Soil Sampling Report

Santa Rosa Fire Station 5

Stagecoach Road and Fountaingrove Parkway

APN: 173-670-022

Santa Rosa, California

Ross Drulis Cusenbery Architecture

18294 Sonoma Highway | Sonoma, California 95476

March 4, 2021 | Project No. 403891003

Ninyo & Moore

Geotechnical & Environmental Sciences Consultants

Ninyo & Moore
Geotechnical & Environmental Sciences Consultants

March 4, 2021
Project No. 403891003

Mr. Michael Ross
Ross Drulis Cusenbery Architecture Inc.
18294 Sonoma Highway, Sonoma, California

RE: Soil Sampling Report
Santa Rosa Fire Station 5
Stagecoach Road and Fountaingrove Parkway, APN: 173-670-022
Santa Rosa, California

Dear Mr. Ross:

Ninyo & Moore has prepared this Soil Sampling Report for the property (APN: 173-670-022) located at Stagecoach Road and Fountaingrove Parkway, in Santa Rosa, California (Site). Ninyo & Moore understands that the Site will be redeveloped with a new fire station. The objective of the soil sampling activities presented in this report were to evaluate the general environmental soil conditions at the Site, as they relate to potential soil waste characterization and management activities associated with the future redevelopment activities. A summary of the field activities performed, analytical results, and Ninyo & Moore's conclusions are presented in the following Report.

We appreciate the opportunity to be of service on this project. If you have any questions regarding the Report, please contact either Bryan Fong or Kris Larson.

Sincerely,
NINYO & MOORE

Bryan A. Fong
Senior Project Geologist

Professional Geologist
Kristopher M. Larson
No. 8059
State of California

Kris M. Larson, PG 8059
Principal Environmental Geologist

BBF/KML/gvr

CONTENTS

1 INTRODUCTION

Ninyo & Moore Geotechnical and Environmental Sciences Consultants (Ninyo & Moore) has prepared this Soil Sampling Report (Report) for the property (APN: 173-670-022) located at Stagecoach Road and Fountaingrove Parkway, in Santa Rosa, California (Site; Figure 1). Soil sampling activities were performed in accordance with the proposed scope of work presented in Ninyo & Moore's January 5, 2021 *Soil Sampling Work Plan.*

The objective of the soil sampling activities was to evaluate the general environmental soil conditions at the Site, as they relate to potential soil waste characterization and management activities associated with the future fire station redevelopment activities. A brief Site description and background, summary of the soil sampling activities, analytical results, and conclusions and recommendations is presented in the following sections of this Report.

2 SITE DESCRIPTION AND BACKGROUND

The Site is predominantly vegetated vacant land with some improvements consisting of a gravel access road, a pad-mounted transformer and a drainage ditch with outflow. Ninyo & Moore's February 8, 2021 Phase I Environmental Site Assessment (ESA) findings, indicate that the historical Site use has been essentially the same as its current use from at least 1974. In 1974, the Site appears to have been briefly used for storing/staging equipment associated with the construction of Fountaingrove Parkway. Prior to 1974, the Site appears to have been predominantly undeveloped land, with a small eastern portion of the Site used as an orchard from at least 1954 until sometime before 1974. No recognized environmental conditions (RECs) were identified in the Phase I ESA.

3 SOIL SAMPLING ACTIVITIES

Ninyo and Moore collected shallow soil samples from 5 locations, presented on Figure 2, to evaluate shallow soil conditions across the Site where the new fire station development is proposed.

3.1 Pre-Field Activities Performed

Ninyo & Moore pre-field activities included the following:

- Preparation of a Site-specific health and safety plan (HASP) to protect Site workers. The HASP was kept on-Site during all field activities and signed by each Site worker.

- Prior to all subsurface disturbance activities, Ninyo and Moore pre-marked the Site with white paint and flags and obtained Underground Service Alert (USA) North ticket for the subsurface work.

- Ninyo & Moore procured an environmental drilling permit through the Sonoma County Department of Health Services. A copy of the permit is provided as Appendix A.

3.2 Soil Borings and Sampling

On January 25, 2021, PeneCore Drilling (PeneCore), a C-57 licensed driller, advanced five shallow soil borings (B-1 through B-5) at the locations shown in Figure 2. PeneCore advanced all five soil borings to approximately 2 feet below ground surface (bgs) using a hand auger. A Ninyo & Moore field geologist logged the soils using the Unified Soil Classification System and screened the soils with a photoionization detector (PID) as a qualitative indicator of the potential occurrence of organic vapors. Shallow soils encountered during the field activities consisted of mixtures of sandy silts, silt with sand, silty clay, silty sand, and sand with silt. No PID readings indicative of potential organic vapors were observed during the field activities.

Ninyo & Moore collected soil samples between approximately 1.5 and 2 feet bgs. Additionally, a representative from Apex Consulting Services, the property owner's consultant, collected split soil samples during the field activities. Per the analysis being performed, soil samples were collected and placed into clean sampling containers supplied by the analytical laboratory, including Environmental Protection Agency (EPA) Method 5035 for EPA Method 8260 analysis.

All soil samples were labeled, placed in an ice-chilled cooler, and transported under chain of custody procedures to a California-certified laboratory for analysis.

4 SOIL CHEMICAL ANALYSIS

Soil samples were analyzed for the following:

- Diesel range organics (DRO) and Motor oil range organics (MRO) by EPA Method 8015B;
- Gasoline range organics (GRO) and volatile organic compounds (VOCs) by EPA Method 8260B and EPA Method 5035;
- Semi-VOCs (SVOCs) by EPA Method 8270;
- Organochlorine Pesticides (OCPs) by EPA Method 8081;
- Polychlorinated biphenyls (PCBs) by EPA Method 8082;
- Title 22 metals by EPA Method 6010/7471; and

- Total Characteristic Leaching Procedure (TCLP) and Soluble Threshold Limit Concentration (STLC) Waste Extraction Test (WET) for select samples exceeding their respective trigger limits.

5 SOIL ANALYTICAL RESULTS

Analytical results for DRO, MRO, GRO, VOCs, OCPs, and PCBs are presented on Table 1 and results for Title 22 Metals are presented in Table 2. Analytical results are summarized and compared to the San Francisco Bay Regional Water Quality Control Board's (RWQCB) 2019 Commercial and Construction Worker Environmental Screening Levels (ESLs) (RWQCB ESLs, 2019).

5.1 Diesel and Motor Oil Range Organics

DRO and MRO were detected above the laboratory reporting limit in shallow soil samples collected from locations B-1, B-2, B-4, and B-5. DRO concentrations ranged from 2.0 to 31 milligrams per kilogram (mg/kg) and MRO concentrations ranged from 8.0 to 37 mg/kg. All DRO and MRO concentrations were below their respective Commercial and Construction Worker ESLs.

5.2 Gasoline Range Organics

No GRO were detected above the laboratory reporting limit.

5.3 Volatile Organic Compounds

No VOCs were detected above the laboratory reporting limit.

