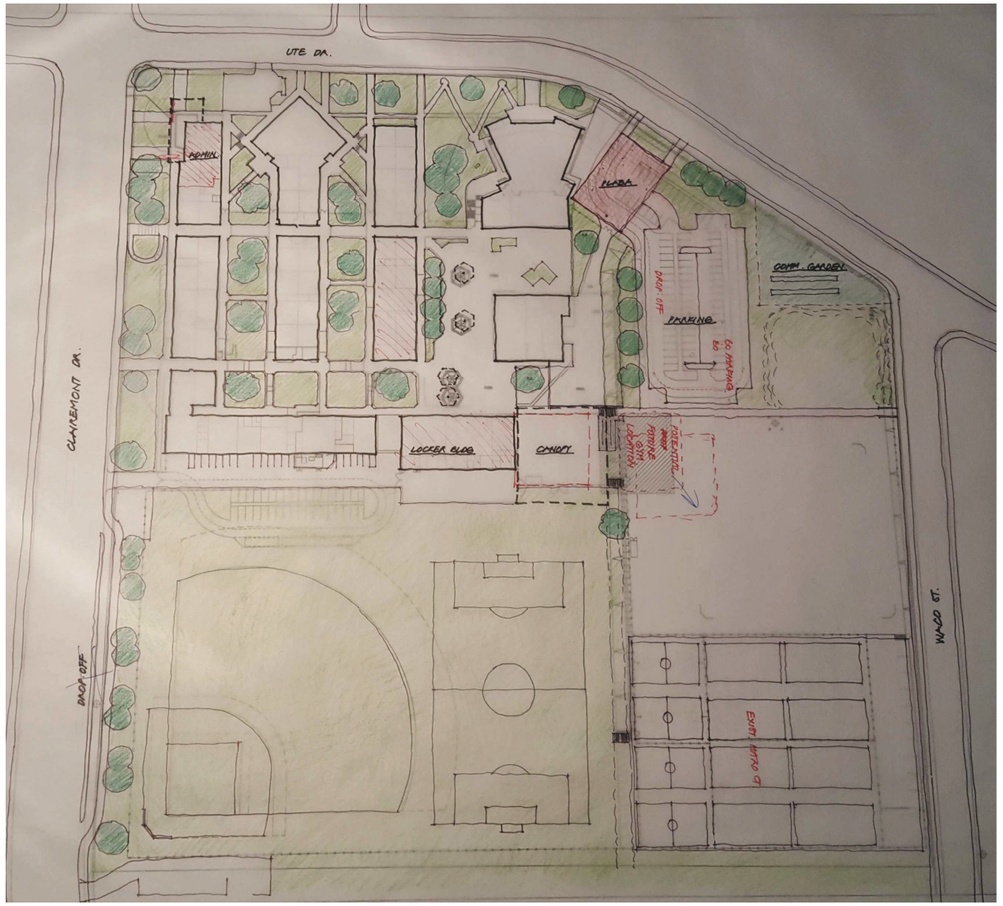
	DISCUSSION ITEMS	ACTION
1.0	**Purpose of Meeting and General Information**	n/a
	• Meeting with the District to discuss preliminary design concepts to be presented at the upcoming Design Task Force community meeting for the Marston MS Whole Site Modernization project.	n/a
2.0	**Meeting Discussion Items** • Proposed drop-off/parking • P.E. facility/joint-use upgrades • Admin/Classroom building upgrades	n/a
2.1	**Proposed Drop-off/Parking** • RNT discussed drop-off concepts with a traffic engineer, Leo Espelet (Kimley Horn), who suggested that drop-off would be more desirable along Clairemont Dr. • LD noted that there would be a much greater impact to the project cost and schedule if the proposed drop-off includes new curb cuts and traffic impacts that would need to be reviewed by the City and/or includes moving existing fire hydrants/SDG&E utilities. • District prefers to keep the proposed drop-off on campus and to take advantage of the existing curb cuts along Ute Dr. for drop-off, parking, and service entry/exit. • District recommended that only the drop-off scheme using the existing curb cuts at Ute Dr. be presented at the DTF community meeting, due to added costs and excessive traffic associated with the drop-off concept along Clairemont Dr. • LD suggested that the proposed drop-off scheme include a long, dual-lane drop-off with additional parking isolated in the middle. Existing curb cuts along Ute Dr. could be widened if necessary. • At least 60-80 parking spaces should be provided for staff and visitors in addition to existing parking at the Admin and Shop/elective buildings.	**RNT**
2.2	**P.E. Facility/Joint-use Upgrades** • A new gymnasium cannot be included as part of the WSM scope, but a "future gym location" can be noted for the campus master plan. • RNT has laid out a concept plan for reconfiguring the P.E./Locker room building. The preliminary design also includes a new P.E. canopy adjacent to what could be a new, enlarged P.E. Activity room at the Locker room building. • District suggested that the canopy size be based on the size of a basketball court. • District also suggested that the new P.E. lockers and locker rooms be sized appropriately, and that the new P.E. Activity room include versatile resilient flooring, wall padding, and sound absorbing acoustic panels. • The concept plan for the P.E./Locker room building reconfiguration will be presented at the DTF community meeting. • Existing hard courts at the SE corner of the campus should remain in the same location, but they could be re-sealed and painted as part of the WSM scope. • The current joint-use agreement with the City includes 5 acres on the "lower" field area, but the WSM upgrades could include as little as 2 acres of new natural turf for joint-use fields. District will consider keeping existing D.G. as a sub-base for the fields.	**SDUSD, RNT**
2.3	**Admin/Classroom Building Upgrades** • The existing classroom buildings are in need of cosmetic upgrades to items such as flooring, paint, and casework, as noted by Marston MS staff. • Replacing the outdated windows at the classroom buildings would be expensive and could trigger additional upgrades and Title 24 calculations required by DSA. • Existing door thresholds at the classrooms are currently not ADA compliant and could also trigger additional upgrades required by DSA. • Any proposed scope of work for the classroom buildings will need to be reviewed with DSA to determine the full scope of work that will be required as part of the WSM project. • RNT is working on a concept plan for reconfiguring the Admin spaces based on a sketch and feedback from Jon Gollias (Principal at Marston). Proposed upgrades at the Admin building would also include all new interior finishes.	**RNT**

	• LD suggested adding a swing gate at the countertop/check-in area to restrict access and incorporate some additional security. • RNT is also working on a preliminary design concept for a new architectural element in front of the Admin building with new signage incorporated along Clairemont Dr. • A concept plan for the Admin building reconfiguration and a concept sketch for the new entry/signage element will be presented at the DTF community meeting.	
2.4	**Additional Items** • Total construction budget is currently estimated at $8 million, according to GR. • The second Design Task Force community meeting will be held on Wed. Feb. 21, at 6:00 pm in the Marston MS library. • GR to schedule a meeting with the Marston MS principal to review design concepts prior to DTF #2. • A preliminary meeting with DSA should be scheduled after DTF #2 to review overall WSM scope.	**SDUSD, RNT**

End of Meeting Notes

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Marston MS - WSM Proposed



Marston MS - Master Plan



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MEETING NOTES

Project:	**Marston Middle School**
RNT Job No.:	17800
Date of report:	February 23, 2018
Reported by:	Sharlene Angeles

Meeting Subject: Marston MS: **Pre-Schematic/WSM Scope**

Meeting Date: February 15, 2018

Location: Marston Middle School

Attendees:

Jon Gollias	Marston MS, Principal
German Rearte	SDUSD, Project Manager
Chikako Terada	RNT Arch, Project Principal
Sharlene Angeles	RNT Arch, Project Architect

Attachments: RNT concept plans

	DISCUSSION ITEMS	ACTION
1.0	**Purpose of Meeting and General Information**	n/a
	• Meeting with Marston MS Principal to discuss preliminary design concepts to be presented at the upcoming Design Task Force community meeting for the Marston MS Whole Site Modernization project.	n/a
2.0	**Meeting Discussion Items** • Joint-use fields • P.E. facility upgrades • Admin/classroom upgrades • Proposed drop-off/parking	n/a
2.1	**Joint-use Fields** • Marston MS currently has a joint-use agreement with the City for the DG fields at the "lower" field area. • JG indicated that the City is not sufficiently maintaining the sports fields and expressed concerns over incorporating additional joint-use fields with natural turf as part of the WSM project. • The baseball field currently experiences very high use from the community and new turf could be difficult to maintain for an extended period of time. • JG mentioned that the Marston MS students have complained about safety concerns on the DG field. There appear to be drainage and erosion issues. • GR indicated that the incorporation of joint-use play fields is part of the scope identified in the Prop S voter's guide. • JG is planning to further discuss the joint-use scope with Lee Dulgeroff (SDUSD).	**SDUSD, RNT**
2.2	**P.E. Facility Upgrades** • A preliminary concept plan was reviewed and discussed. The proposed locker room layout would be more efficient, and the P.E. Activity room would be twice the size of the current fitness center. • The campus currently has (8) fitness machines in the fitness center, and additional space is used for circuit training activities. • JG noted that the P.E. Activity room would need to hold a full P.E. class of 50 students, and that the campus typically has (4) simultaneous P.E. classes every day. • JG mentioned the need for more indoor P.E. space, and asked if the P.E. Activity room could be larger, or if more space could be renovated at the adjacent classroom building to relocate the fitness center. RNT will review the as-built drawings and explore design options for relocating the fitness center. • It was also noted that any major renovations proposed for the existing classroom buildings could trigger additional review/requirements by DSA. • The proposed P.E. storage shown on the concept plan could be housed outside of the P.E./Locker room building to accommodate more space for the P.E. Activity room if necessary. • The proposed P.E. canopy shown adjacent to the P.E. Activity room could be used as additional covered P.E. space or as a multi-purpose space. • Incorporating indoor/outdoor sports flooring was also discussed for the space under the P.E. canopy.	**RNT**
2.3	**Admin/Classroom Upgrades** • A preliminary concept plan was reviewed and discussed for reconfiguring the Admin areas. • JG suggested that the design for the Student Services area be very flexible, with counter-height computer workstations and no built-in casework. • JG suggested that the offices for the vice president, the school psychologist, and the cumulative records be located near the Counseling area/offices. • JG also mentioned that the existing door to the Counseling area could remain, but that there should be less visibility to the Admin reception area. • Two small conference rooms should be sufficient at the Admin building because the staff also uses space at the Library for meeting. • JG would like to have more privacy at his office, but it is not necessary to move the current principal's office.	**RNT**

	• JG expressed the need for a large, inviting reception area, and mentioned that (2) clerk desks behind the counter would be sufficient. • The proposed copy room could also be used as the mail room. • JG mentioned that cosmetic upgrades at the classrooms should be prioritized for the WSM scope, and that focusing on buildings 200 and 300 would be most beneficial. The science and shop/elective classrooms have had the most recent renovations. • JG also suggested updating the existing awnings/louvers and covered walkways throughout the campus because they currently make the facades look "dated."	
2.4	**Proposed Drop-off/Parking** • A preliminary concept plan for the proposed on-campus drop-off and parking areas was reviewed and discussed, and JG expressed positive feedback. • JG suggested that the "round-about" be closed off during drop-off/pick-up hours to encourage the intended vehicular circulation. • Parking access should also be restricted so that the aisles cannot be used for drop-off/pick-up circulation. Passing and drop-off lanes would be provided as part of the outer circulation loop. • Visitor parking will still need to be provided at the existing lot near the Admin building, where visitors will need to check-in. • JG is in favor of the proposed concept of designing a new entry/campus identity element at the front of the Admin building. RNT is exploring design options for a new canopy/arcade with new campus signage.	**RNT**
2.5	**Additional Items** • The second Design Task Force community meeting will be held on Wed. Feb. 21. • District to provide a DTF meeting agenda prior to the meeting.	**SDUSD, RNT**

End of Meeting Notes

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(E) PARKING
NEW ENTRY ELEMENT/ SIGNAGE
ADMIN.
IN
OUT
PARKING (73) STALLS
EXIST. SERVICE
LOCKER BLDG
DROP-OFF LANE
2 - PASSING LANES
(E) PARKING
P.E. CANOPY
FUTURE GYM LOCATION
JOINT-USE FIELD
INT. REMODEL SEE ENLARGED CONCEPT PLAN
MARSTON MS WSM
2.14.2018



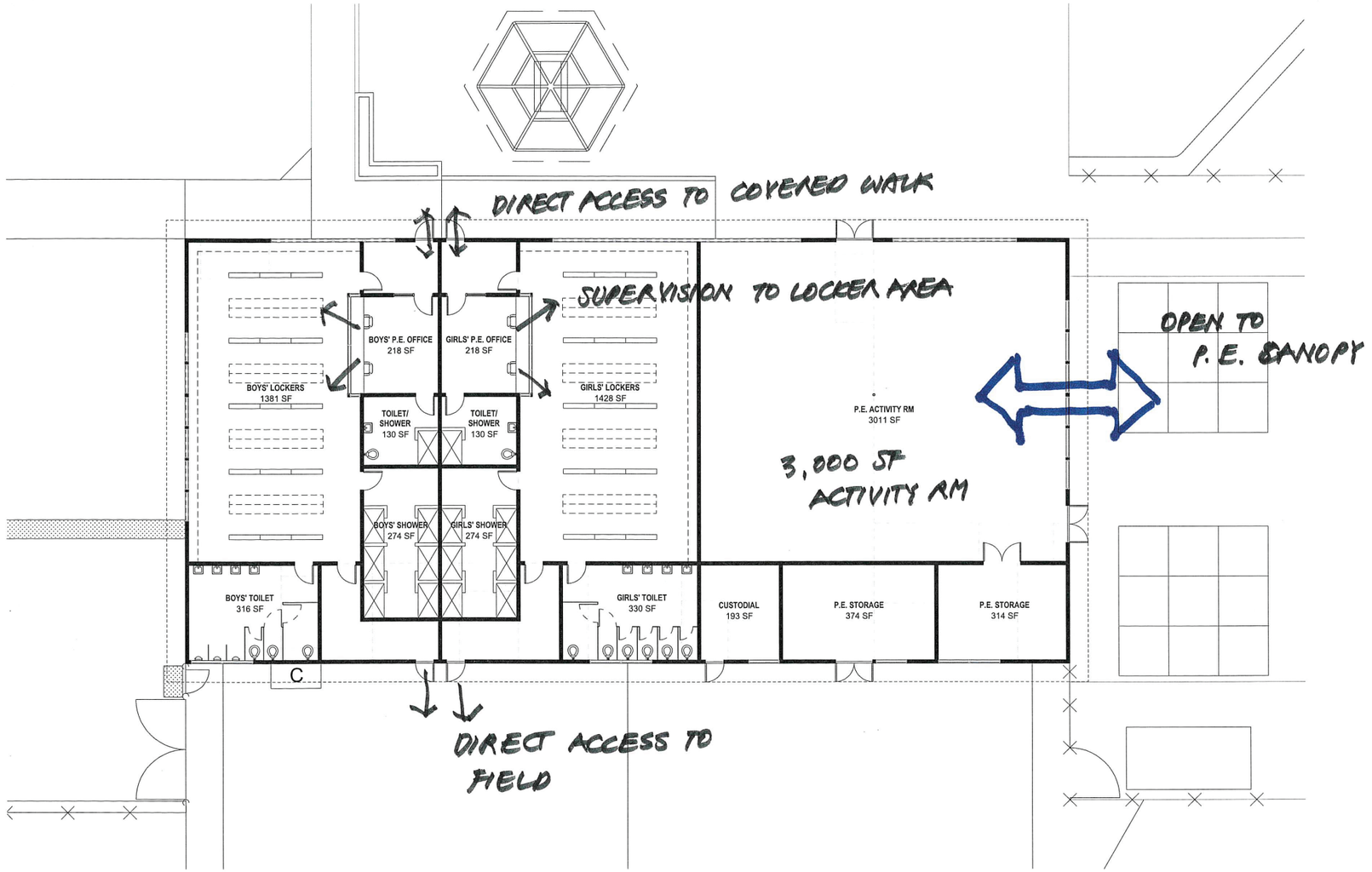
FLOOR PLAN - ADMINISTRATION BUILDING

NORTH

RNT ARCHITECTS

02/15/18

MARSTON MS - WSM A100



FLOOR PLAN - LOCKER ROOM BUILDING

NORTH

RNT ARCHITECTS

02/15/18

MARSTON MS - WSM A101

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MEETING NOTES

Project:	**Marston Middle School**
RNT Job No.:	17800
Date of report:	March 21, 2018
Reported by:	Sharlene Angeles

Meeting Subject: Marston MS: **Pre-Schematic/WSM – SDUSD Transportation/Food Service/Police**

Meeting Date: March 20, 2018

Location: Marston MS Drop-off

Attendees:

German Rearte	SDUSD, Project Manager
Victor Parra	SDUSD, Facilities Food Service
Fernando Mera	SDUSD, School Police
Sergio Nevarez	SDUSD, Transportation
Sharlene Angeles	RNT Arch, Project Architect
Leo Espelet	Kimley Horn, Traffic Engineer

Attachments: Sign-in Sheet

	DISCUSSION ITEMS	ACTION
1.0	**Purpose of Meeting and General Information**	n/a
	• Meeting with the District to discuss proposed drop-off/parking design concepts that were presented at the second Design Task Force community meeting and to gather feedback from the transportation, food service, and school police depts.	n/a
2.0	**Meeting Discussion Items** • Design intent of the proposed drop-off/parking concepts • Feedback from District Transportation • Feedback from District Food Service • Feedback from District School Police	n/a
2.1	**Proposed Drop-off/Parking Design Concepts** • District prefers to keep the proposed drop-off on campus and to take advantage of the existing curb cuts along Ute Dr. for drop-off, parking, and service entry/exit. • The proposed drop-off concept includes a long, dual-lane drop-off with a passing loop and additional parking isolated in the middle. • Approx. 75 parking spaces are provided for staff and visitors (in addition to the parking spaces near the Admin building) in the proposed on-campus drop-off concept. • The proposed drop-off concept would also include an enhanced student entrance at the East side of campus that would tie into the main student circulation axes.	**RNT**
2.2	**Feedback from District Transportation** • District Transportation attended a meeting with the City on 3/19/18 to discuss proposed changes to the bus loading and 3-min passenger loading zones along Clairemont Dr. and Ute Dr. The City approved the changes, and the bus loading zones will be moved to Clairemont Dr. with 150' zone designated between MTS stop and 3-min passenger loading. Current bus loading zone along Ute Dr. will be designated for 3-min passenger loading. Changes are expected to be implemented within 6 -12 weeks. • SN noted that the bus loading zone has been located along Clairemont Dr. before. • Marston currently uses (2) long buses and (1) special ed. bus for pick-up/drop-off. • The additional 3-min. passenger loading to be located along Ute Dr. can provide additional queueing space for cars entering the proposed on-campus drop-off area. • SN noted that there are visibility issues at the existing driveways along the curve at Ute Dr. and that the current red zone may need to be expanded to minimize this hazard. • SN mentioned that the existing vehicular gates and asphalt drive at the corner of Ute Dr. and Waco St. are used by the campus for after-school events and by third parties for weekend events; the adjacent DG field is also used for overflow parking. GR agreed that it may be beneficial if the campus/third parties could still use this for overflow parking/exiting during coordinated events. • This existing asphalt drive does not have curb cuts along Ute Dr. • SN indicated that much of the public's traffic concerns are related to the "No right turn on red" signage posted at the Clairemont Dr./Ute Dr. intersection. LE suggested that the City may consider a different solution if proposed.	**RNT**
2.3	**Feedback from District Food Service** • The kitchen at Marston serves as a "prep kitchen" for multiple campuses in the district. • Food service staff typically arrive between 5:30-6:00 am, and much of the truck deliveries occur between 6:00-9:00 am, with some deliveries occurring throughout the afternoon. • Since there is a wide range of delivery times, the Food Service dept. can restrict truck access during certain times to avoid conflicts with school pick-up/drop-off times or campus events. • Delivery trucks typically back into the driveway off Ute Dr. and down to the kitchen/ service yard, and then pull straight out to exit the driveway. • Service access needs to be able to accommodate a 40' Sysco semi-truck. • VP mentioned concerns about whether the proposed round-about circulation could accommodate the required turning radius for a 40' semi-truck. He also noted that the existing fire hydrant adjacent to the driveway has been a hazard for drivers. • LE will apply a template for a 40' semi-truck at the round-about to study truck access. • Food Service has not noted any issues with current paving and grades at service drive.	**RNT, LE**

2.4	**Feedback from District School Police** • District standards call for 10' tall perimeter fencing in order to secure campus perimeters. FM mentioned that the perimeter fencing would also be required to separate the campus from any areas accessed by the public, such as the proposed drop-off/parking area. Approval from District Facilities would be required for any deviations from the perimeter fencing standards. • School teachers/staff prefer to park in a secured area on campus, but this may require (2) layers of perimeter fencing between Ute Dr. and the campus. RNT to study. • In order for the new drop-off concept to be successful, the campus will also need to have clear markings and drop-off instructions. • FM noted that visibility to the East side of campus will be improved with the existing relos removed and the area developed for the new drop-off/parking design concept. • FM also mentioned that the school/District would have more enforcement power for traffic if the drop-off occurs within the campus. • FM noted that the existing vehicular gate at the corner of Ute Dr. and Waco St. is meant to remain closed and locked during school hours.	**RNT**
2.5	**Additional Items** • RNT to study whether the existing fire hydrant located in the DG fields needs to be removed or relocated to accommodate the proposed drop-off/parking area. • GR to schedule a meeting with PPO to discuss security cameras/intercom/FA. • District would like to set up a preliminary review meeting with the City. LE to study traffic volumes and observe traffic conditions during peak times to determine if a preliminary meeting will be necessary. Depending on his findings, LE will compile a list of appropriate questions for the City and request a check from the District. • LE noted that if traffic entering/exiting the proposed drop-off area will be required to be "Right turn only," the signage would have to be posted by the City. • RNT recommends setting up a preliminary meeting with DSA to review requirements related to the WSM scope once the scope is more settled. RNT to study Marston as-built information in order to compile a list of specific questions to review with DSA. • District issued the NTP for the aerial survey work. LE mentioned that the survey typically takes 2-4 weeks to complete.	**SDUSD, RNT, LE**

End of Meeting Notes

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MEETING NOTES

Project:	**Marston Middle School**
RNT Job No.:	17800
Date of report:	April 23, 2018
Reported by:	Sharlene Angeles

Meeting Subject: Marston MS: **Pre-Schematic/WSM – SDUSD PPO/Low Voltage**

Meeting Date: April 3, 2018

Location: Marston MS

Attendees:

Jon Gollias	Marston MS, Principal
German Rearte	SDUSD, Project Manager
Michael Cho	SDUSD, PPO
Chikako Terada	RNT Arch, Project Principal
Sharlene Angeles	RNT Arch, Project Architect
Gary Kraut	TREI, Project Manager
Ryan Morse	TREI, Technology

Attachments:

	DISCUSSION ITEMS	ACTION
1.0	**Purpose of Meeting and General Information**	n/a
	• Meeting with the District PPO department to discuss existing conditions of low voltage components at Marston and determine needs for low voltage upgrades.	n/a
2.0	**Meeting Discussion Items** • Existing conditions • Current needs for low voltage upgrades	n/a
2.1	**Existing Conditions** • Existing fire alarm and master clock system are located next to Principal's office. • There are two different fire alarm systems on this campus. • External PA system has very minimal coverage. • Campus currently has a Simplex system that is less than one year old. • Current bell system is outdated. • Most classrooms have upgraded wireless access points (min. 8 per classroom from i21 upgrades). • Sensors for campus intrusion system are working fine. • Campus has low voltage wiring mounted to outdated security fencing that is located behind new perimeter fencing. Can the older fencing/gates be removed if low voltage components are upgraded?	n/a
2.2	**Current Needs for Low Voltage Upgrades** • Focus on classrooms (mainly 200 and 300 buildings) for technology upgrades. Technology upgrades at the auditorium and food service buildings are not a priority. • Existing fire alarm system should be assessed. Determine if a full fire alarm system upgrade should be included in the WSM scope. (New requirements for voice evacuation in lieu of horns). • Campus needs an internal PA system and additional speakers for the external PA system. • MC recommends adding speaker coverage facing the athletic fields. • MC recommends to replace the existing simplex system/processor and reuse compatible wiring and speakers. • MC recommends installing a paging system with wireless clocks. • A new voice over IP system could be integrated with existing phone system. • Upgrade campus to CAT 6 fiber optics District standard as part of WSM scope? • MC recommends incorporating card reader access in WSM scope where required by the new District standard (ie: multi-technology readers with keypads at building exterior doors).	**RNT**
2.5	**Additional Items** • District to confirm if E-rate program can be used to cover some of the low voltage component upgrades.	**SDUSD, RNT**

End of Meeting Notes

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MEETING NOTES

Project:	**Marston Middle School**
RNT Job No.:	17800
Date of report:	April 23, 2018
Reported by:	Sharlene Angeles

Meeting Subject: Marston MS: **Pre-Schematic/WSM – SDUSD/City – Joint-use Field**

Meeting Date: April 20, 2018

Location: Marston MS

Attendees:

Jon Gollias	Marston MS, Principal
German Rearte	SDUSD, Project Manager
David Koepcke	SDUSD, District Architect
Debora Beaver	SDUSD, Real Estate Specialist
Shannon Scoggins	San Diego City Planning
Chikako Terada	RNT Arch, Project Principal
Sharlene Angeles	RNT Arch, Project Architect
Neil Hadley	LandLAB, Project Principal

Attachments: "Play All Day" handout; JU exhibit for Marston

	DISCUSSION ITEMS	ACTION
1.0	**Purpose of Meeting and General Information**	n/a
	• Meeting with the District and City Planning to discuss proposed scope for the new joint-use field to be included as part of the WSM project.	n/a
2.0	**Meeting Discussion Items** • Conditions of existing joint-use field • District/City agreement for "Play All Day" • Potential scope/needs for new joint-use field	n/a
2.1	**Conditions of Existing Joint-use Field** • Marston MS has an existing joint-use agreement with the City from 2005. The existing joint-use field has a baseball backstop, lighting, and access from the rec center. • There are significant drainage/erosion issues at the existing field. The District will work with the City to resolve. • Existing D.G. appears to be too compacted for proper drainage. • Marston MS is concerned about the City's commitment to maintaining the field.	n/a
2.2	**District/City Agreement for "Play All Day"** • The District has a new agreement with the City called "Play All Day," which involves an accelerated program to add more parks. • This agreement gives the consideration for new joint-use fields a higher priority level in the Prop S and Z voter's guide items when determining scope for WSM projects. • The City will be responsible for maintenance of the field, but not construction costs. • City Parks/Rec will determine how to program the field. • Joint-use field would be fenced and secured by the City every night. • The existing joint-use agreement could be amended for another 25 years to include the new joint-use field. • City does not prohibit leashed dogs on joint-use fields; City to provide dog trash disposal areas. • City Parks/Rec allows trees at the joint-use fields, but there is no budget for planting maintenance. • Design process for new joint-use fields to include (3) public workshops before Park Council approval and Parks/Rec Board approval.	**SDUSD**
2.3	**Potential Scope/Needs for New Joint-use Field** • The City proposes (2) phases per the attached "JU" exhibit: Phase 1 to add a new turf soccer field adjacent to the existing baseball field, with a 6' wide walking track around both fields; Phase 2 to keep the existing dirt infield and backstop for baseball (repair as necessary) and add turf for the existing baseball field. • Existing public access to joint-use field consists of ramp and gate at adjacent rec center parking lot, with additional street parking. • Existing restroom facilities located at rec center. • City will need space for storage containers (Pods). • May need to consider adding fencing behind the school's locker room building. • Retention area may be needed for drainage. • Mow strips should be provided on each side of walking track. • Parking for the new joint-use field would be limited to existing rec center and street parking; City would be very interested in providing public access to new WSM parking.	**SDUSD, City**

2.4	**Additional Items** • Marston WSM construction is projected to begin in Fall 2019. • First public workshop to be tentatively scheduled for May 16th. • City to send Powerpoint template file for workshop presentation. Presentation should include an aerial map and (2) schematic options to promote community discussion.	**SDUSD, City**

End of Meeting Notes

These notes will be considered substantially correct and complete, and comments will be integrated into the design process unless otherwise notified in writing within five working days of receipt.

The City of SAN DIEGO

San Diego Unified SCHOOL DISTRICT

play all day

The Play All Day Parks Program is a new in tiative put forth by Mayor Kevin L. Faulconer and the superintendent of the San Diego Unified School District, Cindy Marten to break ground on over 45 new joint-use park sites in the next five to ten years. The Play All Day initiative will build upon a long-standing partnership with the San Diego Unified School District and will provide approximately 158 additional acres of parkland for community use.

WHAT'S PLAY ALL DAY?

Play All Day is an expansion of the joint-use park program between the City and the School District. Joint-use is when school property is utilized for public use when school is not n session. Currently, the City of San Diego maintains 76 joint-use facilities in partnership with the School District and there are over 45 joint-use parks planned for the future.

The Play All Day joint-use parks will include a turfed multi-purpose field and a walking track. Most of the joint-use parks will also include paved hardcourts, playground equipment, off-street parking, or a combination of these amenities.

WHY PLAY ALL DAY?

Research shows that people are more likely to use parks that are in close proximity to their homes. Play All Day parks provide a place for physical activity, provide opportunities for social and community interaction, and provide environmental benefits. Many schools are the centerpoint of the communities that they serve. Opening up the school yards to the public as joint-use parks strengthens our neighborhoods and brings people together to enjoy all of the benefits that parks provide.

One of the biggest challenges our city faces as we look at adding more parks is the limited amount of available land. Joint-use partnerships with schools fill an essential gap in addressing the City's need for more park land and additional recreational opportunities in our communities.





FACTS:

- **Addition** of over **45** new joint-use parks
- Will add approximately **158 acres** of new parkland
- Joint-use Parks are **open** to the public when school is not in session
- **New sites** will feature turfed fields and walking tracks. Most will also have hardcourts, play equipment, off street parking, or a combination of these amenities
- The City and the District have **improved and maximized** shared use of public facilities since 1948
- When completed, there will be an estimated **122** joint-use facilities
- **Benefits include:** a place for daily physical activity, environmental benefits, opportunities for social and community interactions

Marston Middle JU, Clairemont Mesa



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MEETING NOTES

Project:	**Marston Middle School**
RNT Job No.:	17800
Date of report:	July 27, 2018
Reported by:	Sharlene Angeles

Meeting Subject: Marston MS: **Pre-Schematic/WSM – JUF Soils Testing Coordination**

Meeting Date: July 10, 2018

Location: SDUSD Facilities/PPO offices

Attendees:

Francisco Campuzano	SDUSD, Project Management Supervisor
Tony Raso	SDUSD, Civil Coordinator
Frank Shuman	SDUSD, Landscape Supervisor
Chikako Terada	RNT Arch, Project Principal
Sharlene Angeles	RNT Arch, Project Architect
Neil Hadley	LandLAB, Project Principal
Tom Canady	SCST, Geotech Engineer

Attachments:

	DISCUSSION ITEMS	ACTION
1.0	**Purpose of Meeting and General Information**	n/a
	• Meeting with the District to discuss proposed scope for the joint-use field (JUF) and to discuss requirements for site soils testing.	n/a
2.0	**Meeting Discussion Items** • Proposed scope for the Joint-use field • Feedback from District Facilities Management Dept. • Coordination for site soils testing	n/a

2.1	**Proposed Scope for the Joint-use Field** • Entire lower field will be developed as a new JUF, as part of the whole site modernization (WSM) project. • The new JUF design will have approx. 5 acres of natural turf with a D.G. walking track all around. • Existing field lighting to remain; backstop and bleachers will be removed. • Soils testing will be required at areas of new work for WSM: proposed JUF area and proposed drop-off/parking area.	**RNT**
2.2	**Feedback from District Facilities Management Dept.** • Marston MS site does not have central irrigation. Determine if JUF irrigation should be connected to District system or City system. • Will sloped area between upper D.G. field and lower JUF need irrigation? An irrigation line from the landscaping at the new drop-off/parking area could be extended down to the sloped area (since the City does not like maintaining slopes). • Need to get water pressure flow analysis to determine if a booster pump will be needed for the additional irrigation. (Should have 10 psi residual pressure at the head). • A separate water meter should be provided for the new JUF irrigation. • Determine who will maintain the new D.G. walking track: District or City? • Design team should investigate existing slopes and drainage to determine an appropriate slope/drainage concept for the new JUF. • Determine if any work at the existing upper D.G. field will be required to address drainage issues. May need to design bioswales or modular wetlands. • Resurfacing the existing hard courts will not be part of the WSM scope, unless necessary to address drainage issues. • Water for new drinking fountains at the JUF can be connected to District water lines; isolation valves should be provided at drinking fountains. • Planting turf from Hydroseed is typically more affordable than from sod; consider 4-6 month establishment period for Hydroseed. • SDUSD is currently updating site guide specs. The latest JUF design guidelines should be on the Aero ftp site. • Check City's Park and Rec Consultant's Guide for additional requirements. • City typically wants ADA parking to be included in JUF scope.	**RNT**
2.3	**Coordination for Site Soils Testing** • Soils testing for the site should be project/site specific. • District requested that design team conduct a drainage study prior to making decisions on Geotech investigations as to how many borings should be included in the soils testing. • Number of borings required for soils testing should be confirmed with Tom Calhoun. Latest District standard for soils testing is 10 borings per acre. • Latest District standard for subgrade section below turf is 10" of top soil over 5" of D.G. (D.G. layer is for leeching). • District prefers to amend soils on site if possible. (Hanson can currently mix Class A top soil that is City approved). • District would like soils testing to include several test pits in addition to borings. Testing should also include K-value testing and percolation testing. • Borings should have a minimum depth of 15" to test soils for new JUF. • District should have the soils testing results from the original campus construction project. RNT to request access to these files for reference.	**RNT**

2.4	**Additional Items** • Preliminary design work for the JUF should be included as part of the pre-schematic scope of work. • RNT to schedule a site walk with Civil to investigate existing conditions.	**RNT**

End of Meeting Notes

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MEETING NOTES

Project:	**Marston Middle School**
RNT Job No.:	17800
Date of report:	August 10, 2018
Reported by:	Sharlene Angeles

Meeting Subject: Marston MS: **Pre-Schematic/WSM – Spec. Ed. L.I. Office Relocation**

Meeting Date: August 3, 2018

Location: Marston MS

Attendees:

Lisa Dreyer	SDUSD, Spec. Ed. Director of Operations
German Rearte	SDUSD, Project Manager
Chikako Terada	RNT Arch, Project Principal
Sharlene Angeles	RNT Arch, Project Architect

	DISCUSSION ITEMS	ACTION
1.0	**Purpose of Meeting and General Information**	n/a
	• To walk the existing District Spec. Ed. L.I. (Low Incidence) staff offices located at Marston MS and assess potential options for relocation on site.	n/a
2.0	**Meeting Discussion Items** • Observations noted for the following portables: - B7, B6, B5, B4, and B3. • Potential options/needs for relocation	n/a
2.1	**B7 Observations (+ Adjacent Storage Container)** • 24'x40' portable size, typical for all (5) Spec. Ed. L.I. office portables. • Currently has (2) workstations, a laser jet printer, (2) copiers, and a laminator. • Also has (6) rows of tall bookshelves, filled with braille equipment and materials to support District visually impaired students. • Portable B7 will need a new floor if relocated. • 8'x40' adjacent storage container has (2) rows of tall bookshelves and is used to store materials/equipment/wheelchairs for District Spec. Ed. dept.	n/a
2.2	**B6 Observations** • Currently has (5) workstations, with (4) staff members that work on transcribing braille materials for the District and County. • Also has tall bookshelves, tall filing cabinets, a copier, and (2) braille machines.	n/a
2.3	**B5 Observations** • Currently has (17) workstations, tall bookshelves, tall filing cabinets, and a copier. • Portable B5 is designated for D/HH (Deaf/Hard of Hearing) staff.	n/a
2.4	**B4 Observations** • Currently has (17-19) workstations, tall bookshelves, tall filing cabinets, and a copier. • Also has network server/equipment located in built-in casework. • Portable B4 is designated for P.H./D.I.S. staff.	n/a
2.5	**B3 Observations** • Currently has (8) workstations, including (1) private office, for L.I. administrative staff. • Also has (1) private conference room and a large copier.	n/a
2.6	**Potential Options/Needs for Relocation** • Spec. Ed. L.I. staff offices need IT/network upgrades and new furniture. • Need to provide staff toilet rooms for the Spec. Ed. L.I. staff; consider adequate toilet room proximity (RNT to check Ed. Code). • LD will work with L.I. staff manager to develop an inventory list of rooms, people, equipment, and materials. • District Spec. Ed. dept. to discuss relocation options with District Facilities dept; could consider other sites within the District or existing Marston classroom spaces at buildings 100 or 300. • District will also discuss options to combine L.I. staff offices with other related services staff (located at Wiggin and Whittier).	**SDUSD, RNT**

End of Meeting Notes

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MEETING NOTES

Project:	**Marston Middle School**
RNT Job No.:	17800
Date of report:	Sept. 26, 2018
Reported by:	Sharlene Angeles

Meeting Subject: Marston MS: **Pre-Schematic/WSM – Meeting w/ P.E. Staff**

Meeting Date: Sept. 7, 2018

Location: Marston MS

Attendees:

Jon Gollias	Marston MS, Principal
German Rearte	SDUSD, Project Manager
Chikako Terada	RNT Arch, Project Principal
Sharlene Angeles	RNT Arch, Project Architect
Brian Garrett	LandLAB, Landscape Architect
Stacie Nixon	Marston MS P.E. Teacher
Janet Duffy-Brewer	Marston MS P.E. Teacher
Alfredo Tinoco	Marston MS P.E. Teacher

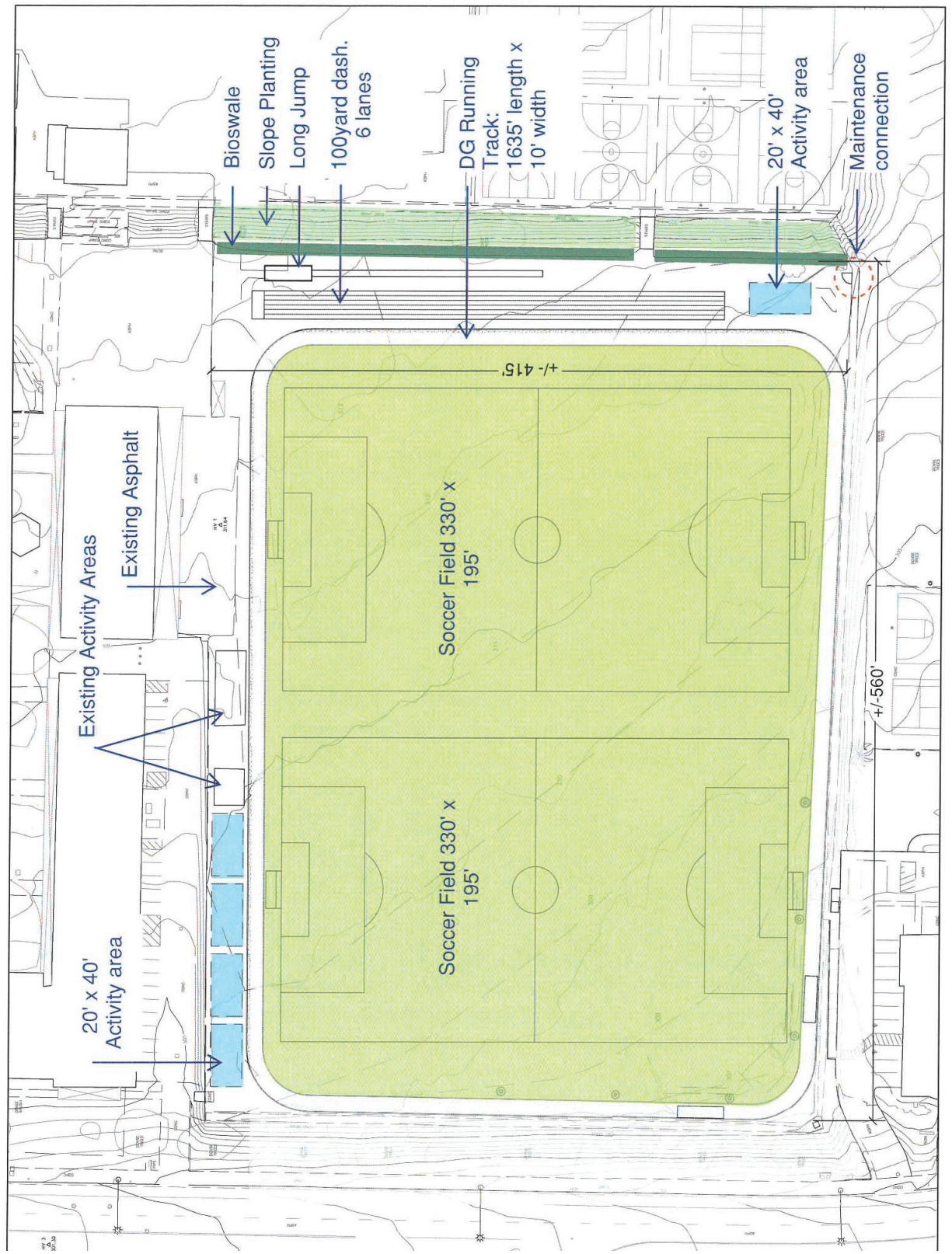
Attachments: Sign-in Sheet, JUF schematic plan

	DISCUSSION ITEMS	ACTION
1.0	**Purpose of Meeting and General Information**	n/a
	• User group meeting with Marston P.E. staff to discuss the current needs of the P.E. curriculum and the potential scope for modernizing P.E. facilities and adding a new joint-use field at Marston MS.	n/a
2.0	**Meeting Discussion Items** • Needs of P.E. curriculum – Facilities • Needs of P.E. curriculum – Fields	n/a
2.1	**Needs of P.E. Curriculum - Facilities** • Indoor activities/cognitive lessons make up about 35-40% of the P.E. curriculum. • P.E. classes are currently using CR 309 and (2) portables at the upper fields for indoor activities/instruction. Teachers typically use Promethean boards and marker boards. • Each grade level is taught in separate P.E. spaces, with about 50 students per class. • Indoor activities typically consist of tumbling/gymnastics, HIIT workouts, fitness testing, resistance bands, and dancing. • P.E. staff would like to have indoor teaching spaces, with 1-2 Promethean boards and Chrome books for every student. These technology items would also be useful in the proposed P.E. Activity room. • Marston MS would like to have a large multi-purpose space in addition to the Fitness room. Marston MS feels that locker room upgrades would be a lower priority. • P.E. staff commented that the fitness equipment could potentially be relocated to Bldg 300, but they would be concerned about noise issues for the adjacent classrooms. • Use for P.E. activities would be limited at classroom buildings due to lower ceilings and windows that present safety hazards. • The large classroom at Bldg 100 adjacent to the P.E./Locker building is currently used as a computer lab for digital media and may not be an option for relocating the fitness equipment. • P.E. staff would like to have wood floors at the proposed P.E. Activity room. • A large P.E. Activity room would be the top priority, according to the P.E. staff. • Currently only P.E. staff uses showers at Locker rooms • P.E. staff recommends having 1-2 student showers per locker room, if updated. • Staff also recommends having (2) benches between locker aisles (similar to existing Girls' Locker room). Tall lockers for each student in lieu of basket lockers would be ideal, with about 350 per locker room. (Currently Marston is at 700 for enrollment). • The P.E. program needs more ball storage; currently the Boys' Locker room showers are being used for ball storage. • A large, central storage area for P.E. equipment and a laundry room would also be ideal.	n/a
2.2	**Needs of P.E. Curriculum - Fields** • The existing long jump pits are typically only used a few days out of the year. P.E. staff are open to moving the long jump runs/pits to the north end of the proposed joint-use field. • The existing sand boxes are typically used for circuit training activities, but the P.E. staff would be open to removing them so that the City doesn't take on the maintenance responsibilities. • Many activities that are currently done at the existing P.E. numbers at the AC paving adjacent to the Locker building could be done at the proposed turf fields instead. • The P.E. program could use the proposed walking track for running, walking, and fitness testing. • P.E. staff would prefer to have 3' wide lanes for the 100m dash and hurdle events. 5-6 lanes would be ideal for timing the runs. • The proposed walking track and 100m dash lanes would most likely be new D.G. and would still need to be chalked for track and field events. • P.E. staff would prefer to have red brick dust in lieu of D.G., noting safety concerns with students falling on D.G. • Existing storage container behind P.E./Locker building is currently used to store track and field equipment (ie: hurdles).	n/a

2.3	**Additional Items** • The whole site modernization and joint-use field projects will have separate District funding. • The District may consider providing public access to the proposed WSM parking for the new joint-use field agreement with the City. • Marston P.E. staff filled out online programming surveys.	**SDUSD**

End of Meeting Notes

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MEETING NOTES

Project:	**Marston Middle School**
RNT Job No.:	17800
Date of report:	October 8, 2018
Reported by:	Chikako Terada

Meeting Subject: Marston MS: **Pre-Schematic/WSM – HVAC scope coordination**

Meeting Date: October 4, 2018

Location: Turpin Rattan Engineers, Inc.

Attendees:

German Rearte	SDUSD, Project Manager
Gilbert Sanchez	Mechanical Engineer for HVAC 2000 project, TREI
Gary Kraut	Electrical Engineer, TREI
Vince Vegas	Mechanical Engineer, MA Engineers
Chikako Terada	RNT Arch, Project Principal

Attachments: No Attachments

	DISCUSSION ITEMS	ACTION
1.0	**Purpose of Meeting and General Information**	n/a
	• Meeting with the Mechanical Engineer for the HVAC 2000 project to discuss impact on the scope due to the fenestration replacement.	n/a

2.0	**Meeting Discussion Items** • Jalousie windows at the admin area and some of the panels have fallen and this is causing safety issues. Therefore, window replacement is high priority. • Title 24 does allow component replacement of windows but there are some limitations. One that would impact this site is that the WWR (window wall ratio) cannot exceed 40%. An overall envelope performance approach can be used to show title 24 compliance, but this may require some insulation added to the walls and/or roof. • Air pressure in the rooms shall not be a problem. Re-balancing the units is sufficient. • Window replacement will trigger ADA upgrade, such as entrance door to classroom. The existing door threshold is currently not in compliant, being 1" to 1-1/2" high. The covered walk paving needs to be replaced. • Existing skylights may be replaced. According to Gilbert, there is an abatement issue at the clearstory. • Louvers were not addressed due to IDIQ budget. There are no interlocks for the louvers. • The HVAC units are designed for the existing building envelope. After the fenestrations are replaced as a part of WSM project, the enhancements made to the envelope will cause the relatively new HVAC units to now be oversized. This would lead to short cycling, premature equipment failures, comfort complaints, increased energy use, etc. • The best solution would be to install HVAC units that are sized appropriately. • The building envelope also needs to be upgraded to meet the current code requirements, including installing the roof and exterior wall thermal insulation. • In order to avoid the HVAC units to run inefficiently and potentially shorten the life of units, they need to be modified or replaced. Modification of units need to be approved by Manufacturer. • According to Gilbert, Ductwork is exposed in the space and will be galvanized. Some spaces are shown as RTUs but may change to SSHP. Most of the classroom RTUs are Carrier 48HC units with one (6 ton) compressor and a single supply fan with very little turndown capacity. • Gary pointed out that the electrical and structural upgrades have been mostly taken care of in the "HVAC 2000" project, so new smaller units should not incur much additional electrical and/or structural costs. Replacing units may be an option if the budget allows.	n/a
2.1	**Action Items** • German asked Vince to perform preliminary load calculations on some representative classrooms to assess what the new classroom load might be. • German asked Vince to reach out to Carrier to understand what modifications could be made to the 6 ton 48HC units to have them deliver a lower airflow and capacity and also if these modifications would be warrantied. • German would like to get a ROM cost on envelope modifications. Chikako will work with Vince on proposed title 24 compliant envelope modifications.	MA MA RNT /MA

End of Meeting Notes

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MEETING NOTES

Project:	**Marston Middle School**
RNT Job No.:	17800
Date of report:	Nov. 2, 2018
Reported by:	Sharlene Angeles

Meeting Subject: Marston MS: **Pre-Schematic/WSM – Drainage Study Review**

Meeting Date: Oct. 26, 2018

Location: RNT Office

Attendees:

German Rearte	SDUSD, Project Manager
Chikako Terada	RNT Arch, Project Principal
Sharlene Angeles	RNT Arch, Project Architect
Megan Ulery	Kimley Horn, Project Manager

Attachments:

	DISCUSSION ITEMS	ACTION
1.0	**Purpose of Meeting and General Information**	n/a
	• Meeting to discuss Kimley Horn's findings and recommendations from the site drainage study.	n/a
2.0	**Meeting Discussion Items** • Existing conditions • Recommendations	n/a
2.1	**Existing Conditions** • Existing inlets at upper D.G. field and hard court area are undersized and not functioning well. • This area of Clairemont has 'Group D' soil type. • Soils testing is needed to determine infiltration rates.	
2.2	**Recommendations** • Match existing drainage patterns for catch basins. • Re-slope and discharge biofiltration area at proposed drop-off area to the South. • Could reduce biofiltration area if storage becomes deeper; there is enough elevation change to slope to the existing storm drains. • Repair existing concrete ditch by adding 6" to cutoff wall, and add curb if necessary to stop water from jumping the stair landing. • Could also add weirs and/or riprap to help redirect excess water. • Option to oversize the concrete ditch at the southern stair between the upper and lower play fields. • May need small swale along bottom of slope (ie earth swale). • Design for perforated pipe with under drains at the proposed joint-use field. • Relocate proposed catch basin shown in the center of the joint- use field.	**RNT, KH**
2.3	**Additional Items** • RNT to send proposed drop-off area CAD background to Kimley Horn as a reference in determining storm drain utility quantities for this area.	**RNT, KH**

End of Meeting Notes

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MEETING NOTES

Project:	**Marston Middle School**
RNT Job No.:	17800
Date of report:	Dec. 19, 2018
Reported by:	Sharlene Angeles

Meeting Subject: Marston MS: **Pre-Schematic/WSM – Classroom Modernization Scope**

Meeting Date: Dec. 12, 2018

Location: Marston MS

Attendees:

Francisco Campuzano	SDUSD, PM Supervisor
German Rearte	SDUSD, Project Manager
Chikako Terada	RNT Arch, Project Principal
Sharlene Angeles	RNT Arch, Project Architect

Attachments:

	DISCUSSION ITEMS	ACTION
1.0	**Purpose of Meeting and General Information**	n/a
	• Meeting to discuss impacts from current HVAC and E-Rate projects and proposed classroom modernization scope.	n/a
2.0	**Meeting Discussion Items** • Impacts from HVAC/E-Rate Projects • Classroom Modernization Scope	n/a
2.1	**Impacts from HVAC/E-Rate Projects** • Design for new HVAC systems at classrooms includes new rooftop units with exposed ductwork below ceilings. • Exposed ductwork and diffusers are meant to blow air across the room. • Technology project will include new Voice-over IP and wireless access, with new exposed conduit on the walls.	
2.2	**Classroom Modernization Scope** • District wants to upgrade the classroom environment. • District wants to conceal exposed ductwork and remove exposed raceway/conduit in all classrooms. • Need to assess impacts to cost and project scope. • Adding dropped ceilings to conceal the new ductwork would result in reconfiguring ducts and diffusers, and would also impact electrical and fire alarm scope. • Explore design options for adding ceiling clouds/baffles to help conceal the ductwork and keep the duct/diffuser layout intact. • Also explore design options for adding wall treatments to the classroom walls to hide the exposed conduit in lieu of removing it. • District prefers not to include the existing skylights as part of the classroom upgrades. • Need to close off existing sheet metal louvers at the roof above the skylights. • All existing casework should be removed from the typical classrooms. • Include science labs, art classrooms, music classrooms, and shop classrooms in modernization scope. • Interior modernization scope should include new flooring, ceiling/wall upgrades, window treatments, and paint. • Science lab countertops, sinks, and islands should be replaced. • Art classroom casework and sinks should be replaced. • Casework at Robotics classroom should also be replaced. • Consider removing terrazzo finishes at Woodshop and Computer lab. • All interior and exterior lighting should be replaced with new LED light fixtures.	**RNT**
2.3	**Additional Items** • Include new gymnasium building in Pre-SD cost estimate; assume 10,000 SF with 3-tier bleacher seating.	**RNT**

End of Meeting Notes

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MEETING NOTES

Project:	**Marston Middle School**
RNT Job No.:	17800
Date of report:	Jan. 25, 2019
Reported by:	Sharlene Angeles

Meeting Subject: Marston MS: **Pre-Schematic/WSM – Food Service Scoping**

Meeting Date: Jan. 15, 2019

Location: SDUSD Revere Center

Attendees:

Francisco Campuzano	SDUSD, PM Supervisor
German Rearte	SDUSD, Project Manager
Fred Espinosa	SDUSD, Food Service Manager
Jesus Garcia	SDUSD, FS Equipment Supervisor
Chikako Terada	RNT Arch, Project Principal
Sharlene Angeles	RNT Arch, Project Architect

Attachments:

	DISCUSSION ITEMS	ACTION
1.0	**Purpose of Meeting and General Information**	n/a
	• Meeting to discuss the existing conditions of the food service areas at Marston MS and potential upgrades that could be added to the WSM scope.	n/a
2.0	**Meeting Discussion Items** • Existing Conditions • Potential Upgrades for Food Service	n/a
2.1	**Existing Conditions** • Previous site walk with Victor determined that the campus food service areas are operational/satisfactory. • After Prop YY passed, there is additional District funding that can be allocated to upgrading the food service areas at Marston MS. • Marston MS has a production kitchen that serves (13) additional school sites within the District. • School is currently using existing Staff Dining area for extra storage. • Kitchen does not have 3-compartment sinks. • Need a larger walk-in freezer. • Food Service trucks currently use existing service ramp; smaller trucks have room to turn around, but the Cisco trucks need to back in. • Marston MS serves about 300 students on campus every day.	
2.2	**Potential Upgrades for Food Service** • Need to have 3-compartment sinks to meet District Standards/Health Code. • Need appropriately sized walk-ins for a production kitchen; find space to accommodate a larger walk-in freezer. • Health and safety in the food prep areas should be the top priorities. • District would like Kitchen to have a new convection oven, tilt skillet, and 12-gal. kettle. • Allocate existing Staff Dining area for storage, and potentially move Staff Dining to a new location on campus. • Make the Kitchen/Food Prep layout more efficient (try to keep structural walls). • Determine if out-service windows are necessary (they were eliminated at Bell). • Determine if existing exhaust hood and fire suppression system meet current codes. • Design priorities for Food Service modernization should be: new floors, wall finishes, paint, walk-ins, Kitchen layout, and upgrades to the Servery/Grab'n'Go area.	**RNT**
2.3	**Additional Items** • Look at new District Food Service Standards for middle schools (ex: Pershing, CPMA, Taft, Wilson). • Schedule follow-up site walk for additional Food Service scoping. • Compile a "wish list" for food service equipment requested for Marston MS to be presented to the District as part of the WSM scope. • Need to consider how to temporarily move production kitchen operations during WSM construction.	**RNT, SDUSD**

End of Meeting Notes

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MEETING NOTES

Project: **Marston Middle School**

RNT Job No.: 17800

Date of report: Feb. 8, 2019

Reported by: Sharlene Angeles

Meeting Subject: Marston MS: **Pre-Schematic/WSM – Food Service Site Walk**

Meeting Date: Jan. 30, 2019

Location: Marston MS

Attendees:

Francisco Campuzano	SDUSD, PM Supervisor
German Rearte	SDUSD, Project Manager
Fred Espinosa	SDUSD, Food Service Manager
Jesus Garcia	SDUSD, FS Equipment Supervisor
Chris Schnese	Marston MS, Cafeteria Manager
Veronica	Marston MS, Cafeteria Supervisor
Sharlene Angeles	RNT Arch, Project Architect

Attachments:

	DISCUSSION ITEMS	ACTION
1.0	**Purpose of Meeting and General Information**	n/a
	• Site walk at existing Marston MS Food Service building to discuss the existing conditions and potential upgrades that could be added to the WSM scope.	n/a
2.0	**Meeting Discussion Items** • Existing Conditions • Potential Upgrades for Food Service	n/a

2.1	**Existing Conditions** • Marston MS has one lunch period. • Marston production kitchen serves approx. 1,000 lunches to (14) school sites per day. • About 50% of students eat inside the existing Dining Room and about 50% eat outdoors.	
2.2	**Potential Upgrades for Food Service** • District/school staff would like to have a more "upscale" dining environment for the students; don't want typical "cafeteria" style (ex: La Jolla HS). • District/school staff would like to incorporate new wall treatments/graphic/digital displays to encourage nutritional eating habits and school spirit. • Marston MS may have too many hot/cold merchandisers; could be minimized to (2) of each. • May not need additional food kiosks at Marston MS; could use mobile carts instead. • Should have (2) walk-in freezers at Marston MS: one for the campus, and one for the other (13) school sites. • Access to walk-in freezer from staging area would be ideal. • District/school staff request all new kitchen equipment for Marston MS to match new District Food Service Standards. • New kitchen equipment should include: convection oven, tilt skillet, (2) kettles, 6-burner combi. • District would like to incorporate a griddle station that exhibits the "cooking on display" concept (ex: Wilson MS). • Need to replace outdated prep sinks with new 3-compartment sinks. • Hoods are outdated and not code-compliant; replace hoods and fire suppression system. Incorporate one larger hood to cover all main equipment. • Need (4) food prep tables: (2) for cooking and (2) for production. • Need salad bar area with a sink. • District prefers to install quarry tile for new floor finish (not epoxy). • Need (4) P.O.S. stations at Servery/Grab'n'Go area. • Issues with theft of a la carte items; consider separating a la carte food sales by using outdoor carts.	**RNT**
2.3	**Additional Items** • Compile a "wish list" for food service equipment requested for Marston MS to be presented to the District as part of the WSM scope.	**RNT, SDUSD**