5.4 Semi-Volatile Organic Compounds

No SVOCs were detected above the laboratory reporting limit.

5.5 Organochlorine Pesticides

No OCPs were detected above the laboratory reporting limit.

5.6 Polychlorinated Biphenyls

No PCBs were detected above the laboratory reporting limit.

5.7 Title 22 Metals

Title 22 metals detected above the reporting limit included barium, beryllium, chromium, cobalt, copper, lead, mercury, nickel, vanadium, and zinc. All detected Title 22 metals were below their respective Commercial and Construction Worker ESLs.

Concentrations of chromium ranged from 41 to 140 mg/kg and exceeded the STLC trigger limit (50 mg/kg) in samples B-1-2, B-2-2, B-4-2, and B-5-2 and the TCLP trigger limit (100 mg/kg) in sample B-1-2. To further evaluate chromium concentrations against the State of California and Federal Hazardous waste limits, STLC analysis was performed on samples B-1-2, B-2-2, B-4-2, and B-5-2; and TCLP analysis was performed on sample B-1-2. STLC chromium results ranged from 0.11 to 0.17 milligrams per liter (mg/L) and the TCLP chromium result was not detected above the laboratory reporting limit of 0.10 mg/L. All STLC and TCLP analytical results were below the STLC and TCLP limits of 5 mg/L.

A copy of the laboratory analytical reports are provided in Appendix B.

6 CONCLUSIONS

A total of five shallow borings were advanced at select locations on the Site for collection of shallow soil samples on January 25, 2021. Soil samples were analyzed for DRO, MRO, GRO, VOCs, SVOCs, OCPs, PCBs, and Title 22 metals. Ninyo & Moore concludes the following:

- All detections of DRO MRO, Title 22 metals were below their respective Commercial and Construction Worker ESLs. No GRO, VOCs, SVOCs, OCPs, and PCBs were detected above the laboratory reporting limit in any of the samples. Based on the analytical results, shallow soils on-Site are acceptable for re-use on the Site under a commercial use scenario.

- Concentrations of chromium ranged from 41 to 140 mg/kg and exceeded the STLC trigger limit (50 mg/kg) in samples B-1-2, B-2-2, B-4-2, and B-5-2 and the TCLP trigger limit (100 mg/kg) in sample B-1-2. To further evaluate if the shallow soils exceed California and Federal hazardous waste limits for chromium, STLC and TCLP analyses were performed. All STLC and TCLP analytical results were below their respective STLC and TCLP limits. Based on the analytical data, the shallow soils on the Site are considered non-hazardous and can be disposed of at a Class II landfill.

7 LIMITATIONS

The environmental services described in this report have been conducted in general accordance with current regulatory guidelines and the standard-of-care exercised by environmental consultants performing similar work in the project area. No warranty, expressed or implied, is made regarding the professional opinions presented in this report. Variations in site conditions

may exist and conditions not observed or described in this report may be encountered during subsequent activities. Please also note that this study did not include an evaluation of geotechnical conditions or potential geologic hazards.

Ninyo & Moore's opinions and recommendations regarding environmental conditions, as presented in this report, are based on limited subsurface assessment and chemical analysis. Further assessment of potential adverse environmental impacts from past on-site and/or nearby use of hazardous materials may be accomplished by a more comprehensive assessment. The samples collected and used for testing, and the observations made, are believed to be representative of the area(s) evaluated; however, conditions can vary significantly between sampling locations. Variations in soil and/or groundwater conditions will exist beyond the points explored in this evaluation.

The environmental interpretations and opinions contained in this report are based on the results of laboratory tests and analyses intended to detect the presence and concentration of specific chemical or physical constituents in samples collected from the subject site. The testing and analyses have been conducted by an independent laboratory which is certified by the State of California to conduct such tests. Ninyo & Moore has no involvement in, or control over, such testing and analysis. Ninyo & Moore, therefore, disclaims responsibility for any inaccuracy in such laboratory results.

Our conclusions, recommendations, and opinions are based on an analysis of the observed site conditions. It should be understood that the conditions of a site could change with time as a result of natural processes or the activities of man at the subject site or nearby sites. In addition, changes to the applicable laws, regulations, codes, and standards of practice may occur due to government action or the broadening of knowledge. The findings of this report may, therefore, be invalidated over time, in part or in whole, by changes over which Ninyo & Moore has no control.

This document is intended to be used only in its entirety. No portion of the document, by itself, is designed to completely represent any aspect of the project described herein. Ninyo & Moore should be contacted if the reader requires any additional information, or has questions regarding content, interpretations presented, or completeness of this document.

This report is intended exclusively for use by the client. Any use or reuse of the findings, conclusions, and/or recommendations of this report by parties other than the client is undertaken at said parties' sole risk.

TABLES

Table 1 – Soil Analytical Results - GRO, DRO, MRO, VOCs, SVOCs, OCPs, and PCBs

Sample ID	Sample Depth (bgs)	Date Collected	GRO	DRO	MRO	VOCs	SVOCs	OCPs	PCBs
			mg/kg	mg/kg	mg/kg	µg/kg	µg/kg	µg/kg	µg/kg
B-1-2	2	1/25/2021	ND<0.49	31	37	ND	ND	ND	ND
B-2-2	2	1/25/2021	ND<0.49	15	22	ND	ND	ND	ND
B-3-2	2	1/25/2021	ND<0.48	ND<1.1	ND<5.6	ND	ND	ND	ND
B-4-2	2	1/25/2021	ND<0.47	2.6	17	ND	ND	ND	ND
B-5-2	2	1/25/2021	ND<0.47	2.0	8.0	ND	ND	ND	ND
Environmental Screening Levels[1]									
Commercial/Industrial: Shallow Soil Exposure[2]			2,000	1,200	180,000	*	*	*	*
Construction Worker: Any Land Use/Any Depth of Exposure[2]			1,800	1,100	54,000	*	*	*	*

Notes:

GRO = Gasoline Range Organics

DRO = Diesel Range Organics

MRO = Motor Oil Range Organics

VOCs = Volatile Organic Compounds

SVOCs = Semi-volatile Organic Compounds

OCPs = Organochlorine Pesticides

PCBs = Polychlorinated Biphynels

[1] = San Francisco Bay Regional Water Quality Control Board Environmental Screening Level (ESL), Direct Exposure Human Health Risk Levels (Table S-1), 2019 (Rev.2)

[2] = ESLs are in milligrams per kilogram (mg/kg)

* = See ESL Table S-1 for analyte specific ESL

mg/kg - milligrams per kilogram

µg/kg - micrograms per kilogram

bgs = Below ground surface

ND = Not detected above laboratory reporting limit. See laboratory report for analyte specific reporting limit.