End of Meeting Notes

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MEETING NOTES

Project:	**Marston Middle School**
RNT Job No.:	17800
Date of report:	February 15, 2018
Reported by:	Sharlene Angeles

Meeting Subject: Marston MS: **Pre-Schematic/Design Task Force Meeting #1**

Meeting Date: January 24, 2018

Location: Marston Middle School

Attendees:

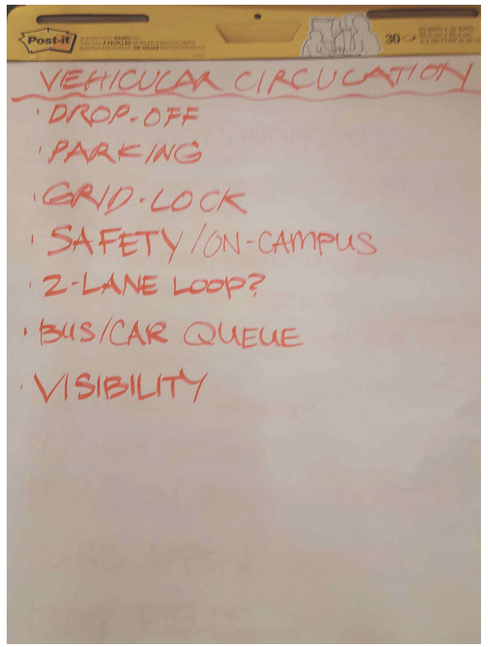
Jon Gollias	Marston MS, Principal
Lee Dulgeroff	SDUSD, Chief FPC Officer
Samer Naji	SDUSD, Facilities Communications
Francisco Campuzano	SDUSD, Project Manager
German Rearte	SDUSD, Project Manager
Chikako Terada	RNT Arch, Project Principal
Sharlene Angeles	RNT Arch, Project Architect
Community members	Marston MS staff, parents, neighbors

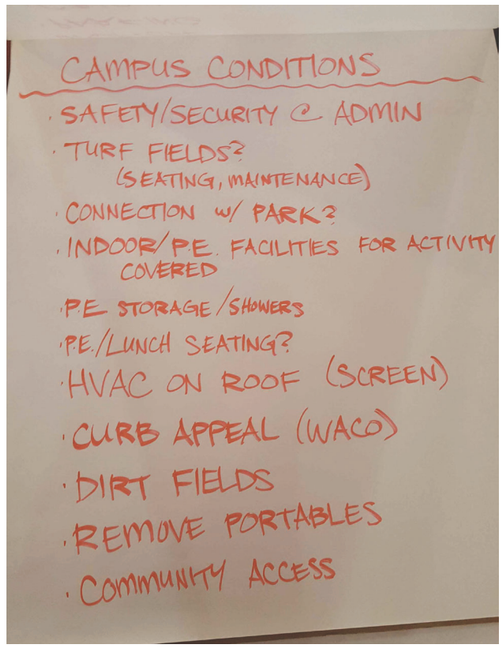
	DISCUSSION ITEMS	ACTION
1.0	**Purpose of Meeting and General Information**	na
	• The first Design Task Force community meeting to develop a list of scope items for consideration for the Marston MS Whole Site Modernization project. • Main goals to discuss the pre-schematic design process and existing campus conditions and to receive feedback from the community group. • WSM scope shall incorporate the goals identified in the Prop S & Z voter's guide.	na
2.0	**Meeting Discussion Items** • The following topics were discussed as potential scope items: - Curb appeal, drop-off areas, joint-use opportunities, P.E. facilities, and overall campus updates.	na
2.1	**Curb Appeal** • Community members noted that the building exteriors look "dated," and that they haven't changed much since previous generations of students attended the school. • The community also commented that the new perimeter fencing gives the appearance of a "prison." • There was a shared interest in improving overall curb appeal and landscaping, especially along Waco St. The current frontage along Waco St. is mainly D.G. and asphalt paving.	**RNT**
2.2	**Drop-off Areas** • There was general consensus that the latest traffic changes made by the city at the Balboa and Clairemont Dr. traffic lights have made the pick-up and drop-off traffic worse. Concerns over grid-lock and insufficient car/bus queueing space along Ute Dr. were discussed. • There is currently no on-campus drop-off area, which could help alleviate the traffic along adjacent roads. • The campus also "rents out" space for weekend activities and events, such as the Xplode dance program and Communion Church services. There are concerns over insufficient parking and traffic control for these events. • Food service and trash trucks also use the staff parking lot entrance off of Ute Dr. • Parking lot driveways are located along a curve which creates additional visibility and safety concerns. • Drivers tend to speed down Waco St. and the alley adjacent to Ute Dr. after drop-offs in the morning. • There is additional bus traffic to/from Clairemont HS and Whittier School. • The community expressed interest in exploring design ideas for a new two-lane drop-off loop with additional parking located on campus, either off of Waco Dr. or Clairemont Dr.	**RNT**
2.3	**Joint-use opportunities** • There are several community sports programs currently offered at the adjacent community park. Are there more joint-use opportunities that could be explored to create more of a connection with the community park? • The natural grade difference running north/south through the site could create opportunities for seating/sports viewing. • JG indicated general maintenance concerns regarding the addition of natural turf to the sports fields. • There is existing soil erosion on the fields that is creating safety concerns due to a perceived lack of maintenance. • SDUSD noted that the campus is located in an area currently identified as "park deficient."	**RNT**

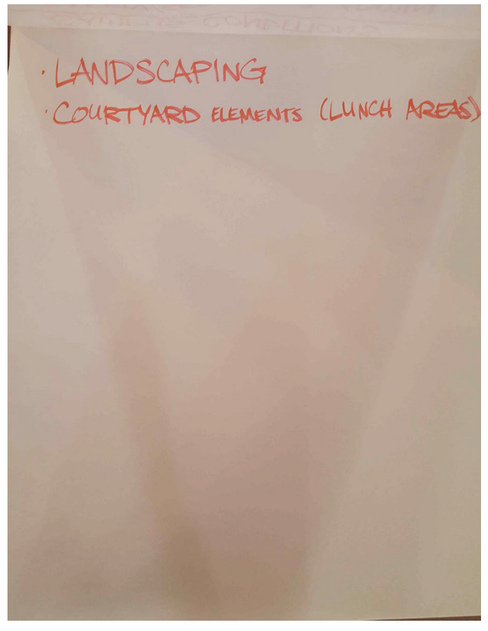
2.4	**P.E. Facilities** • JG noted concerns that the campus is lacking sufficient indoor/covered P.E. facilities. • JG suggested that the campus needs an additional multi-purpose space that could hold a full P.E. class (50 students). • The current P.E./locker room building could be used more efficiently. Outdated shower areas are currently being used for storage.	**RNT**
2.5	**Overall Campus Updates** • Upgrades at the Admin building could provide a good first impression for the campus, as well as a sense of added safety/security. • There was general consensus to respect the historic value of the "mid-century modern" style of the buildings. • Courtyard/lunch area elements such as planters and benches were noted as items that could be improved. • Some design options for architectural screening elements for the new HVAC equipment on the rooftops could also be explored. • Will new windows throughout the campus buildings be incorporated with the current HVAC upgrades to improve energy efficiency, or could they be included as part of the WSM?	**RNT**
3.0	**Additional Items** • Marston MS is currently looking for grants for a neighborhood busing program. • Marston MS is currently the visually impaired program school for SDUSD. • The current portables located on campus are not part of the long-term plan, and they could be removed to provide more space for the WSM upgrades. • Marston MS also receives a lot of feedback from the PTSA and the student council that should be considered throughout the DTF process. • The 2nd Design Task Force community meeting is scheduled for Wed. Feb. 21.	**RNT**

End of Meeting Notes

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MEETING NOTES

Project:	**Marston Middle School**
RNT Job No.:	17800
Date of report:	February 22, 2018
Reported by:	Sharlene Angeles

Meeting Subject: Marston MS: **Pre-Schematic/Design Task Force Meeting #2**

Meeting Date: February 21, 2018

Location: Marston Middle School

Attendees:

Jon Gollias	Marston MS, Principal
Samer Naji	SDUSD, Facilities Communications
Francisco Campuzano	SDUSD, Project Manager
German Rearte	SDUSD, Project Manager
Chikako Terada	RNT Arch, Project Principal
Raul Diaz	RNT Arch, Project Manager
Sharlene Angeles	RNT Arch, Project Architect
Leo Espelet	Kimley Horn, Traffic Engineer
Community members	Marston MS staff, parents, neighbors (See attached sign-in sheet)

Attachments: Sign-in sheet, Easel Pad notes

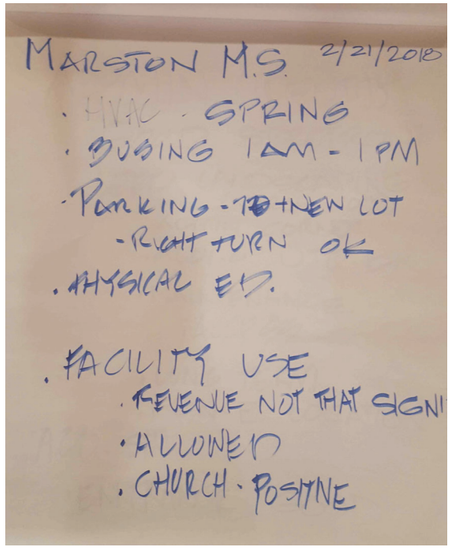
	DISCUSSION ITEMS	ACTION
1.0	**Purpose of Meeting and General Information**	n/a
	• The second Design Task Force (DTF) community meeting was held in the Marston MS Library to discuss preliminary design concepts based on potential scope items identified during the first DTF meeting. • The main goal is to receive feedback from the community group on the preliminary design concepts.	n/a
2.0	**Meeting Discussion Items** • The following agenda items were presented as design concepts and discussed in detail: - Campus identity/frontage improvements, interior improvements, athletic fields/facilities, and drop-off/parking circulation.	n/a
2.1	**Campus Identity/Frontage Improvements** • Preliminary design concepts for new campus signage/identity elements at the Admin building were presented. The design intent is to update the main entrance point to the campus with more modern materials and signage. • The community feedback was very positive regarding frontage improvements. • There was interest in improving landscaping and fencing along Ute Dr. and Waco St. as well. • The community also expressed concerns regarding trash collection and maintenance for new landscaping along Ute Dr. and Waco St. • Adding a new drop-off/parking area within the campus with new hardscape and landscape would also improve the frontage along Waco St. which mainly consists of D.G. fields. Refer to item 2.4 below.	**RNT**
2.2	**Interior Improvements** • JG indicated that the staff at Marston is concerned about the interior conditions of the existing classrooms (ie: outdated/deteriorating paint, flooring, casework). • JG specifically noted three blocks of classroom buildings that are in need of improvements. RNT will work with the district to assess the current conditions and prioritize the WSM scope items. • Scope items related to modernizing the classroom buildings will need to be discussed with DSA to determine the full scope. • Community members described existing windows as "old and drafty" and expressed concerns that the new heating/cooling systems for the buildings could be inefficient if the windows are not replaced.	**RNT**
2.3	**Athletic Fields/Facilities** • Providing additional joint-use field area with natural turf was discussed as a potential scope item; however, the principal/staff at Marston MS is concerned about the city maintaining the fields per the joint-use agreement. • JG noted that students at Marston have complained about erosion on the existing joint-use baseball field and related safety concerns. • The "lower" fields appear to be the optimal location for joint-use fields with the adjacency to the rec center/community park and the lower elevation that works well for field lighting. • Preliminary design concepts for reconfiguring the existing P.E./Locker building and incorporating an adjacent covered P.E. area were presented. The new P.E. Activity room would be about twice the size of the existing fitness center on campus. • Most of the P.E. facilities would then be located at the lower area once the portables are removed from the upper area. • P.V. panels could be incorporated with the design of the new P.E. canopy.	**RNT**

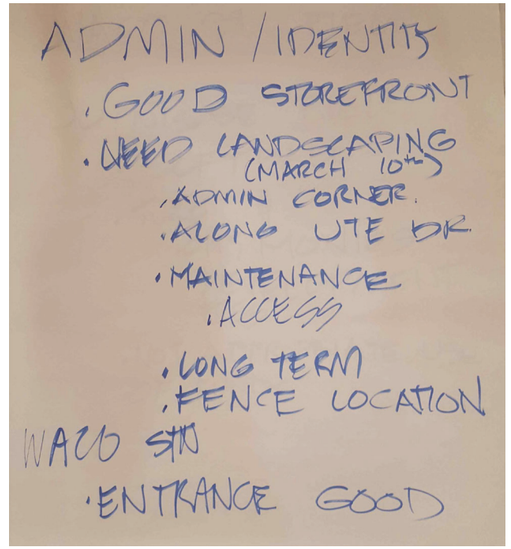
2.4	**Drop-off/Parking Circulation** • Preliminary design concepts for a new parking and drop-off area located on campus were presented, and the design was well received by the community. • The design would include at least 75 parking spaces and a double loop circulation route for pick-up and drop-off. There would be a total of about 100 spaces on campus. • The community members commented that the one-way circulation and right turn only driveways make a lot of sense for the vehicular circulation. • The additional parking on campus should also help alleviate some of the congestion along the streets during 3rd party events on the weekends. • The community also mentioned the need for night lighting and new landscaping around the new parking lots.	**RNT**
3.0	**Additional Items** • Marston MS is planning to offer a neighborhood busing program starting next year. • Bus/passenger loading zones along Clairemont Dr. will be involved in a traffic study, and there may be some changes anticipated. • Marston MS will be hosting a community landscaping event on March 10th, as part of a DIY landscaping project for the campus. • The drawings for the HVAC upgrades have been approved by DSA, and construction is scheduled to be completed by Spring 2019. • JG noted that he is still interested in an indoor athletic facility and is planning to meet with SDUSD to discuss. • The final Design Task Force community meeting will be postponed for a later date, in order to develop the scope items further.	**JG, RNT**

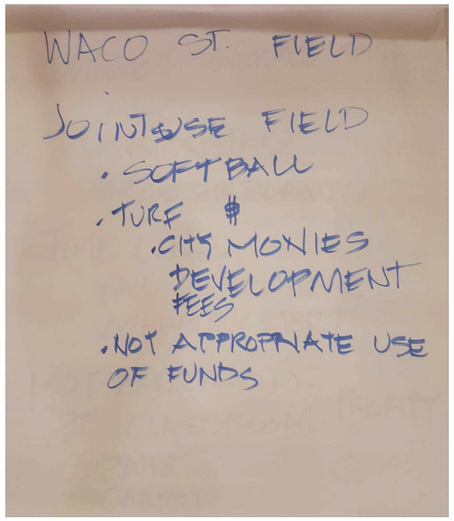
End of Meeting Notes

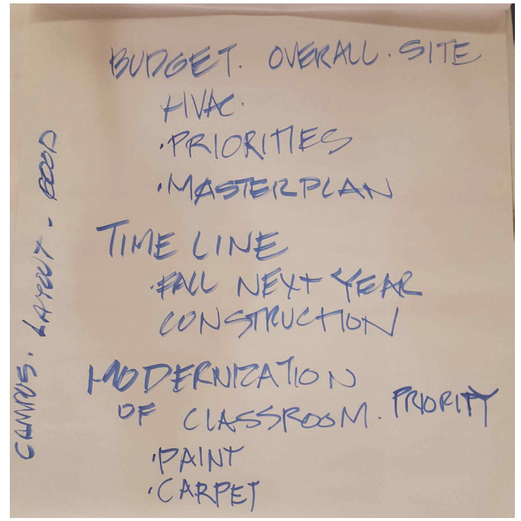
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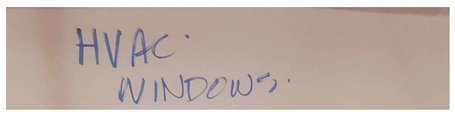
EASEL PAD NOTES:











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MEETING NOTES

Project:	**Marston Middle School**
RNT Job No.:	17800
Date of report:	May 23, 2018
Reported by:	Sharlene Angeles

Meeting Subject: Marston MS: **Pre-Schematic/WSM – Joint-use Field Workshop**

Meeting Date: May 16, 2018

Location: Marston MS

Attendees:

Jon Gollias	Marston MS, Principal
Lee Dulgeroff	SDUSD, Facilities Chief Officer
Samer Naji	SDUSD, Facilities Communications
Francisco Campuzano	SDUSD, Project Supervisor
German Rearte	SDUSD, Project Manager
Shannon Scoggins	San Diego City Planning
Chikako Terada	RNT Arch, Project Principal
Sharlene Angeles	RNT Arch, Project Architect
Neil Hadley	LandLAB, Project Principal
Community members	Marston MS staff, parents, neighbors

Attachments:

	DISCUSSION ITEMS	ACTION
1.0	**Purpose of Meeting and General Information**	n/a
	• The first public workshop to discuss the potential scope for a new joint-use field at Marston MS and to receive feedback from the community.	n/a
2.0	**Meeting Discussion Items** • Existing joint-use field and agreement • Potential scope/needs for new joint-use field • New joint-use agreement	n/a
2.1	**Existing Joint-use Field and Agreement** • The current joint-use agreement includes public use of the existing baseball infield, backstop, bleachers, and lighting. • Existing drainage issues at the baseball field, with some erosion extending as deep as 12" in the infield. Marston MS refers to the eroded infield as the "Grand Canyon." • Marston P.E. staff expressed concerns regarding safety issues for students, noting recorded incidents such as fractures and broken arms, due to the drainage issues. • Marston MS students use the D.G. fields every day, but the City has not been opening the baseball field for public use recently due to safety concerns. • Community members expressed concerns that the City has neglected the baseball field for years, causing significant drainage issues, and suggested that the baseball field should be repaired as part of the new joint-use field project.	n/a
2.2	**Potential Scope/Needs for New Joint-use Field** • Community members noted that the upper fields are also in poor condition, with significantly compacted D.G. Community members requested if the upper field area could also be developed as part of the new joint-use agreement. • As alternative solutions, community members suggested moving the baseball field to another site or moving it to the upper field area. However, moving the field lighting would impact neighbors and would incur significant costs. • Marston MS teaches track and field every year, and would benefit from a new five-lane 400m track, with room for 100m dash lanes. • Marston P.E. staff noted that it is difficult to scribe the chalk lines required for track and field events in the existing D.G. field. • The District indicated that it is not the intent to create a full 400m track for the campus modernization project. • Community members noted that the space between the existing baseball field and bleachers is possibly too narrow to accommodate a new walking track. • The District is considering stabilized D.G. for the new walking track. • Marston P.E. staff indicated that a new grass field would be very important for the students, and that 2 acres of grass may not be enough. Additionally, P.E. staff feel that the school does not benefit by having a lighted baseball field. • Community members are interested in access to a multi-purpose field that offers flexibility; needs for specific sports at this location will need to be assessed. • Parking needs will also need to be assessed for the new joint-use field; currently the City provides 14 parking spaces at the adjacent rec center. • The District mentioned that additional grass field area could be considered in order to address the current issues at the joint-use field site. • The District also mentioned that public access to the proposed WSM parking lot could be considered; additional needs for gates, fencing, and public egress would also need to be assessed.	**SDUSD, City**

2.3	**New Joint-use Agreement** • The joint-use field will be secured by a third-party security company. • The City will be responsible for mowing and watering the turf, as well as picking up trash. • A permit would be required for large group use on the joint-use fields. • It was noted that the community has been using the upper hardcourts after school hours; should access to the hardcourts be included in the new joint-use agreement? • The existing joint-use permit would need to be amended to include the new field. • The District could also modify the existing agreement so that the Marston P.E. classes could have access to the adjacent park and rec center at no cost for interim use. • Marston MS is also interested in access to the public pool at the adjacent park; the school fundraises $5,000 every year so that students can use the pool.	**SDUSD, City**
2.4	**Additional Items** • The whole site modernization and joint-use field projects could be constructed concurrently, with separate District funding.	**SDUSD**

End of Meeting Notes

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Admin. - Marston MS Survey

6 responses

Review the concept plan below for proposed modernization work and provide feedback:

4 responses

Hard to determine the scale, but it seems the guest area can be reduced while decreasing the size of the clerk work space.

Looks nice but curious where certain things will go. Concerns are in the next answer block.

I am the records clerk who works with all the students physical files and also the clerk to the counselors who oversees students and helps the counselors.

The additional office/conference areas will leave narrow spaces making it less open and inviting. Clerks desks should face the incoming visitors. Who will greet parents and supervise kids in the counseling office and student service areas? Where will the file room be? Do we really want students to be able to roam between student services and counseling by opening that up?

What kind of storage needs and office equipment would be anticipated for the Admin spaces?

5 responses

Standard work equipment would be needed for each office staff member - approx 7 (desk, chair, computer, printer, phone). Storage would be nice, but I don't see enough space to create a storage closet.

Will all the officer copiers be located in the copy room now? Can we move some of the copiers into the main staff lunch room? Where are all the cumulative files be?

copiers, fax machine, reliable Wi-Fi, kitchenette, refrigerator, files

Need to have a space some where close for the CUM files.

Very important, there is no space allocated for the cumulative files of our over 660 students, which the counseling department clerk uses every day.

Where should the mailboxes be located? And how many are needed?

6 responses

Admin. - Marston MS Survey

Mailboxes should be located away from guests, but close to clerks (teachers have to sign-in each morning). Need about 80 mailboxes

Copy room or staff lounge. Do we really need mailboxes? Maybe get something to hang on our doors. If it is confidential, can it be slipped under our door?

on wall between conf room and clerks back wall

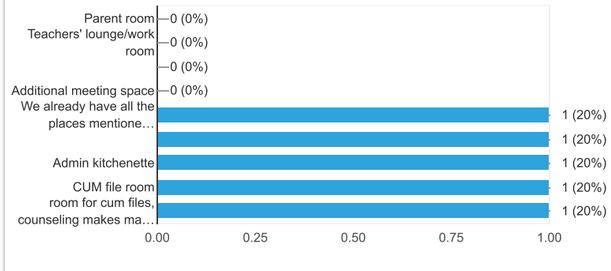
Mailboxes should be in the hallway between principals office and office, the staff entry location. Minimum of 75 mailboxes are necessary, ideally we would need about 80

We currently have atleast 71 staff mailboxes and we use them all. Near the principals office by the bathroom is where all the staff come through and that would be most convenient.

In the copy room? We need enough for all staff.

Is there a need for any of the following spaces at the Admin building?

5 responses



What kind of furniture items and arrangement would be ideal for the student services area?

5 responses

3 work stations (2 clerks and campus supervisor). Bar height workstations for students and possibly parents (about 5). Modern seating for students waiting to be seen by counselor, VP, etc.

Tables, chairs, computers, extra set of text books

tables, chairs, locking cabinets, desk for security staff

Campus Security desk and counseling clerk desk at the student entry to direct student in the right direction.

Important to have a desk for student services clerk who deals with the incoming students, and a desk for the campus security officer in student services. Many times students are detained in that area and need supervision.

How many counselor's offices are needed?

5 responses

3 (2 site counselors and one outside counselor)

3 - one for full time counselor, 1 for part time and 1 for visiting community agencies

3 one is for the school psychologist.

Currently three. Two counselors and one school psychologist.

2 counselors, psych, douglas young/mhrs

Are there group activities that occur at the counseling area? How many students in a group?

4 responses

No. If it were a very small group they could use the conference room

It would be nice to have a space for about 8 to 10 people. Whether it is a small counseling groups or parent/teacher meeting space.

Very rarely however they are sent there for discipline and are to work quietly. Individual separate work station would be best. Numbers can vary with as many as 7 to as little as 1. Most group activities are held in other areas on campus.

Yes. From two students to eight sometimes

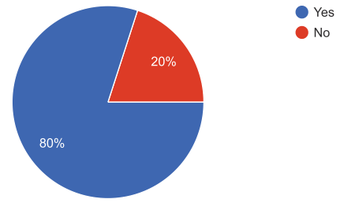
Is there a need for updating the nurse's area?

4 responses

Admin. - Marston MS Survey

Is there a need for updating the curb appeal/school signage at the entrance to the Admin building?

5 responses



Please rank the following areas of focus where modernization would be most beneficial to the Admin building: 1-Updated interior finishes, 2-A more welcoming entry lobby, 3-Student services area, 4-Counseling area, 5-Updated curb appeal/school signage, 6-Security.

6 responses

3,4,2,5,1,6

4, 3, 1, 2, 5, 6

6,1,2,3,5,4

6, 2,1, 4, 3, 5

1,6, 2,4,3,5

4, 3, 6, 2, 5 1

Additional feedback:

3 responses

Office upgrades would be great but they are not as important as rooms used by students

USER GROUP SURVEYS

The idea of having student services, counseling and site tech separate from administration would help with confidentiality issues. I am guessing that the counseling secretary would be the forefront of student services since I see no desks

There needs to be an area for the students file folders! Having the two clerks in the reception area in the front office face each other will be a poor design. Having to look left or right for incoming people is hard. Those positions should face the front door so it is easy to keep the front office secure. Having no one in the counseling area is a bad choice. The students out in this area need supervision based on past experience. Also in the student services area. You need a desk or two in that area to be able to see the students and supervise.

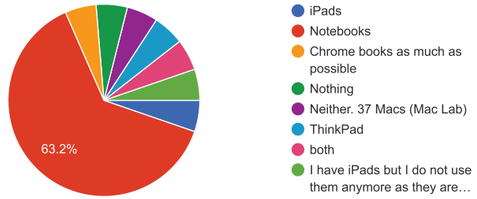
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General Ed. - Marston MS Survey

19 responses

Are students using iPads or notebooks in your classroom?

19 responses



What kind of seating arrangements are used in your classroom?

19 responses

Varies from group to pairs

Tables chairs

Rows that convert within 30 seconds for collaborative work

Rows part time and table groups part time

table rows

Two person tables placed in groups of three.

Groups of 4 (two 2-student desks)

9 groups of 4

Tables in a horseshoe arrangement. I would prefer the new desks that can configure into a variety of group sizes

Table groups

2 seat desks in rows

tables of 4

Around perimeter of classroom.

18 2 person student desks

General Ed. - Marston MS Survey

Horseshoe table configuration. 2 students per table.

Different seating arrangements. Groups, rows, E's, U's, and tables of six

Table groups of 6

group and cooperative seating

One that holds 50 students for physical education! The desks on the outside are a U shape with rows in the middle.

What size group activities are typical for the curriculum?

18 responses

4

2-4

2 to 5 depending on the activity

Small group and whole class labs and projects along with lectures

group size range from 2 to 6

three to six

Four

4-6

2 to 4 students

group work of 2 or 4

36 students in every class. They work in groups of 3 for group work.

6 students per group

Whole group, small group, (from 3 to 6 students)

5 to 6 students per group

groups of 4-6

Whole class instruction, pairs or groups of 4. The room is too small for 50 students to get up and move around easily.

What are the storage needs in your classroom? Are you using built-in cabinets/shelving or separate furniture items?

19 responses

USER GROUP SURVEYS

I have one big built in cabinet with no very little shelving and a small cupboard space in the rear of the room. I like more shelves and a secure place to lock paperwork. I'd also love to move to flexible seating and have space for that as well in the room

All of the above 4,5 3

2 built-ins, a stand-alone drawer unit and 3 bookcases - enough for my needs

built in cabinets and shelving

Using built in cabinets and storage bins

separate furniture items

I am currently using built-cabinets, but am open to using either built-in cabinets or separate furniture

I have my own shelves in my office. I used a built in unit in my office. I use the big cupboard and 2 book shelves

I have very little storage. I would prefer to have some type of locking cabinet storage.

Built in cabinets and book shelves

Built in cabinets and file cabinets

build in cabinets . I prefer movable furniture

I need a ton of storage for video gears, mics, tripods....Yes.

built in cabinets

The storage space I have is adequate.

I am using built in cabinets, my own bookshelves and shelving in the office.

I use built-in cabinets and book shelves

both

I have a separate office and built in shelves which are sufficient.

Please rank the following areas of focus where modernization would be most beneficial to the classrooms: 1-New paint/flooring, 2-Writable walls/tackable surfaces, 3-Built-in cabinet/shelving updates, 4-New windows/doors, 5-Technology upgrades.

19 responses

5, 3,4,1,2

4 5 3 21

4, 1, 5, 3, 2

5,4,1,2,3-Science rooms have built in cabints

4, 5, 3, 2, 1

4, 1, 2, 5, 3

5, 3, 1, 2, 4

5, 4, 3, 2, 1

4, 1, 2, 3, 5

4, 1, 5, 2, 3

5, 1, 4, 3, 2

4, 2, 1, 5, 3

1, 3, 4, 5, 2

5,1,2,3,4

5, 4, 3, 1, 2

1. writable walls/tackable surfaces, 2. Built in cabinet/shelving updates, technology, flor/paint. For Room 114, the art room, 1. Technology updates, New paint and flooring, Cabinet/shelving, writable walls/tackable surfaces, and last New windows and doors.

2,3,4,5,1

1, 4, 2, 3, 5

5, 1, 2, 4, 3

Additional feedback:

6 responses

I have some frosted windows which are badly scratched or written on. I'd like these fixed or removed. I'm ok with my cabinet space but I'd like more adjustable shelves. I use my tile floor as a grid spaces for graphing and like to keep a gridded tile floor.

New desks and chairs!

Upgrades to the auditorium lighting and sound would benefit the whole school not just performance arts.

upgrades are needed ASAP.

There's not enough wall space to suppor writable walls. The dimensions of cabinets in my room (210) are exactly what I need!

I have two classrooms. Both classrooms need a great deal of storage space. The art room desperately needs new paint, new cabinets, but the cabinet wall of long drawers are essential for the art room to function appropriately. Please do not eliminate any of the storage drawers. The sink really needs an upgrade, the faucets are always falling off and the drains are always clogging. New window coverings would be really nice for both classrooms as the blinds do not work well. Also, if you update the windows, it would be so nice if they could be sliding windows, not pull out windows.

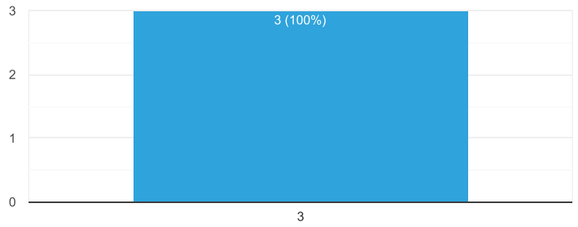
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P.E. - Marston MS Survey

3 responses

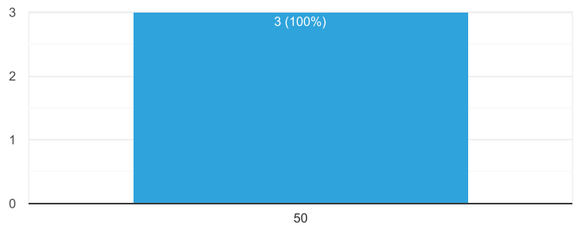
How many P.E classes occur simultaneously each day?

3 responses



How many students in a class?

3 responses



How much of the P.E. curriculum occurs indoors?

3 responses

P.E. - Marston MS Survey

Hard to answer. Sometimes the activities are best suited for indoors, but resources force those activities outdoors. Marston needs an indoor athletic space. Ideally, the students would be indoors for P.E. about 50% of the time.

30%

Perhaps 25-35% of the total curriculum. Approximately 35-40% of the California Model Content Standards for Physical education are cognitive requiring a response/assessment which is not necessarily physical.

What P.E. activities are done indoors?

3 responses

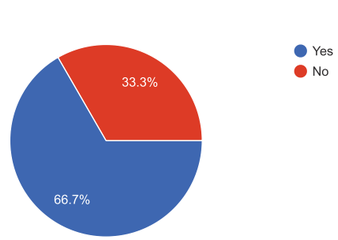
dance, cross-training, core exercises, weight-training, . Many of the activities currently done outdoors would be better to do indoors. Marston is one of the few schools in the area that do not have either a gym or a multi-purpose room.

Book work, videos, presentations, computer work

Weight training, tumbling, CPR training and juggling units are 100% indoors. Fitness training, testing and concepts & strategies and dance are partially indoors throughout the year. Concepts in biomechanics, game strategy, health and social skill concepts are also taught indoors.

Is it practical to have more than one P.E. class occur in a large, multi-purpose “activity room?"

3 responses



Could the multi-purpose “activity room” be semi-divided with fold-up divider curtains?

3 responses

USER GROUP SURVEYS

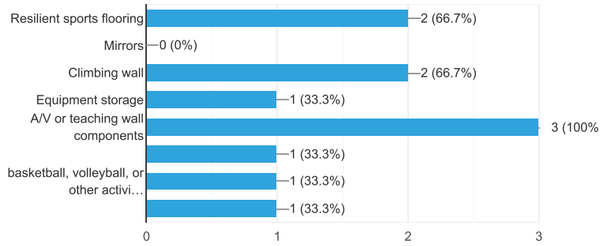
yes, depending on the activity.

I suppose

To clarify the question above, it would be practical for an activity room to hold more than one class IF the teachers are team teaching, combining two classes of the same grade for a better learning outcome (ie: square dance unit). If the classes are not the same grade level (our current situation as no team teaching possibilities exist with this schedule), then no, a curtain would do almost nothing to deaden the sound of 50 children on the other side. In addition, I constantly use music in my classes because it motivates children and some of the PE standards dictate mastery of moving to music. For fitness circuits, I use an app with my music to signal the end of a station time and the need to rotate. It would be difficult for one teacher to be explaining a concept on one side of the curtain while the other teacher is playing music in their class.

Which items would be ideal for a P.E. “activity room?"

3 responses



Is it necessary to have fitness equipment located in a dedicated fitness room? Or can fitness equipment be located in a large, multi-purpose "activity room?"

3 responses

I think they should be separate. You don't want a student accidentally running into a large, metal stationary machine.

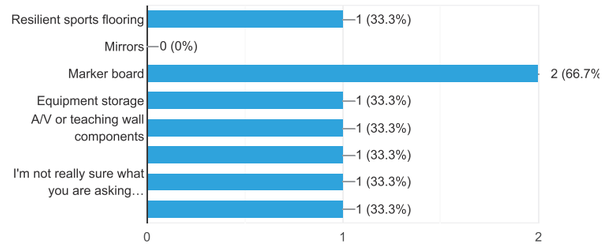
I would prefer that the rooms be separate.

It should have it's own room so that other teachers do not lose access to an indoor activity room because another teacher is in a 4 week weight training or tumbling, etc. unit.

P.E. - Marston MS Survey

Which items would be ideal for the “fitness center" if it were to be renovated?

3 responses



How many and what size lockers are needed to accommodate Marston’s P.E. program?

2 responses

what we have is good

Current school population is approximately 700 students (350 lockers minimum in boys' and girls' locker rooms). Current long lockers are too small to fit many of today's backpacks.

Is there an ideal locker size/configuration?

2 responses

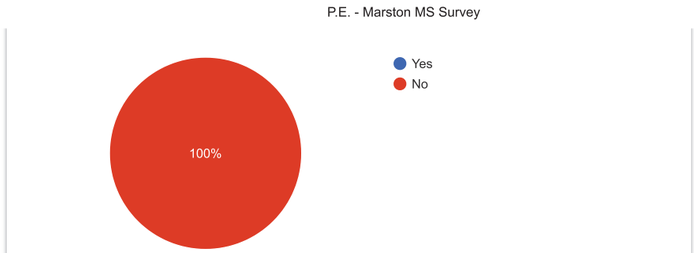
what we have is good

The long lockers are tall enough but not wide enough to hold many backpacks. If there is enough space to give each child a long locker and skip transferring items from the little basket, that would be ideal. In the boys' locker room, there is currently only one bench between two rows of lockers. Each row of lockers must have a bench for students to sit on like it is now in the girls' locker room.

Is there a need for showers at the locker rooms?

3 responses

USER GROUP SURVEYS



Please rank the following areas of focus where modernization would be most beneficial to Marston's P.E. program: 1-Renovate locker rooms/showers, 2-Renovate fitness center, 3-Add indoor multi-purpose activity space, 4-Add grass play fields

3 responses

If cost was not a consideration the rankings would be 3, 4, 1, 2

4, 3, 2, 1

3, 4, 2, 1

Additional feedback:

2 responses

Marston needs a large indoor athletic space

Any activity room should be large enough for 60+ people to freely move in and soundproofed if other classes are nearby. Physical education class size is capped at 60 but there are adult aides in addition to the teacher. The activity room should have all of the same amenities as a classroom (Promethean board, markers boards, sound system etc.) as this area will also be used to teach and assess cognitive concepts. The activity room should be located as near the locker room as possible to avoid 50+ students walking down the hallways disrupting other classes. Multiple classes in an activity room the size of a gymnasium would be acceptable. An outdoor fitness center was previously mentioned but not desired. Each locker room should have 1-3 showers available for students to use. Thank you for your time in considering our needs and requests!

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Spec. Ed. - Marston MS Survey

1 response

What is the ideal location for the Special Ed. classrooms on campus?

1 response

Mild/Mod classrooms need to remain the same... dispersed amongst all gen ed classrooms. I can't speak for mod/severe, as they have different needs than our mild/mod kids.

What kind of equipment is needed/required for the Special Ed. classrooms?

1 response

For mild/mod day classes, we need everything the gen ed classrooms get. We would also benefit greatly from flexible seating options.

Is there a need for an adaptive physical education (APE) program or a Special Ed. activity room?

1 response

That's best answered by our APE teacher and mod severe teacher. Mild/Mod kids don't need an "activity room", and the mild/mod kids receiving APE are few and far between from what I've seen. It seems to me they are on more of a consult basis and don't really need a separate room, but again, the mod severe kids are a whole different story and I can't speak to that since I don't teach that population.

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5.3 - AERIAL/BOUNDARY SURVEY - ATTACHMENT

5.4 - DRAINAGE SURVEY - ATTACHMENT

5.5 - TRAFFIC STUDY - ATTACHMENT

Appendix C
Energy Appendix

ESA

Energy Appendix
Table of Contents

1 Assumptions and Calculations
2 Emissions Information
3 CalEEMod Output (See GHG Appendix)
4 EMFAC2017 (See Air Quality Appendix)

1. Assumptions and Calculations

Franklin School Project
Energy Summary

Construction Fuel Consumption Summary

	gallons		
Year	**Diesel**	**Gas**	**# Years**
Total Compressed	***35,266***	***4,182***	1
Annual Average	35,266	4,182	

*Note: Mitigated and unmitigated construction emissions of CO_2 are identical

State Usage (2017)[1,2]	3,107,823,655	15,589,042,965
Project % State	0.0011%	0.0000%
County Usage[3]	92,000,000	1,231,000,000
Project % County	0.0383%	0.0003%

Construction	Total Gallons	Annual Comp		
Onsite Equipment	29,886	29,886	diesel	35,266
Onsite Equipment	0	0	gasoline	5,380
Haul Trucks	2,226	2,226	diesel	
Vendor Trucks	3,153	3,153	diesel	
Worker Trips	4,182	4,182	gasoline	
	5,379.52	5,379.52		

Annual Operational Fuel Consumption No New Trips/no mobile source emissions.

	gallons		Million kBTU/yr[3]	GWh/yr[3]		
	Diesel	**Gas**	**Natural Gas**	**Electric**		
Existing						
Unmitigated	0.00	0.00	0.242	0.230		
% of County	*0.00%*	*0.00%*	0.0003%	0.001%		
% SDG&E				0.001%		
%SoCalGas			0.00022%			
New Building						
Unmitigated	0.00	0.00	0.057	0.07	0.222	0.225
% of County	*0.00%*	*0.00%*	0.0000%	0.000%		
%SDGE/SoCal (2017)			0.000222%	0.000%		
Modernization						
Unmitigated	0.00	0.00	0.165	0.16		
% of County	*0.00%*	*0.00%*	0.00%	0.001%		
%SDGE/SoCal (2017)			0.00%	0.001%		
Net						
Unmitigated	0.00	0.00	-0.0195	-0.0046		
% of County	*0.00%*	*0.00%*	0.0000%	0.0000%		
%SDGE/SoCal (2017)			-0.00002%	-0.00002%		

Franklin School Project
Energy Summary

	KBTU	kWh	GWh	
Existing[4]	241,970	223,330		0.22
New Building[4]	57,486	64,052		0.22
Modernization[4]	164,972	154,158		
San Diego County	81,707,000,000		15,635	
SDGE (2017)			18,660	
SDGE (2020)			24,119	
SoCalGas (2017)	109,135,000,000			
SoCalGas (2024)	108,040,000,000			

Assumptions

Gasoline

19.6 pounds of CO_2 per gallon of gasoline[7]

0.45 kg = 1 pound

8.89 Kg of CO_2 per gallon of Gasoline

Diesel

22.4 pounds of CO_2 per gallon of diesel fuel[7]

0.45 kg = 1 pound

10.16 Kg of CO_2 per gallon of Gasoline

Construction	diesel	Used for trucks (haul and vendor) and off-road equipment
	gasoline	worker vehicles
Operation	diesel	Majority of trucks and buses
	gasoline	remaining vehicle mix

LCFS & Pavley assumed for on-road vehicles after year 2011

Sources:

1 CEC. 2018a. Gasoline Fuel Data, Facts and Statistics. Taxable Diesel Sales in California. Available: http://www.energy.ca.gov/almanac/transportation_data/gasoline/. Accessed October 2018.

2 CEC. 2018b. Diesel Fuel Data, Facts and Statistics. Taxable Diesel Sales in California. Available: http://www.energy.ca.gov/almanac/transportation_data/diesel.html. Accessed October 2018.

4 ESA 2019 Annual CalEEMod Output

5 http://www.ecdms.energy.ca.gov/elecbyutil.aspx

6 http://www.ecdms.energy.ca.gov/gasbyutil.aspx

7 U.S. Energy 2017: https://www.eia.gov/tools/faqs/faq.php?id=307&t=11

Franklin School Project
Energy Summary

Operational Water Energy Estimates

Source	Indoor Water Use	Outdoor Water Use	Total Water Use	Electricity Demand (million kWh)	
Existing	0.513453	0	0.513453	0.0066857	
New Building	0.19564	0	0.19564	0.0025474	0.01
Modernization	0.356722	0	0.356722	0.0046449	

CalEEMod Water Electricity Factors

Electricity Intensity Factor To Supply (kWh/Mgal)	Electricity Intensity Factor To Treat (kWh/Mgal)	Electricity Intensity Factor To Distribute (kWh/Mgal)	Electricity Intensity Factor For Wastewater Treatment (kWh/Mgal)
9727	111	1272	1,911

Franklin School Project

Unmitigated Fuel Conversion - Construction

	Total CO_2 MT/yr	Fuel Type	Factor $KGCO_2$/gal	Gallons	Total Diesel (gal)	Total Gas (gal)
Add Portable Classrooms						
Off-road	0.00	diesel	10.16	0		
Off-road		gasoline	8.89	0		
Haul	1.39	diesel	10.16	137		
Vendor	0.00	diesel	10.16	0		
Worker	0.74	gasoline	8.89	83	137	83
Site Modernization						
Off-road	4.10	diesel	10.16	404		
Off-road		gasoline	8.89	0		
Haul	0.00	diesel	10.16	0		
Vendor	0.60	diesel	10.16	59		
Worker	0.93	gasoline	8.89	105	463	105
Demolition (Buildings 04-05/05-06)						
Off-road	21.21	diesel	10.16	2,088		
Off-road		gasoline	8.89	0		
Haul	20.53	diesel	10.16	2,021		
Vendor	0.00	diesel	10.16	0		
Worker	0.86	gasoline	8.89	97	4,108	97
Grading						
Off-road	3.12	diesel	10.16	307		
Off-road		gasoline	8.89	0		
Haul	0.00	diesel	10.16	0		
Vendor	0.00	diesel	10.16	0		
Worker	0.13	gasoline	8.89	15	307	15
Site Modernization						
Off-road	7.32	diesel	10.16	721		
Off-road		gasoline	8.89	0		
Haul	0.00	diesel	10.16	0		
Vendor	1.08	diesel	10.16	106		
Worker	1.65	gasoline	8.89	186	827	186
Building Construction						
Off-road	182.36	diesel	10.16	17,948		
Off-road		gasoline	8.89	0		
Haul	0.00	diesel	10.16	0		
Vendor	21.53	diesel	10.16	2,119		
Worker	17.20	gasoline	8.89	1,935	20,067	1,935
Paving						
Off-road	5.93	diesel	10.16	584		
Off-road		gasoline	8.89	0		
Haul	0.00	diesel	10.16	0		
Vendor	0.00	diesel	10.16	0		
Worker	0.43	gasoline	8.89	48	584	48

Franklin School Project

Unmitigated Fuel Conversion - Construction

	Total CO_2 MT/yr	Fuel Type	Factor $KGCO_2$/gal	Gallons	Total Diesel (gal)	Total Gas (gal)
Architectural Coating						
Off-road	1.28	diesel	10.16	126		
Off-road		gasoline	8.89	0		
Haul	0.00	diesel	10.16	0		
Vendor	0.00	diesel	10.16	0		
Worker	0.17	gasoline	8.89	19	126	19
Demolition (Portable 2)						
Off-road	1.57	diesel	10.16	155		
Off-road		gasoline	8.89	0		
Haul	0.20	diesel	10.16	20		
Vendor	0.00	diesel	10.16	0		
Worker	0.05	gasoline	8.89	6	174	6
Site Modernization						
Off-road	60.05	diesel	10.16	5,910		
Off-road		gasoline	8.89	0		
Haul	0.00	diesel	10.16	0		
Vendor	8.83	diesel	10.16	869		
Worker	13.56	gasoline	8.89	1,525	6,780	1,525
SM - Architectural Coating						
Off-road	12.79	diesel	10.16	1,259		
Off-road		gasoline	8.89	0		
Haul	0.00	diesel	10.16	0		
Vendor	0.00	diesel	10.16	0		
Worker	1.32	gasoline	8.89	148	1,259	148
Demolition (Portables 1, 3, and 4)						
Off-road	3.93	diesel	10.16	386		
Off-road		gasoline	8.89	0		
Haul	0.50	diesel	10.16	49		
Vendor	0.00	diesel	10.16	0		
Worker	0.13	gasoline	8.89	15	435	15

Estimated Fuel Savings from Anti-Idling Regulation (64% based on CARB emissions reductions)

	Gallons	% Idling	Gallons Idle
Annual Haul	2,226.02	1.03	23
Annual Vendor	3,153.50	8.80	278
Total			300
Savings			108

Source: California Air Resources Board (CARB), 2004. Staff Report: Initial Statement of Reasons for Proposed Rulemaking, Airborne Toxic Control Measure to Limit Diesel-Fueled Commercial Motor Vehicle Idling, Appendix F, July 2004, https://www.arb.ca.gov/regact/idling/idling.htm, accessed November 2016.

Franklin School Project
Unmitigated Fuel Conversion - Construction

Construction Water Energy Estimates

Source	Acres	Daily Use (Mgal)	days of Project	Total Use (Mgal)	Total Electricity Demand (kWh)	Annual Electricity Demand (kWh)
Project	1.43	0.00429	251	1.077	14,021	14,021

CalEEMod Water Electricity Factors

Electricity Intensity Factor To Supply (kWh/Mgal)	Electricity Intensity Factor To Treat (kWh/Mgal)	Electricity Intensity Factor To Distribute (kWh/Mgal)	Electricity Intensity Factor For Wastewater Treatment (kWh/Mgal)
9727	111	1272	1,911

	kWh
Annual Project	14,021
SD County	15,635,000,000
% County	0.000090%

Sources:

Electricity Intensity Factors - California Emissions Estimator Model (CalEEMod).

Estimated construction water use assumed to be generally equivalent to landscape irrigation, based on a factor of 20.94 gallons per year per square foot of

landscaped area within the Los Angeles area (Mediterranean climate), which assumes high water demand landscaping materials and an irrigation system efficiency of 85%.

Factor is therefore (20.94 GAL/SF/year) x (43,560 SF/acre) / (365 days/year) / (0.85) = 2,940 gallons/acre/day, rounded up to 3,000 gallons/acre/day.

(U.S. Department of Energy, Energy Efficiency & Renewable Energy, Federal Energy Management Program. “Guidelines for Estimating Unmetered Landscaping Water Use." July 2010. Page 12, Table 4 - Annual Irrigation Factor – Landscaped Areas with High Water Requirements).

2. Emissions Information

Franklin School Project
Energy Information - Electricity

Accessed: Mar-19

Electricity Information

SDG&E

San Diego County	15,635,000,000	kWh	
	15,635	gWh	2017 Data

CEC Electircal Consumption by County: http://www.ecdms.energy.ca.gov/elecbycounty.aspx

SDG&E Total	18,659,603,000	kWh	
	18,660	GWh	2017 [1]
	24,119	GWh	2020 [2]

1 CEC, 2016. Electricity Consumption by Entity; http://www.ecdms.energy.ca.gov/elecbyutil.aspx

2 CEC 2009; https://www.energy.ca.gov/...forecast.../Chap4SDGEforms-Adopted-09.xls

Electric Power Mix Delivered to SCE Retail Customers in 2017

Energy Resources	2017 Power Mix[a]	2017 Eco Choice Mix [a]	2017 CA Power Mix [a]
Eligible Renewable	44%	100%	29%
• Biomass & waste	2%	0%	2%
• Geothermal	0%	0%	4%
• Small hydroelectric	0%	0%	3%
• Solar	21%	100%	10%
• Wind	21%	0%	10%
Coal	0%	0%	4%
Large Hydroelectric	0%	0%	15%
Natural Gas	39%	0%	34%
Nuclear	0%	0%	9%
Other	0%	0%	<1%
Unspecified sources of power [b]	17%	0%	9%
TOTAL	**100%**	**100%**	**100%**

[a] California Energy Commission, Utility Annual Power Content Labels for 2012 & 2017

[b] "Unspecified sources of power" means electricity from transactions that are not traceable to specific generation sources.

Franklin School Project
Energy Information -Natural Gas

Accessed: Mar-19

Natural Gas Information

SDG&E

San Diego County 81707 million KBTU 2018

San Diego Gas and Electric, 2018 Energy Data, 2018. Available at: https://energydata.sdge.com/ Accessed February 2019

SDG&E Total

2013	2017	2020		
371	299	296	MMCF/day	(total Supply Taken)
135,415	109,135	108,040	MMCF/year	
1.35415E+11	1.09135E+11	1.0804E+11	CF/year	
1,000	1,000	1,000	BTU per cubic feet	
1.35415E+14	1.09135E+14	1.0804E+14	BTU	
135,415	109,135	108,040	Billion BTU	
135,415,000	109,135,000	108,040,000	Million BTU	

SoCal Gas 2018 California Gas Report: https://www.socalgas.com/regulatory/cgr.shtml.

https://www.socalgas.com/regulatory/documents/cgr/2018_California_Gas_Report.pdf

Franklin School Project
Energy Information - Transportation Fuels

Accessed: Mar-19

Transportation Fuels

Gasoline

State Consumption

15,589,042,965 gallons 2018

15.59 billion gallons 18.70

http://www.energy.ca.gov/almanac/transportation_data/gasoline/

http://www.cdtfa.ca.gov/taxes-and-fees/MVF_10_Year_Report.pdf

County Consumption

1,231 million gallons San Diego 2017

http://listserver.energy.ca.gov/almanac/transportation_data/gasoline/piira_retail_survey.html

2010-2017 CEC-A15 Results and Analysis (XLSX File

Diesel

Diesel Consumption

3,107,823,655 gallons 2017

3.11 billion gallons

https://www.cdtfa.ca.gov/taxes-and-fees/spftrpts.htm

http://www.cdtfa.ca.gov/taxes-and-fees/Diesel_10_Year_Report.pdf

County Consumption

92 million gallons San Diego

http://listserver.energy.ca.gov/almanac/transportation_data/gasoline/piira_retail_survey.html

2010-2017 CEC-A15 Results and Analysis (XLSX File

Integrated Energy Policy Report

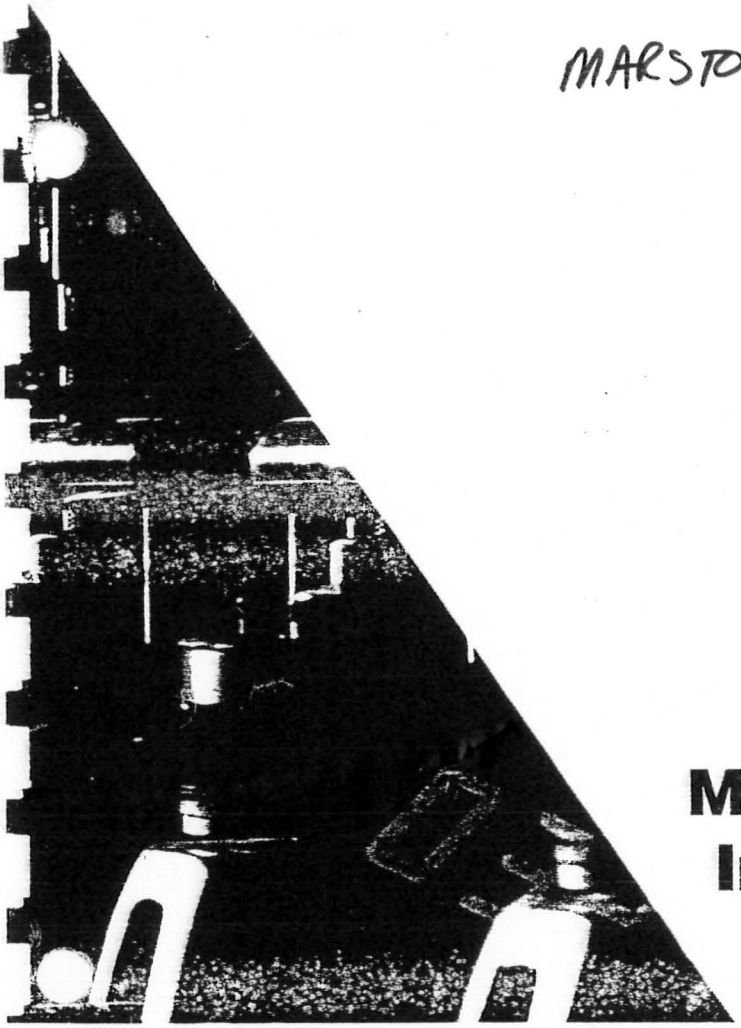
https://www.energy.ca.gov/energypolicy/

Appendix D
Geotechnical Report

ESA

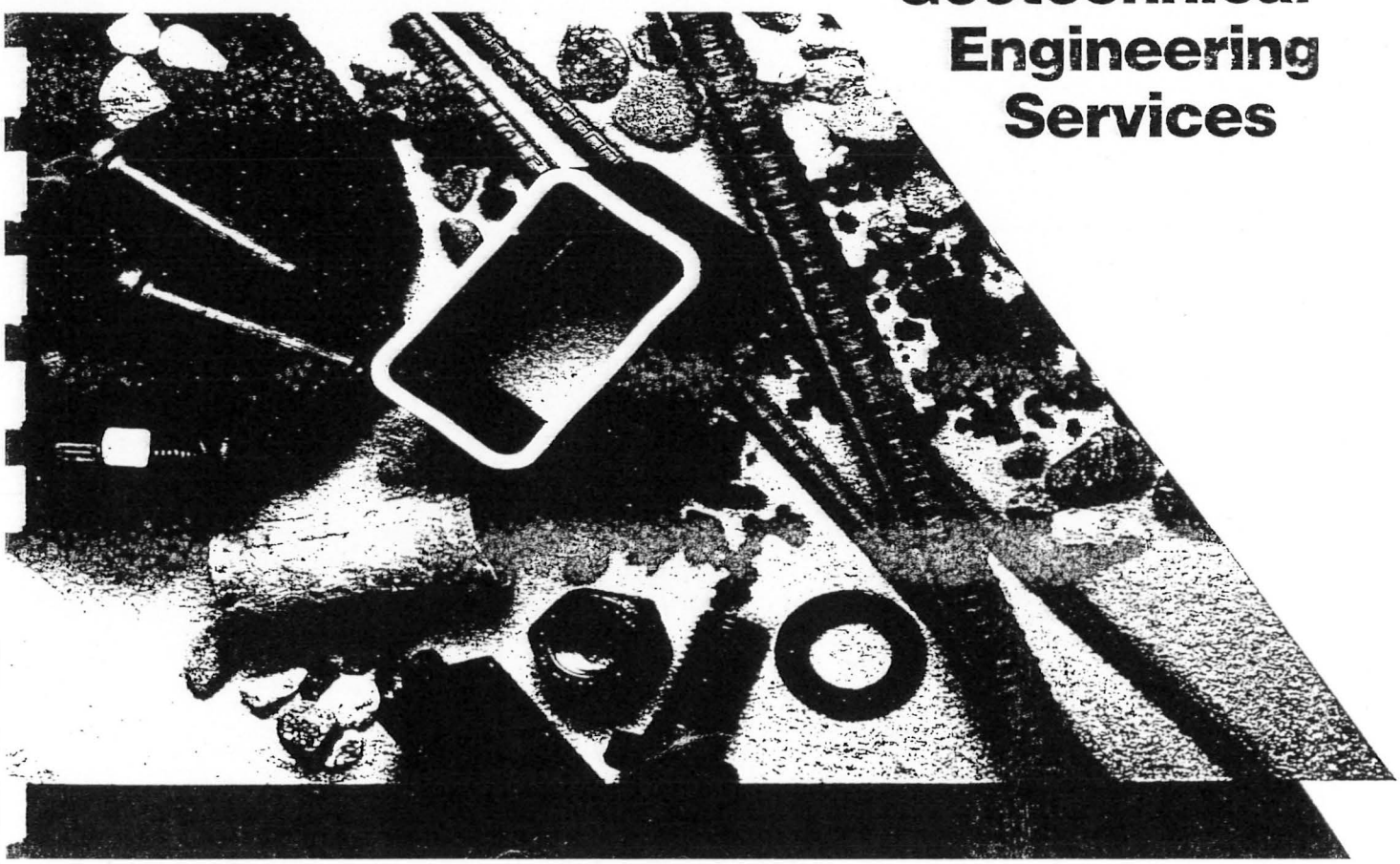
MARSTON M.S.