Table 2 – Soil Sample Analytical Results - Title 22 Metals

Sample ID	Sample Date	Sample Depth (bgs)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
			(mg/kg)																
B-1-2	1/25/2021	2	ND<2.4	ND<2.4	50	0.60	ND<0.24	**140**	33	43	3.6	ND<0.052	ND<2.4	81	ND<2.4	ND<0.60	ND<2.4	97	45
B-2-2	1/25/2021	2	ND<2.4	ND<2.4	42	0.43	ND<0.24	**76**	28	36	3.2	ND<0.046	ND<2.4	99	ND<2.4	ND<0.59	ND<2.4	51	34
B-3-2	1/25/2021	2	ND<2.2	ND<2.2	66	0.34	ND<0.22	41	24	32	1.5	ND<0.045	ND<2.2	86	ND<2.2	ND<0.56	ND<2.2	28	33
B-4-2	1/25/2021	2	ND<2.5	ND<2.5	130	0.61	ND<0.25	**94**	31	31	7.3	0.056	ND<2.5	110	ND<2.5	ND<0.63	ND<2.5	59	38
B-5-2	1/25/2021	2	ND<2.2	ND<2.2	97	0.48	ND<0.22	**95**	27	39	3.6	ND<0.047	ND<2.2	92	ND<2.2	ND<0.56	ND<2.2	65	37
STLC and TCLP Triggers			(mg/kg)																
STLC[1] x 10			150	50	1,000	7.5	10	50	800	250	50	2.0	3,500	200	10	50	70	240	2,500
TCLP[2] x 20			--	100	2,000	--	20	100	--	--	100	4.0	--	--	20	100	--	--	--
STLC Results			(mg/L)																
B-1-2	1/25/2021	2	--	--	--	--	--	0.17	--	--	--	--	--	--	--	--	--	--	--
B-2-2	1/25/2021	2	--	--	--	--	--	0.11	--	--	--	--	--	--	--	--	--	--	--
B-4-2	1/25/2021	2	--	--	--	--	--	0.12	--	--	--	--	--	--	--	--	--	--	--
B-5-2	1/25/2021	2	--	--	--	--	--	0.15	--	--	--	--	--	--	--	--	--	--	--
TCLP Results			(mg/L)																
B-1-2	1/25/2021	2	--	--	--	--	--	ND<0.10	--	--	--	--	--	--	--	--	--	--	--
Screening Levels and State and Federal Hazardous Limits																			
Commercial ESLs[3]			160	0.31	220,000	230	1,100	1,800,000	350	47,000	320	190	5,800	11,000	5,800	5,800	12	5,800	350,000
Construction Worker ESLs[4]			50	0.98	3,000	27	51	530,000	28	14,000	160	44	1,800	86	1,700	1,800	3.5	470	110,000
TCLP Limit (mg/L)			--	5	100	--	1	5	--	--	5	0.2	--	--	1	5	--	--	--
TTLC Limit[5] (mg/kg)			500	500	10,000	75	100	2,500	8,000	2,500	1,000	20	3,500	2,000	100	500	700	2,400	5,000
STLC Limit (mg/L)			15	5	100	0.75	1	5	80	25	5	0.2	350	20	1	5	7	24	250

Notes:

Title 22 - Title 22 of the California Code of Regulations (CCR). Division 4.5 CCR Section 66262.11

Metals are analyzed by United States Environmental Protection Agency (EPA) Method 6010B (except for mercury, which was analyzed by EPA Method 7471A)

mg/kg = milligrams per kilogram

mg/L = milligrams per liter

ND<x = not detected at or above laboratory reporting limit x

bgs = Below ground surface

bold = concentration exceeds screening trigger and/or limit

[1] Soluble Limit Threshold Concentration, CCR, Title 22. STLC analytical testing trigger level is 10x the STLC

[2] Total Characteristic Leaching Procedure. Testing trigger level is 20x the TCLP limit.

[3] Commercial ESLs - SFRWQCB ESLs, Direct Exposure Human Health Risk Levels (Table S-1), Commercial: Shallow Soil Exposure, Cancer/Non-cancer Hazard (Cancer hazard where appropriate). 2019. Rev. 2

[4] Construction Worker ESLs - SFRWQCB ESLs, Direct Exposure Human Health Risk Levels (Table S-1), Construction Worker: Any Land Use/ Any Depth Soil Exposure. 2019. Rev.2. Most conservative value has been tabulated.

[5] Total Threshold Limit Concentration

-- Not applicable, not available, or not analzyed

FIGURES

NOTE: DIMENSIONS, DIRECTIONS, AND LOCATIONS ARE APPROXIMATE I REFERENCE: USGS, 2018

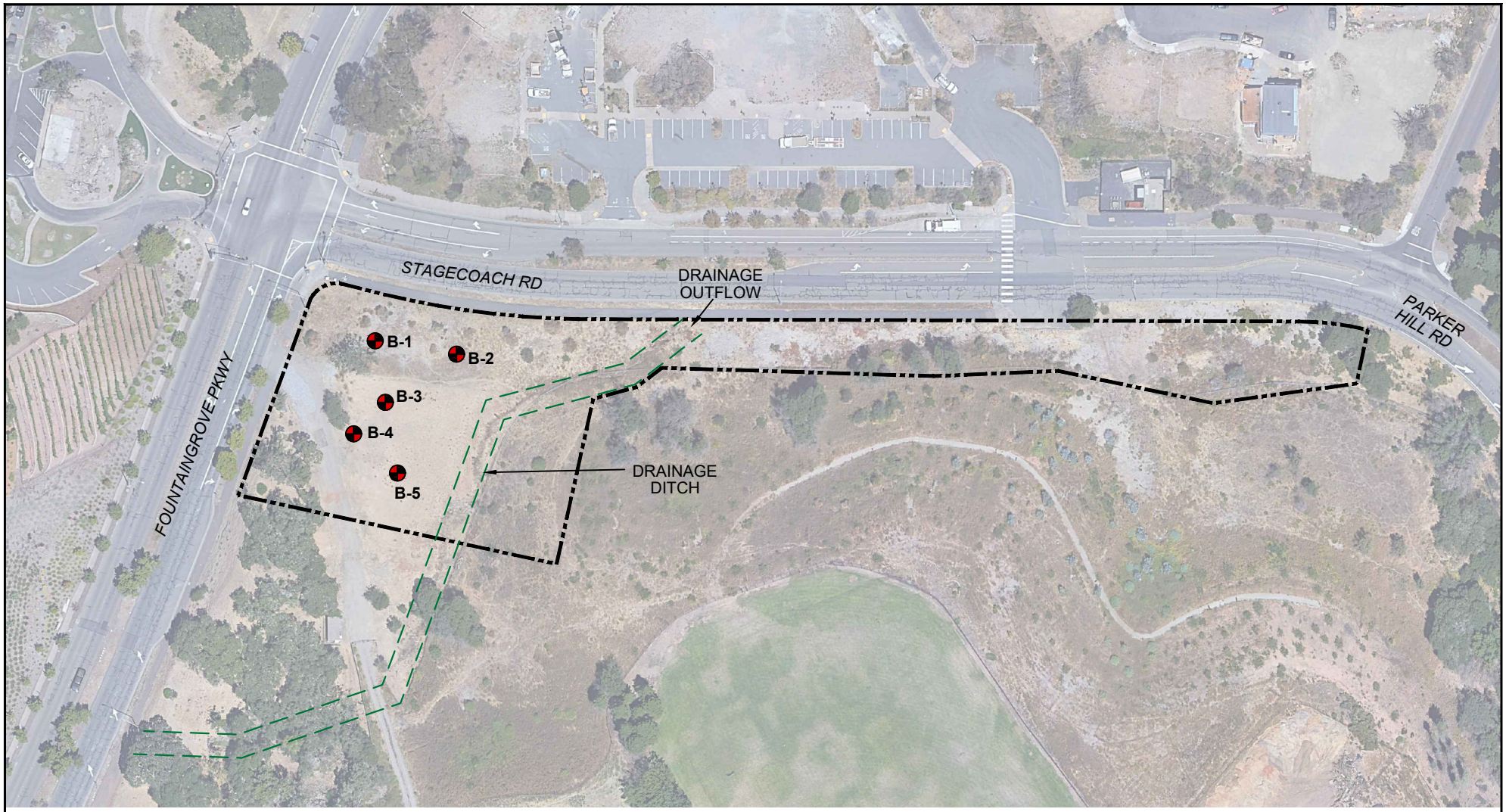
403891003.dwg 02/04/2021 AEK

FIGURE 1

SITE LOCATION

SANTA ROSA FIRE STATION 5
STAGECOACH ROAD AND FOUNTAINGROVE PARKWAY, APN 173-670-022
SANTA ROSA, CALIFORNIA
403891003 I 02/21

Ninyo & Moore
Geotechnical & Environmental Sciences Consultants



LEGEND

SITE BOUNDARY

B-1 SHALLOW SAMPLE LOCATION

NOTE: DIMENSIONS, DIRECTIONS, AND LOCATIONS ARE APPROXIMATE I REFERENCE: GOOGLE EARTH, 2021

N

SCALE (FEET)

0 125 250

403891003.dwg 02/04/2021 AEK

FIGURE 2

Ninyo & Moore

Geotechnical & Environmental Sciences Consultants

SITE PLAN

SANTA ROSA FIRE STATION 5
STAGECOACH ROAD AND FOUNTAINGROVE PARKWAY, APN 173-670-022
SANTA ROSA, CALIFORNIA
403891003 I 02/21

APPENDIX A

Permits

Permit # SR 0017 690

Address: 1400 Fountaingrove Pkwy

(X) Parcel Map (-) ~~RWQCB Concurrence~~

(X) Access Agreement (-) ~~Encroach Permit~~ (-) ~~Attachment 3~~

(X) Work Plan (X) Boring, ~~A~~Well Construction ~~(De)~~ diagrams

(X) Site Map Boring/~~Well~~ Locations (X) Waste Disposal

(X) Health & Safety (X) Approved & emailed on 1/21/21

(X) ECR (X) OnBase (X) I E (X) Emailed JC

( )Construction completed( )Final Report

Notes:

Clerical

( )Check/CC#_____

from_____

( )Invoice#_____

( )Enter in Log( )Enter EC Approval Date

( )E/mailed Date_____

( )1st Verification( )2nd Verification( )Completed

TM

ENTERED JC

COUNTY OF SONOMA — DEPARTMENT OF HEALTH SERVICES
ENVIRONMENTAL HEALTH & SAFETY
625 5th Street, Santa Rosa, CA 95404
Phone (707) 565-6565 Fax (707) 565-6525 www.sonoma-county.org

DEPT OF HEALTH SVCS

APPLICATION FOR DRILLING PERMIT
for Regional Board Lead/Environmental Assessment/LOP Lead

JAN 19 2021

ENVIRONMENTAL HEALTH & SAFETY

For Office Use Only
Amount Paid $868.-
Receipt Number crcd 04365C PE 1406
Payment Date 1/19/21 Rev. Code
Site ID# FA0021055
Permit # SR0017690

Permit Type:

☐ Monitoring Well ☒ Borings ☐ Destruct ☒ Environmental Assessment

Well Type: ☐ Remediation Well ☐ Extraction Well ☐ Soil Vapor
☐ Other

On-Site Well ID # # Off-Site Well ID

On-Site Boring 5 ID # B-1 through B-5 # Off-Site Boring ID

Submit legal right-of-entry/off-site well address/encroachment permit

Site Address Stagecoach Road and Fountaingrove Parkway (see map) AP# 173-670-022

Facility Name

Site Owner Keysight Technologies, Inc. Phone 707-577-5888

Street 1400 Fountain Grove Parkway City Santa Rosa State CA Zip 95403

Responsible Party City of Santa Rosa Phone 707-543-3909

Street 69 Stony Circle City Santa Rosa State CA Zip 95401

Consultant Ninyo & Moore License#/Type Phone 510-691-7695

Street 2020 Challenger Drive, Suite 103 City Alameda State CA Zip 94501

License #/Type Email bfong@ninyoandmoore.com

Drilling Contractor PeneCore Drilling Phone

Street 220 N. East Street City Woodland State CA Zip 95776

C-57 License 906899

Disposal method for soil cuttings Very minimal cuttings will generated and placed back in hole.

Disposal method for development water No development water will be generated.

Drilling method Hand auger

Method of drill equipment rinsate containment and disposal Less than 5 gallons anticipated. Will be containerized in bucket.

If destroying a well, abandonment method

Submit plot plan of wells in relation to all sewer or septic lines.

Is well to be constructed within: 100 feet of a septic tank or leach field? ☐ Yes ☐ No
50 feet of any sanitary sewer line? ☐ Yes ☐ No
25 feet of any private sanitary sewer line? ☐ Yes ☐ No

In addition, all monitoring wells must include an ***identification system*** affixed to the interior surface:

1) Well identification 2) Well type 3) Well depth 4) Well casing diameter 5) Perforated intervals

Well identification number and well type shall be ***affixed*** to the ***exterior surface*** security structure.

TM

For Office Use Only

Address 1400 Fountaingrove Pky
Santa Rosa CA 95403

Site ID# FA0021055

Permit # SR0017690

I hereby agree to comply with all laws and regulations of the County of Sonoma and State of California pertaining to water well construction. I will telephone (707) 565-6565, 48 hours in advance, to notify the Environmental Health Specialist when completing or destroying a well. I will furnish the Director of Environmental Health and the owner a legible copy of the State Water Well Driller's Report within 15 days; and a copy of the Summary Report, including sample results, should be received by the Department of Health Services, Environmental Health and Safety Section within 90 days in order to obtain final approval on this well permit. I acknowledge that the application will become a permit *only* after site approval and payment of fee. I understand that this permit is not transferable and expires one year from date of issuance.