MTGL



Material Inspection and Testing

Geotechnical Engineering Services



PRELIMINARY
GEOTECHNICAL INVESTIGATION

Marston Middle School Library Addition
3799 Clairemont Drive
San Diego, California

Prepared For:

HMC Architects
11682 El Camino Real, Suite 300
San Diego, California 92130

Prepared By:

MTGL, Inc.
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Project No. 1646-A09
Log No. 02-007

January 18, 2002

January 18, 2002

HMC Architects
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Project No. 1646-A09
Log No. 02-007

Attention: Mr. Stacey Strand

SUBJECT: **Preliminary Geotechnical Investigation**
Marston Middle School, Library Addition
3799 Clairemont Drive
San Diego, California

In accordance with your request and authorization we have completed a Geotechnical investigation at the subject site. We are pleased to present the following report with our conclusions and recommendations for remedial grading and foundations.

Planned construction is an addition/replacement to the existing library building. Although building plans or preliminary loads are not available at this time we have assumed normal foundation loading of 50 to 75 kips for pad footings and 2 to 5 kips for perimeter footings. If expected loads exceed these ranges we should be consulted for additional foundation recommendations. Our report concludes that the site is suitable for construction if the recommendations presented are incorporated into the plans and specifications for the proposed construction.

Due to the close proximity of the bedrock to the surface we are recommending that the foundations all be founded on one foot of compacted fill or as an alternative deepened to all be founded on bedrock. Floor slabs should be founded on one foot of fill that includes the 4-inch sand and visqueen vapor barrier. Proposed grades are not currently available although only minor grade changes are anticipated. Special presoaking is not required.

We look forward to providing additional consulting services during the planning and construction of the project.

If you have any questions concerning our report or planned construction please contact our office.

Respectfully submitted,

MTGL, Inc.





Thomas C. Hare
Chief Geotechnical Engineer R.G.E. 380
Expiration Date: December 31, 2004

Gary D. Johnpeer
Certified Engineering Geologist CEG 1118

Distribution (3) Addressee

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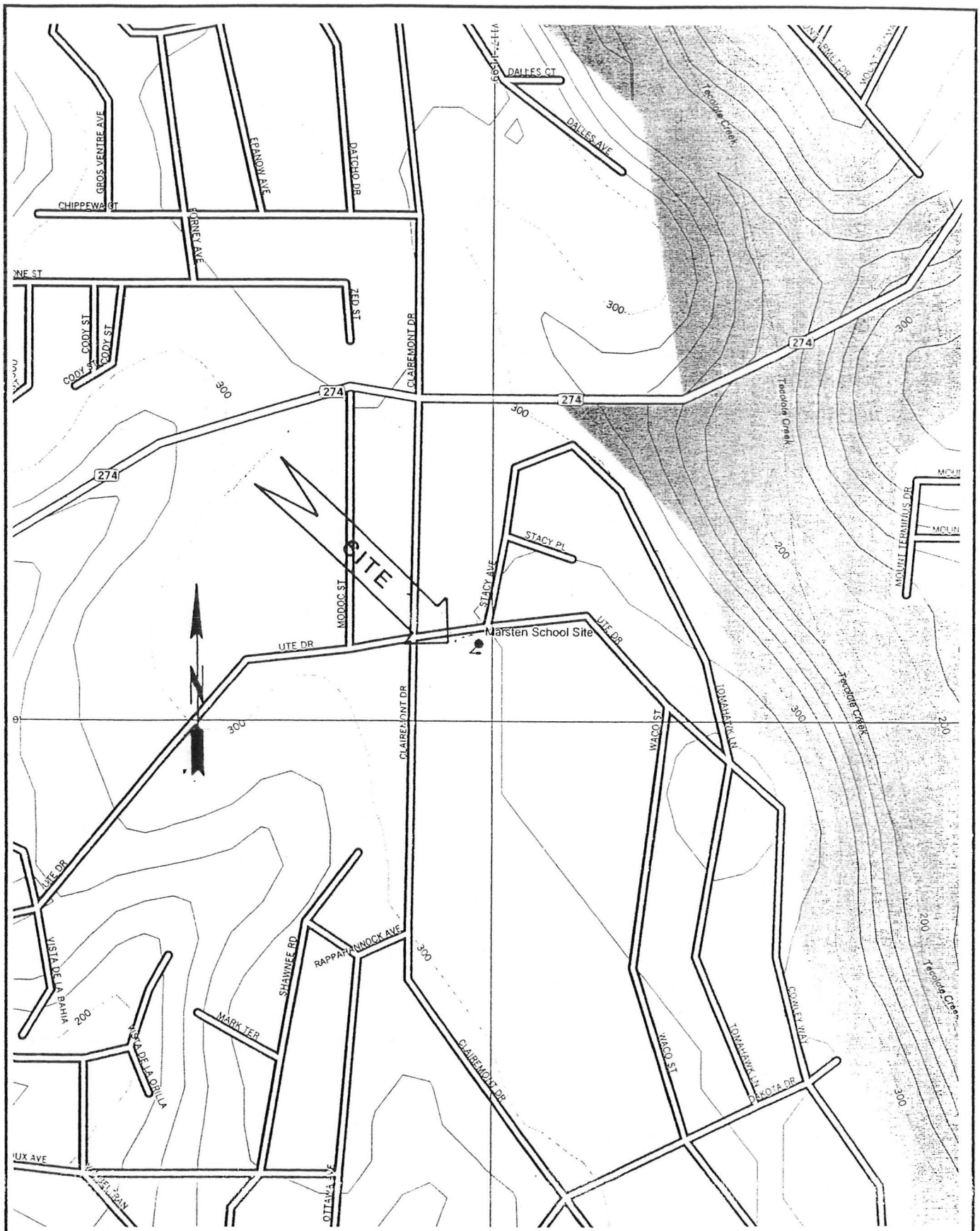
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SOURCE: Topo USA, 1999, Scale 1:6,400

Marsten School Library Site

Project No.	1646-A09	Date:	January-02	Figure 1

MTGL, Inc.

INTRODUCTION

In accordance with your request and authorization, MTGL, Inc. has completed a preliminary Geotechnical investigation for the subject site. The following report presents our findings, conclusions and recommendations based on our investigation, laboratory testing, and engineering review.

PLANNED CONSTRUCTION

The site lies adjacent to the existing library building at the school. Current plans are to construct an addition/replacement to the existing facility. The site is located in the northerly area of the campus and faces Ute Street to the north with grass and paved areas to the east and west and the existing building to the south (See Boring Location Plan). The site is relatively level with existing trees and landscaped areas.

SCOPE

The scope of our Geotechnical services included the following:

- Preliminary Geotechnical investigation consisting of excavating four borings to detail subsurface conditions and sample for laboratory testing. (See Boring Location Plan, Figure 2 and Appendix B, Field Investigation).

- Laboratory testing of samples (See Appendix C).

- Geotechnical engineering review of data and engineering recommendations.

- Preparation of this report summarizing our findings and presenting our conclusions and recommendations for the proposed construction.

FINDINGS

Geotechnical Conditions

The site is a landscaped area and relatively level with sidewalks and the southerly portion is the existing library. All of the borings went through approximately one foot of disturbed surficial soils and into the underlying native bedrock material. The native bedrock in this area consists of a dense sandy siltstone. The drill hit refusal at approximately 21 feet due to the tightness of the material. No groundwater was encountered in any of the borings.

Laboratory Testing

The laboratory testing was moisture density of the undisturbed sample and moisture content of the disturbed samples. Grain size and Atterberg limits of select soils were determined for classification and index properties. The maximum density was determined on samples of the near surface soils for shrinkage. Direct shear and consolidation testing was accomplished for foundation bearing and settlement determinations. Expansion Index and Corrosivity Series in the near surface soils were determined for slab-on-grade and concrete recommendations. R-value testing was completed for hardscape and pavement recommendations. The results and expanded explanation of laboratory testing are presented in Appendix C.

GEOLOGY

Regional Geologic Conditions

The site is located in the coastal section of the Peninsular Range Province of California. According to CDMG, 1975, two principal rock types underlie the site region: an igneous/metamorphic basement complex and an overlying sequence of sedimentary rock strata. This area of the Peninsular Range Province has undergone several episodes of marine inundation and subsequent marine regression throughout the last 54 million years, which has resulted in the deposition of a thick sequence of marine and nonmarine sedimentary rocks on the basement rock of the Southern California Batholith. Gradual emergence of the region from the sea occurred in Pleistocene time, and numerous wave-cut

platforms, most of which were covered by relatively thin marine and nonmarine terrace deposits, formed as the sea receded from the land. Accelerated fluvial erosion during periods of heavy rainfall, coupled with the lowering of the base sea level during Quaternary times, resulted in the rolling hills, mesas, and deeply incised canyons which characterize the landforms in the general site vicinity today.

Site Geology

Two geologic units were encountered at the site as described below.

Artificial Fill

Artificial fill was observed at each boring. The artificial fill ranges in thickness up to approximately 3-feet below grade and generally consists of moist to very moist, dark grayish brown silty clay with scattered roots.

Bedrock (Pleistocene age Lindavista formation)

According to CDMG, 1975, bedrock at the site, consists of Pleistocene age Lindavista formation. This material generally consists of nearshore marine, beach, and nonmarine sediments deposited on a wave-cut platform. It is generally a reddish-brown sandstone and conglomerate that is iron-cemented (mainly hematite) derived from erosion of the underlying Poway Group of Eocene age. Locally, the underlying Poway Group rocks are indistinguishable from the Lindavista formation.

Faulting and Seismicity

According to CDMG, 175, the area is seismically relatively "quiet", however, it lies within a part of southern California considered to be tectonically active. No known Holocene faults exist in the site area, however, the Pleistocene Lindavista formation, which underlies the site, has been faulted in several places in the region.

Based on review of the Fault-Rupture Hazard Zone maps in California (California Division of Mines and Geology, 1997), the subject site is not located within an earthquake hazard

zone. In addition, no known active faults or potentially active faults occur at the subject site. The closest known active faults are associated with the Rose Canyon fault system located approximately 1.5-miles west.

Landslides

The site is not underlain by any active or ancient landslides. No evidence of landslides was encountered during this investigation. Given the very dense condition of the underlying Lindavista formation, the potential for landslides is considered low.

Excavation Wall Stability

Stability evaluations for any on-site excavations, such as basements or retaining walls, would need to be evaluated on a case-by-case basis.

Seismic Induced Settlement

The potential for settlement due to ground shaking is considered to be low due to the density of the on-site Lindavista formation bedrock at the site. Areas of poor compaction of the near-surface artificial fill, or shallow-seated loose to medium dense native soils are considered to have moderate potential to settle appreciably in the event of strong ground shaking and should therefore be removed during site grading.

Lurching and Shallow Ground Rupture

Breakage of the ground surface because of active faulting is not likely at the site due to the absence of known active faults.

Tsunamis and Seiches

Because the site is located a sufficient distance inland from the coast at a site elevation of approximately 325 feet above sea level, inundation by tsunamis is not considered credible.

Liquefaction Potential

Liquefaction, the process by which water-saturated sediment loses strength and may fail during strong ground shaking, commonly accompanies moderate to great earthquakes throughout the world. Water-saturated, cohesionless, granular sediment situated at depths less than 30 feet beneath the surface constitutes the principal environs of the liquefaction process. Due to the relatively dense nature of the siltstone bedrock at the site, liquefaction potential at the site is considered nil at the area of proposed construction.

Earthquake Accelerations

The computer program EQFAULT (Reference 1) was used to evaluate ground acceleration potential at the site. Based on the results, it appears that a maximum credible peak site acceleration of 0.405 g would be produced from the maximum credible earthquake of 6.9 on the Rose Canyon Fault located approximately 2 miles away.

Seismic Induced Settlement

The potential for settlement due to ground shaking is considered to be low due to the density and stiffness of the on-site soils. Areas of poor compaction or loose native soils are considered to have moderate potential to settle appreciably in the event of strong ground shaking.

CONCLUSIONS

General Conclusions

Based on our Geotechnical review of the planned construction, it is our opinion that the site is suitable for the proposed construction provided our conclusions are taken into consideration during design, and our recommendations are incorporated into the construction plans and specifications and implemented during grading and construction.

Excavation Characteristics/Shrinkage

Based on the drilling for the subsurface investigation, which was done by hollow stem auger, hard rock excavation problems (cobbles and hard soil materials) will be encountered in any excavation exceeding 1½ feet. Shrinkage of the upper compacted fill is expected to be 10 to 15 percent.

Settlement Considerations

Maximum long-term settlement for planned footing stress is expected to be on the order of ½ inch. Total differential settlement should not exceed ¼ inch over a horizontal distance of 50 feet.

Expansion Potential/Fill

The onsite soils have low potential and are suitable for use as fill if organic debris is removed prior to placement as fill. Import soils, if required, should have an Expansion Index of less than 30.

Site Coefficient/Subgrade Modulus

The Subgrade Modulus may be taken as 100 psi per inch. In compliance with the 1998 California Building Code the site is Type S_C and the Seismic Coefficients and Spectrum presented in Appendix D may be used.

RECOMMENDATIONS

Our recommendations are considered minimum and may be superseded by more conservative requirements of the architect, structural engineer, building code, or governing agencies. The foundation recommendations are based on the expansion index and shear strength of the onsite soils. Import soils, if necessary should not exceed the existing expansion potential and should be approved by the Geotechnical Engineer prior to importing to the site. In addition to the recommendations in this section, additional general earthwork and grading specifications are included in Appendix E.

Site Grading Recommendations

General Compaction Standard: All fills should be compacted to at least 90 percent of maximum dry density as determined by ASTM Test Method D1557-91. Fill materials should be placed in loose lifts, not thicker than 8 inches. Material should be moisture-conditioned as processed as necessary to achieve a uniform moisture content that is over optimum and within moisture limits required to achieve adequate bonding between lifts and compaction.

Site Overexcavation

Building plans and foundation elevations are not available at this time. The proposed foundations should all be founded directly on a minimum of 1 foot of compacted fill or alternatively deepened such that all foundations rest directly on the native cobbly sand. The slab on grade should be founded on 1 foot of fill recompacted to 90 percent of ASTM D1557-91. Excavated materials are suitable for fill placement provided organic materials are removed. This overexcavation should extend to 3 feet beyond the building limits.

Paving and hardscape areas should be overexcavated to a depth of 1 foot; moisture conditioned as necessary, and compacted to 90 percent of ASTM D1557-91. Processing should extend to 1 foot outside the structural limits.

Utility Trench Backfill

Backfill and compaction of retaining wall and utility trenches should be that no significant settlement will occur. All backfill should be compacted to at least 90 percent relative compaction. Soil engineering testing and observation should be performed to confirm that this degree of compaction is being obtained. If native material is used for backfill, it should be placed at a moisture content at or somewhat over optimum moisture content and compacted mechanically using thin lifts. Jetting or flooding is not recommended for the native soil due to its silt and clay content. In no case should jetting be permitted within, or immediately adjacent to buildings or slope areas without the specific approval of the Soil Engineer. As one alternative to compacting backfill beneath slab-on-grade, the Project

Architect or Structural Engineer may design the slab to span over utility trenches.

Foundations

The following foundation recommendations are based on the assumption that the prevailing soil within 1 foot of finish grade for the proposed structures will consist of compacted fill or soil with an EI less than or equal to 30.

- Continuous strip footing should be at least 12 inches wide and should extend at least 12 inches below lowest adjacent pad grade for support of single story structures. Foundations may be designed for an allowable soil bearing pressure of 2500 pounds per square foot (psf) (dead plus live load) for the dimensions discussed above.

- Isolated spread footings that are a minimum of 2 feet square and founded 18 inches below lowest adjacent pad grade in formational material or properly compacted fill soils, may be designed for an allowable soil bearing pressure of 2600 psf.

- The allowable bearing pressures recommended for continuous strip footings and isolated spread footings may be increased by up to one-third for transient loads due to wind or seismic forces.

- No special subgrade presaturation is deemed necessary prior to placing concrete; however, the exposed foundation and slab subgrade soils should be sprinkled to maintain a moist condition as would be expected in any such concrete placement.

Concrete Slabs-on-Grade

- Concrete slabs-on-grade should be at least 4 inches thick. Minimum slab reinforcement should consist of No. 3 steel reinforcing bars placed 18 inches on center in both horizontal directions and positioned within the upper one-third of the slab. The concrete slabs-on-grade should be underlain by at least 4 inches of clean sand and, where moisture sensitive floor coverings are planned, a visqueen moisture barrier placed at the midpoint of the sand cushion should be provided.

- Crack control joints should be spaced at intervals not greater than 15 feet. Crack control joints should be constructed using sawcuts or other methods as soon as practically possible following placement. Crack control joints should extend a minimum depth of one-fourth the slab thickness. Construction joints should be designed by the project structural engineer.

- Exterior slabs should be at least 4 inches thick and reinforced with 6 x 6-W2.9 x W2.9 (6 x 6-6/6) welded wire mesh. The mesh should be placed within the upper one-third of the slab. Proper mesh positioning is critical to future performance of the slab. Past experience recommends that the wire mesh be physically pulled into place after the concrete placement. Extra measures should be taken by the contractor to ensure proper mesh placement. Prior to construction of exterior slabs, the subgrade should be moisture conditioned to at least optimum moisture content and compacted to at least 90 percent of the laboratory maximum dry density.

Recommended Pavement Sections

Based on the minimum subgrade R-Value Equal to 7 the following sections are recommended.

Roadway or Areas	Estimated Traffic Index (TI)	Asphalt Concrete (in)	Class II Aggregate Base (in)	Concrete Thickness (in)
Parking Areas	4.5	3.0	7.0	
Driveways	5.5	3.0	12.0	
Fire Lanes	8.5	5.0	17.0	6.0

Due to the relatively shallow depth (18 inches) of the native conglomerate the surficial soils should be removed and the base placed directly on the native conglomerate. These sections are provided for areas where the native conglomerate is deeper than 18 inches.

- The upper 12 inches of the pavement subgrade should be properly moisture conditioned and compacted to a minimum of 90 percent of the laboratory maximum dry density (ASTM D-

1557). The subgrade should not contain material greater than 3 inches in greatest dimension where concrete pavement is planned.

- Base material should be properly moisture conditioned and compacted to a minimum relative compaction (ASTM D-1557) of 95 percent.

- Where trash bin enclosures and bus turnouts are planned, the concrete pavement section specified above should be reinforced with No. 4 bars spaced at 18 inches in each direction. The concrete apron should extend sufficiently into the roadway so that all of the wheels of the trash truck are on the concrete when loading. Typically, the trash bin is rolled to a position directly in front of the enclosure before it is loaded, therefore the wheels are positioned a significant distance from the enclosure. Design of trash enclosure concrete aprons should take this loading procedure into account.

Corrosive Potential

Corrosivity testing was performed on representative samples of the onsite materials in accordance with California Test Method 417, 422, and 643. Results show that near surface onsite soils in the subject area are mildly corrosive to steel and noncorrosive for concrete. Based on testing and our experience, concrete in contact with onsite soils may utilize Type II Cement.

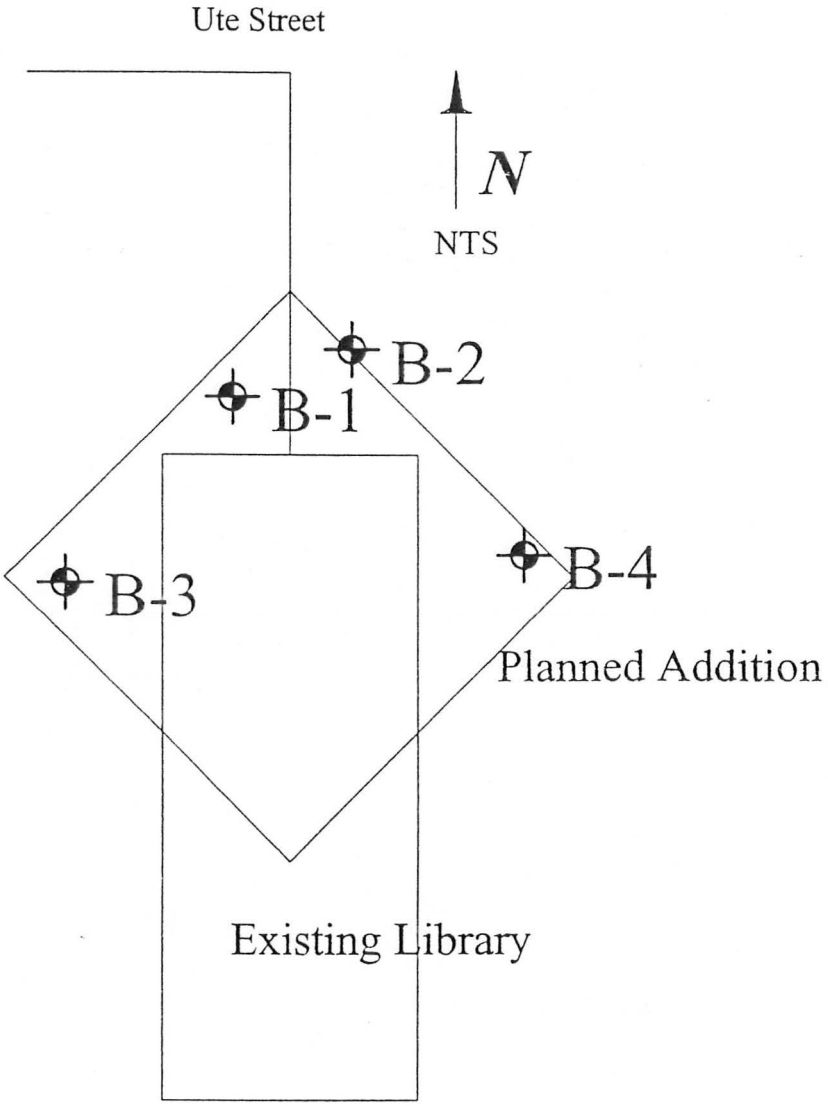
Geotechnical Observation/Testing of Earthwork Operations

The recommendations provided in this report are based on preliminary design information and subsurface conditions as interpreted from the investigation. Our preliminary conclusion and recommendations should be reviewed and verified during site grading, and revised accordingly if exposed Geotechnical conditions vary from our preliminary findings and interpretations. The Geotechnical consultant should perform Geotechnical observation and testing during the following phases of grading and construction:

- During site grading and overexcavation.
- During foundation excavation and placement.
- Upon completion of any foundation and retaining wall footing excavation prior to placing concrete.

- During excavation and backfilling of all utility trenches
- During processing and compaction of the subgrade for the access and parking areas and prior to construction of pavement sections.
- When any unusual or unexpected Geotechnical conditions are encountered during any phase of construction.

MTGL, Inc.



MARSTEN SCHOOL

Project No. 1646A09 BORING LOCATION PLAN Figure 2

APPENDIX A

REFERENCES

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6. Walsh, Steven L., 1996, "Middle Eocene Mammal Faunas of San Diego County, California," The Terrestrial Eocene-Oligocene Transition In North America, Cambridge University Press, 1996, pp. 75 – 119

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8. Hart, E.W., and Bryant, W.A., Fault-Rupture Hazard Zones in California: CDMG Special Publication 42, 38p.

9. California Division of Mines and Geology (CDMG), 1996, Probabilistic Seismic Hazard Assessment of the State of California, Open-file report 96-08.

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APPENDIX B

FIELD EXPLORATION PROGRAM

The subsurface conditions were explored by excavating 4 borings with an 8-inch hollow stem auger, to a maximum depth of 21 feet below existing grade. The approximate location of the boring is shown on the Boring Location Plan, Figure 2, attached. The field exploration was performed under the supervision of our Geologist who maintained a continuous log of the subsurface soils encountered and obtained samples for laboratory testing.

Subsurface conditions are summarized on the Logs of Borings. The soils encountered were classified in general accordance with the Unified Soil Classification System (see Key to Logs, Figure B0).

The borings were located in the field by pacing and measuring, working from appropriate locations on a map.

The soils were classified based on field observations and laboratory tests.

The borings were backfilled with cuttings, compacted, and patched where appropriate.

DEFINITION OF TERMS

PRIMARY DIVISIONS			SYMBOLS		SECONDARY DIVISIONS
COARSE GRAINED SOILS — MORE THAN HALF OF MATERIAL IS LARGER THAN NO. 200 SIEVE SIZE	GRAVELS — MORE THAN HALF OF COARSE FRACTION IS LARGER THAN NO. 4 SIEVE	CLEAN GRAVELS (LESS THAN 5% FINES)		GW	Well graded gravels, gravel–sand mixtures, little or no fines.
				GP	Poorly graded gravels or gravel–sand mixtures, little or no fines.
		GRAVEL WITH FINES		GM	Silty gravels, gravel–sand–silt mixtures, non-plastic fines.
				GC	Clayey gravels, gravel–sand–clay mixtures, plastic fines.
	SANDS — MORE THAN HALF OF COARSE FRACTION IS SMALLER THAN NO. 4 SIEVE	CLEAN SANDS (LESS THAN 5% FINES)		SW	Well graded sands, gravelly sands, little or no fines.
				SP	Poorly graded sands or gravelly sands, little or no fines.
		SANDS WITH FINES		SM	Silty sands, sand–silt mixtures, non-plastic fines.
				SC	Clayey sands, sand–clay mixtures, plastic fines.
FINE GRAINED SOILS — MORE THAN HALF OF MATERIAL IS SMALLER THAN NO. 200 SIEVE SIZE	SILTS AND CLAYS — LIQUID LIMIT IS LESS THAN 50%			ML	Inorganic silts and very fine sands, rock flour, silty or clayey fine sands or clayey silts with slight plasticity.
				CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, lean clays.
				OL	Organic silts and organic silty clays of low plasticity.
	SILTS AND CLAYS — LIQUID LIMIT IS GREATER THAN 50%			MH	Inorganic silts, micaceous or diatomaceous fine sandy or silty soils, elastic silts.
				CH	Inorganic clays of high plasticity, fat clays.
				OH	Organic clays of medium to high plasticity, organic silts.
HIGHLY ORGANIC SOILS				Pt	Peat and other highly organic soils.

GRAIN SIZES

SILTS AND CLAYS	SAND			GRAVEL		COBBLES	BOULDERS
	FINE	MEDIUM	COARSE	FINE	COARSE		

200 40 10 4 3/4" 3" 12"

U.S. STANDARD SERIES SIEVE — CLEAR SQUARE SIEVE OPENINGS



GROUND WATER LEVEL OR GROUND WATER SEEPAGE.



LOCATION OF SAMPLE TAKEN USING A STANDARD SPLIT TUBE SAMPLER, 2-INCH O.D., 1-3/8-INCH I.D. DRIVEN WITH A 140 POUND HAMMER FALLING 30-INCHES.



LOCATION OF SAMPLE TAKEN USING A MODIFIED CALIFORNIA SAMPLER, 3-1/8-INCH O.D., WITH 2-1/2-INCH I.D. LINER RINGS, DRIVEN USING THE WEIGHT OF KELLY BAR (LARGE DIAMETER BORINGS) OR USING A 140 POUND HAMMER FALLING 30-INCHES (SMALL DIAMETER BORING).



LOCATION OF SAMPLE TAKEN USING A 3-INCH O.D. THIN-WALLED TUBE SAMPLER (SHELBY TUBE) HYDRAULICALLY PUSHED.



LOCATION OF BULK SAMPLE TAKEN FROM AUGER CUTTINGS.

KEY TO LOGS - UNIFIED SOIL CLASSIFICATION SYSTEM (ASTM D-2487)

Project No 1646-A09	DATE: January 2002	FIGURE: B-0

DATE OBSERVED: 1/2/02 METHOD OF DRILLING: 8" Hollow Stem Auger

LOGGED BY: GJ GROUND ELEVATION: NA LOCATION: SEE BORING LOCATION PLAN

DEPTH (FEET)	SAMPLE NUMBE	BLOWS/FOOT	DRIVE SAMPLE	BULK SAMPLE	MOISTURE CONTENT (%)	IN PLACE DRY DENSITY (PCF)	BORING NO. B-1 DESCRIPTION	SOIL TEST
0							0-2 inches: Grass 2"-1.5 ft Fill Brown Clay, Moist, Firm	Max Density Direct Shear
3	D-1	50 5"			11.2		Red Brown Clayey SILT, Moist, Very Hard Weathered	Consolidation
5	D-2	50 4"			10.6	106.9	Red Silty Sandstone, Moist, Very Dense Very Weathered, No Reaction (RX) to HCl	
							Total Depth 5 feet No Groundwater Hole backfilled and compacted	
10								
15								
20								
25								
30								
35								
40								

Project No. 1646-A09 **LOG OF BORING** Figure B-1

DATE OBSERVED: 1/2/02 METHOD OF DRILLING: 8" Hollow Stem Auger

LOGGED BY: GJ GROUND ELEVATION: NA LOCATION: SEE BORING LOCATION PLAN

DEPTH (FEET)	SAMPLE NUMBE	BLOWS/FOOT	DRIVE SAMPLE	BULK SAMPLE	MOISTURE CONTENT (%)	IN PLACE DRY DENSITY (PCF)	BORING NO. B-2 DESCRIPTION	SOIL TEST
0							0-3 inches: Asphaltic Concrete	
	B-1			X			FILL	Expansion
							Dark Brown Clayey SILT, Moist, with	Index
3							Scattered Gravel	Corrosivity
							BEDROCK	
5	S-1	40 6"			7.9		Yellow BrownSilty Sandstone, dry, Weathered Silica Cemented, No RX to HCl	Grain Size Atterberg Limits
10	S-2	65			13.2		Red Brown Silty Sandstone, Very Weathered Very Dense, No RX to HCl	Grain Size Atterberg Limits
							Gravelly Sandstone, Subrounded to Rounded, Gravel to 2 inches	
15	S-3	54			10.2		Gray Brown Clayey Siltstone, moist, very hard Weathered, No RX to HCl @ 17 ft drill advance very slow	Grain Size Atterberg Limits
20	S-4	85 11"			14.1		Gray Brown Slightly Moist, Very Hard Claystone, No advance possible	
							Total Depth 21 feet No Groundwater Hole backfilled and tamped	
25								
30								
35								
40								
45								

Project No. 1646-A09 | LOG OF BORING | Figure B-2

MTGt

DATE OBSERVED: 1/2/02 METHOD OF DRILLING: 8" Hollow Stem Auger

LOGGED BY: GJ GROUND ELEVATION: NA LOCATION: SEE BORING LOCATION PLAN

DEPTH (FEET)	SAMPLE NUMBE	BLOWS/FOOT	DRIVE SAMPLE	BULK SAMPLE	MOISTURE CONTENT (%)	IN PLACE DRY DENSITY (PCF)	BORING NO. B-3 DESCRIPTION	SOIL TEST
0				X			0-2" grass 2" to 3 feet, FILL Brown Sand CLAY, Moist, Stiff	Expansion Index Corrosivity
3							@ 3 ft, BEDROCK Red Brown Silty Sandstone, Moist,	
5							Total Depth 3 feet No Groundwater Hole backfilled and Tamped	
10								
15								
20								
25								
30								
35								
40								

Project No. 1646-A09 | LOG OF BORING | Figure B-3

MTGL

DATE OBSERVED: 1/2/02 METHOD OF DRILLING: 8" Hollow Stem Auger

LOGGED BY: GJ GROUND ELEVATION: NA LOCATION: SEE BORING LOCATION PLAN

DEPTH (FEET)	SAMPLE NUMBE	BLOWS/FOOT	DRIVE SAMPLE	BULK SAMPLE	MOISTURE CONTENT (%)	IN PLACE DRY DENSITY (PCF)	BORING NO. B-4 DESCRIPTION	SOIL TEST
0	B-1			X	18.5		@0-2 feet Dark Brown Sand CLAY, Moist Firm, No RX to HCl	R-Value
3								
5	D-1	29	/		18.0	109.3	Red Brown Sandy Siltstone, Hard, Moist to Saturated, No RX to HCl	Direct Shear Consolidation
10	D-2	46 6"	/		10.8		Red Brown Clayey Sandstone, Moist Very Dense, sample Disturbed @ 13 feet Gravel and Cobbles, Cannot Advance	
15							Total Depth 13 feet No Groundwater Hole backfilled and compacted	
20								
25								
30								
35								
40								

Project No. 1646-A09 **LOG OF BORING** Figure B-4

APPENDIX C

LABORATORY TESTING PROCEDURES

1. Classification

Soils were classified visually, generally according to the Unified Soil Classification System. Classification tests were also completed on representative samples in accordance with ASTM D422 for Grain Size and ASTM D4318 for Liquid Limit and Plasticity Index. The test result is shown on Figure C-2.

2. Maximum Density

A maximum density test was performed on a representative bag sample of the near surface soils in accordance with ASTM D1557. The test result is shown on Figure C-1.

3. Direct Shear

Direct Shear Tests were performed on in-place and remolded samples of site soils in accordance with ASTM D3080. Test results are presented on Figure C-3 and C-4.

4. Consolidation

Consolidation tests were performed on representative, relatively undisturbed samples of the underlying soils to determine compressibility characteristics in accordance with ASTM D2435. Test results are presented on Figure C-5 and C-6.

5. 'R' Value Testing

An 'R' Value test was completed in substantial compliance with Caltrans Test Method 301. Test results are present on Figure C-7.

6. Expansion Index and Corrosivity Testing

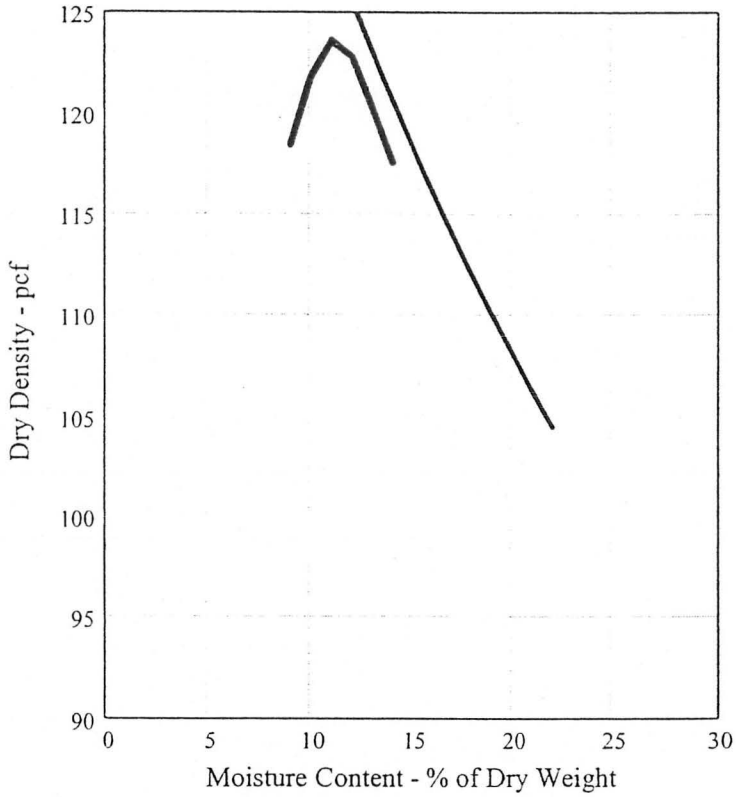
Expansion Index testing was completed in accordance with UBC 18-2. Test results are presented below.

Sample Location	Expansion Index	Expansive Potential
B-2 @ 3 feet	15	Very Low
B-3 @ 2 feet	12	Very Low

Corrosivity Testing

Corrosivity testing was completed in compliance with Caltrans Test Method 417 for soluble sulfate and 422 for pH, soluble chloride, and resistivity. Test results are presented below

Sample Location	pH	Soluble Sulfates (ppm)	Soluble Chlorides (ppm)	Min. Resistivity (ohm-cm)
B-2 @ 3 feet	7.3	40	74	905
B-3 @ 2 feet	7.2	33	104	1,212

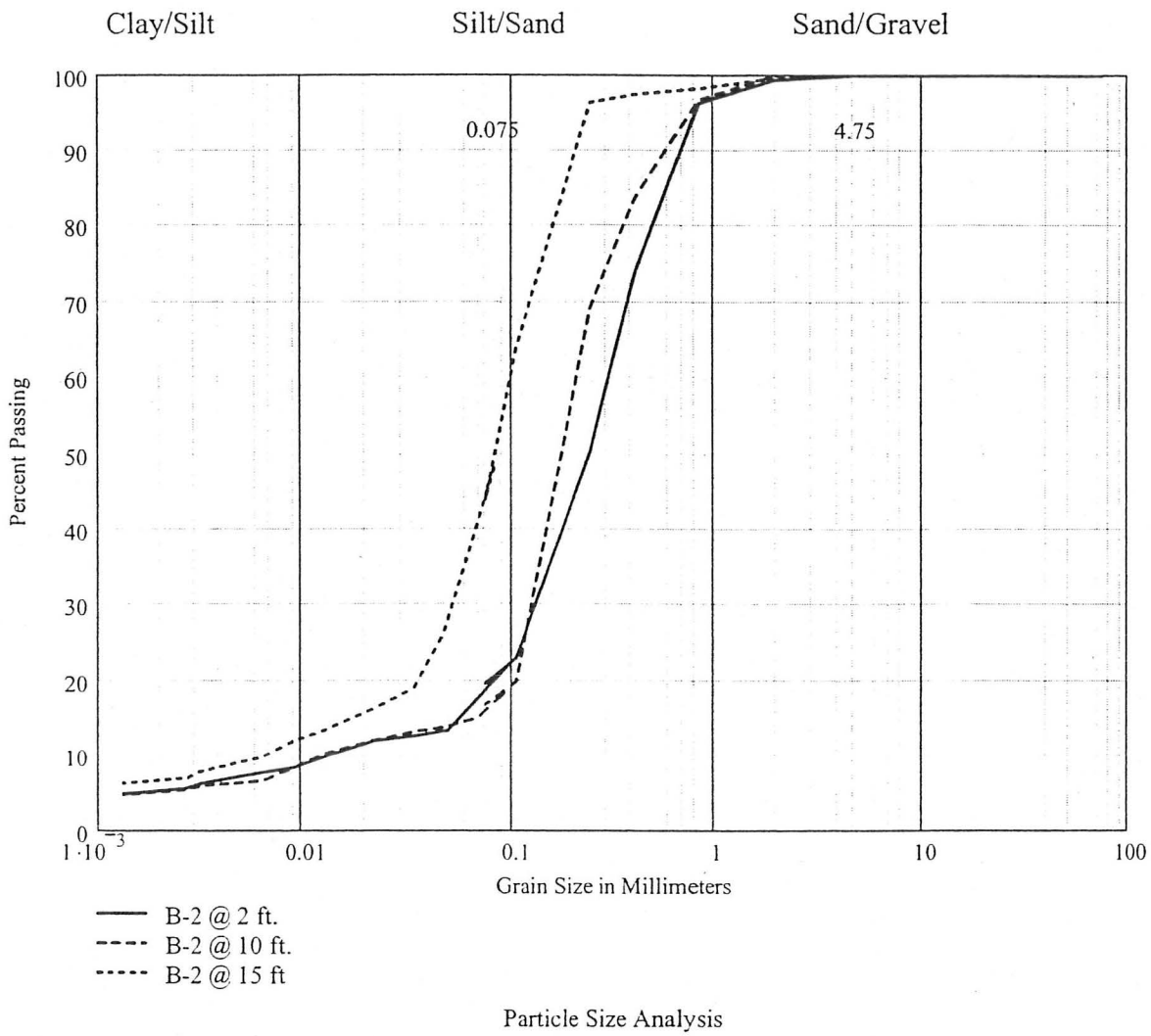


Maximum Density Test Results

Boring 1 @ 0-3 Feet
Brown SiltySAND, Test Method ASTM D1557A, 2 % Retained on #4
Maximum Density = 123.5 pcf, Optimum Moisture = 11.5 %

MTGL, Inc.

Figure C-1

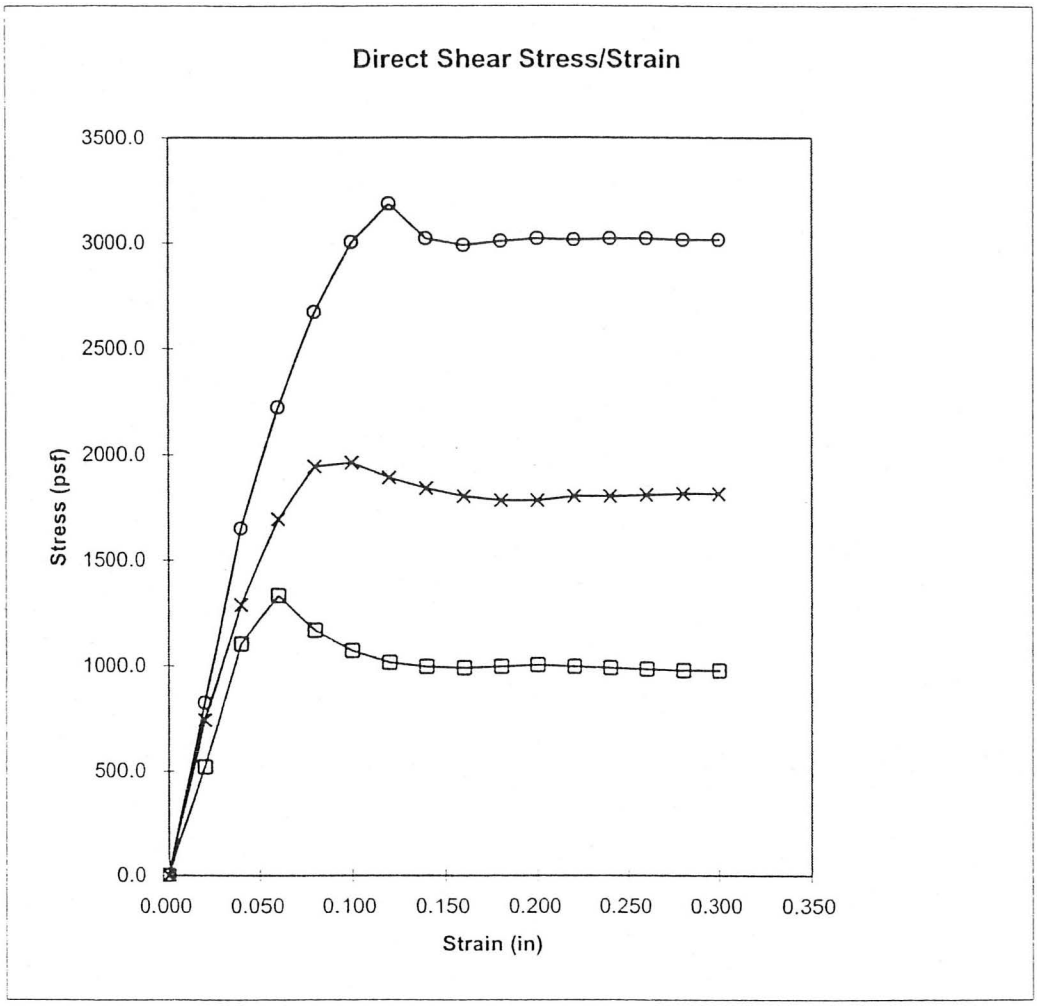


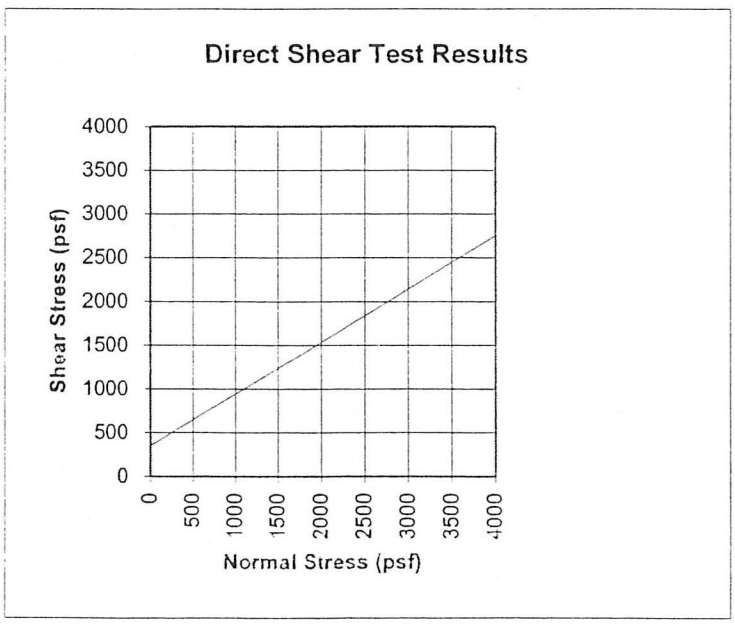
Particle Size Analysis

Sample from 5' is 80% Sand, 15% Silt, and 5% Clay, Liquid Limit: 23 Plastic Index 3
Sample from 10' is 83% Sand, 12% Silt, and 5% Clay, Liquid Limit 25 Plastic Index 3
Sample from 15' is 56% Sand, 37% Silt, and 7% Clay, Liquid Limit 32 Plastic Index 4

MTGL, Inc.

Figure C-2





B-1 @ 0-3 ft
Remolded/Saturated

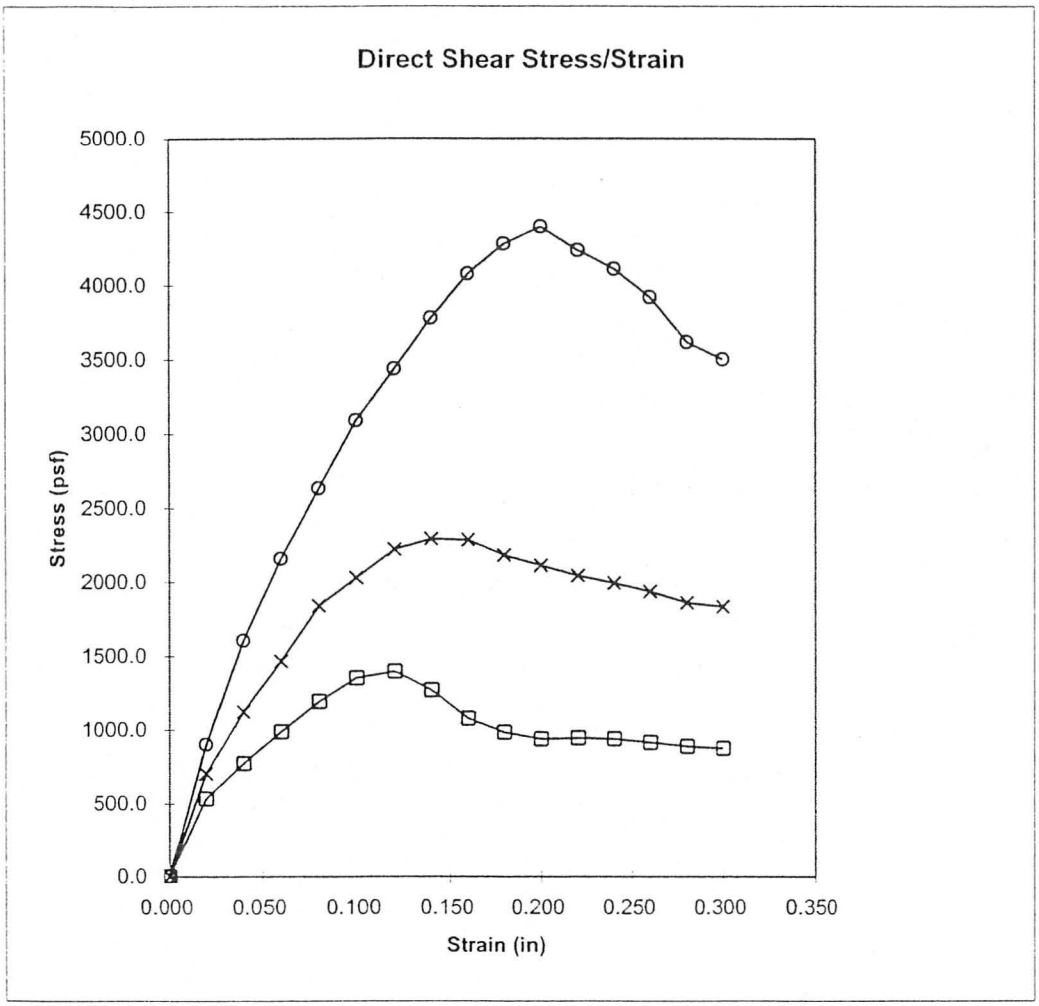
ϕ = 33.5 °
c = 700 psf

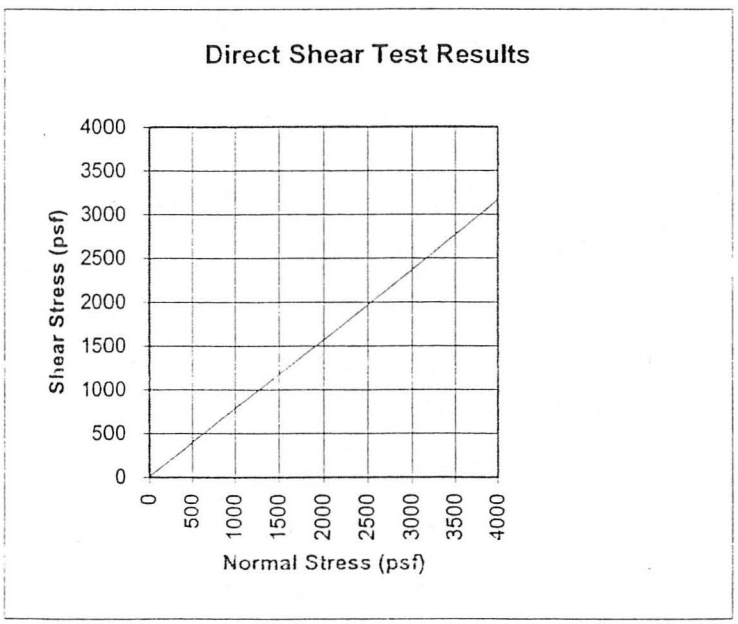
Long Term

ϕ = 36.5 °
c = 350 psf

MTG$_L$, Inc.

Figure C-3





B-4 @ 5 ft
Undisturbed/Saturated

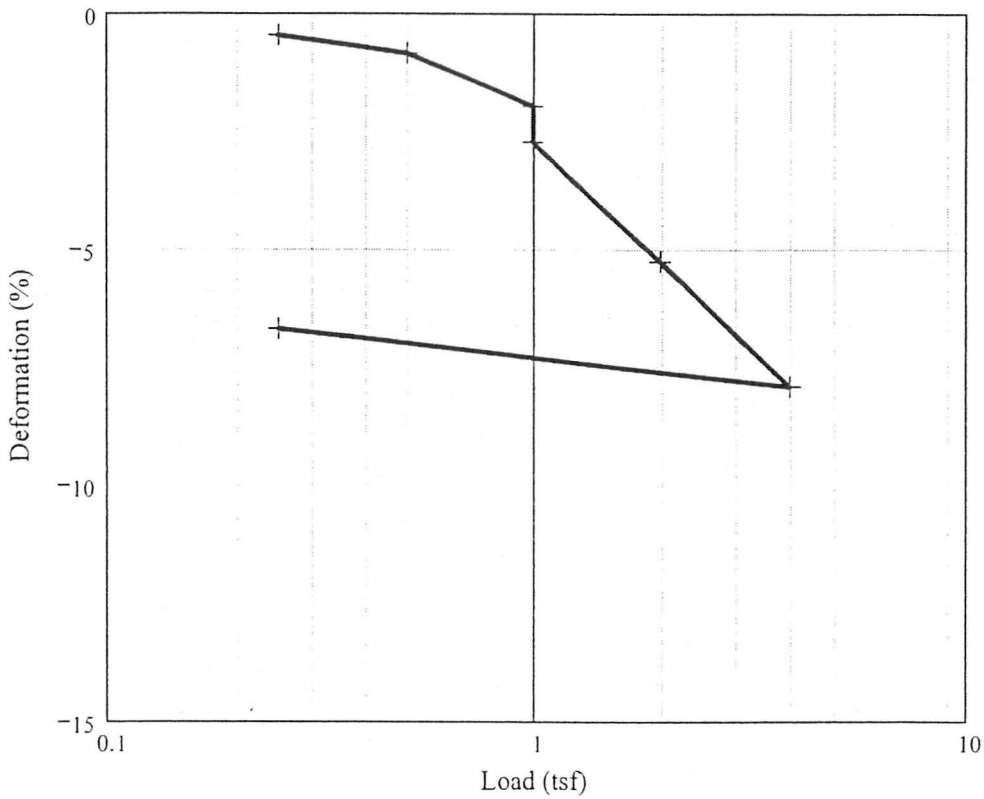
ϕ = 55 °
c = 300 psf

Long Term

ϕ = 47.5 °
c = 0 psf

MTG$_L$, Inc.

Figure C-4



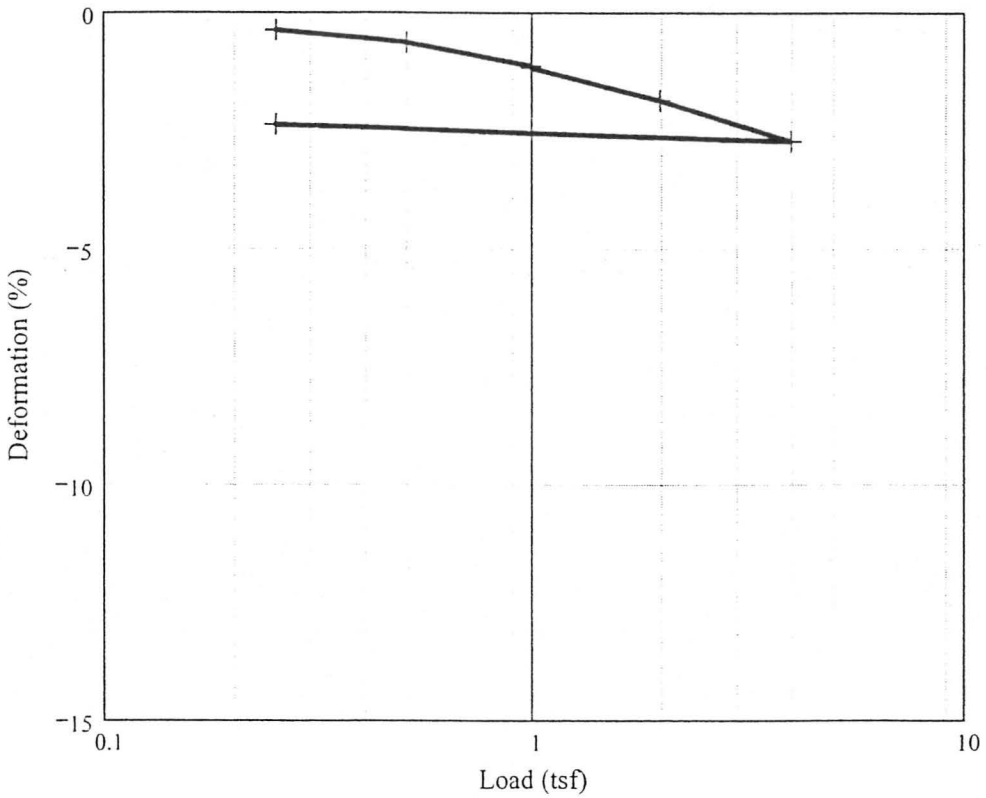
Consolidation Test Results

Water Added at 1 tsf, collapse approximately 1 percent

Boring B-1, @ 3 ft

MTGL, Inc.

Figure C-5

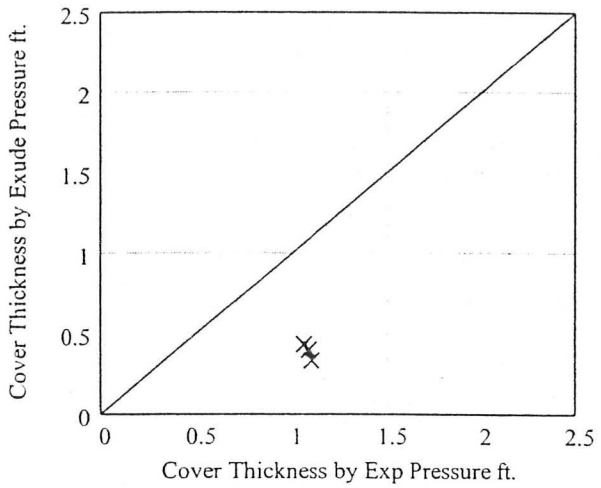


Consolidation Test Results

Water Added at 1 tsf, No Collapse B-4 @ 5'

MTGL, Inc.

Figure C-6



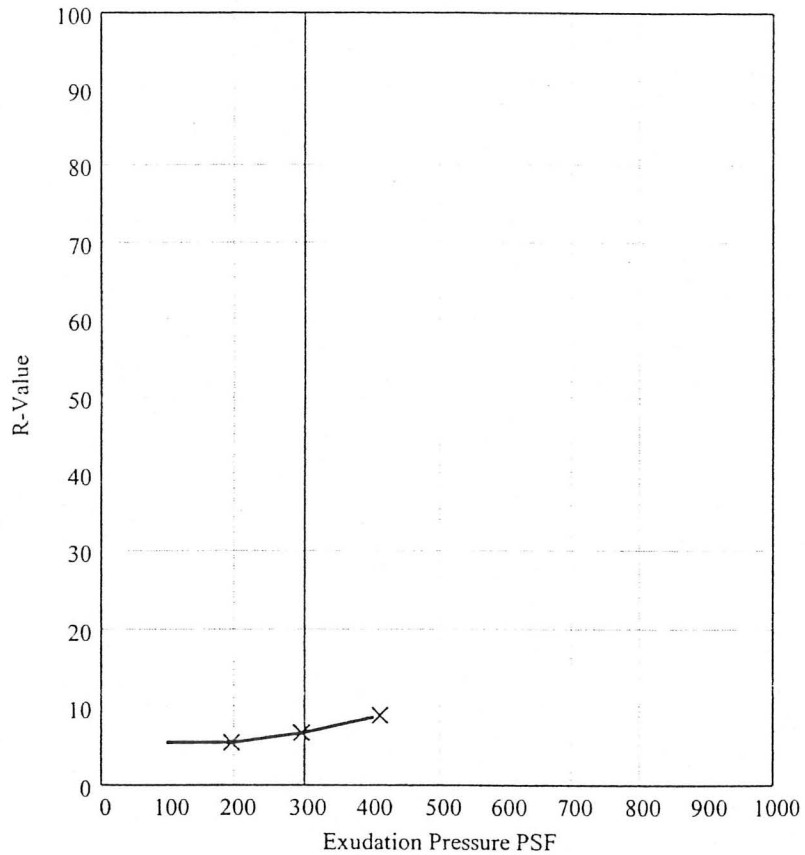
Expansion Pressure Chart

For TI=4

RbyExpansion = 32

RbyExudation = 7

R-Value = 7



Exudation Pressure Chart

MTGL, INC.