_____ Date 1.7.21

Signature of Well Driller—*no proxies (Wet Signature Required)*

Insurance Carrier SCIF Expiration Date 8.1.21

Once all wells/borings are installed, submit a Well Driller's Log and/or Summary Report to complete permit process.

Indicate on attached plot plan the exact location of well(s) with respect to the following items: property lines, water bodies or water courses drainage pattern, roads, existing wells, sewer main and laterals and private sewage disposal systems or other sources of contamination or pollution. INCLUDE DIMENSIONS. The validity of this permit depends upon the accuracy of the information provided by the applicant.

Conditions of permit: * Provide 48hrs notice before drilling.
* Provide Final Report w/in 90days of Work Completion.

FOR OFFICE USE ONLY – ENVIRONMENTAL HEALTH & SAFETY

Permit approved by _____ Date 1/21/21

Constr. approved by _____ Observed? ☐ Yes ☐ No Well # _____ Date _____

RWQCB/LOP approval _____ Date _____

Drilling Permit Application Rev 0814.Docx (Revised August 2014)

Distribution: ☐File ☐Driller ☐Consultant ☐Owner/Resp. Party

APPENDIX B

Laboratory Analytical Reports

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Tel: (916)373-5600

Laboratory Job ID: 320-69284-1
Client Project/Site: Santa Rosa Fire Station 5

For:
Ninyo & Moore
2020 Challenger Drive
Suite 103
Alameda, California 94501

Attn: Bryan Fong

Authorized for release by:
2/9/2021 4:27:40 PM

Afsaneh Salimpour, Senior Project Manager
(925)484-1919
Afsaneh.Salimpour@Eurofinset.com

Table of Contents

Definitions/Glossary

Client: Ninyo & Moore
Job ID: 320-69284-1
Project/Site: Santa Rosa Fire Station 5

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.

GC Semi VOA

Qualifier	Qualifier Description
F2	MS/MSD RPD exceeds control limits
S1-	Surrogate recovery exceeds control limits, low biased.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Ninyo & Moore
Project/Site: Santa Rosa Fire Station 5

Job ID: 320-69284-1

Job ID: 320-69284-1

Laboratory: Eurofins TestAmerica, Sacramento

Narrative

Job Narrative
320-69284-1

Comments
No additional comments.

Receipt
The samples were received on 1/25/2021 3:25 PM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 5.1º C.

GC/MS VOA
Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 320-455938 and analytical batch 320-456610.

Method 8260B: The following analyte(s) recovered outside control limits for the LCSD associated with analytical batch 320-456610: 1,2-Dibromo-3-Chloropropane. This is not indicative of a systematic control problem because these were random marginal exceedances. Qualified results have been reported.

Method 8260B/CA_LUFTMS: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 320-455938 and analytical batch 320-456612.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA
Method 8015B: Surrogate recovery for the following sample was outside control limits: B-4-2 (320-69284-4). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8081A: The matrix spiike/matrix spike duplicate (MS/MSD) precision for preparation batch 320-456729 and analytical batch 320-459218 were outside control limits for Methoxychlor. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8082: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 320-456730 and analytical batch 320-459063 was outside control limits. Sample non-homogeneity is suspected.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Ninyo & Moore
Project/Site: Santa Rosa Fire Station 5

Job ID: 320-69284-1

Client Sample ID: B-1-2 — Lab Sample ID: 320-69284-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	31		1.2		mg/Kg	1	☼	8015B	Total/NA
Motor Oil Range Organics [C28-C40]	37		5.8		mg/Kg	1	☼	8015B	Total/NA
Barium	50		1.2		mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.60		0.24		mg/Kg	1	☼	6010B	Total/NA
Chromium	140		0.60		mg/Kg	1	☼	6010B	Total/NA
Cobalt	33		0.60		mg/Kg	1	☼	6010B	Total/NA
Copper	43		1.8		mg/Kg	1	☼	6010B	Total/NA
Lead	3.6		1.2		mg/Kg	1	☼	6010B	Total/NA
Nickel	81		1.2		mg/Kg	1	☼	6010B	Total/NA
Vanadium	97		0.60		mg/Kg	1	☼	6010B	Total/NA
Zinc	45		2.4		mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: B-2-2 — Lab Sample ID: 320-69284-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	15		1.2		mg/Kg	1	☼	8015B	Total/NA
Motor Oil Range Organics [C28-C40]	22		6.0		mg/Kg	1	☼	8015B	Total/NA
Barium	42		1.2		mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.43		0.24		mg/Kg	1	☼	6010B	Total/NA
Chromium	76		0.59		mg/Kg	1	☼	6010B	Total/NA
Cobalt	28		0.59		mg/Kg	1	☼	6010B	Total/NA
Copper	36		1.8		mg/Kg	1	☼	6010B	Total/NA
Lead	3.2		1.2		mg/Kg	1	☼	6010B	Total/NA
Nickel	99		1.2		mg/Kg	1	☼	6010B	Total/NA
Vanadium	51		0.59		mg/Kg	1	☼	6010B	Total/NA
Zinc	34		2.4		mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: B-3-2 — Lab Sample ID: 320-69284-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	66		1.1		mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.34		0.22		mg/Kg	1	☼	6010B	Total/NA
Chromium	41		0.56		mg/Kg	1	☼	6010B	Total/NA
Cobalt	24		0.56		mg/Kg	1	☼	6010B	Total/NA
Copper	32		1.7		mg/Kg	1	☼	6010B	Total/NA
Lead	1.5		1.1		mg/Kg	1	☼	6010B	Total/NA
Nickel	86		1.1		mg/Kg	1	☼	6010B	Total/NA
Vanadium	28		0.56		mg/Kg	1	☼	6010B	Total/NA
Zinc	33		2.2		mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: B-4-2 — Lab Sample ID: 320-69284-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	2.6		1.3		mg/Kg	1	☼	8015B	Total/NA
Motor Oil Range Organics [C28-C40]	17		6.3		mg/Kg	1	☼	8015B	Total/NA
Barium	130		1.3		mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.61		0.25		mg/Kg	1	☼	6010B	Total/NA
Chromium	94		0.63		mg/Kg	1	☼	6010B	Total/NA
Cobalt	31		0.63		mg/Kg	1	☼	6010B	Total/NA
Copper	31		1.9		mg/Kg	1	☼	6010B	Total/NA
Lead	7.3		1.3		mg/Kg	1	☼	6010B	Total/NA
Nickel	110		1.3		mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Sacramento

Client Sample ID: B-4-2 (Continued)

Lab Sample ID: 320-69284-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vanadium	59		0.63		mg/Kg	1	☼	6010B	Total/NA
Zinc	38		2.5		mg/Kg	1	☼	6010B	Total/NA
Mercury	0.056		0.050		mg/Kg	1	☼	7471A	Total/NA