Project No. 1646-A09

CLIENT HMC

PROJECT Marston School

PROJECT No 1646-A09

CALCULATION BY TCH **DATE 01/16/02**

OBJECT Estimated Time to Corrosion of Reinforced Concrete Substructures, CTM 532 and Estimated Time to Perforation of 18 gauge steel (CSP), CTM 634

Test Data:

pH := 7.3 Resistivity := 905 ohm-cm Cl := 74 ppm SO4 := 40 ppm

For Reinforced Concrete

Cement = C := 5 Water = W := 33 Cover = S := 3

$$Years := \frac{1.107^{C} \cdot C^{0.717} \cdot S^{1.22}}{Cl^{0.42} \cdot W^{1.17}} \cdot 1011$$

Years = 56

Conclusion : With a minimum of 5 sack concrete and a minimum cover of 3 inches the Concrete should resist corrosion

For Steel Pipe

$$Years := \begin{cases} 13.79 \log(Resistivity) & \text{if } pH \geq 7.37 \\ 13.79 \cdot \log(Resistivity) - \log(2160 - 2490 \cdot \log(pH)) & \text{otherwise} \end{cases}$$

Years = 40 Conclusion : The onsite soils are mildly corrosive to steel.

Test Data:

pH := 7.2 Resistivity := 1212 ohm-cm Cl := 104 ppm SO4 := 30 ppm

For Reinforced Concrete

Cement = C := 5 Water = W := 33 Cover = S := 3

$$Years := \frac{1.107^{C} \cdot C^{0.717} \cdot S^{1.22}}{Cl^{0.42} \cdot W^{1.17}} \cdot 1011$$

Years = 48

Conclusion : With a minimum of 5 sack concrete and a minimum cover of 3 inches the Concrete should resist corrosion

For Steel Pipe

$$Years := \begin{cases} 13.79 \log(Resistivity) & \text{if } pH \geq 7.37 \\ 13.79 \cdot \log(Resistivity) - \log(2160 - 2490 \cdot \log(pH)) & \text{otherwise} \end{cases}$$

Years = 41 Conclusion : The onsite soils are mildly corrosive to steel.

APPENDIX D

SEISMICITY

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**********************
*                    *
*    U B C S E I S   *
*                    *
*    Version  1.03   *
*                    *
**********************
```

COMPUTATION OF 1997
UNIFORM BUILDING CODE
SEISMIC DESIGN PARAMETERS

JOB NUMBER: 1646-A09 DATE: 01-16-2002

JOB NAME: Marston School

FAULT-DATA-FILE NAME: CDMGUBCR.DAT

SITE COORDINATES:
SITE LATITUDE: 32.8091
SITE LONGITUDE: 117.2001

UBC SEISMIC ZONE: 0.4

UBC SOIL PROFILE TYPE: SC

NEAREST TYPE A FAULT:
NAME: ELSINORE-JULIAN
DISTANCE: 61.0 km

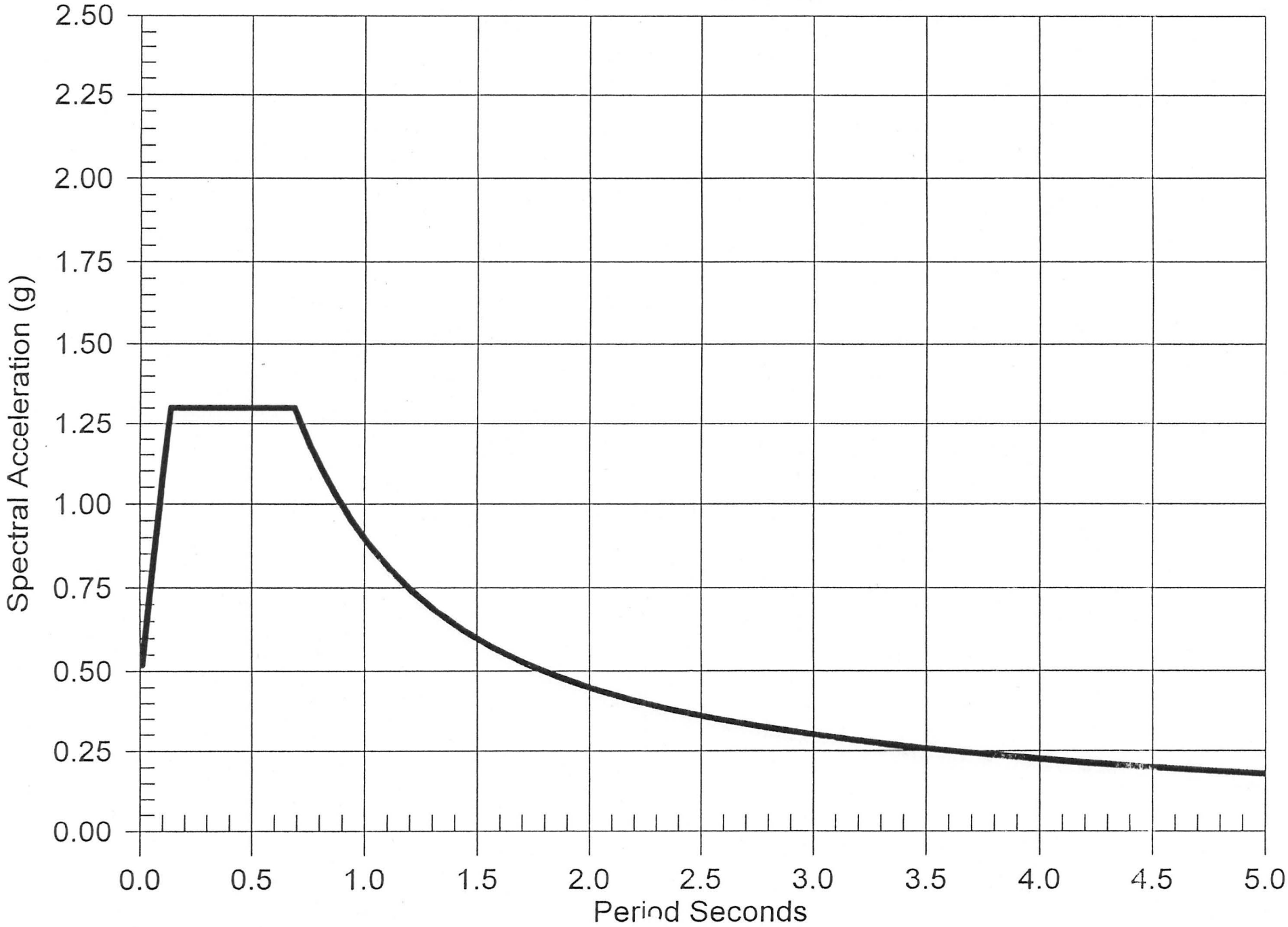
NEAREST TYPE B FAULT:
NAME: ROSE CANYON
DISTANCE: 1.0 km

NEAREST TYPE C FAULT:
NAME: □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
DISTANCE: 99999.0 km

SELECTED UBC SEISMIC COEFFICIENTS:
Na: 1.3
Nv: 1.6
Ca: 0.52
Cv: 0.90
Ts: 0.689
To: 0.138

DESIGN RESPONSE SPECTRUM

Seismic Zone: 0.4 Soil Profile: SC



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*        *
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*        *
*  Version 3.00  *
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DETERMINISTIC ESTIMATION OF
PEAK ACCELERATION FROM DIGITIZED FAULTS

JOB NUMBER: 1646-A09

DATE: 01-16-2002

JOB NAME: Marston School

CALCULATION NAME: Test Run Analysis

FAULT-DATA-FILE NAME: CDMGFLTE.DAT

SITE COORDINATES:
SITE LATITUDE: 32.8091
SITE LONGITUDE: 117.2001

SEARCH RADIUS: 100 mi

ATTENUATION RELATION: 15) Campbell & Bozorgnia (1997 Rev.) - Soft Rock
UNCERTAINTY (M=Median, S=Sigma): M Number of Sigmas: 0.0
DISTANCE MEASURE: cdist
SCOND: 1
Basement Depth: 5.00 km Campbell SSR: 1 Campbell SHR: 0
COMPUTE RHGA HORIZ. ACCEL. (FACTOR: 0.65 DISTANCE: 20 miles)

FAULT-DATA FILE USED: CDMGFLTE.DAT

MINIMUM DEPTH VALUE (km): 3.0

-END OF SEARCH- 35 FAULTS FOUND WITHIN THE SPECIFIED SEARCH RADIUS.

THE ROSE CANYON FAULT IS CLOSEST TO THE SITE.
IT IS ABOUT 2.0 MILES (3.2 km) AWAY.

LARGEST MAXIMUM-EARTHQUAKE SITE ACCELERATION: 0.4050 g

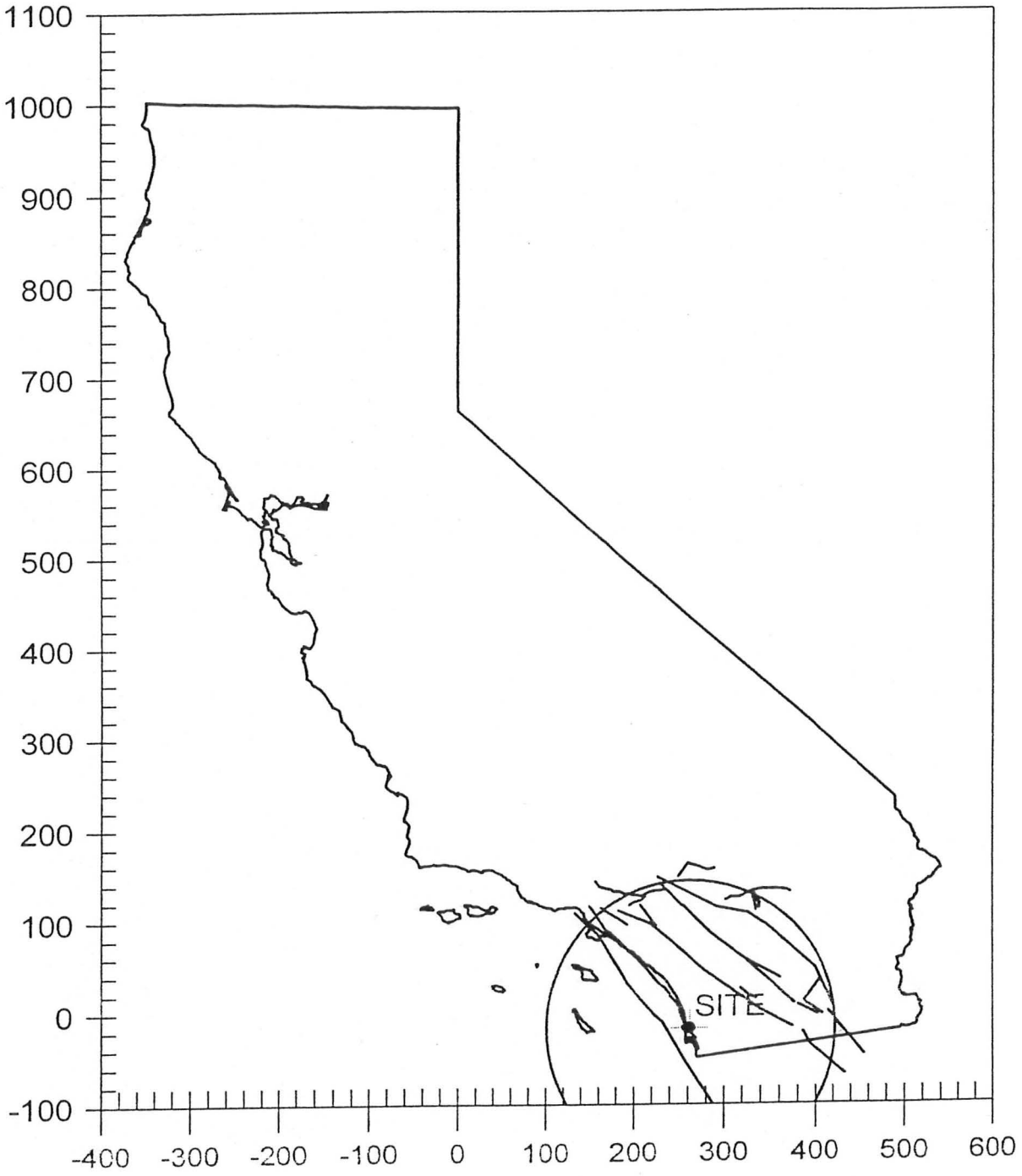
EQFAULT SUMMARY

DETERMINISTIC SITE PARAMETERS

ABBREVIATED FAULT NAME	APPROXIMATE DISTANCE mi (km)	ESTIMATED MAX. EARTHQUAKE EVENT: MAXIMUM EARTHQUAKE MAG. (Mw)	RHGA SITE ACCEL. g	EST. SITE INTENSITY MOD.MERC.
ROSE CANYON	2.0(3.2)	6.9	0.405	X
CORONADO BANK	14.2(22.8)	7.4	0.250	IX
NEWPORT-INGLEWOOD (Offshore)	27.5(44.2)	6.9	0.077	VII
ELSINORE-JULIAN	37.9(61.0)	7.1	0.058	VI
ELSINORE-TEMECULA	40.8(65.6)	6.8	0.040	V
EARTHQUAKE VALLEY	44.2(71.2)	6.5	0.027	V
ELSINORE-COYOTE MOUNTAIN	49.9(80.3)	6.8	0.030	V
PALOS VERDES	54.0(86.9)	7.1	0.035	V
ELSINORE-GLEN IVY	58.3(93.8)	6.8	0.024	IV
SAN JACINTO-ANZA	60.1(96.8)	7.2	0.032	V
SAN JACINTO-COYOTE CREEK	60.1(96.8)	6.8	0.023	IV
SAN JACINTO - BORREGO	64.4(103.6)	6.6	0.017	IV
SAN JACINTO-SAN JACINTO VALLEY	66.4(106.9)	6.9	0.021	IV
NEWPORT-INGLEWOOD (L.A.Basin)	69.3(111.6)	6.9	0.020	IV
CHINO-CENTRAL AVE. (Elsinore)	72.8(117.2)	6.7	0.015	IV
SUPERSTITION MTN. (San Jacinto)	75.3(121.2)	6.6	0.014	III
WHITTIER	76.6(123.2)	6.8	0.016	IV
LAGUNA SALADA	76.8(123.6)	7.0	0.019	IV
COMPTON THRUST	78.8(126.8)	6.8	0.014	IV
ELMORE RANCH	79.7(128.2)	6.6	0.012	III
SUPERSTITION HILLS (San Jacinto)	80.3(129.3)	6.6	0.012	III
ELYSIAN PARK THRUST	83.2(133.9)	6.7	0.012	III
SAN JACINTO-SAN BERNARDINO	83.5(134.4)	6.7	0.013	III
SAN ANDREAS - Southern	84.6(136.2)	7.4	0.023	IV
SAN ANDREAS - San Bernardino	84.6(136.2)	7.3	0.021	IV
SAN ANDREAS - Coachella	87.1(140.2)	7.1	0.017	IV
PINTO MOUNTAIN	90.7(145.9)	7.0	0.015	IV
BURNT MTN.	92.0(148.0)	6.4	0.008	III
SAN JOSE	93.9(151.1)	6.5	0.008	III
BRAWLEY SEISMIC ZONE	94.4(151.9)	6.4	0.008	III
EUREKA PEAK	94.5(152.1)	6.4	0.008	III
IMPERIAL	95.1(153.1)	7.0	0.014	III
SIERRA MADRE	97.6(157.0)	7.0	0.012	III
CUCAMONGA	97.8(157.4)	7.0	0.012	III
NORTH FRONTAL FAULT ZONE (West)	99.0(159.3)	7.0	0.012	III

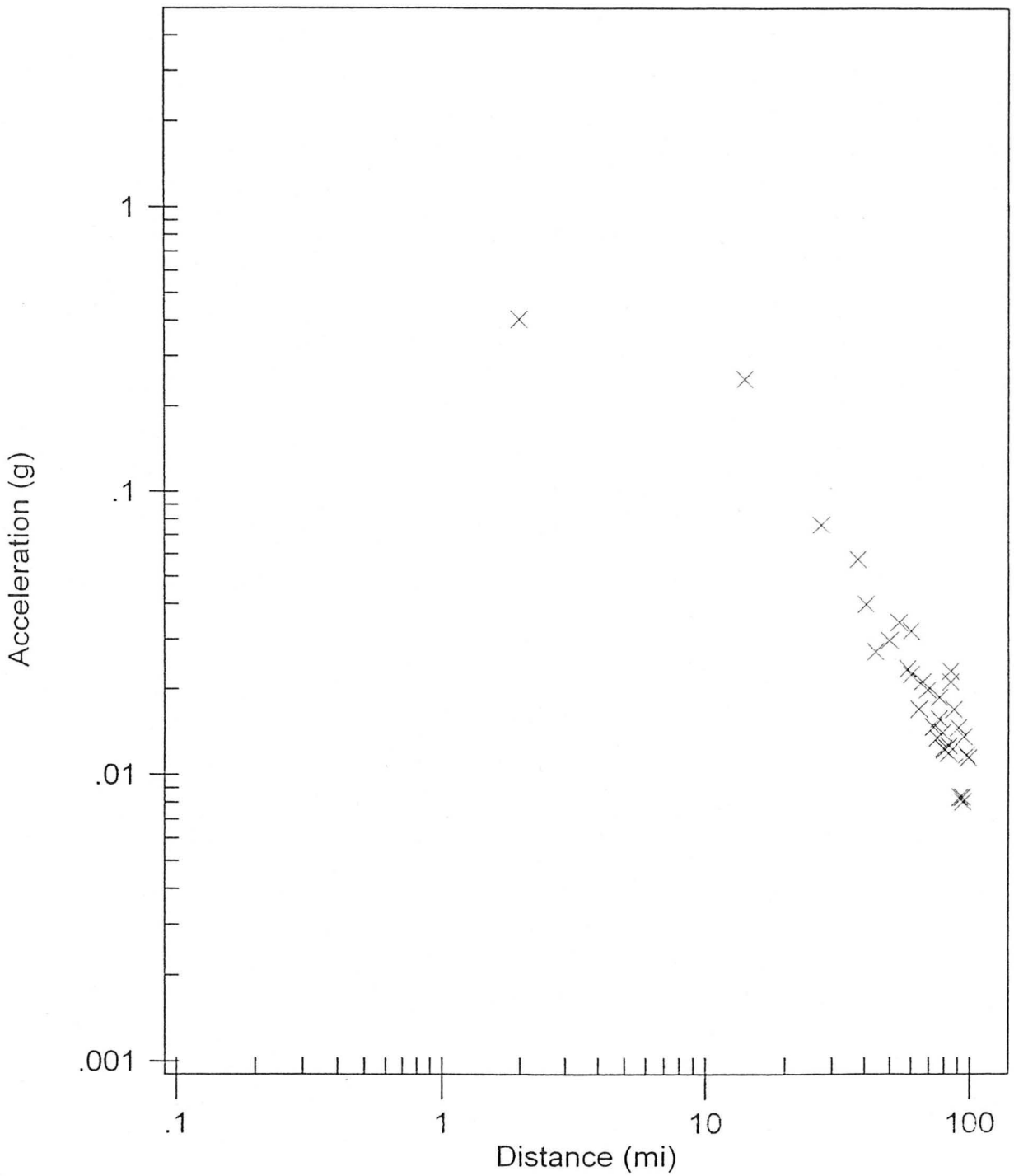
CALIFORNIA FAULT MAP

Marston School



MAXIMUM EARTHQUAKES

Marston School



APPENDIX E

GENERAL EARTHWORK AND GRADING SPECIFICATIONS

APPENDIX E

GENERAL EARTHWORK AND GRADING SPECIFICATIONS

1. GENERAL

These specifications present general procedures and requirements for grading and earthwork as shown on the approved grading plans, including preparation of areas to be filled, placement of fill, installation of subdrains, and excavations. The recommendations contained in the attached geotechnical report are a part of the earthwork and grading specifications and shall supersede the provisions contained herein in the case of conflict. Evaluations performed by the Consultant during the course of grading may result in new recommendations, which could supersede these specifications, or the recommendations of the geotechnical report.

2. EARTHWORK OBSERVATION AND TESTING

Prior to the start of grading, a qualified Geotechnical Consultant (Geotechnical Engineer and Engineering Geologist) shall be employed for the purpose of observing earthwork procedures and testing the fills for conformance with the recommendations of the geotechnical report and these specifications. It will be necessary that the Consultant provide adequate testing and observation so that he may determine that the work was accomplished as specified. It shall be the responsibility of the Contractor to assist the Consultant and keep them apprised of work schedules and changes so that he may schedule his personnel accordingly.

It shall be the sole responsibility of the Contractor to provide adequate equipment and methods to accomplish the work in accordance with applicable grading codes or agency ordinances, these specifications and the approved grading plans.

Maximum dry density tests used to determine the degree of compaction will be performed in accordance with the American Society for Testing and Materials Test Method (ASTM) D1557-91 or later revision.

3. PREPARATION OF AREAS TO BE FILLED

Clearing and Grubbing: All brush, vegetation and debris shall be removed or piled and otherwise disposed of.

Processing: The existing ground which is determined to be satisfactory for support of fill shall be scarified to a minimum depth of 6 inches. Existing ground, which is not satisfactory, shall be overexcavated as specified in the following section.

Overexcavation: Soft, dry, spongy, highly fractured or otherwise unsuitable ground, extending to such a depth that surface processing cannot adequately improve the condition, shall be overexcavated down to firm ground, approved by the Consultant.

Moisture conditioning: Overexcavated and processed soils shall be watered, dried-back, blended, and mixed as required to have a relatively uniform moisture content near the optimum moisture content as determined by ASTM D1557.

Recompaction: Overexcavated and processed soils, which have been mixed, and moisture conditioned uniformly shall be recompacted to a minimum relative compaction of 90 percent of ASTM D1557.

Benching: Where soils are placed on ground with slopes steeper than 5:1 (horizontal to vertical), the ground shall be stepped or benched. Benches shall be excavated in firm material for a minimum width of 4 feet.

4. FILL MATERIAL

General: Material to be placed as fill shall be free of organic matter and other deleterious substances, and shall be approved by the Consultant.

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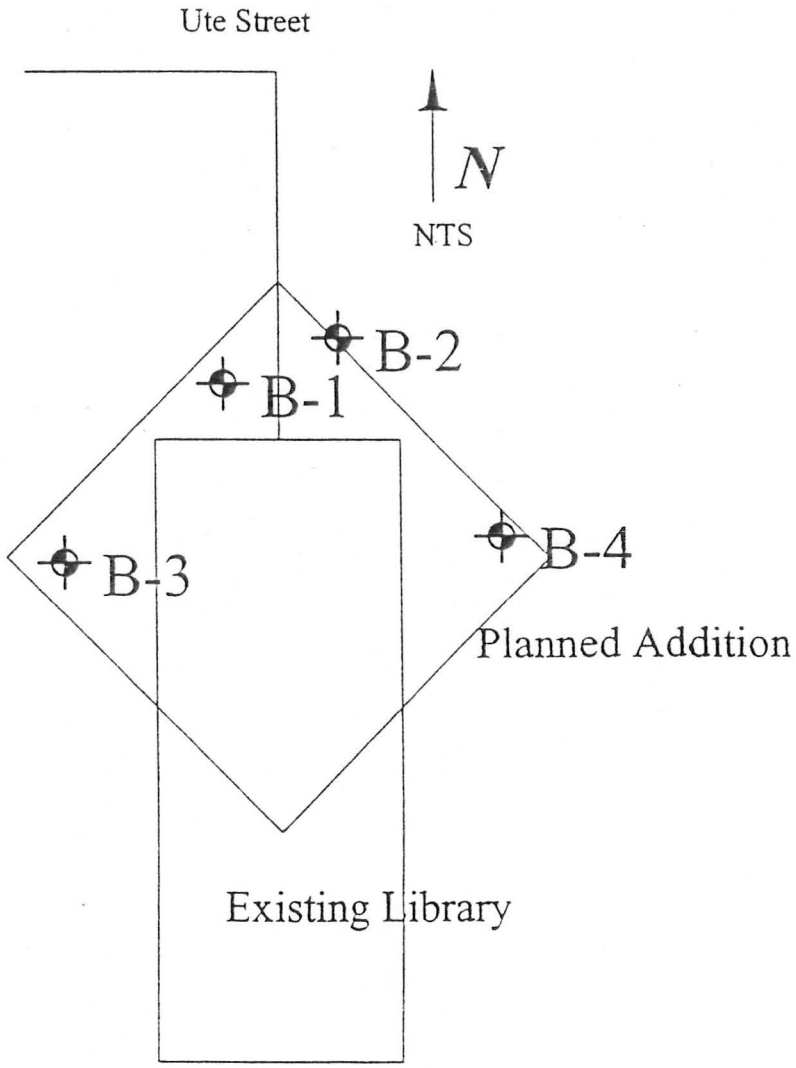
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MTGL, Inc.



Project No. 1646A09

MARSTEN SCHOOL
BORING LOCATION PLAN

Figure 2

APPENDIX B

FIELD EXPLORATION PROGRAM

The subsurface conditions were explored by excavating 4 borings with an 8-inch hollow stem auger, to a maximum depth of 21 feet below existing grade. The approximate location of the boring is shown on the Boring Location Plan, Figure 2, attached. The field exploration was performed under the supervision of our Geologist who maintained a continuous log of the subsurface soils encountered and obtained samples for laboratory testing.

Subsurface conditions are summarized on the Logs of Borings. The soils encountered were classified in general accordance with the Unified Soil Classification System (see Key to Logs, Figure B0).

The borings were located in the field by pacing and measuring, working from appropriate locations on a map.

The soils were classified based on field observations and laboratory tests.

The borings were backfilled with cuttings, compacted, and patched where appropriate.

DEFINITION OF TERMS

PRIMARY DIVISIONS			SYMBOLS		SECONDARY DIVISIONS
COARSE GRAINED SOILS MORE THAN HALF OF MATERIAL IS LARGER THAN NO. 200 SIEVE SIZE	GRAVELS MORE THAN HALF OF COARSE FRACTION IS LARGER THAN NO. 4 SIEVE	CLEAN GRAVELS (LESS THAN 5% FINES)		GW	Well graded gravels, gravel-sand mixtures, little or no fines.
				GP	Poorly graded gravels or gravel-sand mixtures, little or no fines.
		GRAVEL WITH FINES		GM	Silty gravels, gravel-sand-silt mixtures, non-plastic fines.
				GC	Clayey gravels, gravel-sand-clay mixtures, plastic fines.
	SANDS MORE THAN HALF OF COARSE FRACTION IS SMALLER THAN NO. 4 SIEVE	CLEAN SANDS (LESS THAN 5% FINES)		SW	Well graded sands, gravelly sands, little or no fines.
				SP	Poorly graded sands or gravelly sands, little or no fines.
		SANDS WITH FINES		SM	Silty sands, sand-silt mixtures, non-plastic fines.
				SC	Clayey sands, sand-clay mixtures, plastic fines.
FINE GRAINED SOILS MORE THAN HALF OF MATERIAL IS SMALLER THAN NO. 200 SIEVE SIZE	SILTS AND CLAYS LIQUID LIMIT IS LESS THAN 50%			ML	Inorganic silts and very fine sands, rock flour, silty or clayey fine sands or clayey silts with slight plasticity.
				CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, lean clays.
				OL	Organic silts and organic silty clays of low plasticity.
	SILTS AND CLAYS LIQUID LIMIT IS GREATER THAN 50%			MH	Inorganic silts, micaceous or diatomaceous fine sandy or silty soils, elastic silts.
				CH	Inorganic clays of high plasticity, fat clays.
				OH	Organic clays of medium to high plasticity, organic silts.
HIGHLY ORGANIC SOILS				Pt	Peat and other highly organic soils.

GRAIN SIZES

SILTS AND CLAYS	SAND			GRAVEL		COBBLES	BOULDERS
	FINE	MEDIUM	COARSE	FINE	COARSE		

200 40 10 4 3/4" 3" 12"

U.S. STANDARD SERIES SIEVE — CLEAR SQUARE SIEVE OPENINGS

GROUND WATER LEVEL OR GROUND WATER SEEPAGE.

LOCATION OF SAMPLE TAKEN USING A STANDARD SPLIT TUBE SAMPLER, 2-INCH O.D., 1-3/8-INCH I.D. DRIVEN WITH A 140 POUND HAMMER FALLING 30-INCHES.

LOCATION OF SAMPLE TAKEN USING A MODIFIED CALIFORNIA SAMPLER, 3-1/8-INCH O.D., WITH 2-1/2-INCH I.D. LINER RINGS, DRIVEN USING THE WEIGHT OF KELLY BAR (LARGE DIAMETER BORINGS) OR USING A 140 POUND HAMMER FALLING 30-INCHES (SMALL DIAMETER BORING).

LOCATION OF SAMPLE TAKEN USING A 3-INCH O.D. THIN-WALLED TUBE SAMPLER (SHELBY TUBE) HYDRAULICALLY PUSHED.

LOCATION OF BULK SAMPLE TAKEN FROM AUGER CUTTINGS.

KEY TO LOGS - UNIFIED SOIL CLASSIFICATION SYSTEM (ASTM D-2487)

Project No 1646-A09	DATE: January 2002	FIGURE: B-0

DATE OBSERVED: 1/2/02 METHOD OF DRILLING: 8" Hollow Stem Auger

LOGGED BY: GJ GROUND ELEVATION: NA LOCATION: SEE BORING LOCATION PLAN

BORING NO. B-2

DEPTH (FEET)	SAMPLE NUMBE	BLOWS/FOOT	DRIVE SAMPLE	BULK SAMPLE	MOISTURE CONTENT (%)	IN PLACE DRY DENSITY (PCF)	DESCRIPTION	SOIL TEST
0							0-3 inches: Asphaltic Concrete	
	B-1			X			FILL	Expansion
				X			Dark Brown Clayey SILT, Moist, with	Index
3				X			Scattered Gravel	Corrosivity
							BEDROCK	
5	S-1	40 6"			7.9		Yellow BrownSilty Sandstone, dry, Weathered Silica Cemented, No RX to HCl	Grain Size Atterberg Limits
10	S-2	65			13.2		Red Brown Silty Sandstone, Very Weathered Very Dense, No RX to HCl	Grain Size Atterberg Limits
							Gravelly Sandstone, Subrounded to Rounded, Gravel to 2 inches	
15	S-3	54			10.2		Gray Brown Clayey Siltstone, moist, very hard Weathered, No RX to HCl @ 17 ft drill advance very slow	Grain Size Atterberg Limits
20	S-4	85 11"			14.1		Gray Brown Slightly Moist, Very Hard Claystone, No advance possible	
							Total Depth 21 feet	
							No Groundwater	
25							Hole backfilled and tamped	
30								
35								
40								
45								

Project No. 1646-A09 | LOG OF BORING | Figure B-2

DATE OBSERVED: 1/2/02 METHOD OF DRILLING: 8" Hollow Stem Auger

LOGGED BY: GJ GROUND ELEVATION: NA LOCATION: SEE BORING LOCATION PLAN

BORING NO. B-4

DEPTH (FEET)	SAMPLE NUMBE	BLOWS/FOOT	DRIVE SAMPLE	BULK SAMPLE	MOISTURE CONTENT (%)	IN PLACE DRY DENSITY (PCF)	DESCRIPTION	SOIL TEST
0	B-1			X	18.5		@0-2 feet Dark Brown Sand CLAY, Moist Firm, No RX to HCl	R-Value
3								
5	D-1	29	⊘		18.0	109.3	Red Brown Sandy Siltstone, Hard, Moist to Saturated, No RX to HCl	Direct Shear Consolidation
10	D-2	46 6"	⊘		10.8		Red Brown Clayey Sandstone, Moist Very Dense, sample Disturbed @ 13 feet Gravel and Cobbles, Cannot Advance	
15							Total Depth 13 feet No Groundwater Hole backfilled and compacted	
20								
25								
30								
35								
40								

Project No. 1646-A09 | LOG OF BORING | Figure B-4

ASBESTOS ABATEMENT WORK PLAN: SAN DIEGO UNIFIED SCHOOL DISTRICT MARSTON MIDDLE SCHOOL

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ASBESTOS ABATEMENT WORK PLAN
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A. SCOPE OF WORK

1. The asbestos-related work specified herein shall be performed for the San Diego Unified School District.

2. All work to be performed at Marston Middle School is as detailed in the plans and contract documents prepared by HMC Group, dated April 24, 2002. Work includes the preparation, removal, proper cleanup, transportation, and disposal of asbestos-containing materials. This will include, but not limited to the following:

   a. Asbestos-containing floor tile and mastic: Removal at numerous locations throughout Building A1, prior to re-carpeting.

   b. Asbestos-containing floor tile and mastic: Removal in Rooms104, 106, 108, 109, 110, 111, 124, 141, and 142 in Building A2.

   c. Asbestos-containing window putty: Window removal at Buildings A1 and A2.

   d. Asbestos-containing floor tile and mastic: Room 200 in Building B1.

   e. Asbestos-containing roof penetration mastic: Roofing impacts during Library expansion in Building B1.

   f. Asbestos-containing window putty: Window removal at Library expansion in Building B1.

   g. Asbestos-containing interior and exterior wall plaster: Wall demolition at Library expansion in Building B1.

   h. Asbestos-containing interior and exterior wall plaster: Fire alarm wiring and conduit installation in Building B1.

   i. Asbestos-containing floor tile and mastic: Removal in Rooms 301 through 308 in Building C1, prior to re-carpeting.

   j. Asbestos-containing floor tile and mastic: Removal in Rooms 317 and 318 in Building C2, prior to re-carpeting.

   Items *a through j* are the asbestos-containing materials identified on this project that will be disturbed during the planned renovation. The contractor is responsible to use this information along with plans and contract

4. Each employee shall receive training consistent with Title 8, CCR 1529. The training shall apprise the employee of the specific hazards of the work environment, protective measures that can be taken, and his rights under the Standards.

5. Evidence of successful completion of proper training must be provided to the Owner or his representative prior to commencement of any abatement activities.

C. STANDARDS AND GUIDELINES

1. General

a. General Applicability of Codes, Regulations and Standards: Except to the extent that more explicit or more stringent requirements are written directly into the Work Plan, all applicable codes, regulations, and standards have the same force and effect (and are made part of the Work Plan by reference) as if copied directly into the Work Plan, or as if published copies are bound herewith.

b. The current issue of each document shall govern. Where conflict about requirements or within this Work Plan exists, the more stringent requirements shall apply.

c. Contractor Responsibility - The Contractor shall assume full responsibility and liability for compliance with all applicable federal, state, and local regulations pertaining to work practices, hauling, disposal and protection of workers, visitors to the site, and persons occupying areas adjacent to the site. The Contractor is responsible for providing medical examinations and maintaining medical records of all personnel as required by the applicable federal, state, and local requirements.

In addition, the Contractor will be responsible for obtaining all local permits, when required, and paying all fees prior to beginning work. Copies of permits must be posted at the project site.

d. The Contractor shall comply with the Federal Environmental Protection Regulations pertaining to handling and disposal of asbestos-containing material, as well as the State of California and any local governmental agencies, which have delegated responsibility for the administration, and enforcement of federal regulations.

Section 1519:	Sanitation
Section 3360:	Sanitation
Section 1684, 3555, & 3556:	Powered Hand Tools
Section 1502:	Contractors Responsibilities
Section 1511:	General Safety & Health Provision
Section 1510:	Safety Training & Education
Section 1527 & 3366:	Washing Facilities
Section 1528:	Gases, Vapors, Fumes, Dusts & Mists
Sections 1531 & 5143:	Ventilation
Section 3203:	Injury & Illness Prevention Program
Section 3204:	Access to Employee's Exposure & Medical Records
Section 6003:	Accident Prevention Signs
Section 3221:	Fire Prevention Plan
Section 1537:	Ventilation, Welding, Cutting or Heating of Metals of Toxic Sig.

b. U. S. EPA

Title 40, Part 763	Asbestos-Containing Materials in Schools
Title 40, Part 61	National Standards for Hazardous Air Pollutants (NESHAPS)

c. Federal OSHA

Title 29 CFR 1926.1101	Construction Asbestos
Title 29 CFR 1910.134	Respiratory Protection
Title 29 CFR 1910.20	Employee Access to Records
Title 29 CFR 1926.59	Hazard Communication
Title 29 CFR 1910.145	Accident Prevention
Title 29 CFR 1910.141	Sanitation

4. The Contractor shall show that reasonable measures are being taken to protect adjacent surfaces from damage. If damage is anticipated, contact owner's representatives before proceeding.

D. SUBMITTALS AND NOTICES

Within seven (7) calendar days after AWARD OF CONTRACT and at least seventy-two (72) hours prior to starting asbestos removal, provide the following to the Owner in accordance with construction Work Plans for this project:

2.) The name and appropriate certification/licenses of the hazardous materials transporter firms. (Friable materials)

3.) The name and appropriate certification/licenses of the waste disposal facility.

4.) Copies of all certifications of disposal.

E. SITE ACCESS AND SECURITY

1. Contractor shall plan to provide tight security for all work and storage areas. All storage areas containing hazardous materials including asbestos containing waste shall be fully enclosed and locked at all times when personnel are not present to oversee the material. All storage areas containing hazardous materials shall be clearly labeled as containing hazardous materials with signs in both English and Spanish.

2. The asbestos abatement work area is to be restricted to authorized, trained and protected personnel. These may include the Contractor's employees, employees of the Subcontractors, Owner representatives, state and local inspectors, and any other designated individuals. A list of authorized personnel shall be established prior to job start and posted in the Contractor's site office.

3. The abatement work area shall be demarcated.

   a. Contractor shall post appropriate warning signs at the entrance of each demolition work area. Signage shall be conspicuous; at least 20" X 14" with lettering at least two inches in height and read:

DANGER
ASBESTOS
CANCER AND LUNG DISEASE HAZARD
AUTHORIZED PERSONNEL ONLY

   b. In addition, where the use of respirators and protective clothing is required in the regulated area under this section, the warning signs shall include the following:

RESPIRATORS AND PROTECTIVE
CLOTHING ARE REQUIRED
IN THIS AREA

4. Emergency planning shall include considerations of fires, explosions, atmospheres, electrical hazards, loss of electrical power, slips, trips and falls, confined spaces and heat related injuries. Written procedures shall be developed and employee training in procedures shall be provided.

5. Employees shall be trained in evacuation procedures in the event of work place emergencies.

   a. For non-life threatening situations, employees injured or otherwise incapacitated shall decontaminate following normal procedures before exiting the work place to obtain proper medical treatment.

   b. For life threatening injury or illness, worker decontamination shall take least priority. After taking measures to stabilize the injured worker, he/she shall be removed from the work place and proper medical treatment secured.

   c. In the event that evacuation procedures are required, the Contractor shall notify ambulance, paramedic personnel, the medical facility and any other required persons that the injured individual(s) is or may be contaminated with asbestos.

   d. Emergency telephone numbers of all emergency response personnel shall be prominently posted in the clean room/change area and Contractor's site office, along with the location of the nearest telephone.

6. Contractor shall immediately notify the Owner of any Emergency situation on this project.

H. AIR MONITORING

1. The Contractor will conduct initial and periodic air monitoring of worker asbestos exposures in a manner to comply with the monitoring requirements of Title 8, CCR Section 1529.

   a. The Contractor shall make available to its employees and the Owner, all worker-monitoring results as soon as they are available (not to exceed two working days).

a. Half-face negative pressure air purifying respirator with canisters containing HEPA filters, and NIOSH/MSHA approved for asbestos dust and fumes.

b. Type "C" supplied air system or powered air-purifying respirators (PAPR), if required by virtue of airborne particulate levels.

2. Protective clothing

a. Single use, disposable, full body suits with boots and hoods attached.

3. Electrical

a. Temporary electrical cords and outlets shall be of an approved type and connected to a source of power protected by a ground fault circuit interrupter (GFCI).

4. Filtration Equipment

a. HEPA Vacuum: All vacuum equipment employed in the work area shall utilize HEPA filtration systems that are 99.97% efficient to 0.3 microns particulate size. Vacuums shall be equipped with appropriate size brushes, crevice tools and other angular tools necessary for proper cleaning of all surfaces.

b. Water Filtration System: Water used for showering in the decontamination area and any other asbestos-contaminated water must be filtered prior to disposal into the existing sewer system. The system shall, at a minimum, contain a three-stage filtering system with a final filter not greater than 0.5 microns. The filtration system shall be adequate to meet the asbestos discharge limitations of the local publicly-owned treatment works. Testing and approval of any water discharge must be provided to the Owner.

5. Tools

a. Tools for demolition work involving building components containing asbestos may include but are not limited to the following:

- Power tools with HEPA filtered exhaust
- Pry bars
- Razor knives
- Hammers

has been gathered concerning actual airborne particulate concentrations, respiratory protection requirements can be evaluated and adjusted accordingly.

d. Respirators will not be removed until the worker enters the washing area adjacent to the asbestos removal area.

e. Respirators shall be furnished to the workers by the Contractor. The respirators shall have NIOSH approval.

2. Additional Personal Protective Equipment

a. Workers will wear full body disposable suits with hoods and booties attached. Suits will be worn inside the work area once asbestos activities begin, and shall remain in use until completion of final clean up.

b. Goggles or safety glasses with side shields will be worn during asbestos activities.

3. Personal Hygiene Practices

a. The Contractor shall enforce and follow good personal hygiene practices during asbestos demolition. These practices will include, but not be limited to, the following:

i. No eating, drinking, smoking, chewing gum or tobacco, or applying of cosmetics in work area. The Contractor will provide a clean space, separated from the work area, for these activities.

ii. Subject to requirements stated in Title 8, CCR Section 1529 and referenced below, a shower facility will be provided for use by all affected workers. Upon leaving the work area workers shall proceed directly to the shower facility and shower prior to leaving the job site. Water from the shower shall be filtered as required in this Work plan.

b. Disposable clothing and other personal protective equipment (PPE) must be donned prior to entering the abatement work area. Disposable suits shall be used once, then properly disposed of.

O. CLEANUP

1. Debris shall be segregated, characterized and containerized according to the requirements under the Waste Disposal Section below.

2. HEPA vacuums are the preferred method of cleaning up small asbestos-containing debris.

3. Upon completion of final clean-up, notify owner's representative. The area will then be visually inspected by the Owner. If visible debris is present, the Owner may require further cleaning. An approved encapsulant shall then be applied to removal surfaces.

P. REOCCUPANCY AIR MONITORING

1. Subsequent to the above visual inspection, and prior to unrestricted reoccupancy, the Owner may conduct air monitoring in each interior work area, as per 40 CFR Part 763 Final Rule, the Asbestos Hazard Emergency Response Act (AHERA) regulation.

2. The release criteria will be 0.01 fibers per cubic centimeter (f/cc) of air as measured by Phase Contrast Microscopy, or equivalent to previously measured background levels.

3. If the release criteria is not met, the Owner may require further cleaning and/or encapsulation of the area or collect air samples for analysis via Transmission Electron Microscopy (TEM). The TEM release criteria will be 70 structures per squared millimeter (Str/mm^2) of air.

4. If after the second round of sampling the release criteria is not met, the contractor shall bear responsibility for all further cleaning, inspection, and air sampling until the criteria are met.

Q. WASTE DISPOSAL

1. The Contractor shall be responsible for all fees associated with the disposal of asbestos waste.

2. Non-friable materials shall be properly packaged and labeled in accordance with Title 8, CCR Section 1529 and local landfill requirements prior to disposal as non-friable asbestos-containing waste.

LEAD CONTAINING PAINT REMOVAL WORK PLAN: SAN DIEGO UNIFIED SCHOOL DISTRICT MARSTON MIDDLE SCHOOL

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ATTACHMENT 1: A Summary of Cal/OSHA's Lead in Construction Standard Title 8, CCR Section 1532.1

A. SCOPE OF WORK

1. The lead-based and lead-containing paint related work specified herein shall be performed for the San Diego Unified School District.

2. All work to be performed at Marston Middle School is as detailed in the plans and contract documents prepared by HMC Group, dated April 26, 2002. Work includes: Preparation, removal, proper cleanup, transportation, and disposal of loose and flaking paint on components determined to be covered with lead-based or lead-containing paint, surface preparation for re-painting, raceway and wire molding installation, and in some cases component removal, as detailed in the contract documents. This will include, but not limited to the following:

   a. Buildings A1, A2, and A3: Doorframes; interior walls; interior and exterior window frames; cabinets; and baseboards.

   b. Buildings B1 and B2: Doorframes; interior walls; interior and exterior window frames; cabinets; and baseboards.

   c. Buildings C1 and C2: Doorframes; interior walls; interior and exterior window frames; cabinets; and baseboards.

   d. Building D: Doors and doorframes; sliding doors; lobby panels; interior walls; interior and exterior window frames; and baseboards.

   e. Building E: Doors and doorframes; interior and exterior walls; interior and exterior window frames; and baseboards.

   f. Building F: Doorframes; counters; interior walls; interior and exterior window frames; and baseboards.

   g. The contractor is responsible for using this information along with the plans and contract documents to quantify materials to be abated.

   h. The contractor is responsible for the testing of any surface coatings that have not been previously sampled, and assume those materials are lead-containing until analysis proves otherwise.

   i. ***All surface coatings at this project location contain lead according to Cal/OSHA. Even though they are below the Department of Health Services (DHS)/Housing and Urban Development (HUD) action level of 1.0 mg/cm^2 or 5,000 ppm, any contractor disturbing***

4. Each employee shall receive, at a minimum, lead awareness training consistent with Title 8, CCR Section 1532.1. The training shall apprise the employee of the specific hazards of the work environment, protective measures, which can be taken, and his rights under the Standards. DHS Certification as a lead worker or lead supervisor is required for workers in any area where the PEL could be reached. A DHS Supervisor is required during removal of lead-based paint on site.

C. STANDARDS AND GUIDELINES

1. General

a. General Applicability of Codes, Regulations and Standards: Except to the extent that more explicit or more stringent requirements are written directly into the Work Plan, all applicable codes, regulations, and standards have the same force and effect (and are made part of the Work Plan by reference) as if copied directly into the Work Plan, or as if published copies are bound herewith.

b. The current issue of each document shall govern. Where conflict about requirements or within this Work Plan exists, the more stringent requirements shall apply.

c. Contractor Responsibility - The Contractor shall assume full responsibility and liability for compliance with all applicable federal, state, and local regulations pertaining to work practices, hauling, disposal and protection of workers, visitors to the site, and persons occupying areas adjacent to the site. The Contractor is responsible for providing medical examinations and maintaining medical records of all personnel as required by the applicable federal, state, and local requirements.

In addition, the Contractor will be responsible for obtaining all local permits, when required, and paying all fees prior to beginning work. Copies of permits must be posted at the project site.

d. The Contractor shall comply with the Federal Environmental Protection Regulations pertaining to handling and disposal of lead-containing material, as well as the State of California and any local governmental agencies, which have delegated responsibility for the administration and enforcement of federal regulations.

Section 5194:	Hazard Communication (Employee Right-to-Know)
Section 1675:	Ladders
Section 3215 & 3220:	Egress and Emergency Plans
Section 1514:	Personal Protective Equipment
Section 1519:	Sanitation
Section 3360:	Sanitation
Section 1684, 3555, & 3556:	Powered Hand Tools
Section 1502:	Contractors Responsibilities
Section 1511:	General Safety & Health Provision
Section 1510:	Safety Training & Education
Section 1527 & 3366:	Washing Facilities
Section 1528:	Gases, Vapors, Fumes, Dusts & Mists
Sections 1531 & 5143:	Ventilation
Section 3203:	Injury & Illness Prevention Program
Section 3204:	Access to Employee's Exposure & Medical Records
Section 6003:	Accident Prevention Signs
Section 3221:	Fire Prevention Plan
Section 1537:	Ventilation, Welding, Cutting or Heating of Metals of Toxic Sig.

D. SUBMITTALS AND NOTICES

Within seven (7) calendar days after AWARD OF CONTRACT, provide the following to the Owner in accordance with construction Work Plans for this project:

1. Administrative

    a. Work schedule.
    b. Copies of permits.
    c. Written Compliance Program as required by Title 8, CCR Section 1532.1 including Respiratory Protection Program.
    d. Site access and security plans.
    e. Emergency planning
    f. Hazard Communication Program

2. Worker Certification Documents

    a. Training: Submit certification documenting that employee has completed the training required in Section B.

a. All close out packages will be submitted to JMR Environmental Services, Inc. within ten (10) days of completion of project.

b. Close out packages will to contain all project documentation.

E. SITE ACCESS AND SECURITY

1. Contractor shall plan to provide tight security for all work and storage areas. All storage areas containing hazardous materials including lead contaminated waste shall be fully enclosed and locked at ali times when personnel are not present to oversee the material. All storage areas containing hazardous materials shall be clearly labeled as containing hazardous materials with signs in both English and Spanish.

2. The lead based paint abatement work area is to be restricted to authorized, trained and protected personnel. These may include the Contractor's employees, employees of the Subcontractors, Owner representatives, state and local inspectors, and any other designated individuals. A list of authorized personnel shall be established prior to job start and posted in the Contractor's site office.

3. The lead related work area shall be demarcated.

   a. Contractor shall post appropriate warning signs at the entrance of each demolition work area. Signage shall be conspicuous, at least 20" X 14" with lettering at least two inches in height and read:

WARNING:
LEAD PAINT REMOVAL HAZARD
UNAUTHORIZED ENTRY PROHIBITED
NO SMOKING, EATING OR DRINKING
ALLOWED IN WORK AREA

   b. For exterior work areas the Contractor shall place 2-inch wide barrier tape with the wording "CAUTION-LEAD PAINT HAZARD at the perimeter of the work area to discourage unauthorized entry.

   c. A logbook shall be maintained on site by the contractor. Anyone who enters the work area must record name, affiliation, time in, and time out for each entry.

b. For life threatening injury or illness, worker decontamination shall take least priority. After taking measures to stabilize the injured worker, he/she shall be removed from the work place and proper medical treatment secured.

c. In the event that evacuation procedures are required, the Contractor shall notify ambulance, paramedic personnel, the medical facility and any other required persons that the injured individual(s) is or may be contaminated with lead.

d. Emergency telephone numbers of all emergency response personnel shall be prominently posted in the clean room/change area and Contractor's site office, along with the location of the nearest telephone.

5. Contractor shall immediately notify the Owner of any Emergency situation on this project.

H. MONITORING AND INSPECTIONS

1. The Contractor will conduct initial and periodic air monitoring of worker lead exposures in a manner to comply with the monitoring requirements of Title 8, CCR Section 1532.1.

2. The Contractor shall make available to its employees and the Owner, all worker-monitoring results as soon as they are available (not to exceed three working days).

3. At the owner's discretion, the Industrial Hygiene Consultant will conduct visual inspections and wipe tests. Clearance levels will be as follows:

   a. floor surfaces - 40 $\mu g/ft^2$

   b. horizontal window surfaces - 250 $\mu g/ft^2$

   c. exterior concrete surfaces - 800 $\mu g/ft^2$

4. At the owner's discretion, baseline and clearance soil sampling may be performed by the Industrial Hygiene Consultant. The clearance requirement will be for the lead levels not to exceed baseline levels.

5. Contractor shall fully cooperate with all monitoring efforts, including periodic observation of work practices, personal air monitoring, clearance

K. TOOLS, EQUIPMENT, AND SUPPLIES

1. All equipment and tools must be in "like new" condition and good working order.

L. WORKER PROTECTION

1. Respiratory Protective Equipment

   a. All workers inside the lead related work area will wear the proper respirator for the airborne lead concentration generated, as per Title 8, CCR Section 1532.1.

   b. Workers must be properly trained in the care, use, and maintenance of respirators. The Contractor will require that a fit-test is performed on these workers and passed not less than six (6) months before they enter the work area. A formal respiratory protection program must be implemented in accordance with Title 8, CCR Sections 1532.1 and 5144.

   c. Respiratory Protection Equipment: Initially, the minimum respiratory protection equipment required for the project is:

      i. Half-face negative pressure air purifying dual cartridge respirators NIOSH approved for lead dust and fumes with HEPA filter cartridges. After sufficient historical data has been gathered concerning actual airborne particulate concentrations, respiratory protection requirements can be evaluated and adjusted accordingly.

   d. Respirators will not be removed until the worker enters the washing area adjacent to the lead work area.

   e. Respirators shall be furnished to the workers by the Contractor. The respirators shall have NIOSH approval.

2. Additional Personal Protective Equipment

   a. Workers will wear full body disposable suits with hoods and booties attached. Suits will be worn inside the work area once lead related work activities begin, and shall remain in use until completion of final clean up.

system: Water used for showering in the decontamination areas and any other lead-contaminated water must be filtered prior to disposal into the existing sewer system. The system shall, at a minimum, contain a three-stage filtering system with a final filter not greater than 0.5 microns. The filtration system shall be adequate to meet the lead discharge limitations of the local publicly-owned treatment works. Testing and approval of any water discharge must be provided to the Owner.

f. A clean lunchroom or eating area shall be provided by the employer. This area shall be kept clean and orderly.

4. The Contractor shall provide a medical surveillance program for employees occupationally exposed to airborne concentrations of lead, including an initial medical surveillance program. The initial program shall include biological monitoring in the form of blood sampling and analyses for lead and zinc protoporphyrin levels. The blood lead level screening shall be determined by the whole blood lead method, utilizing Vena-Puncture technique. In addition, the Contractor shall have a physical performed on each employee. The blood tests will also be required at the end of each 30 day period, if the employee is working on the job. This test must be performed before workers enter a lead contaminated work area. A worker will be removed from the job if his blood lead level is 50 ug/dl or greater and accorded the benefits outlined in the Medical Removal Protection Program specified in Title 8, CCR Section 1532.1.

M. REGULATED AREA

1. All lead related work activities will take place inside a regulated area as defined in Title 8, CCR Section 1532.1.

   a. The regulated area shall be demarcated with warning signs and warning tape posted far enough back from the work activities to prevent exposure to persons outside the work area.

   b. Access to the regulated area shall be restricted to authorized persons.

   c. Appropriate protective equipment shall be provided to and worn by employees and other authorized persons who enter the regulated area.

b. For wet scraping or sanding, use a spray bottle or wet sponge attached to the scraper to keep the surface damp while scraping or sanding.

c. If chemical preparations are used then compliance with all manufacturers recommendations and precautions must be followed. Gloves, face shields, and respirators with combination filter cartridges for leaded dust and organic vapors must be provided. Portable eyewash stations capable of providing a 15 minute flow must be onsite.

d. Paint chips, and lead-contaminated debris, clothing, poly sheeting, rags, etc. shall be collected and placed in drums or 6 mil poly bags for disposal.

e. Do not conduct work if wind speeds exceed 20 miles per hour. Work must stop and cleanup must begin if rain occurs.

f. Upon completion of the removal operations, the work area may be inspected and tested by the Industrial Hygiene Consultant.

2. Sanding With Power Tools

a. Only HEPA-equipped power tools may be utilized for sanding lead-based or lead-containing paint. Sanding may also be performed inside a negatively-pressurized containment.

b. Containments must be kept intact. If holes or tears develop, then work must stop and repairs made.

c. Paint chips and lead-contaminated debris, clothing, poly sheeting, rags, etc. shall be collected and placed in drums or 6-mil poly bags for disposal.

d. Upon completion of the removal operations, the work area by be inspected and tested by the Industrial Hygiene Consultant.

P. CLEANUP

1. Debris shall be segregated, characterized and containerized according to the requirements under the Waste Disposal Section below.

b. The following categories of waste material are presumed to be non-hazardous without waste characterization testing:

- Filtered wash water
- Disposable personal protective clothing that has been HEPA vacuumed before disposal.
- Wet-wiped or HEPA vacuumed plastic sheeting used to protect surfaces.
- The abatement contractor takes full responsibility in determining the exceptions listed above

5. Presumed hazardous waste.

a. The following categories of waste materials may be presumed to be hazardous without waste characterization testing:

- Paint chips
- HEPA vacuum debris and filters, dust from air filters and paint dust.
- Unfiltered liquid waste
- Rags, sponges, mops, scrapers, and other such materials used for cleanup.
- Respirator filters, non-vacuumed disposable suits

6. Hazardous Solid Waste (as determined by testing): the Contractor shall place chips, debris, and lead dust in labeled 6 mil polyethylene bags that are air-tight and puncture-resistant.

Materials or components that do not fit into poly bags will be wrapped in 6-mil poly, sealed with duct tape and labeled "DANGER, LEAD DUST".

7. Storage and Transportation of waste shall be the responsibility of the contractor and shall be performed in accordance with the following:

a. Waste shall be carefully moved out of the work area into portable, lockable, metal storage containers in designated area(s).

b. Disposal of Non-hazardous waste in a Class III landfill shall be documented and included as part of the project close-out.

ATTACHMENT 1

A Summary of Cal/OSHA's Lead in Construction Standard Title 8, CCR Section 1532.1

A Summary of Cal/OSHA's Lead in Construction Standard
Title 8, CCR Section 1532.1

NOTE: This standard originally became effective on November 4, 1993, shortly after the federal standard (29 CFR 1926.62). California's standard has since been revised, effective march 7, 1997. The revisions are highlighted by underlining and represent the additional requirements in California. A copy of the complete Cal/OSHA standard, in a reformatted, easier-to-read version, is available from Occupational Lead Poisoning Prevention Program at (510) 540-3448. The federal standard is available from Federal OSHA Publications Office at (415) 744-7112.

(a) Scope

This standard covers all construction work where an employee may be exposed to lead, including metallic lead, inorganic lead compounds, and organic lead soaps, but not organic lead compounds.

(b) Definitions

The Action Level (AL) is 30 $\mu g/m^3$ of airborne lead. Having airborne lead concentrations at or above the AL triggers certain health and safety measures described in this standard.

(c) Permissible Exposure Limit

The 8 hour Permissible Exposure Limit (PEL) is 50 $\mu g/m^3$ f airborne lead. If the work day is longer than 8 hours, the PEL is 400/number of hours worked per day. No employee may be exposed to lead at concentrations over the PEL.

(d) Exposure Assessment

Exposure assessment must be performed in all workplaces where employees may be exposed to lead.

(d)(2) Protection of Employees During Assessment of Exposure

Three sets of specified tasks trigger basic protective provisions where lead in present, until the employer performs an employee exposure assessment (exposure assessment is an initial determination via air monitoring, or a previous monitoring of a similar job within the last 12 months.)

For all three sets of tasks, employers are required to provide the following basic protective provisions until air monitoring indicates exposure levels are at or below the PEL:

- ☐ appropriate respiratory protection (type of respirator is specified according to assumed airborne lead level and requirements of Table 1),
- ☐ appropriate personal protective equipment - clean work clothes at least weekly (daily if > 200 $\mu g/m^3$ in air) - such as coveralls, gloves, hats, shoes or disposable shoe coverlets, face shields, vented goggles or other appropriate equipment,
- ☐ change areas with separate storage facilities for work and street clothes - the employer shall assure that employees do not leave the workplace with work clothes or equipment.
- ☐ hand washing facilities - the employer shall assure that employees wash their hands and face at the end of each work-shift
- ☐ biological monitoring, consisting of initial or baseline blood sampling for lead and zinc protoporphyrin(ZPP)
- ☐ training (includes Hazard Communication, respirator and lead training).

Lowest Exposure Trigger Tasks - Assume exposures > 50 and up to 500 $\mu g/m^3$ unless proven otherwise:

- ☐ where lead coatings or paint are present:
  - ☐ manual demolition of structures
  - ☐ manual scraping
  - ☐ manual sanding
  - ☐ heat gun applications
  - ☐ power tool cleaning with dust collection system
- ☐ spray painting with lead
- ☐ any other task where the employer has reason to believe employees may be exposed over the PEL.

Medium Exposure Trigger Tasks - Assume exposures > 500 and up to 2,500 $\mu g/m^3$ unless proven otherwise:

- ☐ use of lead-containing mortar
- ☐ where lead coatings or paint are present
  - ☐ lead burning
  - ☐ rivet busting
  - ☐ power tool cleaning without dust collection systems
  - ☐ cleanup of dry expendable abrasives
  - ☐ abrasive blasting enclosure movement and removal

Highest Exposure Trigger Tasks - Assume exposures > 2,500 $\mu g/m^3$ unless proven otherwise:

- ☐ where lead coatings or paint are present
  - ☐ abrasive blasting
  - ☐ welding
  - ☐ cutting
  - ☐ torch burning

(d) Exposure Assessment

When air monitoring is conducted, the employer shall collect personal samples representative of a full shift including at least one sample for each job classification in each work area either for each shift or for the shift with the highest exposure level. (For the initial determination, the employer may monitor only those employees expected to have the highest exposure levels.)

(d)(3) Basis of Initial Determination

The basis of initial determination, or initial assessment of employee exposure, will be employee exposure monitoring results and relevant considerations (e.g. complaints) with the following two exceptions:

Use of compressed air for cleaning is prohibited, unless there is a ventilation system to capture the dust created by the compressed air.

(i) Hygiene Facilities and Practices

The employer shall assure that all employees exposed to lead > PEL wash their hands and face prior to eating, drinking, smoking or applying cosmetics.

The employer shall provide, for ALL employees exposed to lead, adequate hand washing facilities, and assures (in the absence of shower facilities) that employees wash their hands and face at the end of the work shift.

In areas where employees are exposed to lead > PEL, the employer shall assure that food or beverages are not present or consumed, tobacco products are not present or used and cosmetics are not applied.

Employees exposed to lead > PEL shall be provided with clean change areas with separate storage facilities for work and street clothing, to prevent cross-contamination.

The employer shall assure that employees do not leave the workplace wearing any protective clothing or equipment that was work during the work shift.

Shower facilities, soap and towels shall be provided, where feasible, for employees exposed to lead > PEL, and the employer shall assure that these employees shower a the end of the work shift.

Employees exposed to lead > PEL shall be provided with a clean lunchroom or eating area. The employer shall assure that the lunch area is kept free from lead accumulation and that employees do not enter the lunch area with protective work clothing or equipment that has not been cleaned by vacuuming or other methods that limits dispersion of lead dust.

Employers shall establish regulated areas, where feasible, wherever employees are exposed above the PEL or performing trigger tasks (section (d)(2)). Warning signs shall be posted (section (m)), and access shall be restricted to authorized persons. Appropriate protective equipment shall be provided to and worn by employees and other persons who enter the regulated area.