Client Sample ID: B-5-2

Lab Sample ID: 320-69284-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	2.0		1.1		mg/Kg	1	☼	8015B	Total/NA
Motor Oil Range Organics [C28-C40]	8.0		5.7		mg/Kg	1	☼	8015B	Total/NA
Barium	97		1.1		mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.48		0.22		mg/Kg	1	☼	6010B	Total/NA
Chromium	95		0.56		mg/Kg	1	☼	6010B	Total/NA
Cobalt	27		0.56		mg/Kg	1	☼	6010B	Total/NA
Copper	39		1.7		mg/Kg	1	☼	6010B	Total/NA
Lead	3.6		1.1		mg/Kg	1	☼	6010B	Total/NA
Nickel	92		1.1		mg/Kg	1	☼	6010B	Total/NA
Vanadium	65		0.56		mg/Kg	1	☼	6010B	Total/NA
Zinc	37		2.2		mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: B-1-2

Date Collected: 01/25/21 10:51
Date Received: 01/25/21 15:25

Lab Sample ID: 320-69284-1

Matrix: Solid
Percent Solids: 83.1

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C4-C12	ND		0.49		mg/Kg	☼	01/25/21 15:25	01/29/21 11:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 131*	*01/25/21 15:25*	*01/29/21 11:30*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20		ug/Kg	☼	01/25/21 15:25	01/29/21 11:30	1
Benzene	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:30	1
Bromobenzene	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:30	1
Bromochloromethane	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:30	1
Bromodichloromethane	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:30	1
Bromoform	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:30	1
Bromomethane	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:30	1
2-Butanone (MEK)	ND		9.8		ug/Kg	☼	01/25/21 15:25	01/29/21 11:30	1
Carbon disulfide	ND		9.8		ug/Kg	☼	01/25/21 15:25	01/29/21 11:30	1
Carbon tetrachloride	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:30	1
Chlorobenzene	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:30	1
Chloroethane	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:30	1
Chloroform	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:30	1
Chloromethane	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:30	1
2-Chlorotoluene	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:30	1
4-Chlorotoluene	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:30	1
cis-1,2-Dichloroethene	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:30	1
cis-1,3-Dichloropropene	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:30	1
Dibromochloromethane	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:30	1
1,2-Dibromo-3-Chloropropane	ND	*-	9.8		ug/Kg	☼	01/25/21 15:25	01/29/21 11:30	1
1,2-Dibromoethane (EDB)	ND		9.8		ug/Kg	☼	01/25/21 15:25	01/29/21 11:30	1
Dibromomethane	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:30	1
1,2-Dichlorobenzene	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:30	1
1,3-Dichlorobenzene	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:30	1
1,4-Dichlorobenzene	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:30	1
Dichlorodifluoromethane	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:30	1
1,1-Dichloroethane	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:30	1
1,2-Dichloroethane	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:30	1
1,1-Dichloroethene	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:30	1
1,2-Dichloropropane	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:30	1
1,3-Dichloropropane	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:30	1
2,2-Dichloropropane	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:30	1
1,1-Dichloropropene	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:30	1
Di-isopropyl ether (DIPE)	ND		9.8		ug/Kg	☼	01/25/21 15:25	01/29/21 11:30	1
Ethylbenzene	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:30	1
Ethyl-t-butyl ether (ETBE)	ND		9.8		ug/Kg	☼	01/25/21 15:25	01/29/21 11:30	1
Hexachlorobutadiene	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:30	1
2-Hexanone	ND		9.8		ug/Kg	☼	01/25/21 15:25	01/29/21 11:30	1
Isopropylbenzene	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:30	1
Methylene Chloride	ND		9.8		ug/Kg	☼	01/25/21 15:25	01/29/21 11:30	1
4-Methyl-2-pentanone (MIBK)	ND		9.8		ug/Kg	☼	01/25/21 15:25	01/29/21 11:30	1
Methyl-t-Butyl Ether (MTBE)	ND		9.8		ug/Kg	☼	01/25/21 15:25	01/29/21 11:30	1

Client Sample ID: B-1-2
Date Collected: 01/25/21 10:51
Date Received: 01/25/21 15:25

Lab Sample ID: 320-69284-1
Matrix: Solid
Percent Solids: 83.1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:30	1
Naphthalene	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:30	1
n-Butylbenzene	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:30	1
N-Propylbenzene	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:30	1
o-Xylene	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:30	1
p-Isopropyltoluene	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:30	1
sec-Butylbenzene	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:30	1
Styrene	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:30	1
tert-Butyl alcohol (TBA)	ND		250		ug/Kg	☼	01/25/21 15:25	01/29/21 11:30	1
tert-Butylbenzene	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:30	1
1,1,1,2-Tetrachloroethane	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:30	1
1,1,2,2-Tetrachloroethane	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:30	1
Tetrachloroethene	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:30	1
Toluene	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:30	1
trans-1,2-Dichloroethene	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:30	1
trans-1,3-Dichloropropene	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:30	1
1,2,3-Trichlorobenzene	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:30	1
1,2,4-Trichlorobenzene	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:30	1
1,1,1-Trichloroethane	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:30	1
1,1,2-Trichloroethane	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:30	1
Trichloroethene	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:30	1
Trichlorofluoromethane	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:30	1
1,2,3-Trichloropropane	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		9.8		ug/Kg	☼	01/25/21 15:25	01/29/21 11:30	1
1,2,4-Trimethylbenzene	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:30	1
1,3,5-Trimethylbenzene	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:30	1
Vinyl acetate	ND		9.8		ug/Kg	☼	01/25/21 15:25	01/29/21 11:30	1
Vinyl chloride	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:30	1
Xylenes, Total	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*63 - 143*	*01/25/21 15:25*	*01/29/21 11:30*	*1*
Dibromofluoromethane (Surr)	*101*		*55 - 129*	*01/25/21 15:25*	*01/29/21 11:30*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*32 - 156*	*01/25/21 15:25*	*01/29/21 11:30*	*1*
Toluene-d8 (Surr)	*95*		*63 - 138*	*01/25/21 15:25*	*01/29/21 11:30*	*1*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 17:48	1
Acenaphthylene	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 17:48	1
Anthracene	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 17:48	1
Benzo[a]anthracene	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 17:48	1
Benzo[b]fluoranthene	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 17:48	1
Benzo[k]fluoranthene	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 17:48	1
Benzo[g,h,i]perylene	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 17:48	1
Benzo[a]pyrene	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 17:48	1
Bis(2-chloroethoxy)methane	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 17:48	1
Bis(2-chloroethyl)ether	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 17:48	1
bis (2-chloroisopropyl) ether	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 17:48	1
Bis(2-ethylhexyl) phthalate	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 17:48	1

Client Sample ID: B-1-2
Date Collected: 01/25/21 10:51
Date Received: 01/25/21 15:25