(j) Medical Surveillance

The employer shall assure that all medical examinations and procedures are performed by or under the supervision of a licensed physician.

The employee has the right to seek a second medical opinion regarding the lead medical evaluation, at the expense of the employer, and if necessary a third physician may be requested to resolve any disagreements between the first two.

Prophylactic chelation, the routine use of chelating drugs to lower blood lead levels (BLL) in persons occupationally exposed to lead is prohibited.

(j)(2) **Biological Monitoring**

Initial blood sampling and analysis for BLL and zinc protoporphyrin (ZPP) are required for employees performing any of the specified trigger tasks, or for any employee exposed to an air lead level at or above the AL for at least 1 day.

Employees who are or may be exposed at or above the AL for more than 30 days in any consecutive 12 months, must be enrolled in a medical surveillance program, including BLLs and ZPP at least every 2 months for the first 6 months, and every 6 months thereafter.

Any employee with a BLL at or above 40 µg/dl, shall have a BLL and ZPP every two months until two consecutive samples are < 40.

Any employee with a BLL above 50 µg/dl shall receive a follow-up BLL within 2 weeks after the employer receives the results of the first test.

For those employees temporarily removed from their jobs involving lead exposure, a BLL and ZPP must be provided every month during the removal period.

All analysis of blood samples shall be conducted by a laboratory approved by OSHA.

The employer shall notify all employees, in writing, of their blood sampling results within 5 working days after receipt of the results.

(j)(3) Medical Examinations and Consultations

A medical exam shall be provided annually for all employees who had a BLL at or above 40 µg/dl during the preceding 12 months.

A medical exam shall be provided to any employee who reports signs or symptoms related to lead poisoning, desires medical advice regarding the effects of lead exposure on the employee's ability to produce a healthy child, is pregnant, or has difficulty breathing while wearing a respirator.

A medical exam shall be provided as medically appropriate to any employee removed from his/her usual job involving exposure to lead.

A medical exam shall include: detailed work history, with particular attention to past lead exposure; history and physical exam, with particular attention to teeth, gums, hematologic, gastrointestinal, renal, cardiovascular, neurological systems, and pulmonary system if respirators are used; blood pressure measurement; blood sample and analysis including BLL, ZPP, hemoglobin and hematocrit determinations, red cell indices, examination of peripheral smear morphology, blood urea nitrogen, serum creatinine; urinalysis with microscopic examination; pregnancy or male fertility evaluation, if requested by the employee; any other test deemed necessary by the physician.

Appendix E
Paleontological Records Search

ESA

2 September 2019

Michael Vader
ESA
550 West C Street, Suite 750
San Diego, CA 92101

RE: Paleontological Records Search – Marston Middle School Whole Site Modernization

Dear Mr. Vader:

This letter presents the results of a paleontological records search conducted for the Marston Middle School Whole Site Modernization project (Project), located in the northeastern portion of the Bay Park neighborhood within the Clairemont Mesa community plan area of the City of San Diego, San Diego County, California. The Project site is bordered to the north by Ute Drive, to the east by Waco Street, to the south by Clairemont Park, and to the west by Clairemont Drive.

A review of published geological maps covering the Project site and surrounding area was conducted to determine the specific geologic units underlying the Project site. Each geologic unit was subsequently assigned a paleontological resource sensitivity following City of San Diego guidelines (City of San Diego, 2011). In addition, a search of the paleontological collection records housed at the San Diego Natural History Museum (SDNHM) was conducted in order to determine if any documented fossil collection localities occur at the Project site or within the immediate surrounding area.

Geologic Units Underlying the Project Area

Published geological reports (e.g., Kennedy and Tan, 2008) covering the Project area indicate that the Project site is underlain by early to middle Pleistocene-age very old paralic deposits (broadly equivalent to the Lindavista Formation), which is underlain at unknown depths by the middle Eocene-age Scripps Formation. This geologic unit and its paleontological sensitivity are summarized below. The SDNHM has 36 recorded fossil localities within one mile of the Project site. Twenty-nine of these localities are from the Pleistocene-age Bay Point Formation, the Pliocene- to Pleistocene-age San Diego Formation, and the middle Eocene-age Ardath Shale, which are not anticipated to be impacted by construction of the Project. The remaining seven localities are from the middle Eocene-age Scripps Formation, and are discussed in greater detail below.

very old paralic deposits (Lindavista Formation) – The marine and/or non-marine terrace deposits of the early to middle Pleistocene-age (approximately 1.5 to 0.5 million years old) Lindavista Formation underlie the entire Project site. More specifically, these deposits rest on the Tecolote and Clairemont terraces (approximately 800,000 and 698,000 years old, respectively) of Kern and Rockwell (1992), and are broadly equivalent to units 10 and 11, very old paralic deposits, of Kennedy and Tan (2008). The SDNHM does not have any recorded fossil collection localities from the Lindavista Formation within a 1-mile radius of the Project site. Elsewhere in San Diego County, the Lindavista Formation has produced remains of nearshore marine invertebrates (e.g., clams, scallops, snails, barnacles, and sand dollars), as well as sparse remains of marine vertebrates (e.g., sharks and baleen whales). Fossils have primarily been recovered from localities in Tierrasanta and Mira Mesa where the Lindavista Formation is

assigned a high paleontological sensitivity; elsewhere in San Diego County, including in the vicinity of the Project site, the Lindavista Formation is assigned a moderate paleontological sensitivity.

Scripps Formation – The marine continental shelf deposits of the middle Eocene-age (approximately 47 million years old) Scripps Formation underlie the Lindavista Formation at unknown depths within the Project site. The SDNHM has seven fossil collection localities from the Scripps Formation within a 1-mile radius of the Project site. These localities produced trace fossils (e.g., borings in wood and shell, and burrows in sediment) and fossilized impressions or remains of plants (e.g., wood of unidentified vascular plants), and marine invertebrates (e.g., corals, snails, clams, mussels, oysters, tusk shells, nautiloids, crabs, heart urchins, and sea urchins). Based on the diverse fossil assemblages known from this unit, as well as the co-occurrence of marine invertebrate and terrestrial vertebrate fossils, the Scripps Formation has been assigned a high paleontological sensitivity.

Summary and Recommendations

The moderate paleontological sensitivity of the Lindavista Formation and high paleontological sensitivity of the underlying Scripps Formation in the City of San Diego (City of San Diego, 2011), as well as the presence of fossil collection localities in the vicinity of the Project site, suggest the potential for construction of the proposed Project to result in impacts to paleontological resources. Any proposed excavation activities that extend deep enough to encounter previously undisturbed deposits of these geologic units have the potential to impact the paleontological resources preserved therein. For these reasons, implementation of a complete paleontological resource mitigation program during ground-disturbing activities is recommended.

The fossil collection locality information contained within this paleontological record search should be considered private and is the sole property of the San Diego Natural History Museum. Any use or reprocessing of information contained within this document beyond the scope of the Marston Middle School Whole Site Modernization project is prohibited.

If you have any questions concerning these findings please feel free to contact me at 619-255-0321 or kmccomas@sdnhm.org.

Sincerely,



Katie McComas, M.S.
Paleontological Report Writer & GIS Specialist
San Diego Natural History Museum

Enc: Figure 1: Project map
Appendix: List of SDNHM fossil localities in the vicinity of the project

Literature Cited

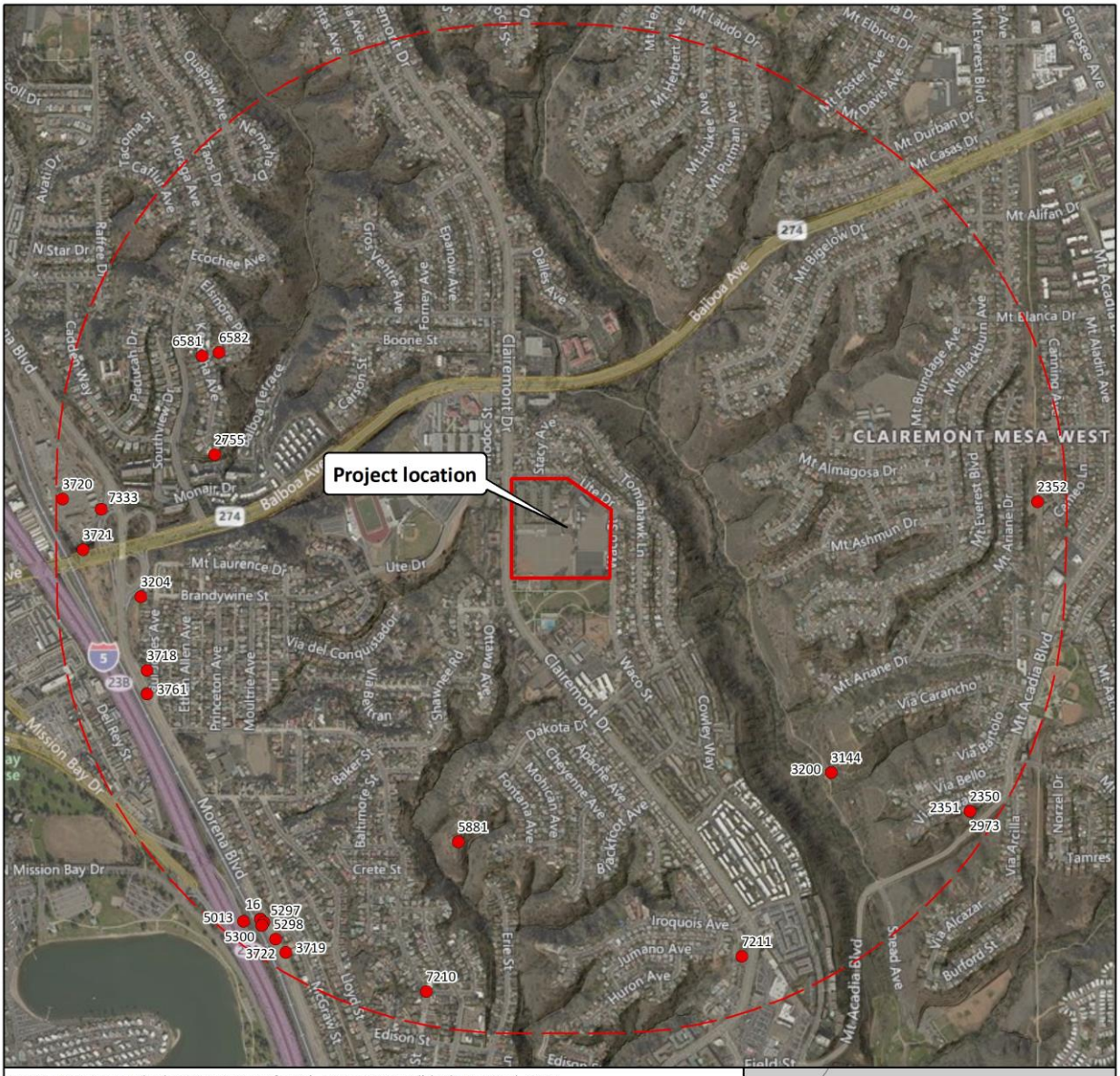
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San Diego Natural History Museum (SDNHM), unpublished paleontological collections data.


Project location
CLAIREMONT MESA WEST
Sources: Bing Maps Hybrid Imagery, Microsoft et al., 2019; Terrain Hillshade, Esri et al., 2019
Project boundary
1 mile radius buffer
SDSNH localities
Orange
Riverside
San Diego
map extent
PALEOSERVICES
SAN DIEGO NATURAL HISTORY MUSEUM
FIGURE 1
Project Map
Marson Middle School WSM
City of San Diego, San Diego County, California
0
0.4
scale in miles
N

Appendix: Locality List
San Diego Natural History Museum
Department of Paleontology

Locality Number	Locality Name	Location	Elevation (feet)	Geologic Unit	Era	Period	Epoch
2982	Morena Blvd.	City of San Diego, San Diego County, California		Bay Point Formation	Cenozoic	Quaternary	late Pleistocene
2983	Morena Blvd. - Santa Fe Railroad	City of San Diego, San Diego County, California		Bay Point Formation	Cenozoic	Quaternary	late Pleistocene
3718	Morena Boulevard	City of San Diego, San Diego County, California	30	Bay Point Formation	Cenozoic	Quaternary	late Pleistocene
3719	Morena Boulevard	City of San Diego, San Diego County, California	47	Bay Point Formation	Cenozoic	Quaternary	late Pleistocene
5013	Mission Bay East - Railroad Bed	City of San Diego, San Diego County, California	26	Bay Point Formation	Cenozoic	Quaternary	Pleistocene
64	Morena Blvd. - Santa Fe Railroad	City of San Diego, San Diego County, California	25	Bay Point Formation, Spanish Bight Faunal Horizon	Cenozoic	Quaternary	late Pleistocene
146	Morena Blvd. - Santa Fe Railroad	City of San Diego, San Diego County, California	30	Bay Point Formation, Spanish Bight Faunal Horizon	Cenozoic	Quaternary	late Pleistocene
16A	Morena Blvd.	City of San Diego, San Diego County, California	30	Bay Point Formation, Spanish Bight Faunal Horizon	Cenozoic	Quaternary	late Pleistocene
3761	Morena Boulevard Pipeline 2	City of San Diego, San Diego County, California	34	Bay Point Formation, unnamed marine deposit	Cenozoic	Quaternary	late Pleistocene
5297	Morena Blvd. - Santa Fe Railroad Tracks	City of San Diego, San Diego County, California	30	Bay Point Formation, unnamed marine deposit	Cenozoic	Quaternary	late Pleistocene
5298	Morena Blvd. - Santa Fe Railroad Tracks	City of San Diego, San Diego County, California	30	Bay Point Formation, unnamed marine deposit	Cenozoic	Quaternary	late Pleistocene
5299	Morena Blvd. - Santa Fe Railroad	City of San Diego, San Diego County, California	30	Bay Point Formation, unnamed marine deposit	Cenozoic	Quaternary	late Pleistocene
5300A	Morena Blvd. - Santa Fe Railroad Tracks	City of San Diego, San Diego County, California		Bay Point Formation, unnamed marine deposit	Cenozoic	Quaternary	late Pleistocene
5300B	Morena Blvd. - Santa Fe Railroad Tracks	City of San Diego, San Diego County, California		Bay Point Formation, unnamed marine deposit	Cenozoic	Quaternary	late Pleistocene
5300C	Morena Blvd. - Santa Fe Railroad Tracks	City of San Diego, San Diego County, California		Bay Point Formation, unnamed marine deposit	Cenozoic	Quaternary	late Pleistocene
5301A	Morena Blvd. - Santa Fe Railroad Tracks	City of San Diego, San Diego County, California		Bay Point Formation, unnamed marine deposit	Cenozoic	Quaternary	late Pleistocene
5301B	Morena Blvd. - Santa Fe Railroad Tracks	City of San Diego, San Diego County, California		Bay Point Formation, unnamed marine deposit	Cenozoic	Quaternary	late Pleistocene
5301C	Morena Blvd. - Santa Fe Railroad Tracks	City of San Diego, San Diego County, California		Bay Point Formation, unnamed marine deposit	Cenozoic	Quaternary	late Pleistocene
2973	Tecolote Canyon	City of San Diego, San Diego County, California		San Diego Formation	Cenozoic	Neogene	Pliocene
3204	Morena and Balboa	City of San Diego, San Diego County, California	100	San Diego Formation	Cenozoic	Neogene	Pliocene
2350	Tecolote Canyon	City of San Diego, San Diego County, California		Scripps Formation	Cenozoic	Paleogene	middle Eocene
2351	Tecolote Canyon - boulder at fork	City of San Diego, San Diego County, California		Scripps Formation	Cenozoic	Paleogene	middle Eocene
2352	Tecolote Canyon - Northeast Side	City of San Diego, San Diego County, California		Scripps Formation	Cenozoic	Paleogene	middle Eocene
3144	Tecolote Canyon	City of San Diego, San Diego County, California	180	Scripps Formation	Cenozoic	Paleogene	middle Eocene
5881	Dakota Residences	City of San Diego, San Diego County, California	235	Scripps Formation	Cenozoic	Paleogene	middle Eocene
7210	Sewer and Water Group 785	City of San Diego, San Diego County, California	193	Scripps Formation	Cenozoic	Paleogene	middle Eocene
7211	Sewer and Water Group 785	City of San Diego, San Diego County, California	198	Scripps Formation	Cenozoic	Paleogene	middle Eocene
16	Morena Blvd.	City of San Diego, San Diego County, California	30	Ardath Shale	Cenozoic	Paleogene	middle Eocene
2755	De Anza View Medical Center	City of San Diego, San Diego County, California	230	Ardath Shale	Cenozoic	Paleogene	middle Eocene
3200	Tecolote Canyon	City of San Diego, San Diego County, California	170	Ardath Shale	Cenozoic	Paleogene	middle Eocene
3720	Morena Boulevard borehole #1	City of San Diego, San Diego County, California	40	Ardath Shale	Cenozoic	Paleogene	middle Eocene
3721	Morena Blvd. Interceptor	City of San Diego, San Diego County, California	35	Ardath Shale	Cenozoic	Paleogene	middle Eocene
3722	Morena Blvd. Interceptor	City of San Diego, San Diego County, California	30	Ardath Shale	Cenozoic	Paleogene	middle Eocene
6581	Sewer and Water Group 754	City of San Diego, San Diego County, California	245	Ardath Shale	Cenozoic	Paleogene	middle Eocene
6582	Sewer and Water Group 754	City of San Diego, San Diego County, California	258	Ardath Shale	Cenozoic	Paleogene	middle Eocene

Locality Number	Locality Name	Location	Elevation (feet)	Geologic Unit	Era	Period	Epoch
7333	SDGE Mid-Coast Trolley	City of San Diego, San Diego County, California	79	Ardath Shale	Cenozoic	Paleogene	middle Eocene

Appendix F
Greenhouse Gas Appendix

ESA

Greenhouse Gas Appendix

Table of Contents

1 Assumptions
2 Emissions Summary
3 CalEEMod Output
    a. New Building Construction
    b. Modernization Construction
    c. Existing Operation
4 EMFAC2017 (See Air Quality Appendix)

1. Assumptions

Franklin School Project
Assumptions

CalEEMod Inputs (Non-Default information only)

Project Location		
County	San Diego	
Air District	SCAQMD	
Climate Zone	13	
Construction Year - Phase 1	2022	
Utility Provider	SDG&E	
Source Receptor Area (SCAQMD)	N/A	
EMFAC	2017	No operational mobile sources
		Mobile sources for Construction modeled outside of CalEEMod

	Base (2009)[1,2]	2017[3]	2019[4]	2020[4]	2022[4]	2030[4]
CO intensity	720	475.2	468.55	465.23	458.58	432
% renewable	10%	44.00%	44.92%	45.38%	46.31%	50.00%

% growth per year
0.46%

[1] Table 1.2, CalEEMod 2017 User Guide Appendix D

[2] CEC 2009 SDG&E Power Content Label

[3] CEC 2017 SCE Power Content Label

[4] CEC 2019 - Renewables Portfolio Standard (RPS); https://www.energy.ca.gov/portfolio/

Note that since SDG&E already exceeds the 33% RPS scenario in 2017 it is conservatively assumed there is an even growth in renewable between the 44% in 2017 and the 50% requirement by 2030.

Franklin School Project
Assumptions

Land Use	Building SQFT	Building KFS	students	Acres	
Existing (only includes those uses to be re-developed, or renovated)					
Existing Portable	3,840	3.84		0.43	demolished
Bldg 04-05 & 05-06	6,895	6.90		1.00	demolished
Bldg 02-03, 01-01, 02-02	24,433	24.43		0.63	Modernized
Bldg 06-07	2,379				Not modeled
		35.17			
Proposed Development					
School Building	13,400	13.40		0.31	
Hardscape (Asphalt)	59,597	59.60		1.12	
Added Portables (3,4 and 5)	3,840	3.84			demolished

Note: Total site acreage is 4.

New Hardscape

77,245	sqft - Total Asphalt Area
1,258	sqft LCS building
2,911	Library
13,479	New Classroom
59,597	New Asphalt

Franklin School Project
Assumptions

Construction

Construction Schedule Source: CalEEMod defaults

Task Name	Start	End	Days	
Phase 1	1/1/2021			
Add Portable Classrooms	1/1/2021	1/20/2021	14	
Site Modernization	1/1/2021	1/20/2021	14	
Demolition (Buildings 04-05/05-06)	1/21/2021	2/17/2021	20	
Phase 2				
Grading	2/18/2021	2/24/2021	5	
Site Modernization	1/21/2021	2/24/2021	25	
Building Construction	2/25/2021	12/1/2021	200	
Architectural Coating	11/25/2021	12/8/2021	10	
Paving	11/25/2021	12/8/2021	10	
Demolition (Portable 2)	12/9/2021	12/11/2021	2	
Phase 3				
Site Modernization	2/25/2021	12/8/2021	205	244
SM - Architectural Coating	6/1/2021	10/18/2021	100	251
Demolition (Portables 1, 3, 4)	12/12/2021	12/18/2021	5	

Notes:

1 Assumes Site Modernization will occur across all three phases.

2. Construction Timing

Allowable Hours: Source: Project Description

Mon-Fri 7 am to 7 pm

3. Soil Import/export Assumed all cut and fill is balanced onsite

4. Demolition Information Source:

1 Google Earth
2 Project Specific Small Scale Plot Plan
3 CalEEMod user guide Appendix A pg 13
4 City of San Diego Construction & Demolition Debris Conversion Rate Table, 5/21/08

square foot	
62,319.55	total demolition area[1]
7696.27	Buildings[2]
54,623.28	Area of Hard scape to be demolished

Franklin School Project
Assumptions

	Phase 1	Phase 2	Phase 3
sqft building demolished	6,895	1,920	5,760
tons per square foot[3]	0.046	0.046	0.046
tons of building debris	317	88	265
square feet of asphalt to be demolished[1,2]	54,623	0	0
depth in feet of existing asphalt	0.5	0.5	0.5
cubic yards to be demolished	1,012	0	0
tons per cubic yard[4]	0.7	0.7	0.7
tons of asphalt debris	708.075926	0	0
Total tons of debris	1025	88	265

5. Construction Vehicles Source: CalEEMod Defaults

Phase 1	Worker Trips (per day)	Vendor Trips (per day)	Haul Trips (total)
Add Portable Classrooms	16	0	10
Demolition (Buildings 04-05/05-06)	13	0	205
Site Modernization	20	4	0
Phase 2			
Grading	8	0	0
Site Modernization	20	4	0
Building Construction	26	10	0
Architectural Coating	5	0	0
Paving	13	0	0
Demolition (Portable 2)	8	0	6
Phase 3			
Site Modernization	20	4	0
SM - Arch Coating	4	0	0
Demolition (Portables 1, 3, 4)	8	0	15
Trip Length (miles/trip)	10.8	7.3	20

Franklin School Project
Assumptions

Note: Construction vehicle emissions calculated outside of CalEEMod

6. Construction Equipment by Construction Phase Source: CalEEMod Defaults

New Building

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
P1 - Add Portable Classrooms	Graders	0	8.00	187	0.41
P1 - Add Portable Classrooms	Rubber Tired Dozers	0	7.00	247	0.40
P1 - Add Portable Classrooms	Tractors/Loaders/ Backhoes	0	8.00	97	0.37
P1 - Demolition (Buildings 04-05/05-06)	Concrete/Industrial Saws	1	8.00	81	0.73
P1 - Demolition (Buildings 04-05/05-06)	Rubber Tired Dozers	1	8.00	247	0.40
P1 - Demolition (Buildings 04-05/05-06)	Tractors/Loaders/ Backhoes	3	8.00	97	0.37
P2 - Grading	Graders	1	6.00	187	0.41
P2 - Grading	Rubber Tired Dozers	1	6.00	247	0.40
P2 - Grading	Tractors/Loaders/ Backhoes	1	7.00	97	0.37
P2 - Building Construction	Cranes	1	6.00	231	0.29
P2 - Building Construction	Forklifts	1	6.00	89	0.20
P2 - Building Construction	Generator Sets	1	8.00	84	0.74
P2 - Building Construction	Tractors/Loaders/ Backhoes	1	6.00	97	0.37
P2 - Building Construction	Welders	3	8.00	46	0.45
P2 - Paving	Cement and Mortar Mixers	1	6.00	9	0.56
P2 - Paving	Pavers	1	6.00	130	0.42
P2 - Paving	Paving Equipment	1	8.00	132	0.36
P2 - Paving	Rollers	1	7.00	80	0.38
P2 - Paving	Tractors/Loaders/ Backhoes	1	8.00	97	0.37
P2 - Architectural Coating	Air Compressors	1	6.00	78	0.48
P2 - Demolition (Portable 2)	Concrete/Industrial Saws	1	8.00	81	0.73
P2 - Demolition (Portable 2)	Rubber Tired Dozers	1	8.00	247	0.40
P2 - Demolition (Portable 2)	Tractors/Loaders/ Backhoes	1	8.00	97	0.37
P3 - Demolition (Portables 1, 3, and 4)	Concrete/Industrial Saws	1	8.00	81	0.73
P3 - Demolition (Portables 1, 3, and 4)	Rubber Tired Dozers	1	8.00	247	0.40
P3 - Demolition (Portables 1, 3, and 4)	Tractors/Loaders/ Backhoes	1	8.00	97	0.37

Franklin School Project
Assumptions

Modernization

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Aerial Lifts	1	4	63	0.31
Building Construction	Air Compressors	2	6	78	0.48
Building Construction	Cranes	0	4	231	0.29
Building Construction	Forklifts	0	6	89	0.2
Building Construction	Tractors/Loaders/ Backhoes	0	8	97	0.37
Architectural Coating	Air Compressors	1	6	78	0.48

Franklin School Project
Operational Assumptions

Mobile source emissions

- No New Studetns or Faculty, no new mobile source emissions.

Area source emissions

-Defaults Used

Water and Wastewater

Existing (removed):	1,407	gallons per day
	513,453	gallons per year
New Development:	536	gallons per day
	195,640	gallons per year
Remodel:	977	gallons per day
	356,722	gallons per year

*conservately assumes all water is indoor use

Information in the Utilities Section is based on City of San Diego PUD Sewer Design Guide, schools generate approximately 0.04 gallons per day (gpd) of wastewater per square foot (District 2018).

% septic	% Aerobic	% Lagoon		*No septic onsite
10.33	87.46	2.21	Default	
0	97.54	2.46	Revised	

Solid Waste

Source Utilities Section

Existing (removed):	52.75	Tons per year
New Development:	20.10	Tons per year
Remodel:	36.65	Tons per year

Information in Utilities Seciton is base on City of San Diego's Guidelines for a Waste Management Plan, the average waste generation rate for solid waste generated during ongoing use of a site is approximately 3 pounds per square foot.

Franklin School Project
Operational Assumptions

Stationary Sources

None

Energy Use

Existing:

Electricity: Historic defaults Used.
Natural Gas: Historic defaults Used.

New Building:

Electricity: Defaults Used and adjusted for Title 24 changes.
Natural Gas: Defaults Used and adjusted for Title 24 changes.

Modernization:

Electricity: Historic defaults Used, mitigated to add 5% energy efficiency for modernization efforts.
Natural Gas: Historic defaults Used, mitigated to add 5% energy efficiency for modernization efforts.

CalEEMod currently uses Title 24 efficiency standards. The project will be built post 2019 therefore as a conservative estimate of T24 efficiencies required, the emission factors are updated to account for the inclusion of 2019 Title 24 standards.

% Change between 2016 T24 (CalEEMod Default), 2013 T24 and 2019 Title 24

	T24 Electricity	**Lighting**	**T24 NG**
Non-Residential 2019	30%	0%	30%

Default	**T24 Electricity**	**Lighting**	**T24 NG**
Elementary School	1.52	2.54	5.44

Revised	New Building		
	T24E	**Lighting**	**T24 NG**
	1.064	2.54	3.808

Franklin School Project
Operational Assumptions

CalEEMod Run Titles

Operational		Date
Existing:	Franklin School -Existing Conditions	8/21/2019
Project:	Franklin School - New Classroom Building	8/21/2019
	Franklin School - Site Modernization	8/21/2019

Phase 1
Add Portable Classrooms
Demolition (Buildings 04-05/05-06)
Site Modernization
Phase 2
Grading
Site Modernization
Building Construction
Architectural Coating
Paving
Demolition (Portable 2)
Phase 3
Site Modernization
SM - Arch Coating
Demolition of Portables 1, 3, and 4

2. Emissions Summary

Franklin School Project

Unmitigated GHG Summary

CalEEMod 2016.3.2

Title: GHG Construction Emissions Summary

Unmitigated Construction Emissions - Max Annual

	MT/yr CO_2e				MT CO_2e
	Onsite	**Hauling**	**Vendor**	**Worker**	**Total**
Phase 1					
Add Portable Classrooms	0.00	1.39	0.00	0.74	2
Site Modernization	4.10	0.00	0.60	0.93	6
Demolition (Buildings 04-05/05-06)	21.21	20.53	0.00	0.86	43
Phase 1 Total					***50***
Phase 2					
Grading	3.12	0.00	0.00	0.13	3
Site Modernization	7.32	0.00	1.08	1.65	10
Building Construction	182.36	0.00	21.53	17.20	221
Paving	5.93	0.00	0.00	0.43	6
Architectural Coating	1.28	0.00	0.00	0.17	1
Demolition (Portable 2)	1.57	0.20	0.00	0.05	2
Phase 2 Total					***244***
Phase 3					
Site Modernization	60.05	0.00	8.83	13.56	82
SM - Architectural Coating	12.79	0.00	0.00	1.32	14
Demolition (Portables 1, 3, and 4)	3.93	0.50	0.00	0.13	5
Phase 3 Total					***101***
Construction Total					*395*
Amortized Construction					*13*

Franklin School Project

Unmitigated GHG Summary

Unmitigated Operational Emissions - Max Annual

CalEEMod 2016.3.2

Title:	Franklin School -Existing Conditions	Date:	8/21/2019
	Franklin School - New Classroom Building	Date:	8/21/2019
	Franklin School - Site Modernization	Date:	8/21/2019

Existing			
Area	0.00		
Energy	60.71		
Mobile	0.00		
Waste	26.53		
Water	1.86		
Total Existing:	89.10		
New Building			
Area	0.00	0.00	
Energy	16.48	57.58	
Mobile	0.00	0.00	
Waste	10.11	28.54	
Water	0.70	1.97	
Sub Total - New Building	27.29	88.09	88.09
Building Renovations			
Area	0.00		
Energy	41.10		
Mobile	0.00		
Waste	18.43		
Water	1.27		
Sub Total - Renovation	60.80		
Total Project:	88.09		
Net Project:	-1.01		
Amortized Construction	13.18		
Total Net Project	12.17		
Threshold	900		
Exceed Threshold?	No		

3. CalEEMod Output

3. CalEEMod Output
a. New Building Construction

Franklin School - New Construction - San Diego County, Annual

Franklin School - New Construction

San Diego County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	13.40	1000sqft	0.31	13,400.00	0
Other Asphalt Surfaces	1.12	Acre	1.12	48,787.20	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	40
Climate Zone	13			**Operational Year**	2022
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	458.58	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - See assumptions

Land Use -

Construction Phase - See assumptions

Off-road Equipment - See assumptions

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - See assumptions

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - See assumptions

Trips and VMT - See assumptions

Demolition -

Vehicle Trips - See assumptions

Energy Use - See assumptions

Water And Wastewater - See assumptions

Solid Waste - See assumptions

Construction Off-road Equipment Mitigation - See assumptions

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	20.00	2.00
tblConstructionPhase	NumDays	20.00	5.00
tblConstructionPhase	NumDays	4.00	5.00
tblConstructionPhase	NumDays	2.00	14.00
tblEnergyUse	T24E	1.52	1.06
tblEnergyUse	T24NG	5.44	3.81
tblGrading	AcresOfGrading	1.88	1.50
tblGrading	AcresOfGrading	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	720.49	458.58

tblSolidWaste	SolidWasteGenerationRate	17.42	20.10
tblTripsAndVMT	HaulingTripNumber	101.00	0.00
tblTripsAndVMT	HaulingTripNumber	9.00	0.00
tblTripsAndVMT	HaulingTripNumber	25.00	0.00
tblTripsAndVMT	VendorTripNumber	10.00	0.00
tblTripsAndVMT	WorkerTripNumber	13.00	0.00
tblTripsAndVMT	WorkerTripNumber	8.00	0.00
tblTripsAndVMT	WorkerTripNumber	26.00	0.00
tblTripsAndVMT	WorkerTripNumber	13.00	0.00
tblTripsAndVMT	WorkerTripNumber	5.00	0.00
tblTripsAndVMT	WorkerTripNumber	8.00	0.00
tblTripsAndVMT	WorkerTripNumber	8.00	0.00
tblVehicleTrips	WD_TR	15.43	0.00
tblWater	AerobicPercent	87.46	97.54
tblWater	AerobicPercent	87.46	97.54
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	2.46
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	2.46
tblWater	IndoorWaterUseRate	388,558.69	195,640.00
tblWater	OutdoorWaterUseRate	999,150.92	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.3887	1.6984	1.5390	2.6300e-003	0.0275	0.0859	0.1133	8.6000e-003	0.0823	0.0909	0.0000	218.3382	218.3382	0.0420	0.0000	219.3887
Maximum	**0.3887**	**1.6984**	**1.5390**	**2.6300e-003**	**0.0275**	**0.0859**	**0.1133**	**8.6000e-003**	**0.0823**	**0.0909**	**0.0000**	**218.3382**	**218.3382**	**0.0420**	**0.0000**	**219.3887**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.2359	0.9631	1.5839	2.6300e-003	0.0117	0.0101	0.0218	3.6700e-003	0.0101	0.0138	0.0000	218.3379	218.3379	0.0420	0.0000	219.3884
Maximum	**0.2359**	**0.9631**	**1.5839**	**2.6300e-003**	**0.0117**	**0.0101**	**0.0218**	**3.6700e-003**	**0.0101**	**0.0138**	**0.0000**	**218.3379**	**218.3379**	**0.0420**	**0.0000**	**219.3884**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**39.31**	**43.29**	**-2.92**	**0.00**	**57.27**	**88.25**	**80.74**	**57.33**	**87.74**	**84.87**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**1-1-2021**	**3-31-2021**	0.4491	0.2455
2	**4-1-2021**	**6-30-2021**	0.5021	0.2618
3	**7-1-2021**	**9-30-2021**	0.5076	0.2646
		Highest	0.5076	0.2646

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0727	0.0000	1.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.6000e-004	2.6000e-004	0.0000	0.0000	2.8000e-004
Energy	3.1000e-004	2.8200e-003	2.3700e-003	2.0000e-005		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	16.3910	16.3910	9.0000e-004	2.3000e-004	16.4823
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	4.0801	0.0000	4.0801	0.2411	0.0000	10.1083
Water						0.0000	0.0000		0.0000	0.0000	0.0692	0.5299	0.5991	2.0200e-003	1.6000e-004	0.6965
Total	**0.0730**	**2.8200e-003**	**2.5000e-003**	**2.0000e-005**	**0.0000**	**2.1000e-004**	**2.1000e-004**	**0.0000**	**2.1000e-004**	**2.1000e-004**	**4.1493**	**16.9212**	**21.0705**	**0.2441**	**3.9000e-004**	**27.2874**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0727	0.0000	1.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.6000e-004	2.6000e-004	0.0000	0.0000	2.8000e-004
Energy	3.1000e-004	2.8200e-003	2.3700e-003	2.0000e-005		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	16.3910	16.3910	9.0000e-004	2.3000e-004	16.4823
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	4.0801	0.0000	4.0801	0.2411	0.0000	10.1083
Water						0.0000	0.0000		0.0000	0.0000	0.0554	0.4239	0.4793	1.6200e-003	1.3000e-004	0.5572
Total	**0.0730**	**2.8200e-003**	**2.5000e-003**	**2.0000e-005**	**0.0000**	**2.1000e-004**	**2.1000e-004**	**0.0000**	**2.1000e-004**	**2.1000e-004**	**4.1355**	**16.8152**	**20.9507**	**0.2437**	**3.6000e-004**	**27.1481**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.33**	**0.63**	**0.57**	**0.16**	**7.69**	**0.51**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	P1 - Add Portable Classrooms	Site Preparation	1/1/2021	1/20/2021	5	14	
2	P1 - Demolition (Buildings 04-05/05-06)	Demolition	1/21/2021	2/17/2021	5	20	
3	P2 - Grading	Grading	2/18/2021	2/24/2021	5	5	
4	P2 - Building Construction	Building Construction	2/25/2021	12/1/2021	5	200	
5	P2 - Paving	Paving	11/25/2021	12/8/2021	5	10	
6	P2 - Architectural Coating	Architectural Coating	11/25/2021	12/8/2021	5	10	
7	P2 - Demolition (Portable 2)	Demolition	12/9/2021	12/11/2021	5	2	
8	P3 - Demolition (Portables 1, 3, and 4)	Demolition	12/13/2021	12/17/2021	5	5	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 1.12

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 20,100; Non-Residential Outdoor: 6,700; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
P1 - Add Portable Classrooms	Graders	0	8.00	187	0.41
P1 - Add Portable Classrooms	Rubber Tired Dozers	0	7.00	247	0.40
P1 - Add Portable Classrooms	Tractors/Loaders/Backhoes	0	8.00	97	0.37
P1 - Demolition (Buildings 04-05/05-06)	Concrete/Industrial Saws	1	8.00	81	0.73
P1 - Demolition (Buildings 04-05/05-06)	Rubber Tired Dozers	1	8.00	247	0.40
P1 - Demolition (Buildings 04-05/05-06)	Tractors/Loaders/Backhoes	3	8.00	97	0.37
P2 - Grading	Graders	1	6.00	187	0.41
P2 - Grading	Rubber Tired Dozers	1	6.00	247	0.40
P2 - Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
P2 - Building Construction	Cranes	1	6.00	231	0.29
P2 - Building Construction	Forklifts	1	6.00	89	0.20
P2 - Building Construction	Generator Sets	1	8.00	84	0.74
P2 - Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
P2 - Building Construction	Welders	3	8.00	46	0.45
P2 - Paving	Cement and Mortar Mixers	1	6.00	9	0.56
P2 - Paving	Pavers	1	6.00	130	0.42
P2 - Paving	Paving Equipment	1	8.00	132	0.36
P2 - Paving	Rollers	1	7.00	80	0.38
P2 - Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
P2 - Architectural Coating	Air Compressors	1	6.00	78	0.48
P2 - Demolition (Portable 2)	Concrete/Industrial Saws	1	8.00	81	0.73
P2 - Demolition (Portable 2)	Rubber Tired Dozers	1	8.00	247	0.40
P2 - Demolition (Portable 2)	Tractors/Loaders/Backhoes	1	8.00	97	0.37
P3 - Demolition (Portables 1, 3, and 4)	Concrete/Industrial Saws	1	8.00	81	0.73
P3 - Demolition (Portables 1, 3, and 4)	Rubber Tired Dozers	1	8.00	247	0.40
P3 - Demolition (Portables 1, 3, and 4)	Tractors/Loaders/Backhoes	1	8.00	97	0.37

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use DPF for Construction Equipment

Use Soil Stabilizer

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 P1 - Add Portable Classrooms - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					5.3000e-004	0.0000	5.3000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**5.3000e-004**	**0.0000**	**5.3000e-004**	**6.0000e-005**	**0.0000**	**6.0000e-005**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.3000e-004	0.0000	2.3000e-004	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**2.3000e-004**	**0.0000**	**2.3000e-004**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.3 P1 - Demolition (Buildings 04-05/05-06) - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0111	0.0000	0.0111	1.6800e-003	0.0000	1.6800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0199	0.1970	0.1449	2.4000e-004		0.0104	0.0104		9.7100e-003	9.7100e-003	0.0000	21.0713	21.0713	5.3900e-003	0.0000	21.2060
Total	**0.0199**	**0.1970**	**0.1449**	**2.4000e-004**	**0.0111**	**0.0104**	**0.0215**	**1.6800e-003**	**9.7100e-003**	**0.0114**	**0.0000**	**21.0713**	**21.0713**	**5.3900e-003**	**0.0000**	**21.2060**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					4.7500e-003	0.0000	4.7500e-003	7.2000e-004	0.0000	7.2000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.6200e-003	0.1210	0.1542	2.4000e-004		1.0800e-003	1.0800e-003		1.0800e-003	1.0800e-003	0.0000	21.0713	21.0713	5.3900e-003	0.0000	21.2060
Total	**5.6200e-003**	**0.1210**	**0.1542**	**2.4000e-004**	**4.7500e-003**	**1.0800e-003**	**5.8300e-003**	**7.2000e-004**	**1.0800e-003**	**1.8000e-003**	**0.0000**	**21.0713**	**21.0713**	**5.3900e-003**	**0.0000**	**21.2060**

3.4 P2 - Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0121	0.0000	0.0121	6.2900e-003	0.0000	6.2900e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.2200e-003	0.0358	0.0158	4.0000e-005		1.5900e-003	1.5900e-003		1.4700e-003	1.4700e-003	0.0000	3.0959	3.0959	1.0000e-003	0.0000	3.1210
Total	**3.2200e-003**	**0.0358**	**0.0158**	**4.0000e-005**	**0.0121**	**1.5900e-003**	**0.0137**	**6.2900e-003**	**1.4700e-003**	**7.7600e-003**	**0.0000**	**3.0959**	**3.0959**	**1.0000e-003**	**0.0000**	**3.1210**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					5.1700e-003	0.0000	5.1700e-003	2.6900e-003	0.0000	2.6900e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.6000e-004	0.0173	0.0202	4.0000e-005		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	3.0959	3.0959	1.0000e-003	0.0000	3.1209
Total	**8.6000e-004**	**0.0173**	**0.0202**	**4.0000e-005**	**5.1700e-003**	**1.2000e-004**	**5.2900e-003**	**2.6900e-003**	**1.2000e-004**	**2.8100e-003**	**0.0000**	**3.0959**	**3.0959**	**1.0000e-003**	**0.0000**	**3.1209**

3.5 P2 - Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1813	1.3636	1.2899	2.2000e-003		0.0684	0.0684		0.0661	0.0661	0.0000	181.5476	181.5476	0.0324	0.0000	182.3579
Total	**0.1813**	**1.3636**	**1.2899**	**2.2000e-003**		**0.0684**	**0.0684**		**0.0661**	**0.0661**	**0.0000**	**181.5476**	**181.5476**	**0.0324**	**0.0000**	**182.3579**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0522	0.7532	1.3124	2.2000e-003		8.2300e-003	8.2300e-003		8.2300e-003	8.2300e-003	0.0000	181.5474	181.5474	0.0324	0.0000	182.3577
Total	**0.0522**	**0.7532**	**1.3124**	**2.2000e-003**		**8.2300e-003**	**8.2300e-003**		**8.2300e-003**	**8.2300e-003**	**0.0000**	**181.5474**	**181.5474**	**0.0324**	**0.0000**	**182.3577**

3.6 P2 - Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.8700e-003	0.0387	0.0443	7.0000e-005		2.0800e-003	2.0800e-003		1.9100e-003	1.9100e-003	0.0000	5.8825	5.8825	1.8600e-003	0.0000	5.9291
Paving	1.4700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**5.3400e-003**	**0.0387**	**0.0443**	**7.0000e-005**		**2.0800e-003**	**2.0800e-003**		**1.9100e-003**	**1.9100e-003**	**0.0000**	**5.8825**	**5.8825**	**1.8600e-003**	**0.0000**	**5.9291**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.8200e-003	0.0346	0.0504	7.0000e-005		3.4000e-004	3.4000e-004		3.4000e-004	3.4000e-004	0.0000	5.8825	5.8825	1.8600e-003	0.0000	5.9291
Paving	1.4700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**3.2900e-003**	**0.0346**	**0.0504**	**7.0000e-005**		**3.4000e-004**	**3.4000e-004**		**3.4000e-004**	**3.4000e-004**	**0.0000**	**5.8825**	**5.8825**	**1.8600e-003**	**0.0000**	**5.9291**

3.7 P2 - Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1722					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.0900e-003	7.6300e-003	9.0900e-003	1.0000e-005		4.7000e-004	4.7000e-004		4.7000e-004	4.7000e-004	0.0000	1.2766	1.2766	9.0000e-005	0.0000	1.2788
Total	**0.1733**	**7.6300e-003**	**9.0900e-003**	**1.0000e-005**		**4.7000e-004**	**4.7000e-004**		**4.7000e-004**	**4.7000e-004**	**0.0000**	**1.2766**	**1.2766**	**9.0000e-005**	**0.0000**	**1.2788**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1722					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.0000e-004	6.7800e-003	9.1600e-003	1.0000e-005		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	1.2766	1.2766	9.0000e-005	0.0000	1.2788
Total	**0.1725**	**6.7800e-003**	**9.1600e-003**	**1.0000e-005**		**7.0000e-005**	**7.0000e-005**		**7.0000e-005**	**7.0000e-005**	**0.0000**	**1.2766**	**1.2766**	**9.0000e-005**	**0.0000**	**1.2788**

3.8 P2 - Demolition (Portable 2) - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.5000e-004	0.0000	9.5000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.6200e-003	0.0159	9.9700e-003	2.0000e-005		8.2000e-004	8.2000e-004		7.7000e-004	7.7000e-004	0.0000	1.5612	1.5612	3.6000e-004	0.0000	1.5703
Total	**1.6200e-003**	**0.0159**	**9.9700e-003**	**2.0000e-005**	**9.5000e-004**	**8.2000e-004**	**1.7700e-003**	**1.4000e-004**	**7.7000e-004**	**9.1000e-004**	**0.0000**	**1.5612**	**1.5612**	**3.6000e-004**	**0.0000**	**1.5703**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					4.1000e-004	0.0000	4.1000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.1000e-004	8.6300e-003	0.0107	2.0000e-005		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	1.5612	1.5612	3.6000e-004	0.0000	1.5702
Total	**4.1000e-004**	**8.6300e-003**	**0.0107**	**2.0000e-005**	**4.1000e-004**	**7.0000e-005**	**4.8000e-004**	**6.0000e-005**	**7.0000e-005**	**1.3000e-004**	**0.0000**	**1.5612**	**1.5612**	**3.6000e-004**	**0.0000**	**1.5702**

3.9 P3 - Demolition (Portables 1, 3, and 4) - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.7700e-003	0.0000	2.7700e-003	4.2000e-004	0.0000	4.2000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.0500e-003	0.0398	0.0249	4.0000e-005		2.0400e-003	2.0400e-003		1.9100e-003	1.9100e-003	0.0000	3.9030	3.9030	9.1000e-004	0.0000	3.9256
Total	**4.0500e-003**	**0.0398**	**0.0249**	**4.0000e-005**	**2.7700e-003**	**2.0400e-003**	**4.8100e-003**	**4.2000e-004**	**1.9100e-003**	**2.3300e-003**	**0.0000**	**3.9030**	**3.9030**	**9.1000e-004**	**0.0000**	**3.9256**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.1900e-003	0.0000	1.1900e-003	1.8000e-004	0.0000	1.8000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.0300e-003	0.0216	0.0268	4.0000e-005		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004	0.0000	3.9030	3.9030	9.1000e-004	0.0000	3.9256
Total	**1.0300e-003**	**0.0216**	**0.0268**	**4.0000e-005**	**1.1900e-003**	**1.8000e-004**	**1.3700e-003**	**1.8000e-004**	**1.8000e-004**	**3.6000e-004**	**0.0000**	**3.9030**	**3.9030**	**9.1000e-004**	**0.0000**	**3.9256**

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	13.3234	13.3234	8.4000e-004	1.7000e-004	13.3964
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	13.3234	13.3234	8.4000e-004	1.7000e-004	13.3964
NaturalGas Mitigated	3.1000e-004	2.8200e-003	2.3700e-003	2.0000e-005		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	3.0677	3.0677	6.0000e-005	6.0000e-005	3.0859
NaturalGas Unmitigated	3.1000e-004	2.8200e-003	2.3700e-003	2.0000e-005		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	3.0677	3.0677	6.0000e-005	6.0000e-005	3.0859

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Elementary School	57486	3.1000e-004	2.8200e-003	2.3700e-003	2.0000e-005		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	3.0677	3.0677	6.0000e-005	6.0000e-005	3.0859
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**3.1000e-004**	**2.8200e-003**	**2.3700e-003**	**2.0000e-005**		**2.1000e-004**	**2.1000e-004**		**2.1000e-004**	**2.1000e-004**	**0.0000**	**3.0677**	**3.0677**	**6.0000e-005**	**6.0000e-005**	**3.0859**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Elementary School	57486	3.1000e-004	2.8200e-003	2.3700e-003	2.0000e-005		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	3.0677	3.0677	6.0000e-005	6.0000e-005	3.0859
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**3.1000e-004**	**2.8200e-003**	**2.3700e-003**	**2.0000e-005**		**2.1000e-004**	**2.1000e-004**		**2.1000e-004**	**2.1000e-004**	**0.0000**	**3.0677**	**3.0677**	**6.0000e-005**	**6.0000e-005**	**3.0859**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Elementary School	64052	13.3234	8.4000e-004	1.7000e-004	13.3964
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		**13.3234**	**8.4000e-004**	**1.7000e-004**	**13.3964**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Elementary School	64052	13.3234	8.4000e-004	1.7000e-004	13.3964
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		**13.3234**	**8.4000e-004**	**1.7000e-004**	**13.3964**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0727	0.0000	1.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.6000e-004	2.6000e-004	0.0000	0.0000	2.8000e-004
Unmitigated	0.0727	0.0000	1.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.6000e-004	2.6000e-004	0.0000	0.0000	2.8000e-004

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0172					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0555					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0000e-005	0.0000	1.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.6000e-004	2.6000e-004	0.0000	0.0000	2.8000e-004
Total	**0.0727**	**0.0000**	**1.3000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**2.6000e-004**	**2.6000e-004**	**0.0000**	**0.0000**	**2.8000e-004**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0172					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0555					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0000e-005	0.0000	1.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.6000e-004	2.6000e-004	0.0000	0.0000	2.8000e-004
Total	**0.0727**	**0.0000**	**1.3000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**2.6000e-004**	**2.6000e-004**	**0.0000**	**0.0000**	**2.8000e-004**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.4793	1.6200e-003	1.3000e-004	0.5572
Unmitigated	0.5991	2.0200e-003	1.6000e-004	0.6965

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Elementary School	0.19564 / 0	0.5991	2.0200e-003	1.6000e-004	0.6965
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.5991**	**2.0200e-003**	**1.6000e-004**	**0.6965**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Elementary School	0.156512 / 0	0.4793	1.6200e-003	1.3000e-004	0.5572
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.4793**	**1.6200e-003**	**1.3000e-004**	**0.5572**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	4.0801	0.2411	0.0000	10.1083
Unmitigated	4.0801	0.2411	0.0000	10.1083

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Elementary School	20.1	4.0801	0.2411	0.0000	10.1083
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		**4.0801**	**0.2411**	**0.0000**	**10.1083**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Elementary School	20.1	4.0801	0.2411	0.0000	10.1083
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		**4.0801**	**0.2411**	**0.0000**	**10.1083**

3. CalEEMod Output
b. Modernization Construction

Franklin School - Modernization - San Diego County, Annual

Franklin School - Modernization

San Diego County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	24.43	1000sqft	0.63	24,433.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	40
Climate Zone	13			**Operational Year**	2022
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	458.58	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - See Assumptions

Land Use - See Assumptions

Construction Phase - See Assumptions

Off-road Equipment -

Off-road Equipment - See Assumptions

Trips and VMT - Modeled outside of CalEEMod

Demolition -

Grading -

Vehicle Trips - no new mobile source trips

Energy Use - See Assumptions

Water And Wastewater - See Assumptions

Solid Waste - See Assumptions

Construction Off-road Equipment Mitigation - See Assumptions

Energy Mitigation - See Assumptions

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	5.00	100.00
tblConstructionPhase	NumDays	100.00	244.00
tblLandUse	LandUseSquareFeet	24,430.00	24,433.00
tblLandUse	LotAcreage	0.56	0.63
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	720.49	458.58
tblSolidWaste	SolidWasteGenerationRate	31.76	36.65
tblTripsAndVMT	VendorTripNumber	4.00	0.00
tblTripsAndVMT	WorkerTripNumber	10.00	0.00
tblTripsAndVMT	WorkerTripNumber	2.00	0.00
tblVehicleTrips	WD_TR	15.43	0.00
tblWater	AerobicPercent	87.46	97.54
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	2.46
tblWater	IndoorWaterUseRate	708,394.69	356,722.00
tblWater	OutdoorWaterUseRate	1,821,586.34	0.00
tblWater	SepticTankPercent	10.33	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.3498	0.4855	0.6011	9.8000e-004	0.0000	0.0284	0.0284	0.0000	0.0283	0.0283	0.0000	84.0648	84.0648	8.0600e-003	0.0000	84.2663
Maximum	**0.3498**	**0.4855**	**0.6011**	**9.8000e-004**	**0.0000**	**0.0284**	**0.0284**	**0.0000**	**0.0283**	**0.0283**	**0.0000**	**84.0648**	**84.0648**	**8.0600e-003**	**0.0000**	**84.2663**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.3031	0.4565	0.6165	9.8000e-004	0.0000	4.8000e-003	4.8000e-003	0.0000	4.8000e-003	4.8000e-003	0.0000	84.0647	84.0647	8.0600e-003	0.0000	84.2662
Maximum	**0.3031**	**0.4565**	**0.6165**	**9.8000e-004**	**0.0000**	**4.8000e-003**	**4.8000e-003**	**0.0000**	**4.8000e-003**	**4.8000e-003**	**0.0000**	**84.0647**	**84.0647**	**8.0600e-003**	**0.0000**	**84.2662**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**13.34**	**5.97**	**-2.56**	**0.00**	**0.00**	**83.07**	**83.07**	**0.00**	**83.04**	**83.04**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2021	3-31-2021	0.1225	0.1069
2	4-1-2021	6-30-2021	0.2032	0.1839
3	7-1-2021	9-30-2021	0.3686	0.3419
		Highest	0.3686	0.3419

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.1238	0.0000	2.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	4.4000e-004	4.4000e-004	0.0000	0.0000	4.7000e-004
Energy	9.1000e-004	8.2400e-003	6.9200e-003	5.0000e-005		6.3000e-004	6.3000e-004		6.3000e-004	6.3000e-004	0.0000	41.2428	41.2428	2.2100e-003	5.9000e-004	41.4730
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	7.4396	0.0000	7.4396	0.4397	0.0000	18.4313
Water						0.0000	0.0000		0.0000	0.0000	0.1262	0.9662	1.0924	3.6800e-003	2.9000e-004	1.2701
Total	**0.1247**	**8.2400e-003**	**7.1400e-003**	**5.0000e-005**	**0.0000**	**6.3000e-004**	**6.3000e-004**	**0.0000**	**6.3000e-004**	**6.3000e-004**	**7.5658**	**42.2094**	**49.7753**	**0.4456**	**8.8000e-004**	**61.1748**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.1238	0.0000	2.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	4.4000e-004	4.4000e-004	0.0000	0.0000	4.7000e-004
Energy	8.9000e-004	8.0900e-003	6.7900e-003	5.0000e-005		6.1000e-004	6.1000e-004		6.1000e-004	6.1000e-004	0.0000	40.8696	40.8696	2.2000e-003	5.8000e-004	41.0976
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	7.4396	0.0000	7.4396	0.4397	0.0000	18.4313
Water						0.0000	0.0000		0.0000	0.0000	0.1262	0.9662	1.0924	3.6800e-003	2.9000e-004	1.2701
Total	**0.1247**	**8.0900e-003**	**7.0100e-003**	**5.0000e-005**	**0.0000**	**6.1000e-004**	**6.1000e-004**	**0.0000**	**6.1000e-004**	**6.1000e-004**	**7.5658**	**41.8362**	**49.4020**	**0.4456**	**8.7000e-004**	**60.7995**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.02**	**1.82**	**1.82**	**0.00**	**0.00**	**3.17**	**3.17**	**0.00**	**3.17**	**3.17**	**0.00**	**0.88**	**0.75**	**0.00**	**1.14**	**0.61**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	1/1/2021	12/8/2021	5	244	
2	Architectural Coating	Architectural Coating	6/1/2021	10/18/2021	5	100	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 36,650; Non-Residential Outdoor: 12,217; Striped Parking

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Aerial Lifts	1	4.00	63	0.31