Lab Sample ID: 320-69284-1
Matrix: Solid
Percent Solids: 83.1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Bromophenyl phenyl ether	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 17:48	1
Butyl benzyl phthalate	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 17:48	1
4-Chloroaniline	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 17:48	1
4-Chloro-3-methylphenol	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 17:48	1
2-Chloronaphthalene	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 17:48	1
2-Chlorophenol	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 17:48	1
4-Chlorophenyl phenyl ether	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 17:48	1
Chrysene	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 17:48	1
Dibenz(a,h)anthracene	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 17:48	1
Dibenzofuran	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 17:48	1
Di-n-butyl phthalate	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 17:48	1
1,2-Dichlorobenzene	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 17:48	1
1,3-Dichlorobenzene	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 17:48	1
1,4-Dichlorobenzene	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 17:48	1
3,3'-Dichlorobenzidine	ND		1900		ug/Kg	☼	01/29/21 10:58	02/03/21 17:48	1
2,4-Dichlorophenol	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 17:48	1
Diethyl phthalate	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 17:48	1
2,4-Dimethylphenol	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 17:48	1
Dimethyl phthalate	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 17:48	1
4,6-Dinitro-2-methylphenol	ND		1900		ug/Kg	☼	01/29/21 10:58	02/03/21 17:48	1
2,4-Dinitrophenol	ND		1900		ug/Kg	☼	01/29/21 10:58	02/03/21 17:48	1
2,4-Dinitrotoluene	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 17:48	1
2,6-Dinitrotoluene	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 17:48	1
Di-n-octyl phthalate	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 17:48	1
Fluoranthene	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 17:48	1
Fluorene	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 17:48	1
Hexachlorobenzene	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 17:48	1
Hexachlorobutadiene	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 17:48	1
Hexachlorocyclopentadiene	ND		1900		ug/Kg	☼	01/29/21 10:58	02/03/21 17:48	1
Hexachloroethane	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 17:48	1
Indeno[1,2,3-cd]pyrene	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 17:48	1
Isophorone	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 17:48	1
2-Methylnaphthalene	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 17:48	1
2-Methylphenol	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 17:48	1
3-Methylphenol & 4-Methylphenol	ND		780		ug/Kg	☼	01/29/21 10:58	02/03/21 17:48	1
Naphthalene	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 17:48	1
2-Nitroaniline	ND		1900		ug/Kg	☼	01/29/21 10:58	02/03/21 17:48	1
3-Nitroaniline	ND		1900		ug/Kg	☼	01/29/21 10:58	02/03/21 17:48	1
4-Nitroaniline	ND		1900		ug/Kg	☼	01/29/21 10:58	02/03/21 17:48	1
Nitrobenzene	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 17:48	1
2-Nitrophenol	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 17:48	1
4-Nitrophenol	ND		1900		ug/Kg	☼	01/29/21 10:58	02/03/21 17:48	1
N-Nitrosodiphenylamine	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 17:48	1
N-Nitrosodi-n-propylamine	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 17:48	1
Pentachlorophenol	ND		1900		ug/Kg	☼	01/29/21 10:58	02/03/21 17:48	1
Phenanthrene	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 17:48	1
Phenol	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 17:48	1
Pyrene	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 17:48	1
1,2,4-Trichlorobenzene	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 17:48	1

Client Sample ID: B-1-2
Date Collected: 01/25/21 10:51
Date Received: 01/25/21 15:25

Lab Sample ID: 320-69284-1
Matrix: Solid
Percent Solids: 83.1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 17:48	1
2,4,6-Trichlorophenol	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 17:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*78*		*57 - 124*	*01/29/21 10:58*	*02/03/21 17:48*	*1*
2-Fluorobiphenyl (Surr)	*69*		*59 - 99*	*01/29/21 10:58*	*02/03/21 17:48*	*1*
2-Fluorophenol (Surr)	*69*		*56 - 96*	*01/29/21 10:58*	*02/03/21 17:48*	*1*
Nitrobenzene-d5 (Surr)	*61*		*57 - 97*	*01/29/21 10:58*	*02/03/21 17:48*	*1*
Phenol-d5 (Surr)	*70*		*58 - 98*	*01/29/21 10:58*	*02/03/21 17:48*	*1*
Terphenyl-d14 (Surr)	*78*		*70 - 112*	*01/29/21 10:58*	*02/03/21 17:48*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**31**		1.2		mg/Kg	☼	01/29/21 09:40	02/01/21 16:49	1
Motor Oil Range Organics [C28-C40]	**37**		5.8		mg/Kg	☼	01/29/21 09:40	02/01/21 16:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*73*		*63 - 141*	*01/29/21 09:40*	*02/01/21 16:49*	*1*

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		2.0		ug/Kg	☼	01/29/21 11:13	02/04/21 20:38	1
4,4'-DDE	ND		2.0		ug/Kg	☼	01/29/21 11:13	02/04/21 20:38	1
4,4'-DDT	ND		2.0		ug/Kg	☼	01/29/21 11:13	02/04/21 20:38	1
Aldrin	ND		2.0		ug/Kg	☼	01/29/21 11:13	02/04/21 20:38	1
alpha-BHC	ND		2.0		ug/Kg	☼	01/29/21 11:13	02/04/21 20:38	1
beta-BHC	ND		2.0		ug/Kg	☼	01/29/21 11:13	02/04/21 20:38	1
gamma-BHC (Lindane)	ND		2.0		ug/Kg	☼	01/29/21 11:13	02/04/21 20:38	1
delta-BHC	ND		2.0		ug/Kg	☼	01/29/21 11:13	02/04/21 20:38	1
cis-Chlordane	ND		2.0		ug/Kg	☼	01/29/21 11:13	02/04/21 20:38	1
trans-Chlordane	ND		2.0		ug/Kg	☼	01/29/21 11:13	02/04/21 20:38	1
Dieldrin	ND		2.0		ug/Kg	☼	01/29/21 11:13	02/04/21 20:38	1
Endosulfan I	ND		2.0		ug/Kg	☼	01/29/21 11:13	02/04/21 20:38	1
Endosulfan II	ND		2.0		ug/Kg	☼	01/29/21 11:13	02/04/21 20:38	1
Endosulfan sulfate	ND		2.0		ug/Kg	☼	01/29/21 11:13	02/04/21 20:38	1
Endrin	ND		2.0		ug/Kg	☼	01/29/21 11:13	02/04/21 20:38	1
Endrin aldehyde	ND		2.0		ug/Kg	☼	01/29/21 11:13	02/04/21 20:38	1
Endrin ketone	ND		2.0		ug/Kg	☼	01/29/21 11:13	02/04/21 20:38	1
Heptachlor	ND		2.0		ug/Kg	☼	01/29/21 11:13	02/04/21 20:38	1
Heptachlor epoxide	ND		2.0		ug/Kg	☼	01/29/21 11:13	02/04/21 20:38	1
Methoxychlor	ND	F2	4.0		ug/Kg	☼	01/29/21 11:13	02/04/21 20:38	1
Toxaphene	ND		80		ug/Kg	☼	01/29/21 11:13	02/04/21 20:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*67*		*47 - 107*	*01/29/21 11:13*	*02/04/21 20:38*	*1*
DCB Decachlorobiphenyl	*100*		*46 - 109*	*01/29/21 11:13*	*02/04/21 20:38*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		39		ug/Kg	☼	01/29/21 11:15	02/05/21 18:04	1