Building Construction	Air Compressors	2	6.00	78	0.48
Building Construction	Cranes	0	4.00	231	0.29
Building Construction	Forklifts	0	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	3	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use DPF for Construction Equipment

3.2 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0557	0.4092	0.5102	8.3000e-004		0.0237	0.0237		0.0236	0.0236	0.0000	71.2985	71.2985	7.1900e-003	0.0000	71.4781
Total	**0.0557**	**0.4092**	**0.5102**	**8.3000e-004**		**0.0237**	**0.0237**		**0.0236**	**0.0236**	**0.0000**	**71.2985**	**71.2985**	**7.1900e-003**	**0.0000**	**71.4781**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0170	0.3887	0.5249	8.3000e-004		4.0900e-003	4.0900e-003		4.0900e-003	4.0900e-003	0.0000	71.2984	71.2984	7.1900e-003	0.0000	71.4781
Total	**0.0170**	**0.3887**	**0.5249**	**8.3000e-004**		**4.0900e-003**	**4.0900e-003**		**4.0900e-003**	**4.0900e-003**	**0.0000**	**71.2984**	**71.2984**	**7.1900e-003**	**0.0000**	**71.4781**

3.3 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2831					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0109	0.0763	0.0909	1.5000e-004		4.7000e-003	4.7000e-003		4.7000e-003	4.7000e-003	0.0000	12.7663	12.7663	8.8000e-004	0.0000	12.7882
Total	**0.2941**	**0.0763**	**0.0909**	**1.5000e-004**		**4.7000e-003**	**4.7000e-003**		**4.7000e-003**	**4.7000e-003**	**0.0000**	**12.7663**	**12.7663**	**8.8000e-004**	**0.0000**	**12.7882**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2831					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.9700e-003	0.0679	0.0916	1.5000e-004		7.1000e-004	7.1000e-004		7.1000e-004	7.1000e-004	0.0000	12.7663	12.7663	8.8000e-004	0.0000	12.7882
Total	**0.2861**	**0.0679**	**0.0916**	**1.5000e-004**		**7.1000e-004**	**7.1000e-004**		**7.1000e-004**	**7.1000e-004**	**0.0000**	**12.7663**	**12.7663**	**8.8000e-004**	**0.0000**	**12.7882**

5.0 Energy Detail

Historical Energy Use: Y

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	32.0661	32.0661	2.0300e-003	4.2000e-004	32.2418
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	32.2724	32.2724	2.0400e-003	4.2000e-004	32.4493
NaturalGas Mitigated	8.9000e-004	8.0900e-003	6.7900e-003	5.0000e-005		6.1000e-004	6.1000e-004		6.1000e-004	6.1000e-004	0.0000	8.8035	8.8035	1.7000e-004	1.6000e-004	8.8558
NaturalGas Unmitigated	9.1000e-004	8.2400e-003	6.9200e-003	5.0000e-005		6.3000e-004	6.3000e-004		6.3000e-004	6.3000e-004	0.0000	8.9704	8.9704	1.7000e-004	1.6000e-004	9.0237

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Elementary School	168099	9.1000e-004	8.2400e-003	6.9200e-003	5.0000e-005		6.3000e-004	6.3000e-004		6.3000e-004	6.3000e-004	0.0000	8.9704	8.9704	1.7000e-004	1.6000e-004	9.0237
Total		**9.1000e-004**	**8.2400e-003**	**6.9200e-003**	**5.0000e-005**		**6.3000e-004**	**6.3000e-004**		**6.3000e-004**	**6.3000e-004**	**0.0000**	**8.9704**	**8.9704**	**1.7000e-004**	**1.6000e-004**	**9.0237**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Elementary School	164972	8.9000e-004	8.0900e-003	6.7900e-003	5.0000e-005		6.1000e-004	6.1000e-004		6.1000e-004	6.1000e-004	0.0000	8.8035	8.8035	1.7000e-004	1.6000e-004	8.8558
Total		**8.9000e-004**	**8.0900e-003**	**6.7900e-003**	**5.0000e-005**		**6.1000e-004**	**6.1000e-004**		**6.1000e-004**	**6.1000e-004**	**0.0000**	**8.8035**	**8.8035**	**1.7000e-004**	**1.6000e-004**	**8.8558**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Elementary School	155150	32.2724	2.0400e-003	4.2000e-004	32.4493
Total		**32.2724**	**2.0400e-003**	**4.2000e-004**	**32.4493**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Elementary School	154158	32.0661	2.0300e-003	4.2000e-004	32.2418
Total		**32.0661**	**2.0300e-003**	**4.2000e-004**	**32.2418**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.1238	0.0000	2.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	4.4000e-004	4.4000e-004	0.0000	0.0000	4.7000e-004
Unmitigated	0.1238	0.0000	2.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	4.4000e-004	4.4000e-004	0.0000	0.0000	4.7000e-004

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0283					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0954					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.0000e-005	0.0000	2.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	4.4000e-004	4.4000e-004	0.0000	0.0000	4.7000e-004
Total	**0.1238**	**0.0000**	**2.2000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**4.4000e-004**	**4.4000e-004**	**0.0000**	**0.0000**	**4.7000e-004**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0283					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0954					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.0000e-005	0.0000	2.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	4.4000e-004	4.4000e-004	0.0000	0.0000	4.7000e-004
Total	**0.1238**	**0.0000**	**2.2000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**4.4000e-004**	**4.4000e-004**	**0.0000**	**0.0000**	**4.7000e-004**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	1.0924	3.6800e-003	2.9000e-004	1.2701
Unmitigated	1.0924	3.6800e-003	2.9000e-004	1.2701

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Elementary School	0.356722 / 0	1.0924	3.6800e-003	2.9000e-004	1.2701
Total		**1.0924**	**3.6800e-003**	**2.9000e-004**	**1.2701**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Elementary School	0.356722 / 0	1.0924	3.6800e-003	2.9000e-004	1.2701
Total		**1.0924**	**3.6800e-003**	**2.9000e-004**	**1.2701**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	7.4396	0.4397	0.0000	18.4313
Unmitigated	7.4396	0.4397	0.0000	18.4313

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Elementary School	36.65	7.4396	0.4397	0.0000	18.4313
Total		**7.4396**	**0.4397**	**0.0000**	**18.4313**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Elementary School	36.65	7.4396	0.4397	0.0000	18.4313
Total		**7.4396**	**0.4397**	**0.0000**	**18.4313**

3. CalEEMod Output
c. Existing Operation

Franklin School - Existing Conditions - San Diego County, Annual

Franklin School - Existing Conditions

San Diego County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	35.17	1000sqft	4.00	35,170.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	40
Climate Zone	13			**Operational Year**	2019
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	468.55	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - See Assumptions

Land Use - See Assumptions

Construction Phase - No Construction

Off-road Equipment - no construction

Trips and VMT - no construction

Vehicle Trips - no new trips

Energy Use - Historical data used due to age of buildings

Water And Wastewater - See Assumptions

Solid Waste - See Assumptions

Table Name	Column Name	Default Value	New Value
tblLandUse	LotAcreage	0.81	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	720.49	468.55
tblSolidWaste	SolidWasteGenerationRate	45.72	52.75
tblTripsAndVMT	WorkerTripNumber	3.00	0.00
tblVehicleTrips	WD_TR	15.43	0.00
tblWater	AerobicPercent	87.46	97.54
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	2.46
tblWater	IndoorWaterUseRate	1,019,821.58	513,453.00
tblWater	OutdoorWaterUseRate	2,622,398.34	0.00
tblWater	SepticTankPercent	10.33	0.00

2.0 Emissions Summary

No Construction

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.1781	0.0000	3.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.3000e-004	6.3000e-004	0.0000	0.0000	6.7000e-004
Energy	1.3000e-003	0.0119	9.9600e-003	7.0000e-005		9.0000e-004	9.0000e-004		9.0000e-004	9.0000e-004	0.0000	60.3768	60.3768	3.1900e-003	8.4000e-004	60.7081
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	10.7078	0.0000	10.7078	0.6328	0.0000	26.5281
Water						0.0000	0.0000		0.0000	0.0000	0.1817	1.4209	1.6026	5.3000e-003	4.1000e-004	1.8583
Total	**0.1794**	**0.0119**	**0.0103**	**7.0000e-005**	**0.0000**	**9.0000e-004**	**9.0000e-004**	**0.0000**	**9.0000e-004**	**9.0000e-004**	**10.8894**	**61.7983**	**72.6878**	**0.6413**	**1.2500e-003**	**89.0951**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.1781	0.0000	3.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.3000e-004	6.3000e-004	0.0000	0.0000	6.7000e-004
Energy	1.3000e-003	0.0119	9.9600e-003	7.0000e-005		9.0000e-004	9.0000e-004		9.0000e-004	9.0000e-004	0.0000	60.3768	60.3768	3.1900e-003	8.4000e-004	60.7081
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	10.7078	0.0000	10.7078	0.6328	0.0000	26.5281
Water						0.0000	0.0000		0.0000	0.0000	0.1817	1.4209	1.6026	5.3000e-003	4.1000e-004	1.8583
Total	**0.1794**	**0.0119**	**0.0103**	**7.0000e-005**	**0.0000**	**9.0000e-004**	**9.0000e-004**	**0.0000**	**9.0000e-004**	**9.0000e-004**	**10.8894**	**61.7983**	**72.6878**	**0.6413**	**1.2500e-003**	**89.0951**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

No Construction

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Elementary School	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-...	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Elementary School	9.50	7.30	7.30	65.00	30.00	5.00	63	25	12

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Elementary School	0.581689	0.044135	0.186694	0.113515	0.018244	0.005600	0.015197	0.022573	0.001888	0.002088	0.006279	0.000742	0.001357

5.0 Energy Detail

Historical Energy Use: Y

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	47.4644	47.4644	2.9400e-003	6.1000e-004	47.7189
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	47.4644	47.4644	2.9400e-003	6.1000e-004	47.7189
NaturalGas Mitigated	1.3000e-003	0.0119	9.9600e-003	7.0000e-005		9.0000e-004	9.0000e-004		9.0000e-004	9.0000e-004	0.0000	12.9124	12.9124	2.5000e-004	2.4000e-004	12.9892
NaturalGas Unmitigated	1.3000e-003	0.0119	9.9600e-003	7.0000e-005		9.0000e-004	9.0000e-004		9.0000e-004	9.0000e-004	0.0000	12.9124	12.9124	2.5000e-004	2.4000e-004	12.9892

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Elementary School	241970	1.3000e-003	0.0119	9.9600e-003	7.0000e-005		9.0000e-004	9.0000e-004		9.0000e-004	9.0000e-004	0.0000	12.9124	12.9124	2.5000e-004	2.4000e-004	12.9892
Total		**1.3000e-003**	**0.0119**	**9.9600e-003**	**7.0000e-005**		**9.0000e-004**	**9.0000e-004**		**9.0000e-004**	**9.0000e-004**	**0.0000**	**12.9124**	**12.9124**	**2.5000e-004**	**2.4000e-004**	**12.9892**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Elementary School	241970	1.3000e-003	0.0119	9.9600e-003	7.0000e-005		9.0000e-004	9.0000e-004		9.0000e-004	9.0000e-004	0.0000	12.9124	12.9124	2.5000e-004	2.4000e-004	12.9892

Total		**1.3000e-003**	**0.0119**	**9.9600e-003**	**7.0000e-005**		**9.0000e-004**	**9.0000e-004**		**9.0000e-004**	**9.0000e-004**	**0.0000**	**12.9124**	**12.9124**	**2.5000e-004**	**2.4000e-004**	**12.9892**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Elementary School	223330	47.4644	2.9400e-003	6.1000e-004	47.7189
Total		**47.4644**	**2.9400e-003**	**6.1000e-004**	**47.7189**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Elementary School	223330	47.4644	2.9400e-003	6.1000e-004	47.7189
Total		**47.4644**	**2.9400e-003**	**6.1000e-004**	**47.7189**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.1781	0.0000	3.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.3000e-004	6.3000e-004	0.0000	0.0000	6.7000e-004
Unmitigated	0.1781	0.0000	3.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.3000e-004	6.3000e-004	0.0000	0.0000	6.7000e-004

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0408					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1374					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.0000e-005	0.0000	3.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.3000e-004	6.3000e-004	0.0000	0.0000	6.7000e-004
Total	**0.1781**	**0.0000**	**3.3000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**6.3000e-004**	**6.3000e-004**	**0.0000**	**0.0000**	**6.7000e-004**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0408					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1374					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.0000e-005	0.0000	3.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.3000e-004	6.3000e-004	0.0000	0.0000	6.7000e-004
Total	**0.1781**	**0.0000**	**3.3000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**6.3000e-004**	**6.3000e-004**	**0.0000**	**0.0000**	**6.7000e-004**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	1.6026	5.3000e-003	4.1000e-004	1.8583
Unmitigated	1.6026	5.3000e-003	4.1000e-004	1.8583

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			

Elementary School	0.513453 / 0	1.6026	5.3000e-003	4.1000e-004	1.8583
Total		**1.6026**	**5.3000e-003**	**4.1000e-004**	**1.8583**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Elementary School	0.513453 / 0	1.6026	5.3000e-003	4.1000e-004	1.8583
Total		**1.6026**	**5.3000e-003**	**4.1000e-004**	**1.8583**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	10.7078	0.6328	0.0000	26.5281
Unmitigated	10.7078	0.6328	0.0000	26.5281

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Elementary School	52.75	10.7078	0.6328	0.0000	26.5281
Total		**10.7078**	**0.6328**	**0.0000**	**26.5281**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Elementary School	52.75	10.7078	0.6328	0.0000	26.5281
Total		**10.7078**	**0.6328**	**0.0000**	**26.5281**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Appendix G
Noise Appendix

ESA

Noise Appendix
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1 Construction Noise Calculations
2 Construction Vibration Calculations

1. Construction Noise Calculations

Project: Franklin Elementary

Construction Noise Impact on Sensitive Receptors

Parameters

Construction Hours:	8	Daytime hours (7 am to 7 pm)
	0	Evening hours (7 pm to 10 pm)
	0	Nighttime hours (10 pm to 7 am)
Leq to L10 factor	3	

Construction Phase **Equipment Type**	**No. of Equip.**	**Reference Noise Level at 50ft, Lmax**	**Acoustical Usage Factor**	**Distance (ft)**	**Lmax**	**Leq**	**L10**	**Estimated Noise Shielding, dBA**
Modernization					**73**	***71***		
Man Lift	1	75	20%	60	73	66	69	0
Air Compressor	3	78	40%	160	73	69	72	0
Demolition					**88**	***82***		
Concrete Saw	1	90	20%	60	88	81	84	0
Dozer	1	82	40%	160	72	68	71	0
Tractor/Loader/Backhoe	3	80	25%	260	70	64	67	0
Grading					**83**	***80***		
Graders	1	85	40%	60	83	79	82	0
Dozer	1	82	40%	160	72	68	71	0
Tractor/Loader/Backhoe	1	80	25%	260	66	60	63	0
Building Construction					**79**	***74***		
Cranes	1	81	16%	60	79	71	74	0
Forklift	1	75	10%	60	73	63	66	0
Generator Sets	1	81	50%	160	71	68	71	0
Tractor/Loader/Backhoe	1	80	25%	160	70	64	67	0
Welders	3	74	40%	260	64	60	63	0
Paving/Architectural Coating					**77**	***78***		
Cement and Mortar Mixers	1	79	40%	60	77	73	76	0
Paver	1	77	50%	60	75	72	75	0
Other Equipment	1	85	50%	160	75	72	75	0
Roller	4	80	20%	160	76	69	72	0
Tractor/Loader/Backhoe	4	80	25%	260	72	66	69	0
Air Compressor	1	78	40%	260	64	60	63	0

2. Construction Vibration Calculations

Franklin School

Vibration Level Calculations

Based on Federal Transit Administration, Office of Planning and Environment

N =	1.5

Construction Equipment	Project Equipment	Equipment Peak Particle Velocity @ 25 Feet* (inches/second)	Distance to Receptor for < 0.5 PPV (Feet)	Estimated Velocity Decibels @ Distance** (VdB)	Estimated Peak Particle Velocity @ Distance*** (inches/second)
Unmitigated Vibration Levels					
R1					
Vibratory Roller	Yes	0.210	60	83.0	0.056
Large Bulldozer or Bore/Drill Rig	Yes	0.089	60	75.5	0.024
Loaded Trucks	Yes	0.076	60	74.2	0.020
Jackhammer	Yes	0.035	60	67.4	0.009
Small Bulldozer	Yes	0.003	60	46.1	0.001

Source:

Federal Transit Administration, *Transit Noise and Vibration Impact Assessment Manual,* 2018.

Notes:

* Values taken from Table 7-4.

** Based on the formula VdB = 20 x LOG10 (v/v_{ref}), where v_{ref} is equal to 1×10^{-6} in/sec (see page 111).
The approximate rms vibration velocity level (v) is calculated from PPV using a crest factor of 4 (see page 184).

*** Based on the formula PPV(D) = PPV(25 ft) x $(25/D)^N$, where D is equal to the distance (see page 185).
N = soil type classification factor (typically ranges from 1 to 1.5)

Off-Site Construction Haul Trucks

Equipment	Reference Vibration Levels at 50 ft, in/sec PPV	Estimated Vibration Levels , in/sec PPV	
		20 ft	
Typical Road Surface	0.00565	0.071	

Ref. Levels based on FTA Figure 5-4 (converted from VdB to PPV)

Appendix H
Traffic Assessment

ESA

MARSTON MIDDLE SCHOOL ACCESS AND PARKING ASSESSMENT



JUNE 2018 | DRAFT

Prepared By:

Kimley»Horn

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Appendix C: Accident History (2010-2017)

Appendix D: Synchro Analysis

1 INTRODUCTION

Kimley-Horn and Associates assisted the San Diego Unified School District (SDUSD) in evaluating options for improving the pedestrian and vehicular operations at Marston Middle School within the South Clairemont community in the City of San Diego. The School site is bounded by Clairemont Drive to the west, Ute Drive to the north, Waco Street to the east, and South Clairemont Community Park to the south. **Figure 1-1** shows an aerial of the School site labeling access points and key traffic operation locations of the existing site.

1.1 PROJECT DESCRIPTION

San Diego Unified School District's capital improvements are funded by two general obligation bond measures—Propositions S and Z. These bond programs were developed to provide resources to repair, renovate, and revitalize deteriorating facilities at 181 existing neighborhood schools within the school district. Bond projects include classroom technology, safety and security upgrades, Americans with Disabilities Act (ADA) upgrades, new/renovated facilities for college, career and technical education, replacement of temporary classrooms with permanent classrooms, air conditioning improvements, upgrades to turf fields and other athletic facilities, and other capital improvements at traditional and charter schools throughout the school district.

Marston Middle School was established in the 1950s. While there have been updates and enhancements to the facilities over the years, there were several areas identified by staff and community members as needing renovations or improvements as part of Propositions S and Z. To gather this input two pre-schematic/design task force meetings were held in January and February 2018. One of the key improvement areas was determined to be drop-off, pick-up, and parking operations for the school site.

SDUSD requested an access assessment study to examine traffic operations in the morning when students arrive to the school and in the afternoon when students leave the site, and recommend possible improvements that could be incorporated into the Proposition S and Z school modernization programs. The two main objectives of the traffic assessment report are:

1. Observe vehicle, bicycle, and pedestrian accessibility within the vicinity of the school site.

2. Suggest enhancements or modifications that would improve pedestrian, bicycle, or vehicular accessibility at the entrance to the school site.

Kimley-Horn has prepared this access assessment report to summarize our observations and recommendations regarding improvements at the Marston Middle School site.

Figure 1-1
Site Plan and Existing Curb Utilization



MARSTON MIDDLE SCHOOL

June 2018

2 DATA COLLECTION AND FIELD REVIEW

Existing site information was collected to assist with the evaluation of the vehicular, bicycle, and pedestrian access to the school site. The information collected in this task includes:

- Field observations of the pick-up/drop-off operations at Marston Middle School during a typical school day;
- Collection of historical collision data on the streets adjacent to the school; and
- Collection of existing vehicular, bicycle, and pedestrian counts at the intersections and roadway segments surrounding the school.

2.1 PARKING

As shown in **Figure 1-1,** two staff/visitor parking lots are currently provided on-site at Marston Middle School. The first lot, located at the northwest corner of campus, is accessed from Clairemont Drive and exits onto Ute Drive, and contains 18 parking spaces. The second lot is located towards the northeast corner of campus and is accessed from and exits to Ute Drive, and includes a side lot east of the main circulation path. This lot has 45 spaces. In addition to the parking lots, there is general on-street parking provided along Clairemont Drive, Ute Drive, Waco Street, and the surrounding neighborhoods for visitors and staff overflow. It was observed that there were available parking spaces for visitors in the eastern staff parking lot, and along Ute Drive and Waco Street until approximately five minutes before afternoon release.

2.2 LOADING/UNLOADING AREAS

There are currently two locations designated for bus loading/unloading operations. The first is located along Clairemont Drive and the second is located along Ute Drive, as shown in **Figure 1-1**. It is understood that the bus loading zone located along Ute Drive is being transitioned to Clairemont Drive as a request from the School Site. Two busses arrived to the Ute Drive drop-off between 8:30 a.m. and 8:35 a.m., and students were escorted from the bus to campus by a teacher (approximately 55 students). A third bus, with approximately 35 students, arrived at 8:40 a.m. and the students were also escorted to campus. In the afternoon, two busses departed the Ute Drive loading zone at 3:45 p.m., and a smaller bus departed the Clairemont Drive loading zone.

There are two designated student loading areas marked as 3 minute passenger loading zones; one is located on the east side of Clairemont Drive south of the bus loading zone, and the other is on the south side of Ute Drive between Clairemont Drive and Stacy Avenue. The Clairemont Drive loading area has space for seven vehicles, and the Ute Drive loading area has space for four vehicles.

2.3 FIELD OBSERVATIONS OF EXISTING OPERATIONS

Kimley-Horn and Associates conducted a field review of the site on Tuesday, May 8, 2018, during the morning drop-off and afternoon pick-up operations. The morning drop-off observation was conducted between 8:00 a.m. and 9:15 a.m. The afternoon pick-up operation was observed between 3:00 p.m. and 4:00 p.m. The purpose of the field visits was to document the interaction between pedestrians, bicyclists, vehicles, and buses during times when school traffic is heaviest.

Figure 2-1 illustrates a summary of the field observations. As shown in the figure, the following were observations that should be considered during the process of updating the school site to address community and staff feedback.

- Queueing and delay only occurs for the peak 10 minutes of morning drop-off (8:45-8:55) and afternoon pick-up (3:35-3:45).
- There appears to be a strong preference to drop-off students on the south side of Ute Drive between Clairemont Drive and the alley west of Stacy Avenue, so drivers can then turn left into the alley to return to Clairemont Drive. This causes congestion between Clairemont Drive and Stacy Avenue, at times causing traffic to briefly block the Clairemont Drive and Ute Drive intersection.
- Some vehicles that drop-off on the south side of Ute Drive make illegal U-turns to return to Clairemont Drive.
- Some drivers drop-off and pick-up within red curb and bus only zones on Ute Drive because the loading zone on Ute Drive does not have enough capacity or queueing space.
- Some drivers use the staff/visitor parking lot on Ute Drive as a turnaround for drop-off and pick-up, typically turning left out of the parking lot.
- All available curb space adjacent to the school on Clairemont Drive and Ute Drive is occupied with waiting vehicles approximately 5 minutes before afternoon dismissal.
- At afternoon dismissal, traffic backs up to Clairemont Drive when the crossing guard stops vehicles to allow students to cross the street at Stacy Avenue. This crossing is heavily used by students.
- Afternoon commuter traffic on Clairemont Drive exacerbates queueing on Ute Drive for the peak 10 minutes of afternoon pick-up.
- Two students were observed riding bikes to campus. The remaining students were dropped off, took a bus, or walked to campus.
- Buses were observed using the bus zones on Clairemont Drive and Ute Drive.

Figure 2-1
Summary of Field Observations



PLAN LEGEND

1. Preferred drop-off and pick-up location, as drivers can then turn left into the alley to return to Clairemont Drive.
2. Drivers drop-off and pick-up within red curb and bus only zones.
3. Some drivers make illegal U-turns to proceed back to Clairemont Drive.
4. Congestion at this loading zone causes back-up into the intersection (especially for SB to EB lefts).
5. Some drivers use the parking lot as a turnaround for drop-off and pick-up.
6. All available curb space is occupied with waiting vehicles 5 minutes before afternoon dismissal.
7. At afternoon dismissal, traffic backs up to Clairemont Drive when the crossing guard stops vehicles to allow students to cross the street. This crossing is heavily used by students.
8. Queuing and delay only occurs for the peak 10 minutes of morning drop-off (8:45-8:55) and afternoon pick-up (3:35-3:45).
9. Afternoon commuter traffic exacerbates queuing for the peak 10 minutes of afternoon pick-up.
10. Buses were observed using the bus zones on Clairemont Drive and Ute Drive.
11. Two students were observed biking to campus. The remaining students were dropped off, took a bus, or walked to campus.

- Red Curb
- On-Street Parking
- 3 Min Passenger Loading
- Bus Loading
- TS Traffic Signal

2.4 EXISTING TRAFFIC VOLUMES AND SPEEDS

Existing a.m. (7:00 to 9:00 a.m.) and p.m. (2:30 to 4:30 p.m.) peak-hour turning movement counts were conducted by National Data and Surveying Services (NDS) at the existing intersections surrounding the site in May 2018. 24-hour roadway machine counts with speeds along the roadway segments surrounding the site were also collected by NDS in May 2018. **Figure 2-2** illustrates the existing traffic volumes and speeds around the site. A copy of the traffic counts can be found in **Appendix A.**

2.5 COLLISION HISTORY

Existing collision data information was obtained from the Transportation Injury Mapping System (TIMS) along the roadway segments adjacent to the school site. Collisions were analyzed from January 2010 to December 2017. **Figure 2-3** shows a summary of the collisions within the vicinity of the school site. As shown on the figure, 9 collisions were reported during the eight-year period. Of the 9 collisions, 5 occurred during the school's morning pick-up or afternoon drop-off peak-hours. 2 of the 5 collisions during school peak-hours involved a person walking or biking.

2.6 STAKEHOLDERS INPUT

Two meetings were held with school and SDUSD officials and community members in January and February 2018 at Marston Middle School. The purpose of the meetings was for school and SDUSD officials and community members to present and discuss with RNT Architects and Kimley-Horn their concerns and potential modifications to the school site. Field observations confirmed many of the items discussed during the meeting and additional insight was provided to the project team. The complete meeting notes are included in **Appendix B.** Below is a summary of the traffic and circulation related information and input received from school and SDUSD officials and community members:

Meeting 1 (January 24, 2018)

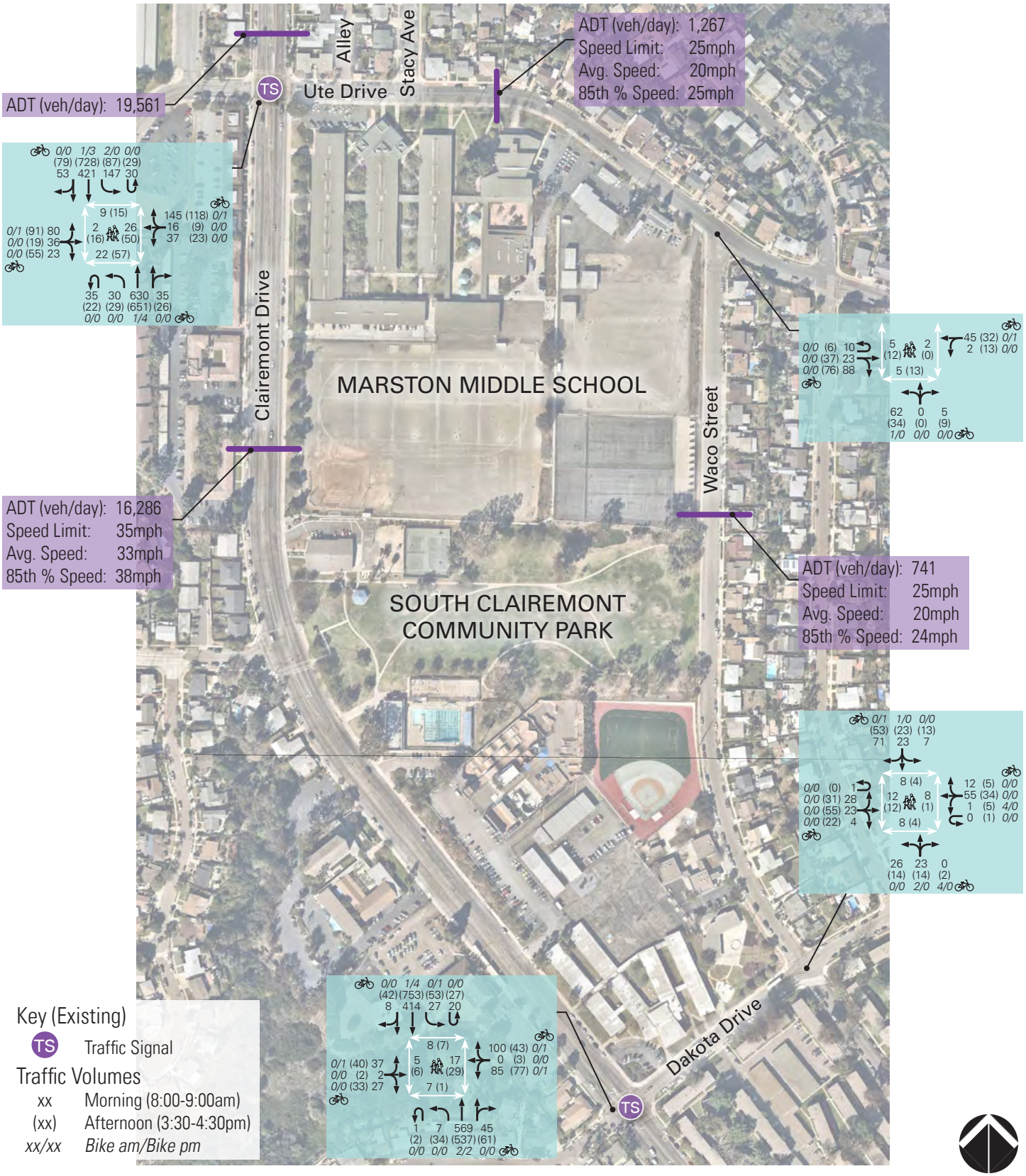
- There was general consensus that the latest traffic changes made by the City to the traffic signals at Balboa Avenue and Clairemont Drive have made pick-up and drop-off traffic worse. Concerns over grid-lock and insufficient car/bus queueing space along Ute Drive were discussed.
- There is currently no on-campus drop-off area, which could help alleviate the traffic along adjacent roads.
- The campus is used for weekend activities and events, such as the Xplode dance program and Communion Church services, and there are concerns about insufficient parking and traffic control for these events.
- Food service and trash trucks also use the staff parking lot entrance off of Ute Drive.
- Parking lot driveways are located along a curve which creates additional visibility and safety concerns.
- Drivers tend to speed down Waco Street and the alley adjacent to Ute Drive after drop-offs in the morning.

- There is additional bus traffic to/from Clairemont High School and Whittier School.
- The community expressed interest in exploring design ideas for a new two-lane drop off loop with additional parking located on campus, either off Waco Drive or Clairemont Drive.

Meeting 2 (February 21, 2018)

- Preliminary design concepts for a new parking and drop-off area located on campus were presented, and the design was well received by the community.
- The design would include at least 75 parking spaces and a double loop circulation route for pick-up and drop-off. There would be a total of about 100 spaces on campus.
- The community members commented that the one-way circulation and right turn only driveways make a lot of sense for vehicular circulation.
- The additional parking on campus should also help alleviate some of the congestion along the streets during 3rd party events on the weekends.
- The community also mentioned the need for night lighting and new landscaping around the new parking lots.

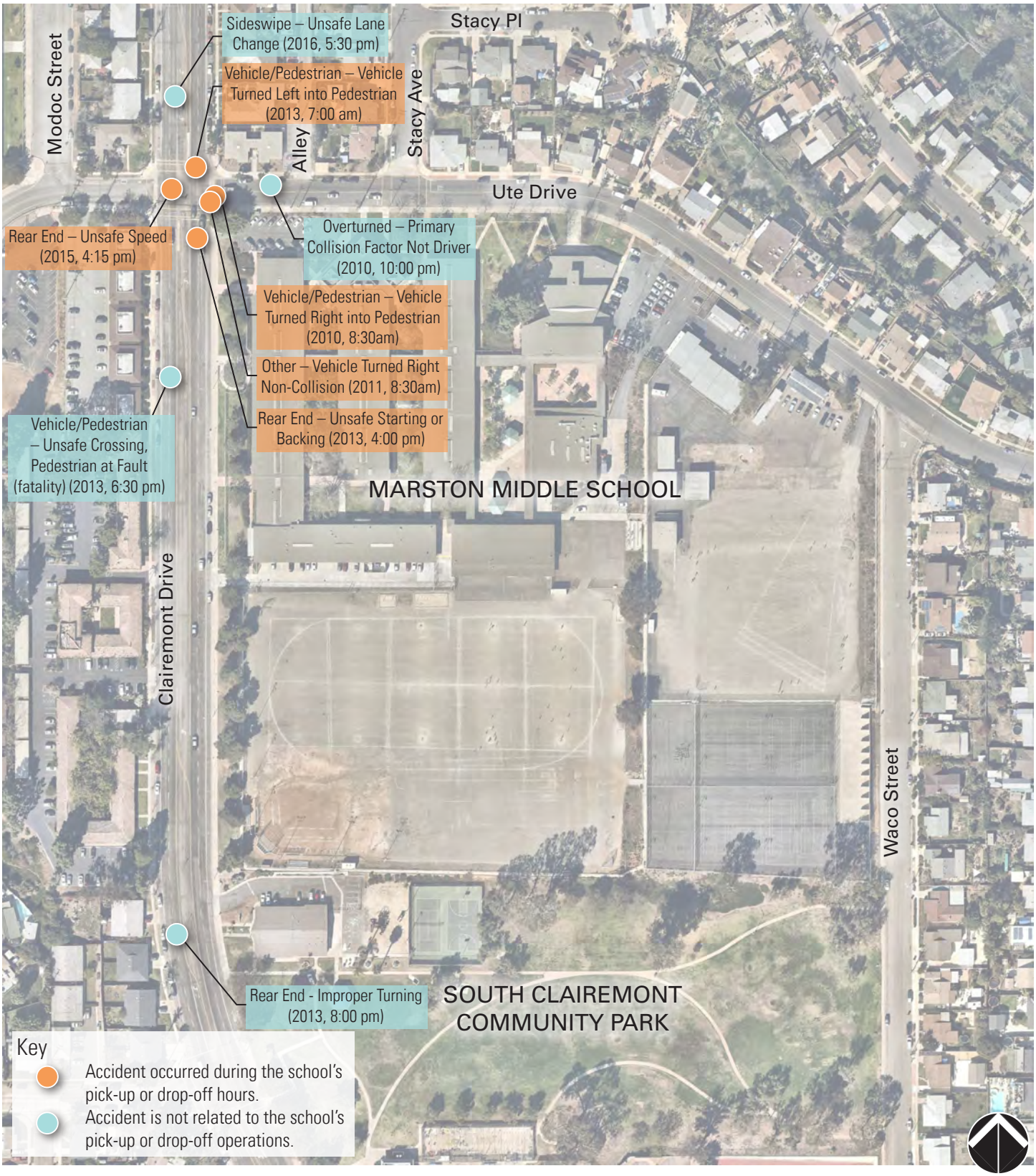
Figure 2-2
Existing Traffic Volumes



MARSTON MIDDLE SCHOOL

June 2018

Figure 2-3
Collision History (2010-2017)



3 RECOMMENDATIONS

Based on the data collected, field observations, and input from school administration, community members, and SDUSD officials, various improvement possibilities were considered. The following are the recommended improvements that were found to be feasible and could enhance the vehicular, bicycle, and pedestrian access to the Marston Middle School Site. **Figure 3-1** summarizes the locations of the recommended improvements.

3.1 IMPROVEMENT RECOMMENDATIONS

These are initial recommendations to help alleviate some of the observed traffic congestion and enhance multi-modal access to the existing site:

1. Install continental crosswalks at the intersections of Clairemont Drive & Ute Drive, and Ute Drive & Stacy Avenue to help alert drivers that people may be walking here.
2. Remove the loading zone on the south side of Ute Drive between Clairemont Drive and Stacy Avenue and replace it with regular curb parking. This would help reduce existing congestion and friction between Stacy Avenue and Clairemont Drive and provide additional parking adjacent to the administration building.
3. Convert the existing bus loading zone on Ute Drive east of Stacy Avenue to a 3-minute passenger loading zone. It is understood that this bus loading zone is in the process of being relocated to Clairemont Drive. This will shift pick-up and drop-off traffic east of Stacy Avenue, reducing congestion and traffic back-up at Clairemont Drive.
4. Construct a turn-around with double loop circulation utilizing the existing staff parking lot driveways on Ute Drive. Allow lefts out of the turn-around so people driving can return to Clairemont Drive. 20’ of red curb should be striped on each side of each driveway to improve sight distance for people walking and driving.

Ute Drive immediately east of Clairemont Drive was observed to be the preferred location for student pick-up and drop-off. However, many of the vehicles that utilize Ute Drive come from Clairemont Drive and attempt to return to Clairemont Drive, creating congestion just east of Clairemont Drive or encouraging illegal U-turns. The recommendations above, including construction of the proposed drop-off area with turnaround, would provide an opportunity for vehicles coming from Clairemont Drive to more safely and conveniently return to Clairemont Drive without increasing congestion along Ute Drive.

The project team analyzed the feasibility of Recommendation #4 (construct a turn-around utilizing the existing staff parking lot driveways) as relating to traffic operations. Sight distance for the proposed driveway exit was found to be adequate. It was measured to be 330’ to the west of the intersection and 400’ to the east of the intersection, meeting and exceeding the City of San Diego requirement of 280’ (AASTO Intersection Sight Distance, Left Turn, for 25mph). Additionally, an evaluation of the proposed driveway operations was conducted using the Highway Capacity Manual (HCM) 2010 Methodology. During the morning peak hour, it was found that up to 175 vehicles could use the driveway while maintaining an acceptable level of service per City of San Diego standards. During the afternoon peak hour, it was found that up to 250 vehicles could use the driveway while maintaining an acceptable level of service per City of San Diego standards. The Synchro analysis files are included in **Appendix D**. Based on the sight distance and projected operations, the proposed turn-around is expected to improve site circulation and access.

Figure 3-1
Improvement Recommendations



PLAN LEGEND

1. Install continental crosswalks on all legs of the intersection.
2. Convert the 3-minute passenger loading zone to regular curb parking.
3. Convert the bus loading zone to a 3-minute passenger loading zone.
4. Construct a turn-around with double loop circulation.

Key (Existing)
- Red Curb
- On-Street Parking
- 3 Min Passenger Loading
- Bus Loading
- TS Traffic Signal

Key (Proposed)
- On-Street Parking
- 3 Min Passenger Loading

APPENDIX A

EXISTING TRAFFIC COUNTS (MAY 2018)

Prepared by National Data & Surveying Services

SPEED

Clairemont Dr Bet. Ute Dr & Dakota Dr

Day: Tuesday
Date: 5/8/2018

City: San Diego
Project #: CA18_4166_001n

North Bound

Time	< 15	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64	65 - 69	70 +	Total
0:00 AM	0	0	0	0	6	5	0	0	0	0	0	0	0	11
0:15	0	0	0	1	5	4	0	0	0	0	0	0	0	10
0:30	0	0	0	2	4	0	1	0	0	0	0	0	0	7
0:45	0	0	0	1	1	3	0	0	0	0	0	0	0	5
1:00	0	0	0	0	0	1	1	1	0	0	0	0	0	3
1:15	0	0	0	2	0	1	0	0	0	0	0	0	0	3
1:30	0	0	0	1	0	2	1	0	0	0	0	0	0	4
1:45	0	0	1	1	1	0	1	1	0	0	0	0	0	5
2:00	0	0	0	0	0	1	1	1	0	0	0	0	0	3
2:15	0	0	0	0	0	4	0	0	0	0	0	0	0	4
2:30	0	0	0	0	0	2	0	0	0	0	0	0	0	2
2:45	0	0	1	0	0	0	0	0	0	0	0	0	0	1
3:00	0	0	0	1	1	1	1	0	0	0	0	0	0	4
3:15	0	0	0	0	4	1	0	0	0	0	0	0	0	5
3:30	0	0	0	3	0	1	1	0	0	0	0	0	0	5
3:45	0	0	0	0	1	6	1	1	0	0	0	0	0	9
4:00	0	0	0	1	1	2	0	0	1	0	0	0	0	5
4:15	0	0	0	0	0	1	1	0	0	0	0	0	0	2
4:30	0	0	0	2	0	3	0	1	0	0	0	0	0	6
4:45	0	0	0	0	0	5	3	0	0	0	0	0	0	8
5:00	0	0	0	1	5	7	3	0	0	0	0	0	0	16
5:15	0	0	1	1	6	3	3	1	0	0	0	0	0	15
5:30	0	0	0	1	11	12	3	0	0	0	0	0	0	27
5:45	0	0	0	1	14	11	6	0	0	0	0	0	0	32
6:00	0	0	2	9	10	16	7	0	0	0	0	0	0	44
6:15	0	1	0	3	6	21	6	1	0	0	0	0	0	38
6:30	1	0	2	8	23	34	11	3	0	0	0	0	0	82
6:45	0	0	0	6	33	27	9	1	0	0	0	0	0	76
7:00	0	0	1	11	81	61	10	2	1	0	0	0	0	167
7:15	0	0	4	24	44	44	14	2	1	0	0	0	0	133
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7:45	0	0	0	18	71	49	11	7	0	0	0	0	0	156
8:00	0	2	1	25	88	48	4	2	0	0	0	0	0	170
8:15	0	0	10	22	68	45	5	2	0	0	0	0	0	152
8:30	0	0	4	42	109	35	4	0	0	0	0	0	0	194
8:45	0	3	10	52	103	32	5	1	0	0	0	0	0	206
9:00	0	5	3	24	65	33	6	1	0	0	0	0	0	137
9:15	0	0	0	19	53	48	11	3	0	0	0	0	0	134
9:30	0	0	1	7	46	37	8	0	0	0	0	0	0	99
9:45	0	1	1	9	36	29	9	3	0	0	0	0	0	88
10:00	3	2	3	13	42	29	7	0	0	0	0	0	0	99
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12:00 PM	0	1	6	25	57	33	8	1	0	0	0	0	0	131
12:15	0	0	6	13	46	29	13	0	0	0	0	0	0	107
12:30	2	0	2	17	45	42	4	2	0	0	0	0	0	114
12:45	0	0	0	9	38	31	10	3	2	1	0	0	0	94
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13:30	0	0	2	16	59	47	9	2	0	0	0	0	0	135
13:45	1	1	6	33	56	33	9	2	1	0	0	0	0	142
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14:15	1	0	1	15	67	29	14	1	1	0	0	0	0	129
14:30	0	0	4	24	68	36	8	1	0	0	0	0	0	141
14:45	0	0	1	20	58	49	11	1	0	0	0	0	0	140
15:00	0	1	0	12	63	59	6	2	0	0	0	0	0	143
15:15	0	0	2	30	84	43	8	1	0	0	0	0	0	168
15:30	0	0	3	26	96	45	4	2	0	0	0	0	0	176
15:45	0	1	8	27	102	46	10	2	0	0	0	0	0	196
16:00	0	0	1	19	84	54	15	1	0	0	0	0	0	174
16:15	0	0	3	19	67	44	15	0	0	0	0	0	0	148
16:30	0	0	1	17	49	63	19	1	0	0	0	0	0	150
16:45	0	0	0	10	56	63	12	2	0	0	0	0	0	143

Prepared by National Data & Surveying Services

SPEED

Clairemont Dr Bet. Ute Dr & Dakota Dr

Day: Tuesday
Date: 5/8/2018

City: San Diego
Project #: CA18_4166_001n

North Bound

Time	< 15	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64	65 - 69	70 +	Total
17:00	0	1	0	16	42	51	27	4	1	0	0	0	0	**142**
17:15	0	0	1	15	57	50	6	2	0	0	0	0	0	**131**
17:30	0	1	4	25	49	52	18	1	0	0	0	0	0	**150**
17:45	0	1	0	9	65	66	20	0	0	0	0	0	0	**161**
18:00	0	0	0	19	44	44	11	4	0	0	0	0	0	**122**
18:15	0	0	3	7	49	38	6	1	1	0	0	0	0	**105**
18:30	0	0	1	14	51	39	14	2	0	0	0	0	0	**121**
18:45	0	0	1	6	32	49	12	2	2	0	0	0	0	**104**
19:00	0	0	0	10	44	33	7	3	1	0	0	0	0	**98**
19:15	0	0	4	5	52	47	16	0	0	0	0	0	0	**124**
19:30	1	0	1	15	51	26	6	0	0	0	0	0	0	**100**
19:45	0	1	1	12	47	27	11	2	0	0	0	0	0	**101**
20:00	0	0	0	12	27	36	11	2	0	0	0	0	0	**88**
20:15	0	0	0	7	33	21	6	0	0	0	0	0	0	**67**
20:30	0	0	0	6	33	18	3	0	0	0	0	0	0	**60**
20:45	0	0	1	5	22	16	4	2	0	0	0	0	0	**50**
21:00	0	0	1	11	16	16	3	1	1	0	0	0	0	**49**
21:15	0	0	0	3	26	16	7	0	0	0	0	0	0	**52**
21:30	0	0	0	2	14	18	1	0	0	0	0	0	0	**35**
21:45	0	0	0	1	25	21	2	2	0	0	0	0	0	**51**
22:00	0	0	0	4	15	14	8	1	0	0	0	0	0	**42**
22:15	0	0	0	5	14	10	2	1	1	0	0	0	0	**33**
22:30	0	0	1	2	8	10	1	0	0	0	0	0	0	**22**
22:45	1	0	0	5	10	3	1	1	0	0	0	0	0	**21**
23:00	0	0	0	4	8	11	3	0	0	0	0	0	0	**26**
23:15	0	0	0	3	11	10	1	1	0	0	0	0	0	**26**
23:30	0	0	2	0	2	5	4	0	0	0	0	0	0	**13**
23:45	0	0	0	0	5	5	2	0	0	0	0	0	0	**12**
Totals	**11**	**22**	**129**	**995**	**3391**	**2584**	**640**	**108**	**14**	**1**				**7895**
% of Totals	0%	0%	2%	13%	43%	33%	8%	1%	0%	0%				100%

AM Volumes	5	14	57	393	1298	966	228	49	3	0	0	0	0	3013
% AM	0%	0%	1%	5%	16%	12%	3%	1%	0%					38%
AM Peak Hour	9:15	8:15	8:15	8:00	8:00	7:00	7:00	7:00	6:30					8:00
Volume	3	8	27	141	368	209	54	16	2					722
PM Volumes	6	8	72	602	2093	1618	412	59	11	1	0	0	0	4882
% PM	0%	0%	1%	8%	27%	20%	5%	1%	0%	0%				62%
PM Peak Hour	12:00	17:00	15:30	15:15	15:15	16:30	16:15	16:30	18:15	12:00				15:15
Volume	2	3	15	102	366	227	73	9	4	1				714

Directional Peak Periods	**AM 7-9**			**NOON 12-2**			**PM 4-6**			**Off Peak Volumes**		
All Classes	Volume	↔	%	Volume	↔	%	Volume	↔	%	Volume	↔	%
	1328		17%	954		12%	1199		15%	4414		56%

Street Name	Direction	Percentiles					
		15th	50th	Average	85th	95th	ADT
Clairemont Dr	North Bound	30	34	34	39	43	7895
Clairemont Dr	South Bound	26	32	31	36	39	8391

Prepared by NDS/ATD

VOLUME

Clairemont Dr N/O Ute Dr

Day: Tuesday
Date: 5/8/2018

City: San Diego
Project #: CA18_4166_002

DAILY TOTALS	NB	SB	EB	WB	Total
	9,680	9,881	0	0	19,561

AM Period	NB		SB		EB	WB	TOTAL		PM Period	NB		SB		EB	WB	TOTAL	
0:00	14		10				24		12:00	161		129				290	
0:15	12		15				27		12:15	137		129				266	
0:30	7		11				18		12:30	151		131				282	
0:45	6	39	11	47			17	86	12:45	117	566	124	513			241	1079
1:00	4		9				13		13:00	137		133				270	
1:15	4		2				6		13:15	154		142				296	
1:30	6		4				10		13:30	170		142				312	
1:45	3	17	5	20			8	37	13:45	180	641	162	579			342	1220
2:00	5		5				10		14:00	158		189				347	
2:15	4		9				13		14:15	193		161				354	
2:30	3		5				8		14:30	171		184				355	
2:45	2	14	6	25			8	39	14:45	169	691	165	699			334	1390
3:00	4		2				6		15:00	162		179				341	
3:15	6		4				10		15:15	145		251				396	
3:30	5		7				12		15:30	213		259				472	
3:45	12	27	5	18			17	45	15:45	292	812	219	908			511	1720
4:00	6		6				12		16:00	191		199				390	
4:15	3		1				4		16:15	199		237				436	
4:30	13		2				15		16:30	210		247				457	
4:45	10	32	8	17			18	49	16:45	182	782	259	942			441	1724
5:00	12		9				21		17:00	193		244				437	
5:15	27		13				40		17:15	150		276				426	
5:30	30		15				45		17:30	195		277				472	
5:45	44	113	22	59			66	172	17:45	188	726	290	1087			478	1813
6:00	53		29				82		18:00	148		247				395	
6:15	47		41				88		18:15	141		215				356	
6:30	96		53				149		18:30	146		213				359	
6:45	106	302	69	192			175	494	18:45	130	565	167	842			297	1407
7:00	171		150				321		19:00	123		138				261	
7:15	207		127				334		19:15	138		149				287	
7:30	158		116				274		19:30	123		104				227	
7:45	164	700	135	528			299	1228	19:45	113	497	112	503			225	1000
8:00	197		112				309		20:00	97		114				211	
8:15	196		141				337		20:15	69		100				169	
8:30	208		213				421		20:30	74		68				142	
8:45	259	860	183	649			442	1509	20:45	65	305	77	359			142	664
9:00	145		112				257		21:00	70		77				147	
9:15	154		120				274		21:15	64		49				113	
9:30	126		124				250		21:30	37		59				96	
9:45	117	542	116	472			233	1014	21:45	57	228	51	236			108	464
10:00	122		104				226		22:00	43		51				94	
10:15	124		98				222		22:15	28		34				62	
10:30	129		100				229		22:30	25		35				60	
10:45	135	510	132	434			267	944	22:45	26	122	47	167			73	289
11:00	122		113				235		23:00	27		29				56	
11:15	119		108				227		23:15	27		27				54	
11:30	130		129				259		23:30	19		25				44	
11:45	135	506	129	479			264	985	23:45	10	83	25	106			35	189
TOTALS		3662		2940				**6602**	**TOTALS**		6018		6941				**12959**
SPLIT %		55.5%		44.5%				**33.8%**	**SPLIT %**		46.4%		53.6%				**66.2%**

DAILY TOTALS	NB	SB	EB	WB	Total
	9,680	9,881	0	0	19,561

AM Peak Hour	8:00	8:00				**8:00**	**PM Peak Hour**	15:30	17:15				**17:00**
AM Pk Volume	860	649				**1509**	**PM Pk Volume**	895	1090				**1813**
Pk Hr Factor	0.830	0.762				**0.854**	**Pk Hr Factor**	0.766	0.940				**0.948**
7 - 9 Volume	1560	1177	0	0		**2737**	**4 - 6 Volume**	1508	2029	0	0		**3537**
7 - 9 Peak Hour	8:00	8:00				**8:00**	**4 - 6 Peak Hour**	16:15	17:00				**17:00**
7 - 9 Pk Volume	860	649	0	0		**1509**	**4 - 6 Pk Volume**	784	1087	0	0		**1813**
Pk Hr Factor	0.830	0.762	0.000	0.000		**0.854**	**Pk Hr Factor**	0.933	0.937	0.000	0.000		**0.948**

Prepared by National Data & Surveying Services

SPEED

Ute Dr Bet. Clairemont Dr & Waco St

Day: Tuesday
Date: 5/8/2018

City: San Diego
Project #: CA18_4166_004e

East Bound

Time	< 15	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64	65 - 69	70 +	Total
0:00 AM	0	0	1	1	0	0	0	0	0	0	0	0	0	2
0:15	0	2	1	0	0	0	0	0	0	0	0	0	0	3
0:30	0	1	0	0	0	0	0	0	0	0	0	0	0	1
0:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3:30	0	0	1	0	0	0	0	0	0	0	0	0	0	1
3:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:15	0	0	1	0	0	0	0	0	0	0	0	0	0	1
4:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:00	0	0	1	1	0	0	0	0	0	0	0	0	0	2
5:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:00	0	0	1	0	0	0	0	0	0	0	0	0	0	1
6:15	1	0	2	0	0	0	0	0	0	0	0	0	0	3
6:30	0	1	0	0	0	0	0	0	0	0	0	0	0	1
6:45	1	0	0	0	0	0	0	0	0	0	0	0	0	1
7:00	0	4	1	0	0	0	0	0	0	0	0	0	0	5
7:15	0	1	1	1	0	0	0	0	0	0	0	0	0	3
7:30	2	2	4	1	0	0	0	0	0	0	0	0	0	9
7:45	3	1	4	0	0	0	0	0	0	0	0	0	0	8
8:00	1	4	0	1	0	0	0	0	0	0	0	0	0	6
8:15	1	7	5	0	0	0	0	0	0	0	0	0	0	13
8:30	7	23	11	0	0	0	0	0	0	0	0	0	0	41
8:45	5	25	20	1	0	0	0	0	0	0	0	0	0	51
9:00	2	1	5	1	0	0	0	0	0	0	0	0	0	9
9:15	3	0	6	0	0	0	0	0	0	0	0	0	0	9
9:30	0	2	4	0	0	0	0	0	0	0	0	0	0	6
9:45	3	1	4	0	0	0	0	0	0	0	0	0	0	8
10:00	0	0	2	0	0	0	0	0	0	0	0	0	0	2
10:15	0	1	3	1	0	0	0	0	0	0	0	0	0	5
10:30	2	2	6	1	0	0	0	0	0	0	0	0	0	11
10:45	1	2	1	0	0	0	0	0	0	0	0	0	0	4
11:00	2	2	2	1	0	0	0	0	0	0	0	0	0	7
11:15	2	0	4	1	0	0	0	0	0	0	0	0	0	7
11:30	0	0	2	1	0	0	0	0	0	0	0	0	0	3
11:45	0	4	5	2	0	0	0	0	0	0	0	0	0	11
12:00 PM	2	1	4	2	0	0	0	0	0	0	0	0	0	9
12:15	0	3	3	1	0	0	0	0	0	0	0	0	0	7
12:30	0	1	6	1	0	0	0	0	0	0	0	0	0	8
12:45	1	2	2	1	0	0	0	0	0	0	0	0	0	6
13:00	0	2	1	1	0	0	0	0	0	0	0	0	0	4
13:15	0	3	6	0	0	0	0	0	0	0	0	0	0	9
13:30	0	3	2	1	0	0	0	0	0	0	0	0	0	6
13:45	1	2	3	0	0	0	0	0	0	0	0	0	0	6
14:00	1	2	3	2	1	0	0	0	0	0	0	0	0	9
14:15	0	4	5	2	0	0	0	0	0	0	0	0	0	11
14:30	2	1	8	0	0	0	0	0	0	0	0	0	0	11
14:45	1	1	2	2	0	0	0	0	0	0	0	0	0	6
15:00	1	2	2	0	0	0	0	0	0	0	0	0	0	5
15:15	4	6	2	0	0	0	0	0	0	0	0	0	0	12
15:30	19	15	4	0	0	0	0	0	0	0	0	0	0	38
15:45	8	12	13	5	0	0	0	0	0	0	0	0	0	38
16:00	2	1	6	0	0	0	0	0	0	0	0	0	0	9
16:15	1	0	5	4	0	0	0	0	0	0	0	0	0	10
16:30	0	2	8	6	0	0	0	0	0	0	0	0	0	16
16:45	0	0	8	2	0	0	0	0	0	0	0	0	0	10

Prepared by National Data & Surveying Services

SPEED

Ute Dr Bet. Clairemont Dr & Waco St

Day: Tuesday
Date: 5/8/2018

City: San Diego
Project #: CA18_4166_004e

East Bound

Time	< 15	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64	65 - 69	70 +	Total
17:00	0	1	8	2	0	0	0	0	0	0	0	0	0	**11**
17:15	0	4	6	4	0	0	0	0	0	0	0	0	0	**14**
17:30	1	0	10	3	0	0	0	0	0	0	0	0	0	**14**
17:45	1	2	10	0	0	0	0	0	0	0	0	0	0	**13**
18:00	1	1	5	5	0	0	0	0	0	0	0	0	0	**12**
18:15	0	2	9	3	0	0	0	0	0	0	0	0	0	**14**
18:30	0	2	5	3	0	0	0	0	0	0	0	0	0	**10**
18:45	1	0	3	3	1	0	0	0	0	0	0	0	0	**8**
19:00	0	1	2	1	0	0	0	0	0	0	0	0	0	**4**
19:15	1	1	4	1	0	0	0	0	0	0	0	0	0	**7**
19:30	0	2	4	0	0	0	0	0	0	0	0	0	0	**6**
19:45	0	0	4	1	0	0	0	0	0	0	0	0	0	**5**
20:00	0	1	2	1	0	0	0	0	0	0	0	0	0	**4**
20:15	0	1	5	0	0	0	0	0	0	0	0	0	0	**6**
20:30	0	1	1	3	0	0	0	0	0	0	0	0	0	**5**
20:45	0	4	1	1	0	0	0	0	0	0	0	0	0	**6**
21:00	0	1	1	2	0	0	0	0	0	0	0	0	0	**4**
21:15	0	0	2	3	0	0	0	0	0	0	0	0	0	**5**
21:30	0	3	3	1	0	0	0	0	0	0	0	0	0	**7**
21:45	0	0	0	1	0	0	0	0	0	0	0	0	0	**1**
22:00	0	1	3	1	0	0	0	0	0	0	0	0	0	**5**
22:15	1	0	0	0	0	0	0	0	0	0	0	0	0	**1**
22:30	0	0	1	0	0	0	0	0	0	0	0	0	0	**1**
22:45	0	0	0	1	0	0	0	0	0	0	0	0	0	**1**
23:00	1	0	1	0	0	0	0	0	0	0	0	0	0	**2**
23:15	0	0	2	0	0	0	0	0	0	0	0	0	0	**2**
23:30	0	0	1	0	0	0	0	0	0	0	0	0	0	**1**
23:45	0	0	1	0	0	0	0	0	0	0	0	0	0	**1**
Totals	**86**	**177**	**285**	**84**	**2**									**634**
% of Totals	14%	28%	45%	13%	0%									100%

AM Volumes	36	86	98	14	0	0	0	0	0	0	0	0	0	234
% AM	6%	14%	15%	2%										37%
AM Peak Hour	8:30	8:00	8:30	11:15										8:15
Volume	17	59	42	6										114
PM Volumes	50	91	187	70	2	0	0	0	0	0	0	0	0	400
% PM	8%	14%	29%	11%	0%									63%
PM Peak Hour	15:15	15:00	17:00	15:45	13:15									15:15
Volume	33	35	34	15	1									97

Directional Peak Periods	**AM 7-9**			**NOON 12-2**			**PM 4-6**			**Off Peak Volumes**		
All Classes	Volume	↔	%	Volume	↔	%	Volume	↔	%	Volume	↔	%
	136		21%	55		9%	97		15%	346		55%

Street Name	Direction	Percentiles					
		15th	50th	Average	85th	95th	ADT
Ute Dr	East Bound	15	21	20	25	28	634
Ute Dr	West Bound	16	21	21	26	29	633

Prepared by National Data & Surveying Services

SPEED

Waco St Bet. Ute Dr & Dakota Dr

Day: Tuesday
Date: 5/8/2018

City: San Diego
Project #: CA18_4166_005n

North Bound

Time	< 15	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64	65 - 69	70 +	Total
0:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1:00	2	0	0	0	0	0	0	0	0	0	0	0	0	2
1:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2:00	1	1	0	0	0	0	0	0	0	0	0	0	0	2
2:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3:00	0	1	0	0	0	0	0	0	0	0	0	0	0	1
3:15	1	0	0	0	0	0	0	0	0	0	0	0	0	1
3:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3:45	0	1	0	0	0	0	0	0	0	0	0	0	0	1
4:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:45	1	0	0	0	1	0	0	0	0	0	0	0	0	2
6:00	0	0	1	0	0	0	0	0	0	0	0	0	0	1
6:15	0	1	0	0	0	0	0	0	0	0	0	0	0	1
6:30	1	0	1	0	0	0	0	0	0	0	0	0	0	2
6:45	1	1	1	0	0	0	0	0	0	0	0	0	0	3
7:00	0	2	7	2	0	0	0	0	0	0	0	0	0	11
7:15	0	0	5	1	0	0	0	0	0	0	0	0	0	6
7:30	0	1	3	0	1	0	0	0	0	0	0	0	0	5
7:45	0	0	3	2	0	0	0	0	0	0	0	0	0	5
8:00	0	4	1	0	0	0	0	0	0	0	0	0	0	5
8:15	1	2	4	0	0	0	0	0	0	0	0	0	0	7
8:30	0	11	19	1	0	0	0	0	0	0	0	0	0	31
8:45	2	4	9	1	0	0	0	0	0	0	0	0	0	16
9:00	1	2	1	0	0	0	0	0	0	0	0	0	0	4
9:15	0	5	4	0	0	0	0	0	0	0	0	0	0	9
9:30	1	1	1	0	0	0	0	0	0	0	0	0	0	3
9:45	1	1	1	1	0	0	0	0	0	0	0	0	0	4
10:00	0	0	1	1	0	0	0	0	0	0	0	0	0	2
10:15	0	1	1	0	0	0	0	0	0	0	0	0	0	2
10:30	0	0	1	0	0	0	0	0	0	0	0	0	0	1
10:45	0	2	2	2	0	0	0	0	0	0	0	0	0	6
11:00	0	2	2	0	0	0	0	0	0	0	0	0	0	4
11:15	0	0	1	2	0	0	0	0	0	0	0	0	0	3
11:30	1	1	2	0	0	0	0	0	0	0	0	0	0	4
11:45	0	2	0	0	0	0	0	0	0	0	0	0	0	2
12:00 PM	1	2	1	0	0	0	0	0	0	0	0	0	0	4
12:15	0	2	3	0	1	0	0	0	0	0	0	0	0	6
12:30	1	0	2	0	0	0	0	0	0	0	0	0	0	3
12:45	1	2	0	0	0	0	0	0	0	0	0	0	0	3
13:00	0	0	2	0	0	0	0	0	0	0	0	0	0	2
13:15	1	1	2	0	0	0	0	0	0	0	0	0	0	4
13:30	0	1	2	1	0	0	0	0	0	0	0	0	0	4
13:45	0	3	2	0	0	0	0	0	0	0	0	0	0	5
14:00	0	2	1	1	0	0	0	0	0	0	0	0	0	4
14:15	0	1	3	1	1	0	0	0	0	0	0	0	0	6
14:30	0	3	1	0	0	0	0	0	0	0	0	0	0	4
14:45	0	1	2	1	0	0	0	0	0	0	0	0	0	4
15:00	0	1	1	1	1	0	0	0	0	0	0	0	0	4
15:15	0	4	5	4	0	0	0	0	0	0	0	0	0	13
15:30	1	5	8	8	0	0	0	0	0	0	0	0	0	22
15:45	0	3	5	1	1	0	0	0	0	0	0	0	0	10
16:00	1	2	3	2	0	0	0	0	0	0	0	0	0	8
16:15	0	1	7	0	0	0	0	0	0	0	0	0	0	8
16:30	1	1	0	0	0	0	0	0	0	0	0	0	0	2
16:45	0	3	3	0	0	0	0	0	0	0	0	0	0	6

Prepared by National Data & Surveying Services

SPEED

Waco St Bet. Ute Dr & Dakota Dr

Day: Tuesday
Date: 5/8/2018

City: San Diego
Project #: CA18_4166_005n

North Bound

Time	< 15	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64	65 - 69	70 +	Total
17:00	0	2	3	0	0	0	0	0	0	0	0	0	0	**5**
17:15	0	1	3	0	0	0	0	0	0	0	0	0	0	**4**
17:30	0	2	1	1	0	0	0	0	0	0	0	0	0	**4**
17:45	1	3	4	0	0	0	0	0	0	0	0	0	0	**8**
18:00	1	1	2	1	0	0	0	0	0	0	0	0	0	**5**
18:15	0	1	1	0	0	0	0	0	0	0	0	0	0	**2**
18:30	2	0	0	2	0	0	0	0	0	0	0	0	0	**4**
18:45	0	0	1	0	0	0	0	0	0	0	0	0	0	**1**
19:00	0	4	1	1	0	0	0	0	0	0	0	0	0	**6**
19:15	0	3	1	0	0	0	0	0	0	0	0	0	0	**4**
19:30	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
19:45	0	0	1	0	0	0	0	0	0	0	0	0	0	**1**
20:00	0	1	0	0	0	0	0	0	0	0	0	0	0	**1**
20:15	1	3	0	0	0	0	0	0	0	0	0	0	0	**4**
20:30	1	0	1	0	0	0	0	0	0	0	0	0	0	**2**
20:45	1	0	2	0	0	0	0	0	0	0	0	0	0	**3**
21:00	2	0	0	0	0	0	0	0	0	0	0	0	0	**2**
21:15	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
21:30	0	2	0	0	0	0	0	0	0	0	0	0	0	**2**
21:45	1	1	1	0	0	0	0	0	0	0	0	0	0	**3**
22:00	4	3	0	0	0	0	0	0	0	0	0	0	0	**7**
22:15	0	0	0	1	0	0	0	0	0	0	0	0	0	**1**
22:30	0	0	1	0	0	0	0	0	0	0	0	0	0	**1**
22:45	1	1	1	0	0	0	0	0	0	0	0	0	0	**3**
23:00	2	0	1	0	0	0	0	0	0	0	0	0	0	**3**
23:15	0	0	1	0	0	0	0	0	0	0	0	0	0	**1**
23:30	4	1	0	0	0	0	0	0	0	0	0	0	0	**5**
23:45	3	0	0	0	0	0	0	0	0	0	0	0	0	**3**
Totals	**45**	**113**	**150**	**39**	**6**									**353**
% of Totals	13%	32%	42%	11%	2%									100%

AM Volumes	14	46	71	13	2	0	0	0	0	0	0	0	0	146
% AM	4%	13%	20%	4%	1%									41%
AM Peak Hour	8:15	8:30	8:00	7:00	5:00									8:30
Volume	4	22	33	5	1									60
PM Volumes	31	67	79	26	4	0	0	0	0	0	0	0	0	207
% PM	9%	19%	22%	7%	1%									59%
PM Peak Hour	23:00	15:15	15:30	15:15	14:15									15:15
Volume	9	14	23	15	2									53

Directional Peak Periods	**AM 7-9**			**NOON 12-2**			**PM 4-6**			**Off Peak Volumes**		
All Classes	Volume	↔	%	Volume	↔	%	Volume	↔	%	Volume	↔	%
	86		24%	31		9%	45		13%	191		54%

Street Name	Direction	Percentiles					
		15th	50th	Average	85th	95th	ADT
Waco St	North Bound	15	21	20	25	29	353
Waco St	South Bound	15	19	19	24	26	388

National Data & Surveying Services

Intersection Turning Movement Count

Location: Clairemont Dr & Ute Dr
City: San Diego
Control: Signalized

Project ID: 18-04167-001
Date: 5/8/2018

Total

NS/EW Streets:	Clairemont Dr				Clairemont Dr				Ute Dr				Ute Dr				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	2	0	0	1	2	0	0	0	1	0	0	0	1	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	51	104	1	4	9	47	76	3	41	3	31	0	3	6	14	0	393
7:15 AM	29	129	0	2	9	72	61	7	65	3	33	0	2	11	14	0	437
7:30 AM	4	126	2	3	9	85	10	4	16	4	9	0	3	3	16	0	294
7:45 AM	8	120	5	7	12	110	10	4	12	3	9	0	3	2	17	0	322
8:00 AM	10	171	5	4	10	75	16	7	14	3	4	0	5	3	16	0	343
8:15 AM	6	132	2	6	30	91	12	6	21	1	8	0	3	1	35	0	354
8:30 AM	4	149	15	13	50	138	12	8	22	15	1	0	10	2	35	0	474
8:45 AM	10	178	13	12	57	117	13	9	23	17	10	0	19	10	59	0	547
8-9am SUM	30	630	35	35	147	421	53	30	80	36	23	0	37	16	145	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	122	1109	43	51	186	735	210	48	214	49	105	0	48	38	206	0	3164
APPROACH %'s :	9.21%	83.70%	3.25%	3.85%	15.78%	62.34%	17.81%	4.07%	58.15%	13.32%	28.53%	0.00%	16.44%	13.01%	70.55%	0.00%	
PEAK HR :	08:00 AM - 09:00 AM																TOTAL
PEAK HR VOL :	30	630	35	35	147	421	53	30	80	36	23	0	37	16	145	0	1718
PEAK HR FACTOR :	0.750	0.885	0.583	0.673	0.645	0.763	0.828	0.833	0.870	0.529	0.575	0.000	0.487	0.400	0.614	0.000	0.785
		0.857				0.782				0.695				0.563			

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	2	0	0	1	2	0	0	0	1	0	0	0	1	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
2:30 PM	8	111	6	8	15	137	23	6	25	3	13	0	3	1	13	0	372
2:45 PM	9	129	1	5	16	128	12	5	23	1	10	0	3	0	15	0	357
3:00 PM	6	123	5	0	12	152	19	8	20	1	11	0	3	3	11	0	374
3:15 PM	4	116	8	6	30	163	19	12	11	5	8	0	4	1	7	0	394
3:30 PM	5	149	8	8	43	195	24	13	23	5	11	0	6	3	34	0	527
3:45 PM	10	201	13	8	19	170	23	4	24	11	17	0	9	4	48	0	561
4:00 PM	8	156	4	3	8	198	11	5	18	2	11	0	3	2	18	0	447
4:15 PM	6	145	1	3	17	175	21	7	26	1	16	0	5	0	18	0	441
3:30-4:30pm SUM	29	651	26	22	87	738	79	29	91	19	55	0	23	9	118	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	56	1130	46	41	160	1318	152	60	170	29	97	0	36	14	164	0	3473
APPROACH %'s :	4.40%	88.77%	3.61%	3.22%	9.47%	77.99%	8.99%	3.55%	57.43%	9.80%	32.77%	0.00%	16.82%	6.54%	76.64%	0.00%	
PEAK HR :	03:30 PM - 04:30 PM																TOTAL
PEAK HR VOL :	29	651	26	22	87	738	79	29	91	19	55	0	23	9	118	0	1976
PEAK HR FACTOR :	0.725	0.810	0.500	0.688	0.506	0.932	0.823	0.558	0.875	0.432	0.809	0.000	0.639	0.563	0.615	0.000	0.881
		0.784				0.848				0.793				0.615			

National Data & Surveying Services

Intersection Turning Movement Count

Location: Clairemont Dr & Ute Dr
City: San Diego
Control: Signalized

Project ID: 18-04167-001
Date: 5/8/2018

Bikes

NS/EW Streets:	Clairemont Dr				Clairemont Dr				Ute Dr				Ute Dr				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	2	0	0	1	2	0	0	0	1	0	0	0	1	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	1	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	3
7:15 AM	2	2	0	0	0	0	1	0	0	0	1	0	0	1	0	0	7
7:30 AM	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	2
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:15 AM	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
8:30 AM	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2
8:45 AM	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
8-9am SUM	0	1	0	0	2	1	0	0	0	0	0	0	0	0	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	3	3	0	0	2	1	2	0	0	0	2	0	1	2	0	0	16
APPROACH %'s :	50.00%	50.00%	0.00%	0.00%	40.00%	20.00%	40.00%	0.00%	0.00%	0.00%	100.00%	0.00%	33.33%	66.67%	0.00%	0.00%	
PEAK HR :	08:00 AM - 09:00 AM																TOTAL
PEAK HR VOL :	0	1	0	0	2	1	0	0	0	0	0	0	0	0	0	0	4
PEAK HR FACTOR :	0.000	0.250	0.000	0.000	0.500	0.250	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500
	0.250				0.375												

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	2	0	0	1	2	0	0	0	1	0	0	0	1	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
2:30 PM	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	2
2:45 PM	0	2	0	0	0	0	0	0	0	0	2	0	0	0	0	0	4
3:00 PM	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
3:15 PM	0	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	3
3:30 PM	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
3:45 PM	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2
4:00 PM	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2
4:15 PM	0	3	0	0	0	1	0	0	0	0	0	0	0	0	0	0	4
3:30-4:30pm SUM	0	4	0	0	0	3	0	0	1	0	0	0	0	0	1	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	0	8	1	0	0	6	0	0	1	0	2	0	0	0	1	0	19
APPROACH %'s :	0.00%	88.89%	11.11%	0.00%	0.00%	100.00%	0.00%	0.00%	33.33%	0.00%	66.67%	0.00%	0.00%	0.00%	100.00%	0.00%	
PEAK HR :	03:30 PM - 04:30 PM																TOTAL
PEAK HR VOL :	0	4	0	0	0	3	0	0	1	0	0	0	0	0	1	0	9
PEAK HR FACTOR :	0.00	0.333	0.000	0.000	0.000	0.375	0.000	0.000	0.250	0.000	0.000	0.000	0.000	0.000	0.250	0.000	0.563
	0.333				0.375				0.250				0.250				

National Data & Surveying Services

Intersection Turning Movement Count

Location: Clairemont Dr & Ute Dr
City: San Diego

Project ID: 18-04167-001
Date: 5/8/2018

Pedestrians (Crosswalks)

NS/EW Streets:	Clairemont Dr		Clairemont Dr		Ute Dr		Ute Dr		
AM	NORTH LEG		SOUTH LEG		EAST LEG		WEST LEG		
	EB	WB	EB	WB	NB	SB	NB	SB	TOTAL
7:00 AM	0	4	1	6	0	0	2	0	13
7:15 AM	0	5	2	0	0	0	3	1	11
7:30 AM	0	1	0	4	0	0	0	0	5
7:45 AM	0	1	1	0	0	1	0	2	5
8:00 AM	0	0	2	0	1	2	0	0	5
8:15 AM	4	1	2	0	0	3	0	0	10
8:30 AM	3	0	7	2	0	11	0	0	23
8:45 AM	1	0	6	3	2	7	0	2	21
8-9am SUM	8	1	17	5	3	23	0	2	
	EB	WB	EB	WB	NB	SB	NB	SB	TOTAL
TOTAL VOLUMES :	8	12	21	15	3	24	5	5	93
APPROACH %'s :	40.00%	60.00%	58.33%	41.67%	11.11%	88.89%	50.00%	50.00%	
PEAK HR :	08:00 AM - 09:00 AM								TOTAL
PEAK HR VOL :	8	1	17	5	3	23	0	2	59
PEAK HR FACTOR :	0.500	0.250	0.607	0.417	0.375	0.523		0.250	0.641
	0.450		0.611		0.591		0.250		

PM	NORTH LEG		SOUTH LEG		EAST LEG		WEST LEG		
	EB	WB	EB	WB	NB	SB	NB	SB	TOTAL
2:30 PM	1	0	0	0	3	0	1	0	5
2:45 PM	0	1	0	1	1	1	1	1	6
3:00 PM	1	0	2	2	1	0	0	0	6
3:15 PM	0	0	5	0	0	0	0	0	5
3:30 PM	3	6	3	44	37	0	4	0	97
3:45 PM	3	0	1	4	2	1	3	4	18
4:00 PM	3	0	3	0	3	0	0	2	11
4:15 PM	0	0	0	2	1	6	2	1	12
3:30-4:30pm SUM	9	6	7	50	43	7	9	7	
	EB	WB	EB	WB	NB	SB	NB	SB	TOTAL
TOTAL VOLUMES :	11	7	14	53	48	8	11	8	160
APPROACH %'s :	61.11%	38.89%	20.90%	79.10%	85.71%	14.29%	57.89%	42.11%	
PEAK HR :	03:30 PM - 04:30 PM								TOTAL
PEAK HR VOL :	9	6	7	50	43	7	9	7	138
PEAK HR FACTOR :	0.750	0.250	0.583	0.284	0.291	0.292	0.563	0.438	0.356
	0.417		0.303		0.338		0.571		

Prepared by National Data & Surveying Services

Clairemont Dr & Ute Dr

Peak Hour Turning Movement Count

ID: 18-04167-001
City: San Diego

Day: Tuesday
Date: 05/08/2018

PEAK HOURS

AM	08:00 AM - 09:00 AM
NOON	NONE
PM	03:30 PM - 04:30 PM

COUNT PERIODS

AM	07:00 AM - 09:00 AM
NOON	NONE
PM	02:30 PM - 04:30 PM

Clairemont Dr — SOUTHBOUND

AM	53	421	147	30	885	AM
NOON	0	0	0	0	0	NOON
PM	79	738	87	29	889	PM
	0	2	1	0		

Ute Dr — EASTBOUND

AM	NOON	PM	
99	0	117	⇦
0	0	0	0
80	0	91	0
36	0	19	1
23	0	55	0
AM	NOON	PM	

CONTROL

Signalized

TEV	1718 AM	0 NOON	1976 PM
PHF	0.79		0.88

Ute Dr — WESTBOUND

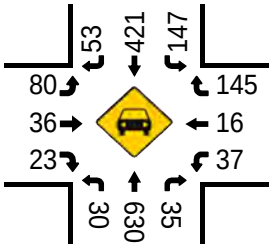
PM	NOON	AM	
118	0	145	0
9	0	16	1
23	0	37	0
0	0	0	0
132	0	218	⇨
PM	NOON	AM	

0 1 2 0

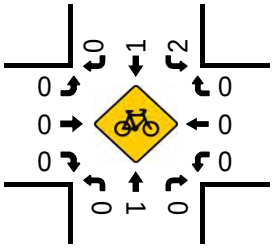
Clairemont Dr — NORTHBOUND

PM	838	22	29	651	26	PM
NOON	0	0	0	0	0	NOON
AM	516	35	30	630	35	AM

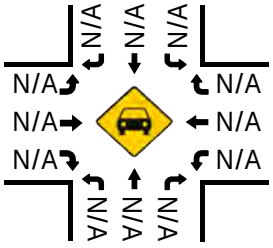
Total Vehicles (AM)



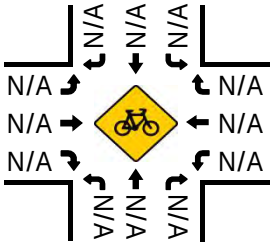
Bikes (AM)



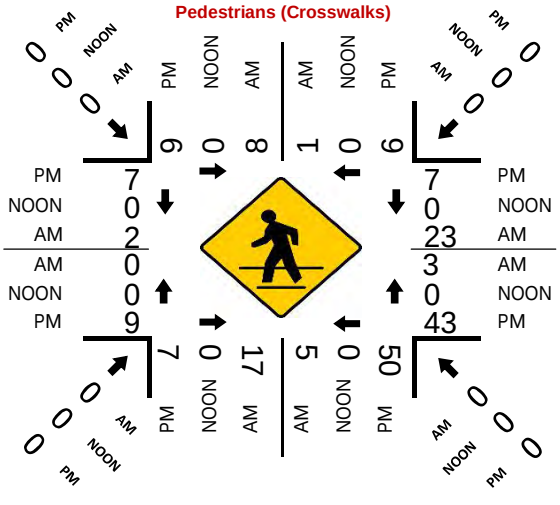
Total Vehicles (Noon)



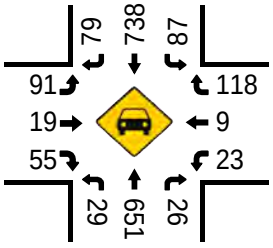
Bikes (NOON)



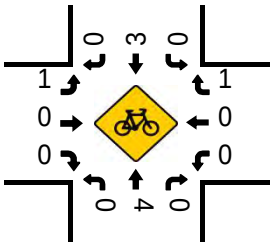
Pedestrians (Crosswalks)



Total Vehicles (PM)



Bikes (PM)



National Data & Surveying Services

Intersection Turning Movement Count

Location: Clairemont Dr & Dakota Dr
City: San Diego
Control: Signalized

Project ID: 18-04167-002
Date: 5/8/2018

Total

NS/EW Streets:	Clairemont Dr				Clairemont Dr				Dakota Dr				Dakota Dr				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	2	0	0	1	2	0	0	0	1	0	0	0	1	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	3	129	3	0	4	74	3	0	18	0	12	0	13	0	14	0	273
7:15 AM	4	94	1	1	3	76	5	2	12	1	6	0	9	1	15	0	230
7:30 AM	2	115	4	0	2	86	5	1	16	0	5	0	14	0	20	0	270
7:45 AM	0	121	5	0	1	98	4	6	8	1	11	0	10	0	20	0	285
8:00 AM	0	140	10	0	7	63	0	2	8	1	7	0	6	0	23	0	267
8:15 AM	2	126	8	0	5	90	4	5	11	1	6	0	18	0	15	0	291
8:30 AM	2	164	16	0	9	155	1	4	11	0	7	0	33	0	30	0	432
8:45 AM	3	139	11	1	6	106	3	9	7	0	7	0	28	0	32	0	352
8-9am SUM	7	569	45	1	27	414	8	20	37	2	27	0	85	0	100	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	16	1028	58	2	37	748	25	29	91	4	61	0	131	1	169	0	2400
APPROACH %'s :	1.45%	93.12%	5.25%	0.18%	4.41%	89.15%	2.98%	3.46%	58.33%	2.56%	39.10%	0.00%	43.52%	0.33%	56.15%	0.00%	
PEAK HR :	08:00 AM - 09:00 AM																TOTAL
PEAK HR VOL :	7	569	45	1	27	414	8	20	37	2	27	0	85	0	100	0	1342
PEAK HR FACTOR :	0.583	0.867	0.703	0.250	0.750	0.668	0.500	0.556	0.841	0.500	0.964	0.000	0.644	0.000	0.781	0.000	0.777
	0.854				0.694				0.917				0.734				

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	2	0	0	1	2	0	0	0	1	0	0	0	1	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
2:30 PM	6	113	9	1	9	116	9	10	9	0	2	0	10	1	14	0	309
2:45 PM	5	109	6	1	3	115	9	3	11	1	9	0	5	0	9	0	286
3:00 PM	7	119	8	1	13	157	10	2	3	0	4	0	17	0	10	0	351
3:15 PM	7	140	13	0	13	149	7	8	13	0	5	0	8	0	13	0	376
3:30 PM	8	146	18	0	6	188	15	9	8	1	14	0	34	1	19	0	467
3:45 PM	11	133	13	0	23	192	11	7	10	1	4	0	21	1	14	0	441
4:00 PM	6	144	12	1	13	195	6	5	8	0	7	0	14	0	3	0	414
4:15 PM	9	114	18	1	11	178	10	6	14	0	8	0	8	1	7	0	385
3:30-4:30pm SUM	34	537	61	2	53	753	42	27	40	2	33	0	77	3	43	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	59	1018	97	5	91	1290	77	50	76	3	53	0	117	4	89	0	3029
APPROACH %'s :	5.00%	86.34%	8.23%	0.42%	6.03%	85.54%	5.11%	3.32%	57.58%	2.27%	40.15%	0.00%	55.71%	1.90%	42.38%	0.00%	
PEAK HR :	03:30 PM - 04:30 PM																TOTAL
PEAK HR VOL :	34	537	61	2	53	753	42	27	40	2	33	0	77	3	43	0	1707
PEAK HR FACTOR :	0.773	0.920	0.847	0.500	0.576	0.965	0.700	0.750	0.714	0.500	0.589	0.000	0.566	0.750	0.566	0.000	0.914
	0.922				0.939				0.815				0.569				

National Data & Surveying Services

Intersection Turning Movement Count

Location: Clairemont Dr & Dakota Dr
City: San Diego
Control: Signalized

Project ID: 18-04167-002
Date: 5/8/2018

Bikes

NS/EW Streets:	Clairemont Dr				Clairemont Dr				Dakota Dr				Dakota Dr				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	2	0	0	1	2	0	0	0	1	0	0	0	1	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	0	2	0	0	0	0	0	0	1	0	0	0	0	0	0	0	3
7:15 AM	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
7:30 AM	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:00 AM	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
8:15 AM	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	2
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8-9am SUM	0	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	0	4	0	0	0	2	1	0	1	0	0	0	0	0	0	0	8
APPROACH %'s :	0.00%	100.00%	0.00%	0.00%	0.00%	66.67%	33.33%	0.00%	100.00%	0.00%	0.00%	0.00%					
PEAK HR :	08:00 AM - 09:00 AM																TOTAL
PEAK HR VOL :	0	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	3
PEAK HR FACTOR :	0.000	0.500	0.000	0.000	0.000	0.250	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.375
	0.500				0.250												

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	2	0	0	1	2	0	0	0	1	0	0	0	1	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
2:30 PM	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
2:45 PM	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	2
3:00 PM	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	2
3:15 PM	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
3:30 PM	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2
3:45 PM	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	0	3
4:00 PM	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
4:15 PM	0	1	0	0	0	1	0	0	1	0	0	0	1	0	0	0	4
3:30-4:30pm SUM	0	2	0	0	1	4	0	0	1	0	0	0	1	0	1	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	0	4	0	0	1	7	1	0	1	0	0	0	1	0	1	0	16
APPROACH %'s :	0.00%	100.00%	0.00%	0.00%	11.11%	77.78%	11.11%	0.00%	100.00%	0.00%	0.00%	0.00%	50.00%	0.00%	50.00%	0.00%	
PEAK HR :	03:30 PM - 04:30 PM																TOTAL
PEAK HR VOL :	0	2	0	0	1	4	0	0	1	0	0	0	1	0	1	0	10
PEAK HR FACTOR :	0.00	0.500	0.000	0.000	0.250	0.500	0.000	0.000	0.250	0.000	0.000	0.000	0.250	0.000	0.250	0.000	0.625
	0.500				0.625				0.250				0.500				

National Data & Surveying Services

Intersection Turning Movement Count

Location: Clairemont Dr & Dakota Dr
City: San Diego

Project ID: 18-04167-002
Date: 5/8/2018

Pedestrians (Crosswalks)

NS/EW Streets:	Clairemont Dr		Clairemont Dr		Dakota Dr		Dakota Dr		
AM	NORTH LEG		SOUTH LEG		EAST LEG		WEST LEG		
	EB	WB	EB	WB	NB	SB	NB	SB	TOTAL
7:00 AM	0	0	0	2	1	0	4	0	7
7:15 AM	0	0	0	1	2	0	1	0	4
7:30 AM	1	0	0	0	0	0	0	0	1
7:45 AM	0	2	1	6	1	0	5	0	15
8:00 AM	0	0	2	2	4	1	0	0	9
8:15 AM	0	3	0	1	3	1	2	0	10
8:30 AM	2	3	0	1	4	2	1	1	14
8:45 AM	0	0	1	0	1	1	0	1	4
8-9am SUM	2	6	3	4	12	5	3	2	
	EB	WB	EB	WB	NB	SB	NB	SB	TOTAL
TOTAL VOLUMES :	3	8	4	13	16	5	13	2	64
APPROACH %'s :	27.27%	72.73%	23.53%	76.47%	76.19%	23.81%	86.67%	13.33%	
PEAK HR :	08:00 AM - 09:00 AM								TOTAL
PEAK HR VOL :	2	6	3	4	12	5	3	2	37
PEAK HR FACTOR :	0.250	0.500	0.375	0.500	0.750	0.625	0.375	0.500	0.661
	0.400		0.438		0.708		0.625		

PM	NORTH LEG		SOUTH LEG		EAST LEG		WEST LEG		
	EB	WB	EB	WB	NB	SB	NB	SB	TOTAL
2:30 PM	0	6	0	2	0	1	1	1	11
2:45 PM	1	0	0	0	2	1	0	1	5
3:00 PM	0	1	1	1	1	0	0	2	6
3:15 PM	1	0	0	1	0	1	1	1	5
3:30 PM	2	1	1	0	0	3	0	2	9
3:45 PM	0	2	0	0	3	9	0	1	15
4:00 PM	0	0	0	0	1	4	0	2	7
4:15 PM	0	2	0	0	5	4	0	1	12
3:30-4:30pm SUM	2	5	1	0	9	20	0	6	
	EB	WB	EB	WB	NB	SB	NB	SB	TOTAL
TOTAL VOLUMES :	4	12	2	4	12	23	2	11	70
APPROACH %'s :	25.00%	75.00%	33.33%	66.67%	34.29%	65.71%	15.38%	84.62%	
PEAK HR :	03:30 PM - 04:30 PM								TOTAL
PEAK HR VOL :	2	5	1	0	9	20	0	6	43
PEAK HR FACTOR :	0.250	0.625	0.250		0.450	0.556		0.750	0.717
	0.583		0.250		0.604		0.750		

Prepared by National Data & Surveying Services

Clairemont Dr & Dakota Dr

Peak Hour Turning Movement Count

ID: 18-04167-002
City: San Diego

Day: Tuesday
Date: 05/08/2018

PEAK HOURS

AM	08:00 AM - 09:00 AM
NOON	NONE
PM	03:30 PM - 04:30 PM

COUNT PERIODS

AM	07:00 AM - 09:00 AM
NOON	NONE
PM	02:30 PM - 04:30 PM

Clairemont Dr — SOUTHBOUND

AM	8	414	27	20	726	AM
NOON	0	0	0	0	0	NOON
PM	42	753	53	27	647	PM
	0	2	1	0		

Dakota Dr — EASTBOUND

AM	NOON	PM	
15	0	79	
0	0	0	0
37	0	40	0
2	0	2	1
27	0	33	0
AM	NOON	PM	

CONTROL

Signalized

TEV	1342	0	1707
	AM	NOON	PM
PHF	0.78		0.91

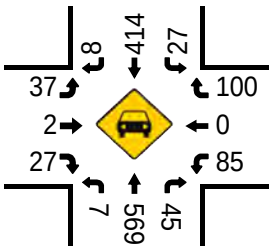
WESTBOUND — Dakota Dr

PM	NOON	AM	
43	0	100	0
3	0	0	1
77	0	85	0
0	0	0	0
116	0	74	
PM	NOON	AM	

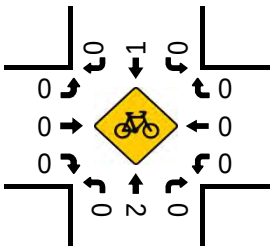
Clairemont Dr — NORTHBOUND

PM	865	2	34	537	61	PM
NOON	0	0	0	0	0	NOON
AM	527	1	7	569	45	AM
		0	1	2	0	

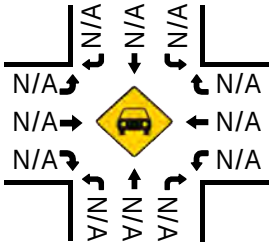
Total Vehicles (AM)



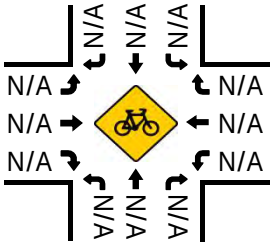
Bikes (AM)



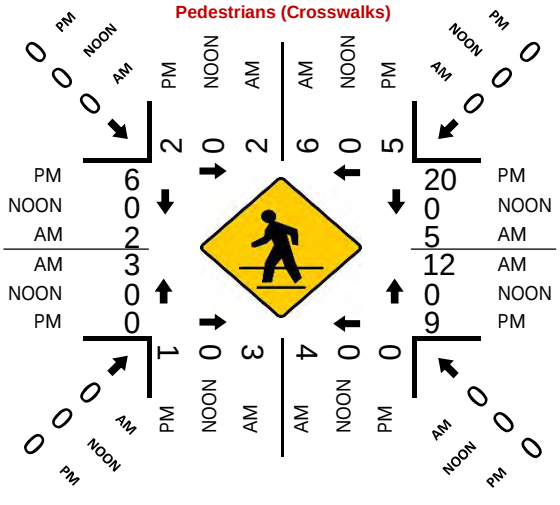
Total Vehicles (Noon)



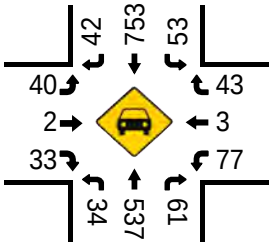
Bikes (NOON)



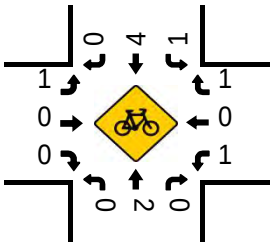
Pedestrians (Crosswalks)



Total Vehicles (PM)



Bikes (PM)



National Data & Surveying Services

Intersection Turning Movement Count

Location: Waco St & Ute Dr
City: San Diego
Control: 1-Way Stop(NB)

Project ID: 18-04167-003
Date: 5/8/2018

Total

NS/EW Streets:	Waco St				Waco St				Ute Dr				Ute Dr				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	9	0	0	0	0	0	0	0	0	3	2	0	1	6	0	0	21
7:15 AM	7	0	1	0	0	0	0	0	0	2	1	0	0	12	0	0	23
7:30 AM	4	0	0	0	0	0	0	0	0	3	4	0	1	7	0	0	19
7:45 AM	8	0	0	0	0	0	0	0	0	2	5	0	0	7	0	0	22
8:00 AM	4	0	0	0	0	0	0	0	0	2	5	0	0	6	0	0	17
8:15 AM	8	0	1	0	0	0	0	0	0	0	9	0	0	14	0	0	32
8:30 AM	27	0	1	0	0	0	0	0	0	8	35	4	1	14	0	0	90
8:45 AM	23	0	3	0	0	0	0	0	0	13	39	6	1	11	0	0	96
8-9am SUM	62	0	5	0	0	0	0	0	0	23	88	10	2	45	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	90	0	6	0	0	0	0	0	0	33	100	10	4	77	0	0	320
APPROACH %'s :	93.75%	0.00%	6.25%	0.00%					0.00%	23.08%	69.93%	6.99%	4.94%	95.06%	0.00%	0.00%	
PEAK HR :	08:00 AM - 09:00 AM																TOTAL
PEAK HR VOL :	62	0	5	0	0	0	0	0	0	23	88	10	2	45	0	0	235
PEAK HR FACTOR :	0.574	0.000	0.417	0.000	0.000	0.000	0.000	0.000	0.000	0.442	0.564	0.417	0.500	0.804	0.000	0.000	0.612
	0.598								0.522				0.783				

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
2:30 PM	3	0	0	0	0	0	0	0	0	10	2	0	1	4	0	0	20
2:45 PM	4	0	0	0	0	0	0	0	0	3	4	1	0	7	0	0	19
3:00 PM	6	0	0	0	0	0	0	0	0	3	3	1	3	2	0	0	18
3:15 PM	10	0	1	0	0	0	0	0	0	3	5	1	1	4	0	0	25
3:30 PM	15	0	6	0	0	0	0	0	0	10	34	4	8	8	0	0	85
3:45 PM	10	0	2	0	0	0	0	0	0	21	31	1	5	9	0	0	79
4:00 PM	4	0	0	0	0	0	0	0	0	3	5	1	0	7	0	0	20
4:15 PM	5	0	1	0	0	0	0	0	0	3	6	0	0	8	0	0	23
3:30-4:30pm SUM	34	0	9	0	0	0	0	0	0	37	76	6	13	32	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	57	0	10	0	0	0	0	0	0	56	90	9	18	49	0	0	289
APPROACH %'s :	85.07%	0.00%	14.93%	0.00%					0.00%	36.13%	58.06%	5.81%	26.87%	73.13%	0.00%	0.00%	
PEAK HR :	03:15 PM - 04:15 PM																TOTAL
PEAK HR VOL :	39	0	9	0	0	0	0	0	0	37	75	7	14	28	0	0	209
PEAK HR FACTOR :	0.650	0.000	0.375	0.000	0.000	0.000	0.000	0.000	0.000	0.440	0.551	0.438	0.438	0.778	0.000	0.000	0.615
	0.571								0.561				0.656				

National Data & Surveying Services

Intersection Turning Movement Count

Location: Waco St & Ute Dr
City: San Diego
Control: 1-Way Stop(NB)

Project ID: 18-04167-003
Date: 5/8/2018

Bikes

NS/EW Streets:	Waco St				Waco St				Ute Dr				Ute Dr				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:15 AM	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8-9am SUM	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	3
APPROACH %'s :	100.00%	0.00%	0.00%	0.00%									0.00%	100.00%	0.00%	0.00%	
PEAK HR :	08:00 AM - 09:00 AM																TOTAL
PEAK HR VOL :	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
PEAK HR FACTOR :	0.250	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.250
	0.250																

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
2:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
3:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3:30-4:30pm SUM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2
APPROACH %'s :													0.00%	100.00%	0.00%	0.00%	
PEAK HR :	03:15 PM - 04:15 PM																TOTAL
PEAK HR VOL :	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
PEAK HR FACTOR :	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.250	0.000	0.000	0.250
													0.250				

National Data & Surveying Services
Intersection Turning Movement Count

Location: Waco St & Ute Dr
City: San Diego

Project ID: 18-04167-003
Date: 5/8/2018

Pedestrians (Crosswalks)

NS/EW Streets:	Waco St		Waco St		Ute Dr		Ute Dr		
AM	NORTH LEG		SOUTH LEG		EAST LEG		WEST LEG		
	EB	WB	EB	WB	NB	SB	NB	SB	TOTAL
7:00 AM	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	1	1
7:30 AM	0	0	0	0	0	0	0	0	0
7:45 AM	0	0	0	0	0	0	0	0	0
8:00 AM	0	0	0	1	0	0	0	1	2
8:15 AM	0	0	0	2	2	0	0	1	5
8:30 AM	0	0	0	1	0	0	0	1	2
8:45 AM	0	0	0	1	0	0	0	2	3
8-9am SUM	0	0	0	5	2	0	0	5	
	EB	WB	EB	WB	NB	SB	NB	SB	TOTAL
TOTAL VOLUMES :	0	0	0	5	2	0	0	6	13
APPROACH %'s :			0.00%	100.00%	100.00%	0.00%	0.00%	100.00%	
PEAK HR :	08:00 AM - 09:00 AM								TOTAL
PEAK HR VOL :	0	0	0	5	2	0	0	5	12
PEAK HR FACTOR :				0.625	0.250			0.625	0.600
			0.625		0.250		0.625		

PM	NORTH LEG		SOUTH LEG		EAST LEG		WEST LEG		
	EB	WB	EB	WB	NB	SB	NB	SB	TOTAL
2:30 PM	0	0	0	0	0	0	0	0	0
2:45 PM	0	0	0	1	0	0	0	0	1
3:00 PM	0	0	0	0	0	0	0	0	0
3:15 PM	0	0	0	0	0	0	0	0	0
3:30 PM	0	0	7	1	0	0	9	3	20
3:45 PM	0	0	0	2	0	0	0	0	2
4:00 PM	0	0	0	2	0	0	0	0	2
4:15 PM	0	0	1	0	0	0	0	0	1
3:30-4:30pm SUM	0	0	8	5	0	0	9	3	
	EB	WB	EB	WB	NB	SB	NB	SB	TOTAL
TOTAL VOLUMES :	0	0	8	6	0	0	9	3	26
APPROACH %'s :			57.14%	42.86%			75.00%	25.00%	
PEAK HR :	03:15 PM - 04:15 PM								TOTAL
PEAK HR VOL :	0	0	7	5	0	0	9	3	24
PEAK HR FACTOR :			0.250	0.625			0.250	0.250	0.300
			0.375				0.250		

Prepared by National Data & Surveying Services

Waco St & Ute Dr

Peak Hour Turning Movement Count

ID: 18-04167-003
City: San Diego

Day: Tuesday
Date: 05/08/2018

PEAK HOURS	COUNT PERIODS
08:00 AM - 09:00 AM	07:00 AM - 09:00 AM
NONE	NONE
03:15 PM - 04:15 PM	02:30 PM - 04:30 PM

CONTROL: 1-Way Stop(NB)

	AM	NOON	PM
TEV	235	0	209
PHF	0.61		0.61

Waco St — SOUTHBOUND

	L	T	R	U		
AM	0	0	0	0	0	AM
NOON	0	0	0	0	0	NOON
PM	0	0	0	0	0	PM

Ute Dr — EASTBOUND

	L	T	R	
AM	10	0	7	0
NOON	0	0	0	0
PM	23	0	37	1
	88	0	75	0
	AM	NOON	PM	
	117	0	74	

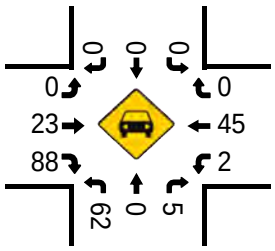
Ute Dr — WESTBOUND

	L	T	R	
	0	0	0	0
	1	28	0	45
	0	14	0	2
	0	0	0	0
		46	0	28
		PM	NOON	AM

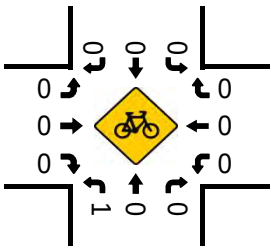
Waco St — NORTHBOUND

	L	T	R	U		
PM	89	0	39	0	9	PM
NOON	0	0	0	0	0	NOON
AM	90	0	62	0	5	AM

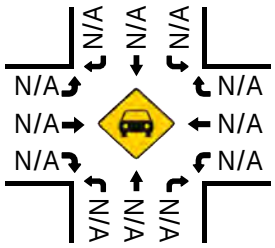
Total Vehicles (AM)



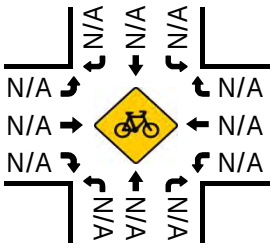
Bikes (AM)



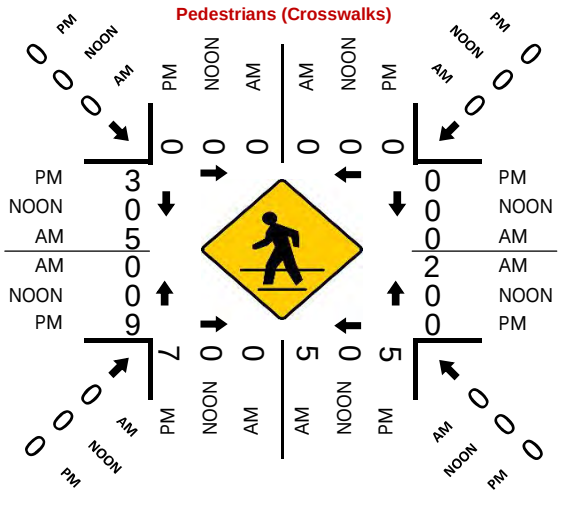
Total Vehicles (Noon)



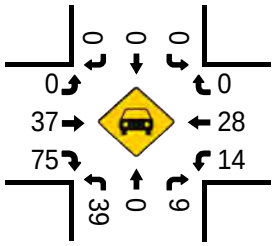
Bikes (NOON)



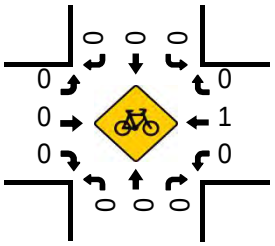
Pedestrians (Crosswalks)



Total Vehicles (PM)



Bikes (PM)



National Data & Surveying Services

Intersection Turning Movement Count

Location: Waco St & Dakota Dr
City: San Diego
Control: 4-Way Stop

Project ID: 18-04167-004
Date: 5/8/2018

Total

NS/EW Streets:	Waco St				Waco St				Dakota Dr				Dakota Dr				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	1	0	0	0	1	0	0	0	1	0	0	0	1	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	1	7	0	0	1	2	3	0	1	3	0	0	2	15	2	0	37
7:15 AM	8	2	1	0	1	1	3	0	2	0	3	0	3	11	2	0	37
7:30 AM	11	1	0	0	1	0	5	0	2	3	1	0	0	20	2	0	46
7:45 AM	3	1	0	0	0	3	5	0	3	1	0	0	0	12	3	0	31
8:00 AM	5	0	0	0	1	4	4	0	5	8	1	1	0	15	0	0	44
8:15 AM	2	2	0	0	0	1	10	0	5	4	0	0	0	8	2	0	34
8:30 AM	7	10	0	0	3	9	27	0	13	6	2	0	1	15	7	0	100
8:45 AM	12	11	0	0	3	9	30	0	5	5	1	0	0	17	3	0	96
8-9am SUM	26	23	0	0	7	23	71	0	28	23	4	1	1	55	12	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	49	34	1	0	10	29	87	0	36	30	8	1	6	113	21	0	425
APPROACH %'s :	58.33%	40.48%	1.19%	0.00%	7.94%	23.02%	69.05%	0.00%	48.00%	40.00%	10.67%	1.33%	4.29%	80.71%	15.00%	0.00%	
PEAK HR :	08:00 AM - 09:00 AM																TOTAL
PEAK HR VOL :	26	23	0	0	7	23	71	0	28	23	4	1	1	55	12	0	274
PEAK HR FACTOR :	0.542	0.523	0.000	0.000	0.583	0.639	0.592	0.000	0.538	0.719	0.500	0.250	0.250	0.809	0.429	0.000	0.685
	0.533				0.601				0.667				0.739				

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	1	0	0	0	1	0	0	0	1	0	0	0	1	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
2:30 PM	3	1	1	0	0	0	5	0	4	11	4	0	0	7	1	0	37
2:45 PM	2	1	0	0	0	2	4	0	0	6	1	0	0	11	3	0	30
3:00 PM	2	2	0	0	0	1	4	0	1	9	5	0	0	10	1	0	35
3:15 PM	4	4	0	0	1	0	6	0	3	11	3	0	0	19	6	0	57
3:30 PM	2	8	1	0	8	13	15	0	9	15	2	0	1	11	3	1	89
3:45 PM	7	2	1	0	4	9	28	0	11	17	11	0	4	11	0	0	105
4:00 PM	1	1	0	0	1	1	8	0	4	12	5	0	0	7	2	0	42
4:15 PM	4	3	0	0	0	0	2	0	7	11	4	0	0	5	0	0	36
3:30-4:30pm SUM	14	14	2	0	13	23	53	0	31	55	22	0	5	34	5	1	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	25	22	3	0	14	26	72	0	39	92	35	0	5	81	16	1	431
APPROACH %'s :	50.00%	44.00%	6.00%	0.00%	12.50%	23.21%	64.29%	0.00%	23.49%	55.42%	21.08%	0.00%	4.85%	78.64%	15.53%	0.97%	
PEAK HR :	03:15 PM - 04:15 PM																TOTAL
PEAK HR VOL :	14	15	2	0	14	23	57	0	27	55	21	0	5	48	11	1	293
PEAK HR FACTOR :	0.500	0.469	0.500	0.000	0.438	0.442	0.509	0.000	0.614	0.809	0.477	0.000	0.313	0.632	0.458	0.250	0.698
	0.705				0.573				0.660				0.650				

National Data & Surveying Services

Intersection Turning Movement Count

Location: Waco St & Dakota Dr
City: San Diego
Control: 4-Way Stop

Project ID: 18-04167-004
Date: 5/8/2018

Bikes

NS/EW Streets:	Waco St				Waco St				Dakota Dr				Dakota Dr				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	1	0	0	0	1	0	0	0	1	0	0	0	1	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:00 AM	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	2
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:30 AM	0	1	3	0	0	1	0	0	0	0	0	0	3	0	0	0	8
8:45 AM	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
8-9am SUM	0	2	4	0	0	1	0	0	0	0	0	0	4	0	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	0	3	4	0	0	1	0	0	0	0	0	0	4	0	0	0	12
APPROACH %'s :	0.00%	42.86%	57.14%	0.00%	0.00%	100.00%	0.00%	0.00%					100.00%	0.00%	0.00%	0.00%	
PEAK HR :	08:00 AM - 09:00 AM																TOTAL
PEAK HR VOL :	0	2	4	0	0	1	0	0	0	0	0	0	4	0	0	0	11
PEAK HR FACTOR :	0.000	0.500	0.333	0.000	0.000	0.250	0.000	0.000	0.000	0.000	0.000	0.000	0.333	0.000	0.000	0.000	0.344
			0.375				0.250								0.333		

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	1	0	0	0	1	0	0	0	1	0	0	0	1	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
2:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3:00 PM	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
3:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
3:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:15 PM	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
3:30-4:30pm SUM	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	0	0	0	0	0	0	1	0	0	1	0	0	0	1	0	0	3
APPROACH %'s :					0.00%	0.00%	100.00%	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	
PEAK HR :	03:15 PM - 04:15 PM																TOTAL
PEAK HR VOL :	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
PEAK HR FACTOR :	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.250	0.000	0.000	0.250
															0.250		

National Data & Surveying Services

Intersection Turning Movement Count

Location: Waco St & Dakota Dr
City: San Diego

Project ID: 18-04167-004
Date: 5/8/2018

Pedestrians (Crosswalks)

NS/EW Streets:	Waco St		Waco St		Dakota Dr		Dakota Dr		
AM	NORTH LEG		SOUTH LEG		EAST LEG		WEST LEG		
	EB	WB	EB	WB	NB	SB	NB	SB	TOTAL
7:00 AM	0	0	1	0	3	1	2	1	8
7:15 AM	0	0	0	1	2	0	1	1	5
7:30 AM	0	0	0	1	0	0	1	1	3
7:45 AM	0	1	0	2	0	1	2	0	6
8:00 AM	0	3	3	0	3	0	2	0	11
8:15 AM	1	2	1	2	4	0	3	0	13
8:30 AM	1	0	1	1	0	0	5	0	8
8:45 AM	0	1	0	0	1	0	2	0	4
8-9am SUM	2	6	5	3	8	0	12	0	
	EB	WB	EB	WB	NB	SB	NB	SB	TOTAL
TOTAL VOLUMES :	2	7	6	7	13	2	18	3	58
APPROACH %'s :	22.22%	77.78%	46.15%	53.85%	86.67%	13.33%	85.71%	14.29%	
PEAK HR :	08:00 AM - 09:00 AM								TOTAL
PEAK HR VOL :	2	6	5	3	8	0	12	0	36
PEAK HR FACTOR :	0.500	0.500	0.417	0.375	0.500		0.600		0.692
	0.667		0.667		0.500		0.600		

PM	NORTH LEG		SOUTH LEG		EAST LEG		WEST LEG		
	EB	WB	EB	WB	NB	SB	NB	SB	TOTAL
2:30 PM	0	1	0	2	1	2	1	2	9
2:45 PM	0	4	0	0	0	1	1	0	6
3:00 PM	0	1	1	0	0	2	1	2	7
3:15 PM	0	0	1	1	1	0	1	2	6
3:30 PM	0	1	0	0	0	0	0	1	2
3:45 PM	2	0	0	0	0	1	0	3	6
4:00 PM	0	0	0	0	0	0	1	2	3
4:15 PM	0	1	0	4	0	0	2	3	10
3:30-4:30pm SUM	2	2	0	4	0	1	3	9	
	EB	WB	EB	WB	NB	SB	NB	SB	TOTAL
TOTAL VOLUMES :	2	8	2	7	2	6	7	15	49
APPROACH %'s :	20.00%	80.00%	22.22%	77.78%	25.00%	75.00%	31.82%	68.18%	
PEAK HR :	03:15 PM - 04:15 PM								TOTAL
PEAK HR VOL :	2	1	1	1	1	1	2	8	17
PEAK HR FACTOR :	0.250	0.250	0.250	0.250	0.250	0.250	0.500	0.667	0.708
	0.375		0.250		0.500		0.833		

Prepared by National Data & Surveying Services

Waco St & Dakota Dr

Peak Hour Turning Movement Count

ID: 18-04167-004
City: San Diego

Day: Tuesday
Date: 05/08/2018

PEAK HOURS

AM	08:00 AM - 09:00 AM
NOON	NONE
PM	03:15 PM - 04:15 PM

COUNT PERIODS

AM	07:00 AM - 09:00 AM
NOON	NONE
PM	02:30 PM - 04:30 PM

Waco St — SOUTHBOUND

AM	71	23	7	0	63	AM
NOON	0	0	0	0	0	NOON
PM	57	23	14	0	53	PM

EASTBOUND — Dakota Dr

AM	NOON	PM	
153	0	119	⇦
1	0	0	↶ 0
28	0	27	↱ 0
23	0	55	→ 1
4	0	21	↴ 0

WESTBOUND — Dakota Dr

PM	NOON	AM	
11	0	12	0 ↰
48	0	55	1 ←
5	0	1	0 ↙
1	0	0	0 ↶
72	0	30	⇨

NORTHBOUND — Waco St

PM	49	0	14	15	2	PM
NOON	0	0	0	0	0	NOON
AM	28	0	26	23	0	AM

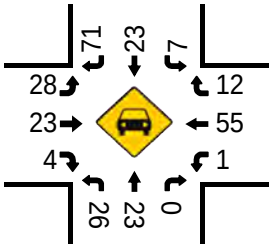
↶	←	↑	↱
0	0	1	0

CONTROL

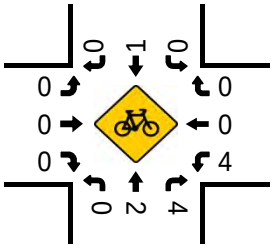
4-Way Stop

TEV	274 AM	0 NOON	293 PM
PHF	0.69		0.70

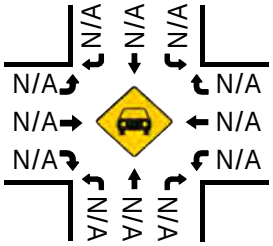
Total Vehicles (AM)



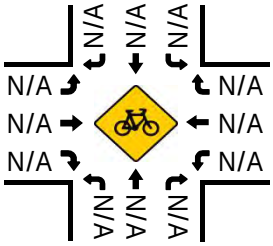
Bikes (AM)



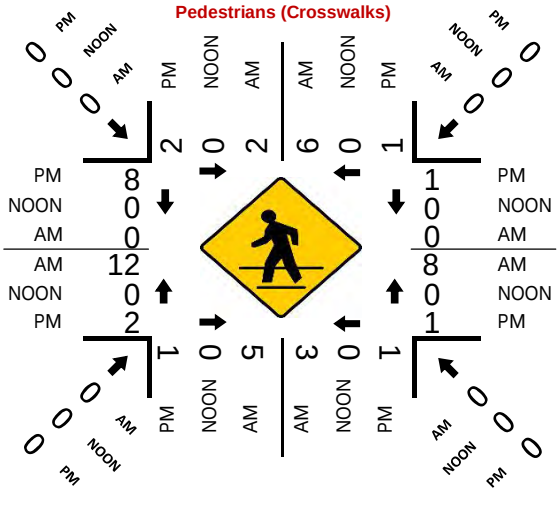
Total Vehicles (Noon)



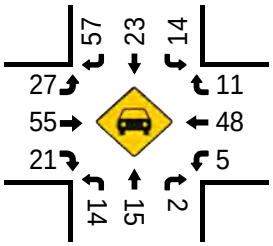
Bikes (NOON)



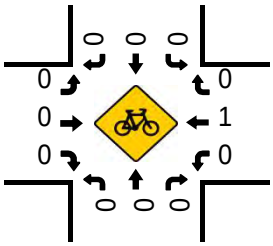
Pedestrians (Crosswalks)



Total Vehicles (PM)



Bikes (PM)



APPENDIX B

SUMMARY OF PUBLIC INPUT (JANUARY AND FEBRUARY 2018)

Roesling Nakamura Terada Architects
www.rntarchitects.com
363 Fifth Ave | Ste 202 | San Diego CA 92101 | P619.233.1023 | F619.233.0016

M E E T I N G N O T E S

Project:	**Marston Middle School**
RNT Job No.:	17800
Date of report:	February 15, 2018
Reported by:	Sharlene Angeles

Meeting Subject: Marston MS: **Pre-Schematic/Design Task Force Meeting #1**

Meeting Date: January 24, 2018

Location: Marston Middle School

Attendees:

Jon Gollias	Marston MS, Principal
Lee Dulgeroff	SDUSD, Chief FPC Officer
Samer Naji	SDUSD, Facilities Communications
Francisco Campuzano	SDUSD, Project Manager
German Rearte	SDUSD, Project Manager
Chikako Terada	RNT Arch, Project Principal
Sharlene Angeles	RNT Arch, Project Architect
Community members	Marston MS staff, parents, neighbors

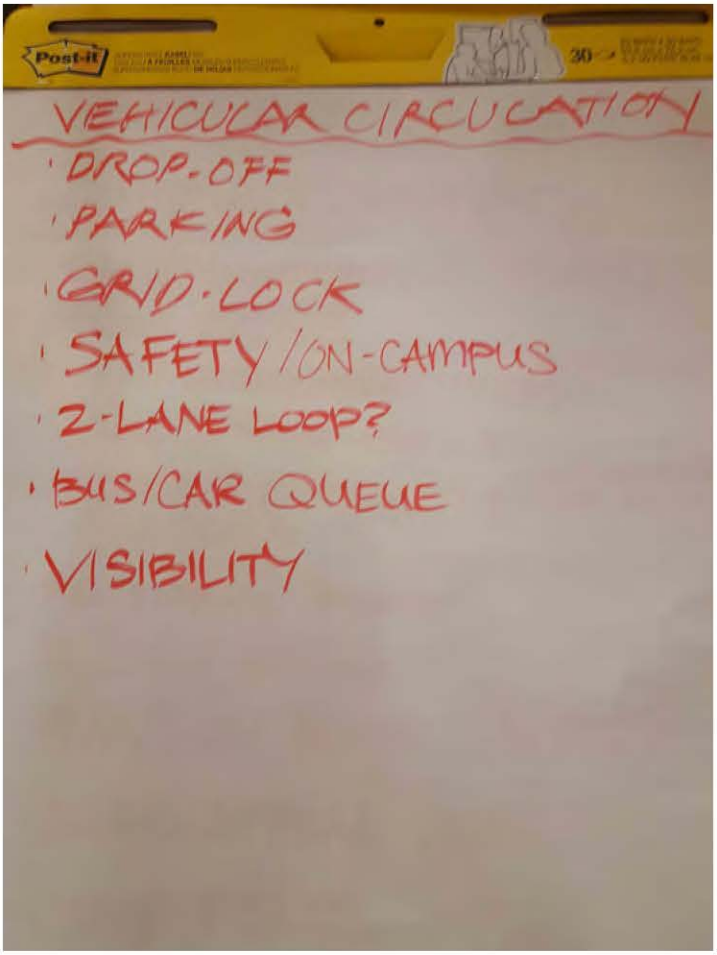
	DISCUSSION ITEMS	ACTION
1.0	**Purpose of Meeting and General Information**	na
	• The first Design Task Force community meeting to develop a list of scope items for consideration for the Marston MS Whole Site Modernization project. • Main goals to discuss the pre-schematic design process and existing campus conditions and to receive feedback from the community group. • WSM scope shall incorporate the goals identified in the Prop S & Z voter's guide.	na

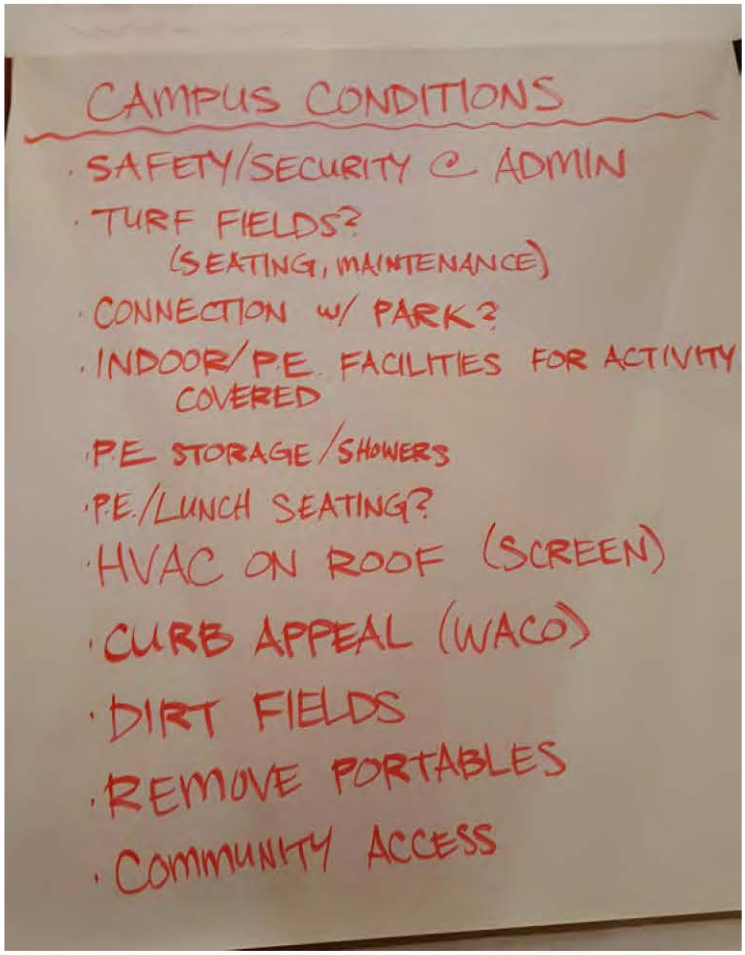
2.0	**Meeting Discussion Items** • The following topics were discussed as potential scope items: - Curb appeal, drop-off areas, joint-use opportunities, P.E. facilities, and overall campus updates.	na
2.1	**Curb Appeal** • Community members noted that the building exteriors look "dated," and that they haven't changed much since previous generations of students attended the school. • The community also commented that the new perimeter fencing gives the appearance of a "prison." • There was a shared interest in improving overall curb appeal and landscaping, especially along Waco St. The current frontage along Waco St. is mainly D.G. and asphalt paving.	**RNT**
2.2	**Drop-off Areas** • There was general consensus that the latest traffic changes made by the city at the Balboa and Clairemont Dr. traffic lights have made the pick-up and drop-off traffic worse. Concerns over grid-lock and insufficient car/bus queueing space along Ute Dr. were discussed. • There is currently no on-campus drop-off area, which could help alleviate the traffic along adjacent roads. • The campus also "rents out" space for weekend activities and events, such as the Xplode dance program and Communion Church services. There are concerns over insufficient parking and traffic control for these events. • Food service and trash trucks also use the staff parking lot entrance off of Ute Dr. • Parking lot driveways are located along a curve which creates additional visibility and safety concerns. • Drivers tend to speed down Waco St. and the alley adjacent to Ute Dr. after drop-offs in the morning. • There is additional bus traffic to/from Clairemont HS and Whittier School. • The community expressed interest in exploring design ideas for a new two-lane drop-off loop with additional parking located on campus, either off of Waco Dr. or Clairemont Dr.	**RNT**
2.3	**Joint-use opportunities** • There are several community sports programs currently offered at the adjacent community park. Are there more joint-use opportunities that could be explored to create more of a connection with the community park? • The natural grade difference running north/south through the site could create opportunities for seating/sports viewing. • JG indicated general maintenance concerns regarding the addition of natural turf to the sports fields. • There is existing soil erosion on the fields that is creating safety concerns due to a perceived lack of maintenance. • SDUSD noted that the campus is located in an area currently identified as "park deficient."	**RNT**

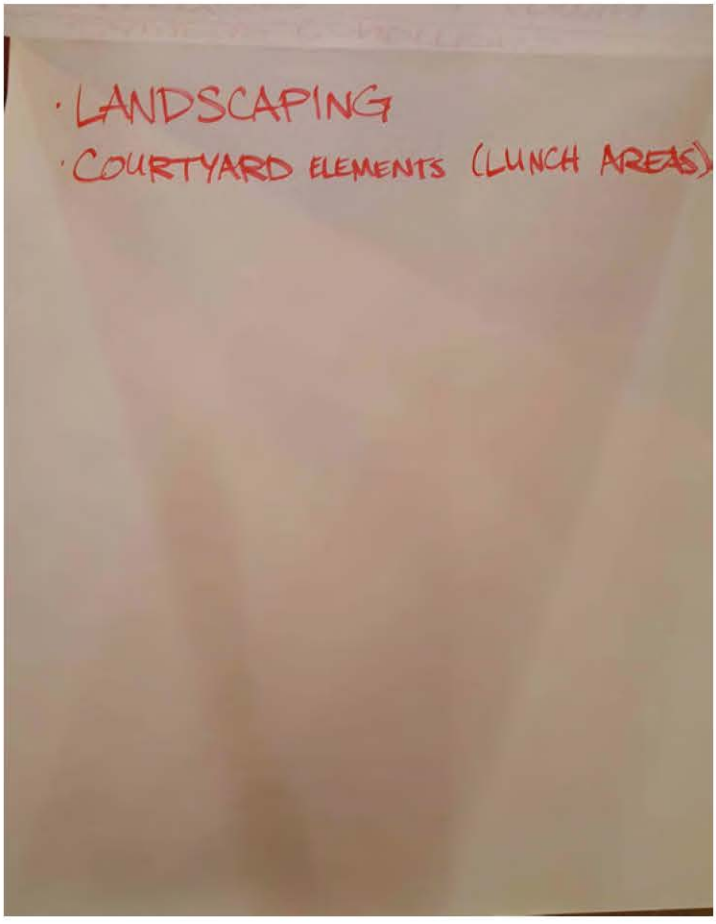
2.4	**P.E. Facilities** • JG noted concerns that the campus is lacking sufficient indoor/covered P.E. facilities. • JG suggested that the campus needs an additional multi-purpose space that could hold a full P.E. class (50 students). • The current P.E./locker room building could be used more efficiently. Outdated shower areas are currently being used for storage.	**RNT**
2.5	**Overall Campus Updates** • Upgrades at the Admin building could provide a good first impression for the campus, as well as a sense of added safety/security. • There was general consensus to respect the historic value of the "mid-century modern" style of the buildings. • Courtyard/lunch area elements such as planters and benches were noted as items that could be improved. • Some design options for architectural screening elements for the new HVAC equipment on the rooftops could also be explored. • Will new windows throughout the campus buildings be incorporated with the current HVAC upgrades to improve energy efficiency, or could they be included as part of the WSM?	**RNT**
3.0	**Additional Items** • Marston MS is currently looking for grants for a neighborhood busing program. • Marston MS is currently the visually impaired program school for SDUSD. • The current portables located on campus are not part of the long-term plan, and they could be removed to provide more space for the WSM upgrades. • Marston MS also receives a lot of feedback from the PTSA and the student council that should be considered throughout the DTF process. • The 2nd Design Task Force community meeting is scheduled for Wed. Feb. 21.	**RNT**

End of Meeting Notes

These notes will be considered substantially correct and complete, and comments will be integrated into the design process unless otherwise notified in writing within five working days of receipt.


VEHICULAR CIRCUCATION
· DROP-OFF
· PARKING
· GRID-LOCK
· SAFETY / ON-CAMPUS
· 2-LANE LOOP?
· BUS/CAR QUEUE
· VISIBILITY


CAMPUS CONDITIONS
· SAFETY/SECURITY & ADMIN
· TURF FIELDS?
(SEATING, MAINTENANCE)
· CONNECTION W/ PARK?
· INDOOR/P.E. FACILITIES FOR ACTIVITY COVERED
· P.E. STORAGE/SHOWERS
· P.E./LUNCH SEATING?
· HVAC ON ROOF (SCREEN)
· CURB APPEAL (WACO)
· DIRT FIELDS
· REMOVE PORTABLES
· COMMUNITY ACCESS


· LANDSCAPING
· COURTYARD ELEMENTS (LUNCH AREAS)

Roesling Nakamura Terada Architects
www.rntarchitects.com
363 Fifth Ave | Ste 202 | San Diego CA 92101 | P619.233.1023 | F619.233.0016

M E E T I N G N O T E S

Project:	**Marston Middle School**
RNT Job No.:	17800
Date of report:	February 22, 2018
Reported by:	Sharlene Angeles

Meeting Subject: Marston MS: **Pre-Schematic/Design Task Force Meeting #2**

Meeting Date: February 21, 2018

Location: Marston Middle School

Attendees:

Jon Gollias	Marston MS, Principal
Samer Naji	SDUSD, Facilities Communications
Francisco Campuzano	SDUSD, Project Manager
German Rearte	SDUSD, Project Manager
Chikako Terada	RNT Arch, Project Principal
Raul Diaz	RNT Arch, Project Manager
Sharlene Angeles	RNT Arch, Project Architect
Leo Espelet	Kimley Horn, Traffic Engineer
Community members	Marston MS staff, parents, neighbors (See attached sign-in sheet)

Attachments: Sign-in sheet, Easel Pad notes

	DISCUSSION ITEMS	ACTION
1.0	**Purpose of Meeting and General Information**	n/a
	• The second Design Task Force (DTF) community meeting was held in the Marston MS Library to discuss preliminary design concepts based on potential scope items identified during the first DTF meeting. • The main goal is to receive feedback from the community group on the preliminary design concepts.	n/a

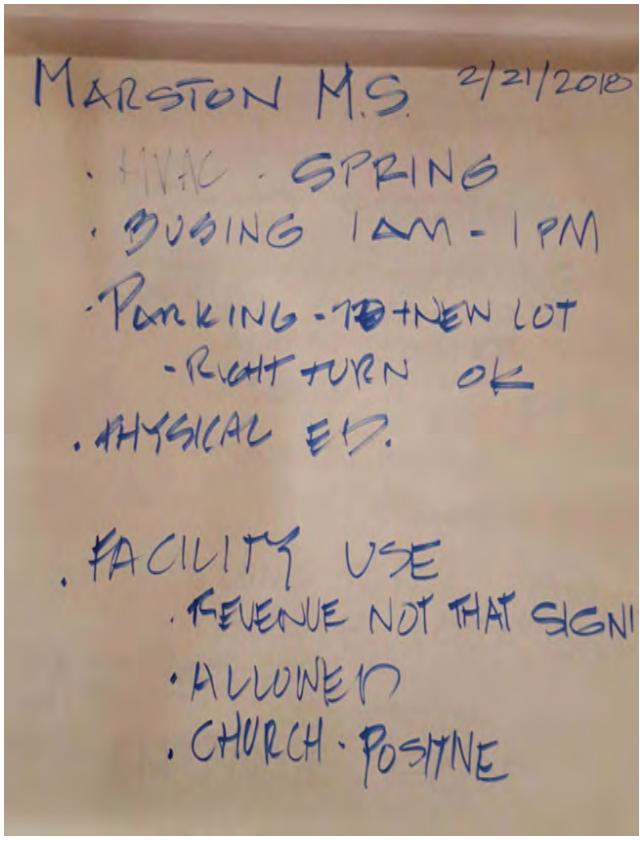
2.0	**Meeting Discussion Items** • The following agenda items were presented as design concepts and discussed in detail: - Campus identity/frontage improvements, interior improvements, athletic fields/facilities, and drop-off/parking circulation.	n/a
2.1	**Campus Identity/Frontage Improvements** • Preliminary design concepts for new campus signage/identity elements at the Admin building were presented. The design intent is to update the main entrance point to the campus with more modern materials and signage. • The community feedback was very positive regarding frontage improvements. • There was interest in improving landscaping and fencing along Ute Dr. and Waco St. as well. • The community also expressed concerns regarding trash collection and maintenance for new landscaping along Ute Dr. and Waco St. • Adding a new drop-off/parking area within the campus with new hardscape and landscape would also improve the frontage along Waco St. which mainly consists of D.G. fields. Refer to item 2.4 below.	**RNT**
2.2	**Interior Improvements** • JG indicated that the staff at Marston is concerned about the interior conditions of the existing classrooms (ie: outdated/deteriorating paint, flooring, casework). • JG specifically noted three blocks of classroom buildings that are in need of improvements. RNT will work with the district to assess the current conditions and prioritize the WSM scope items. • Scope items related to modernizing the classroom buildings will need to be discussed with DSA to determine the full scope. • Community members described existing windows as "old and drafty" and expressed concerns that the new heating/cooling systems for the buildings could be inefficient if the windows are not replaced.	**RNT**
2.3	**Athletic Fields/Facilities** • Providing additional joint-use field area with natural turf was discussed as a potential scope item; however, the principal/staff at Marston MS is concerned about the city maintaining the fields per the joint-use agreement. • JG noted that students at Marston have complained about erosion on the existing joint-use baseball field and related safety concerns. • The "lower" fields appear to be the optimal location for joint-use fields with the adjacency to the rec center/community park and the lower elevation that works well for field lighting. • Preliminary design concepts for reconfiguring the existing P.E./Locker building and incorporating an adjacent covered P.E. area were presented. The new P.E. Activity room would be about twice the size of the existing fitness center on campus. • Most of the P.E. facilities would then be located at the lower area once the portables are removed from the upper area. • P.V. panels could be incorporated with the design of the new P.E. canopy.	**RNT**

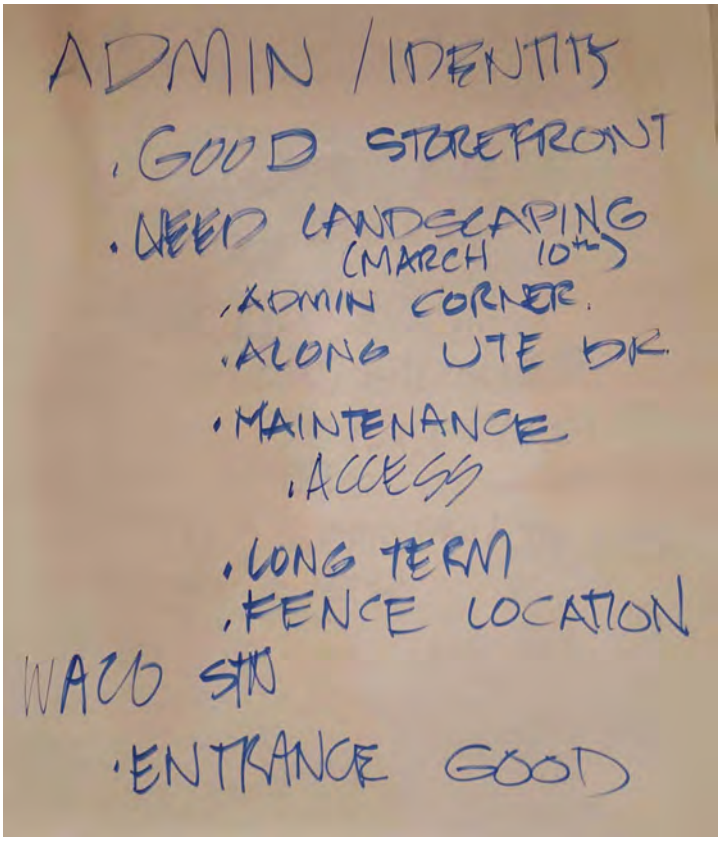
2.4	**Drop-off/Parking Circulation** • Preliminary design concepts for a new parking and drop-off area located on campus were presented, and the design was well received by the community. • The design would include at least 75 parking spaces and a double loop circulation route for pick-up and drop-off. There would be a total of about 100 spaces on campus. • The community members commented that the one-way circulation and right turn only driveways make a lot of sense for the vehicular circulation. • The additional parking on campus should also help alleviate some of the congestion along the streets during 3rd party events on the weekends. • The community also mentioned the need for night lighting and new landscaping around the new parking lots.	**RNT**
3.0	**Additional Items** • Marston MS is planning to offer a neighborhood busing program starting next year. • Bus/passenger loading zones along Clairemont Dr. will be involved in a traffic study, and there may be some changes anticipated. • Marston MS will be hosting a community landscaping event on March 10th, as part of a DIY landscaping project for the campus. • The drawings for the HVAC upgrades have been approved by DSA, and construction is scheduled to be completed by Spring 2019. • JG noted that he is still interested in an indoor athletic facility and is planning to meet with SDUSD to discuss. • The final Design Task Force community meeting will be postponed for a later date, in order to develop the scope items further.	**JG, RNT**

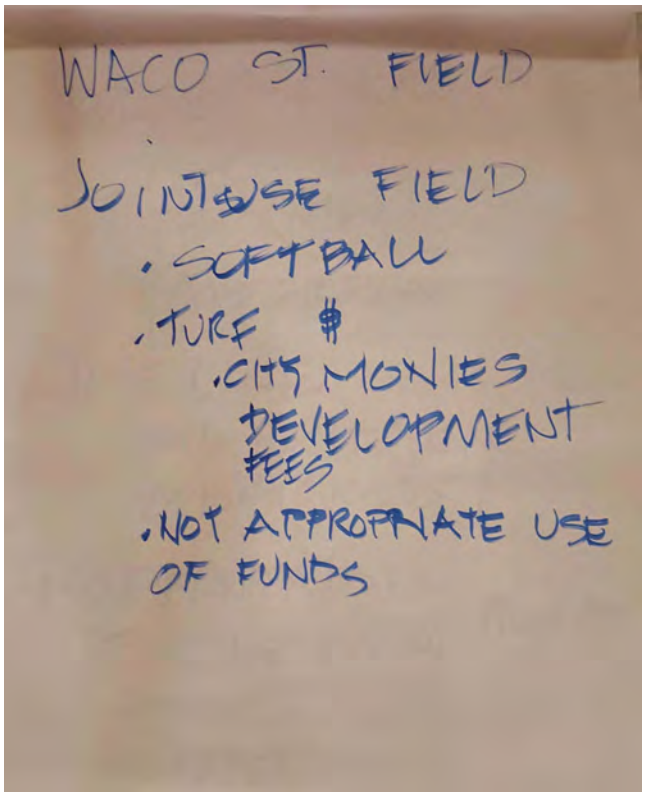
End of Meeting Notes

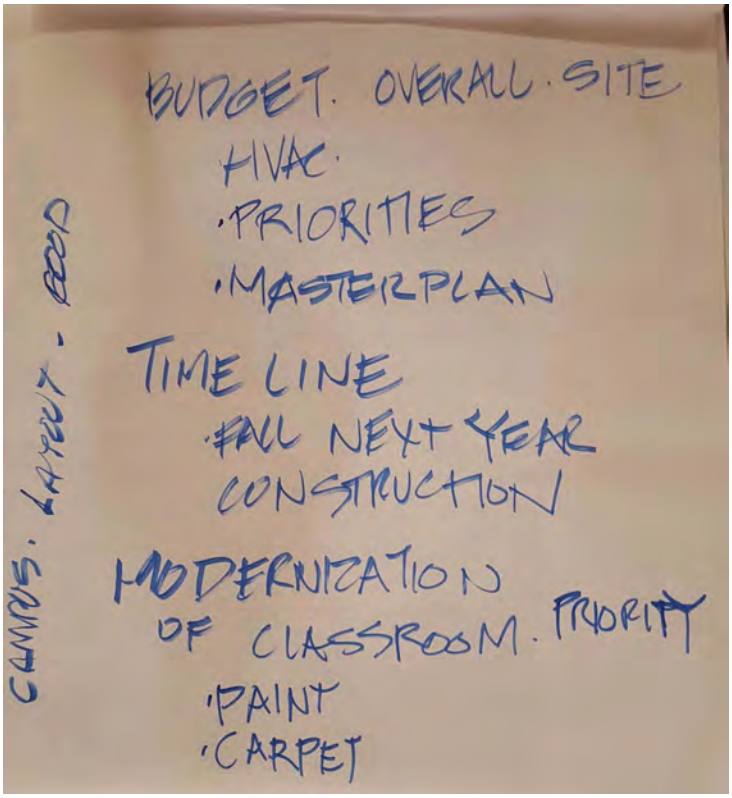
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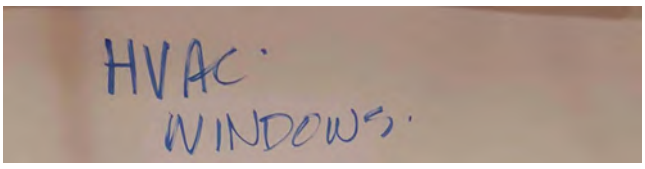
EASEL PAD NOTES:











APPENDIX C

ACCIDENT HISTORY (2010-2017)

Collision Details: Case ID 8032942

Collision Factors

County	SAN DIEGO	City	SAN DIEGO
Date (M-D-Y)	04-22-2016	Time	17:36
Intersection	CLAIREMONT DR & UTE ST		
Dist. & Dir . from intersection	132 ft North		
Coordinate Location	32.8096657, -117.2010422		

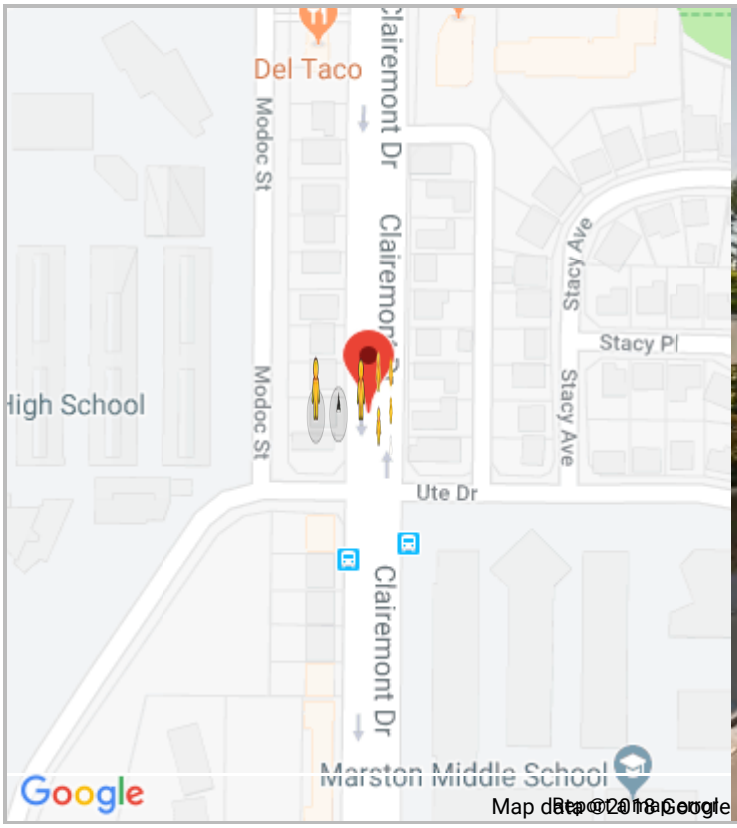
State Highway	N	Route	-	Postmile	-

Killed & Injured	0 Killed 1 Injured	Crash Type	Sideswipe
Alcohol	No	Weather	Clear
Primary Collision Factor	Unsafe Lane Change	Involved with	Motor Vehicle on Other Roadway
Pedestrian Involved	No	Bicycle Involved	No

Party Factors

Number of Parties Involved			2
Party Type	At Fault	Party Direction	Movement Preceding Collision
Driver	Yes	South	Changing Lanes
Driver	No	South	Proceeding Straight

Map View



Street View



Collision Details: Case ID 4838359

Collision Factors

County	SAN DIEGO	City	SAN DIEGO
Date (M-D-Y)	08-06-2010	Time	08:33
Intersection	CLAIREMONT DR & 3800 CLAIREMONT DR		
Dist. & Dir . from intersection	0 ft East		
Coordinate Location	32.8093048, -117.2010419		

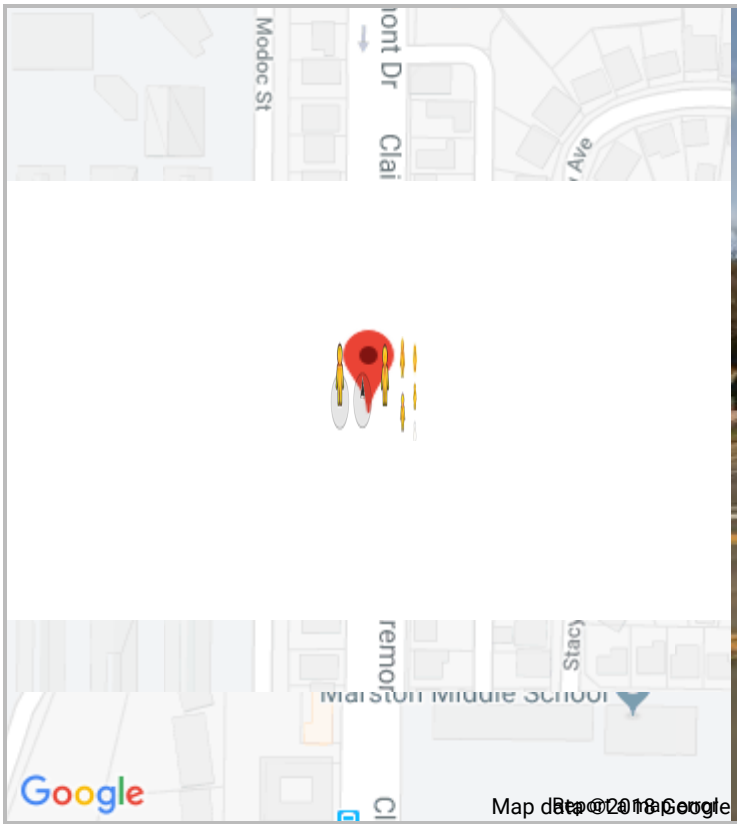
State Highway	N	Route	-	Postmile	-

Killed & Injured	0 Killed 1 Injured	Crash Type	Vehicle/Pedestrian
Alcohol	No	Weather	Cloudy
Primary Collision Factor	Pedestrian Right of Way	Involved with	Pedestrian
Pedestrian Involved	Yes	Bicycle Involved	No

Party Factors

Number of Parties Involved			2
Party Type	At Fault	Party Direction	Movement Preceding Collision
Driver	Yes	North	Making Right Turn
Pedestrian	No	-	Other

Map View



Street View



Collision Details: Case ID 5066547

Collision Factors

County	SAN DIEGO	City	SAN DIEGO
Date (M-D-Y)	02-28-2011	Time	08:25
Intersection	CLAIREMONT DR & UTE DR		
Dist. & Dir . from intersection	0 ft East		
Coordinate Location	32.8093, -117.20103		

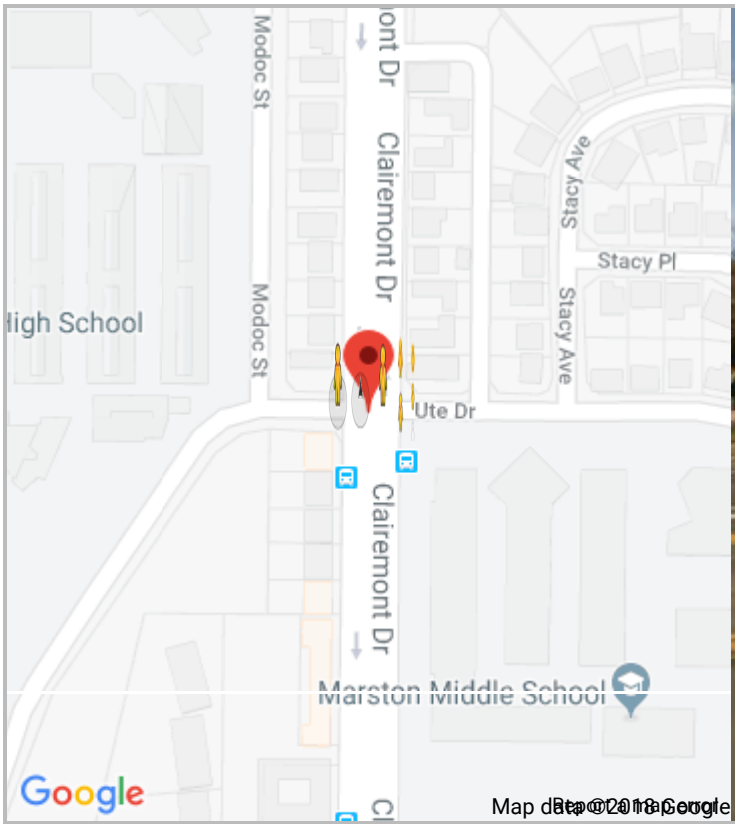
State Highway	N	Route	-	Postmile	-

Killed & Injured	0 Killed 1 Injured	Crash Type	Other
Alcohol	No	Weather	Clear
Primary Collision Factor	- Not Stated	Involved with	Non-Collision
Pedestrian Involved	No	Bicycle Involved	No

Party Factors

Number of Parties Involved			1
Party Type	At Fault	Party Direction	Movement Preceding Collision
Driver	No	North	Making Right Turn

Map View



Street View



Collision Details: Case ID 6144436

Collision Factors

County	SAN DIEGO	City	SAN DIEGO
Date (M-D-Y)	07-17-2013	Time	06:54
Intersection	CLAIREMONT DR & UTE DR		
Dist. & Dir . from intersection	0 ft East		
Coordinate Location	32.8093048, -117.201042		

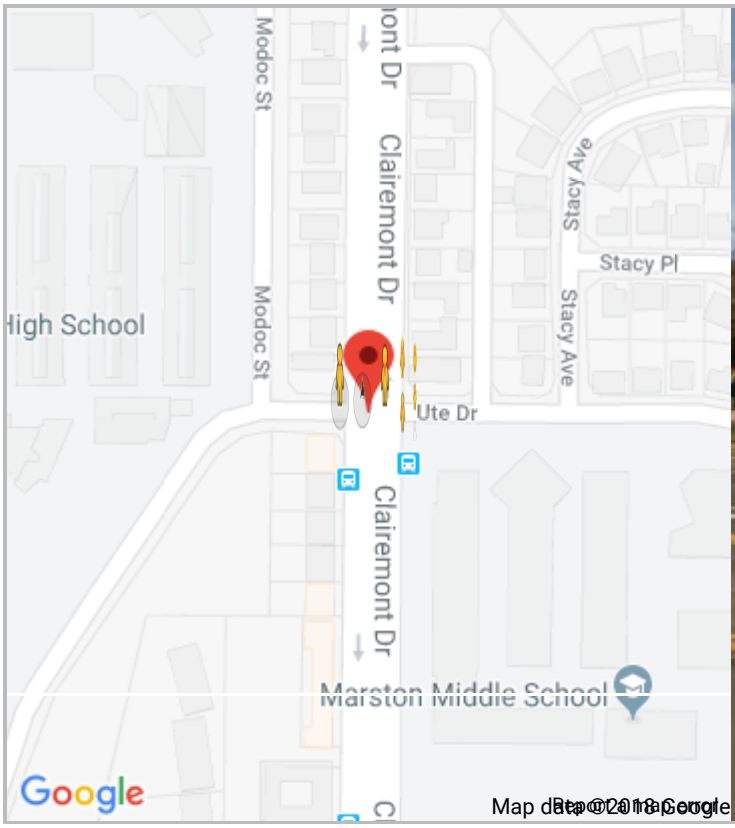
State Highway	N	Route	-	Postmile	-

Killed & Injured	0 Killed 1 Injured	Crash Type	Vehicle/Pedestrian
Alcohol	No	Weather	Clear
Primary Collision Factor	Unsafe Speed	Involved with	Pedestrian
Pedestrian Involved	Yes	Bicycle Involved	No

Party Factors

Number of Parties Involved			2
Party Type	At Fault	Party Direction	Movement Preceding Collision
Driver	Yes	East	Making Left Turn
Pedestrian	No	West	Proceeding Straight

Map View



Street View



Collision Details: Case ID 6921826

Collision Factors

County	SAN DIEGO	City	SAN DIEGO
Date (M-D-Y)	04-25-2015	Time	16:15
Intersection	CLAIREMONT DR & UTE DR		
Dist. & Dir . from intersection	0 ft East		
Coordinate Location	32.8093033, -117.2010422		

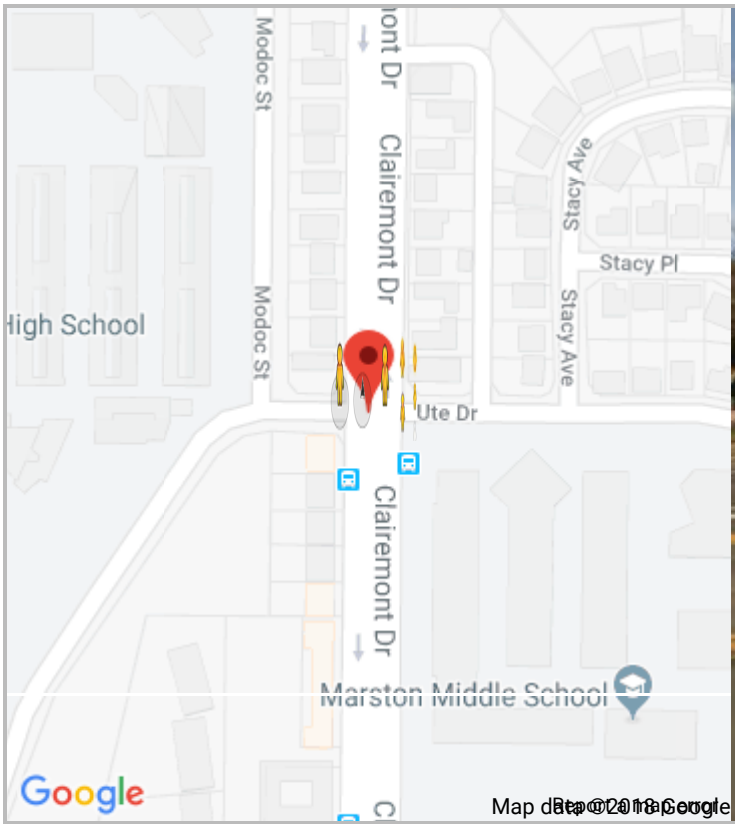
State Highway	N	Route	-	Postmile	-

Killed & Injured	0 Killed 1 Injured	Crash Type	Rear End
Alcohol	Yes	Weather	Cloudy
Primary Collision Factor	Unsafe Speed	Involved with	Other Motor Vehicle
Pedestrian Involved	No	Bicycle Involved	No

Party Factors

Number of Parties Involved			2
Party Type	At Fault	Party Direction	Movement Preceding Collision
Driver	Yes	South	Proceeding Straight
Driver	No	South	Stopped

Map View



Street View



Collision Details: Case ID 4929473

Collision Factors

County	SAN DIEGO	City	SAN DIEGO
Date (M-D-Y)	10-01-2010	Time	22:00
Intersection	UTE DR & MODOC ST		
Dist. & Dir . from intersection	256 ft East		
Coordinate Location	32.80929996, -117.200801503		

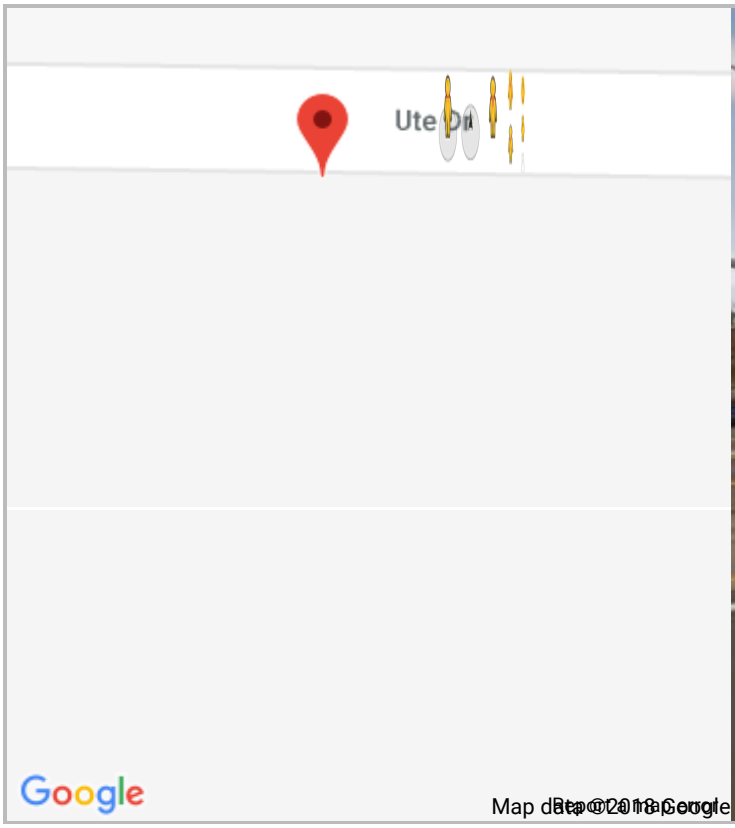
State Highway	N	Route	-	Postmile	-

Killed & Injured	0 Killed 1 Injured	Crash Type	Overturned
Alcohol	No	Weather	Clear
Primary Collision Factor	Other Than Driver (or Pedestrian)	Involved with	Other Object
Pedestrian Involved	No	Bicycle Involved	No

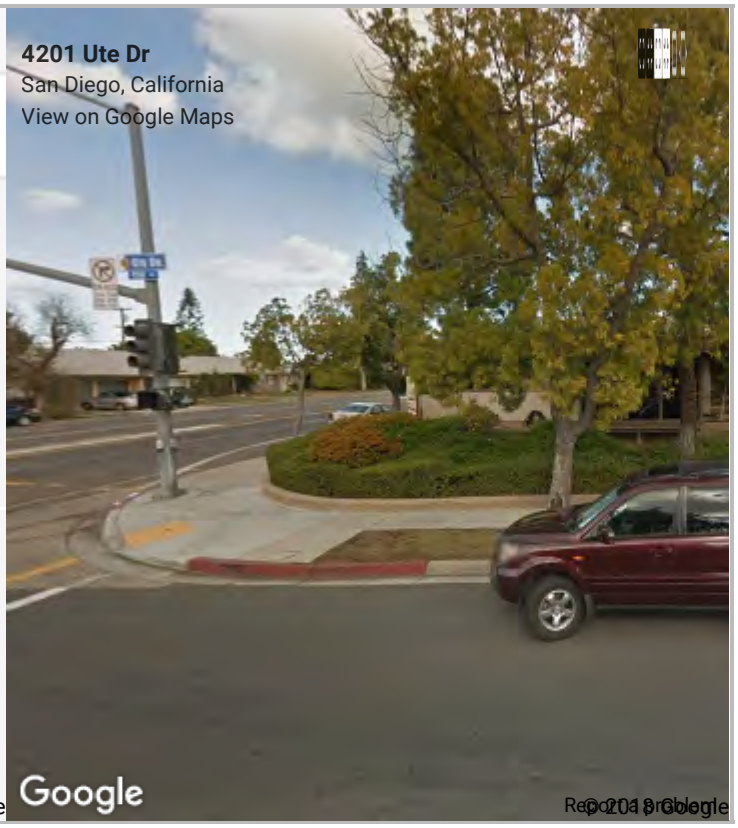
Party Factors

Number of Parties Involved			1
Party Type	At Fault	Party Direction	Movement Preceding Collision
Driver	No	West	Ran Off Road

Map View



Street View



Collision Details: Case ID 6032731

Collision Factors

County	SAN DIEGO	City	SAN DIEGO
Date (M-D-Y)	04-10-2013	Time	16:05
Intersection	CLAIREMONT DR & UTE DR		
Dist. & Dir . from intersection	32 ft South		
Coordinate Location	32.8092171, -117.201043		

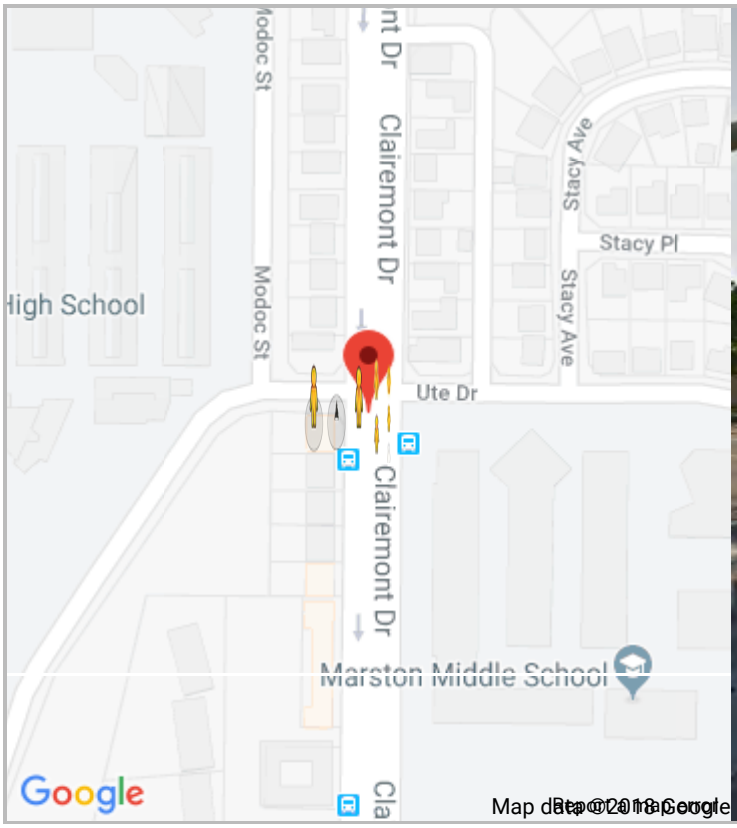
State Highway	N	Route	-	Postmile	-

Killed & Injured	0 Killed 1 Injured	Crash Type	Rear End
Alcohol	No	Weather	Clear
Primary Collision Factor	Unsafe Starting or Backing	Involved with	Other Motor Vehicle
Pedestrian Involved	No	Bicycle Involved	No

Party Factors

Number of Parties Involved			2
Party Type	At Fault	Party Direction	Movement Preceding Collision
Driver	Yes	North	Proceeding Straight
Driver	No	North	Stopped

Map View



Street View



Collision Details: Case ID 5639879

Collision Factors

County	SAN DIEGO	City	SAN DIEGO
Date (M-D-Y)	02-04-2013	Time	18:26
Intersection	CLAIRMONT DR & UTE DR		
Dist. & Dir . from intersection	276 ft South		
Coordinate Location	32.8085487, -117.2010517		

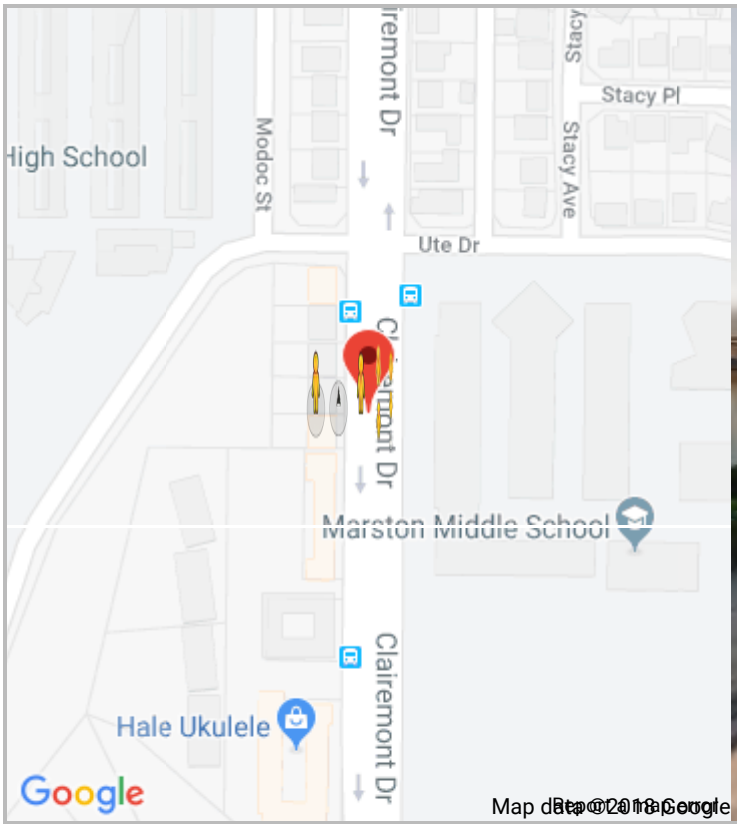
State Highway	N	Route	-	Postmile	-

Killed & Injured	1 Killed 1 Injured	Crash Type	Vehicle/Pedestrian
Alcohol	No	Weather	Cloudy
Primary Collision Factor	- Not Stated	Involved with	Pedestrian
Pedestrian Involved	Yes	Bicycle Involved	No

Party Factors

Number of Parties Involved			2
Party Type	At Fault	Party Direction	Movement Preceding Collision
Pedestrian	Yes	West	Proceeding Straight
Driver	No	South	Proceeding Straight

Map View



Street View



Collision Details: Case ID 5300149

Collision Factors

County	SAN DIEGO	City	SAN DIEGO
Date (M-D-Y)	08-23-2011	Time	20:11
Intersection	CLAIREMONT DR & RAPPAHANNOCK AV		
Dist. & Dir . from intersection	240 ft North		
Coordinate Location	32.8063066728, -117.201044232		

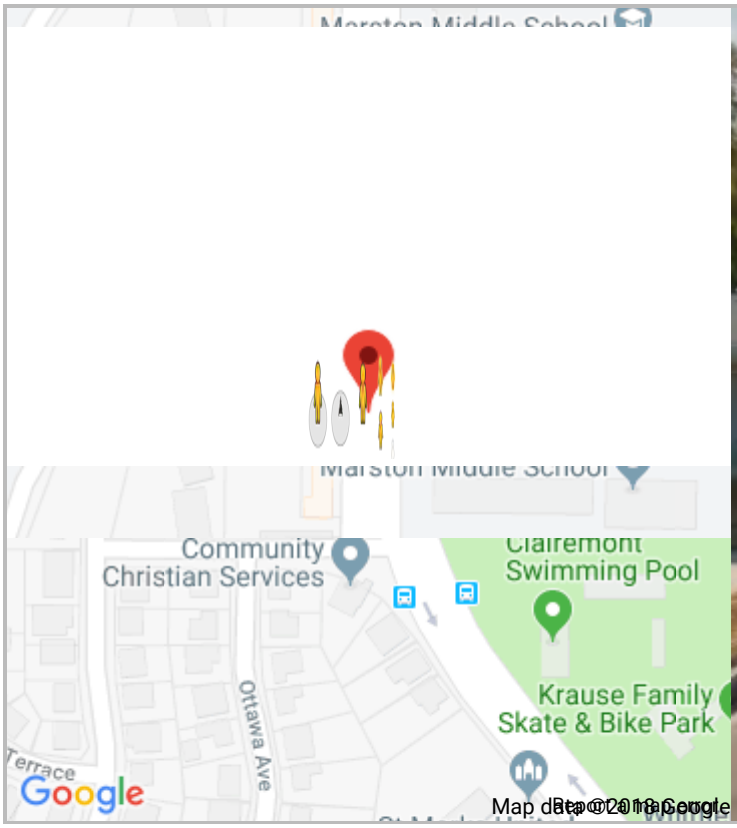
State Highway	N	Route	-	Postmile	-

Killed & Injured	0 Killed 1 Injured	Crash Type	Rear End
Alcohol	Yes	Weather	Clear
Primary Collision Factor	Improper Turning	Involved with	Parked Motor Vehicle
Pedestrian Involved	No	Bicycle Involved	No

Party Factors

Number of Parties Involved			3
Party Type	At Fault	Party Direction	Movement Preceding Collision
Driver	Yes	South	Proceeding Straight
Parked	No	South	Parked
Parked	No	South	Parked

Map View



Street View



APPENDIX D

SYNCHRO ANALYSIS

Intersection	
Int Delay, s/veh	11.6

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	↑			↑	↱	
Traffic Vol, veh/h	218	0	0	198	130	45
Future Vol, veh/h	218	0	0	198	130	45
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	63	100	100	56	50	50
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	346	0	0	354	260	90

Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	-	-	-	700	346
Stage 1	-	-	-	-	346	-
Stage 2	-	-	-	-	354	-
Critical Hdwy	-	-	-	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	-	-	-	-	3.518	3.318
Pot Cap-1 Maneuver	-	0	0	-	405	697
Stage 1	-	0	0	-	716	-
Stage 2	-	0	0	-	710	-
Platoon blocked, %	-			-		
Mov Cap-1 Maneuver	-	-	-	-	405	697
Mov Cap-2 Maneuver	-	-	-	-	405	-
Stage 1	-	-	-	-	716	-
Stage 2	-	-	-	-	710	-

Approach	EB	WB	NB
HCM Control Delay, s	0	0	34.9
HCM LOS			D

Minor Lane/Major Mvmt	NBLn1	EBT	WBT
Capacity (veh/h)	454	-	-
HCM Lane V/C Ratio	0.771	-	-
HCM Control Delay (s)	34.9	-	-
HCM Lane LOS	D	-	-
HCM 95th %tile Q(veh)	6.7	-	-

Intersection	
Int Delay, s/veh	16.9

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	↑			↑	↱	
Traffic Vol, veh/h	132	0	0	150	180	70
Future Vol, veh/h	132	0	0	150	180	70
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	59	100	100	61	50	50
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	224	0	0	246	360	140

Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	-	-	-	470	224
Stage 1	-	-	-	-	224	-
Stage 2	-	-	-	-	246	-
Critical Hdwy	-	-	-	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	-	-	-	-	3.518	3.318
Pot Cap-1 Maneuver	-	0	0	-	552	815
Stage 1	-	0	0	-	813	-
Stage 2	-	0	0	-	795	-
Platoon blocked, %	-			-		
Mov Cap-1 Maneuver	-	-	-	-	552	815
Mov Cap-2 Maneuver	-	-	-	-	552	-
Stage 1	-	-	-	-	813	-
Stage 2	-	-	-	-	795	-

Approach	EB	WB	NB
HCM Control Delay, s	0	0	32.7
HCM LOS			D

Minor Lane/Major Mvmt	NBLn1	EBT	WBT
Capacity (veh/h)	607	-	-
HCM Lane V/C Ratio	0.824	-	-
HCM Control Delay (s)	32.7	-	-
HCM Lane LOS	D	-	-
HCM 95th %tile Q(veh)	8.6	-	-