Client Sample ID: B-1-2

Date Collected: 01/25/21 10:51
Date Received: 01/25/21 15:25

Lab Sample ID: 320-69284-1

Matrix: Solid
Percent Solids: 83.1

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1221	ND		39		ug/Kg	☼	01/29/21 11:15	02/05/21 18:04	1
PCB-1232	ND		39		ug/Kg	☼	01/29/21 11:15	02/05/21 18:04	1
PCB-1242	ND		39		ug/Kg	☼	01/29/21 11:15	02/05/21 18:04	1
PCB-1248	ND		39		ug/Kg	☼	01/29/21 11:15	02/05/21 18:04	1
PCB-1254	ND		39		ug/Kg	☼	01/29/21 11:15	02/05/21 18:04	1
PCB-1260	ND		39		ug/Kg	☼	01/29/21 11:15	02/05/21 18:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*90*		*52 - 138*	*01/29/21 11:15*	*02/05/21 18:04*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		2.4		mg/Kg	☼	01/28/21 12:51	02/02/21 16:06	1
Arsenic	ND		2.4		mg/Kg	☼	01/28/21 12:51	02/02/21 16:06	1
Barium	**50**		1.2		mg/Kg	☼	01/28/21 12:51	02/02/21 16:06	1
Beryllium	**0.60**		0.24		mg/Kg	☼	01/28/21 12:51	02/02/21 16:06	1
Cadmium	ND		0.24		mg/Kg	☼	01/28/21 12:51	02/02/21 16:06	1
Chromium	**140**		0.60		mg/Kg	☼	01/28/21 12:51	02/02/21 16:06	1
Cobalt	**33**		0.60		mg/Kg	☼	01/28/21 12:51	02/02/21 16:06	1
Copper	**43**		1.8		mg/Kg	☼	01/28/21 12:51	02/02/21 16:06	1
Lead	**3.6**		1.2		mg/Kg	☼	01/28/21 12:51	02/02/21 16:06	1
Molybdenum	ND		2.4		mg/Kg	☼	01/28/21 12:51	02/02/21 16:06	1
Nickel	**81**		1.2		mg/Kg	☼	01/28/21 12:51	02/02/21 16:06	1
Selenium	ND		2.4		mg/Kg	☼	01/28/21 12:51	02/02/21 16:06	1
Silver	ND		0.60		mg/Kg	☼	01/28/21 12:51	02/02/21 16:06	1
Thallium	ND		2.4		mg/Kg	☼	01/28/21 12:51	02/02/21 16:06	1
Vanadium	**97**		0.60		mg/Kg	☼	01/28/21 12:51	02/02/21 16:06	1
Zinc	**45**		2.4		mg/Kg	☼	01/28/21 12:51	02/02/21 16:06	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.052		mg/Kg	☼	01/27/21 11:51	01/28/21 10:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**16.9**		0.1		%			01/28/21 13:08	1

Client: Ninyo & Moore
Project/Site: Santa Rosa Fire Station 5

Job ID: 320-69284-1

Client Sample ID: B-2-2

Date Collected: 01/25/21 10:38
Date Received: 01/25/21 15:25

Lab Sample ID: 320-69284-2

Matrix: Solid
Percent Solids: 83.5

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C4-C12	ND		0.49		mg/Kg	☼	01/25/21 15:25	01/29/21 11:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 131*	*01/25/21 15:25*	*01/29/21 11:54*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20		ug/Kg	☼	01/25/21 15:25	01/29/21 11:54	1
Benzene	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:54	1
Bromobenzene	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:54	1
Bromochloromethane	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:54	1
Bromodichloromethane	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:54	1
Bromoform	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:54	1
Bromomethane	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:54	1
2-Butanone (MEK)	ND		9.8		ug/Kg	☼	01/25/21 15:25	01/29/21 11:54	1
Carbon disulfide	ND		9.8		ug/Kg	☼	01/25/21 15:25	01/29/21 11:54	1
Carbon tetrachloride	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:54	1
Chlorobenzene	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:54	1
Chloroethane	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:54	1
Chloroform	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:54	1
Chloromethane	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:54	1
2-Chlorotoluene	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:54	1
4-Chlorotoluene	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:54	1
cis-1,2-Dichloroethene	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:54	1
cis-1,3-Dichloropropene	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:54	1
Dibromochloromethane	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:54	1
1,2-Dibromo-3-Chloropropane	ND	*-	9.8		ug/Kg	☼	01/25/21 15:25	01/29/21 11:54	1
1,2-Dibromoethane (EDB)	ND		9.8		ug/Kg	☼	01/25/21 15:25	01/29/21 11:54	1
Dibromomethane	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:54	1
1,2-Dichlorobenzene	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:54	1
1,3-Dichlorobenzene	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:54	1
1,4-Dichlorobenzene	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:54	1
Dichlorodifluoromethane	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:54	1
1,1-Dichloroethane	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:54	1
1,2-Dichloroethane	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:54	1
1,1-Dichloroethene	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:54	1
1,2-Dichloropropane	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:54	1
1,3-Dichloropropane	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:54	1
2,2-Dichloropropane	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:54	1
1,1-Dichloropropene	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:54	1
Di-isopropyl ether (DIPE)	ND		9.8		ug/Kg	☼	01/25/21 15:25	01/29/21 11:54	1
Ethylbenzene	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:54	1
Ethyl-t-butyl ether (ETBE)	ND		9.8		ug/Kg	☼	01/25/21 15:25	01/29/21 11:54	1
Hexachlorobutadiene	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:54	1
2-Hexanone	ND		9.8		ug/Kg	☼	01/25/21 15:25	01/29/21 11:54	1
Isopropylbenzene	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:54	1
Methylene Chloride	ND		9.8		ug/Kg	☼	01/25/21 15:25	01/29/21 11:54	1
4-Methyl-2-pentanone (MIBK)	ND		9.8		ug/Kg	☼	01/25/21 15:25	01/29/21 11:54	1
Methyl-t-Butyl Ether (MTBE)	ND		9.8		ug/Kg	☼	01/25/21 15:25	01/29/21 11:54	1

Client Sample ID: B-2-2
Date Collected: 01/25/21 10:38
Date Received: 01/25/21 15:25

Lab Sample ID: 320-69284-2
Matrix: Solid
Percent Solids: 83.5

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:54	1
Naphthalene	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:54	1
n-Butylbenzene	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:54	1
N-Propylbenzene	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:54	1
o-Xylene	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:54	1
p-Isopropyltoluene	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:54	1
sec-Butylbenzene	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:54	1
Styrene	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:54	1
tert-Butyl alcohol (TBA)	ND		240		ug/Kg	☼	01/25/21 15:25	01/29/21 11:54	1
tert-Butylbenzene	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:54	1
1,1,1,2-Tetrachloroethane	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:54	1
1,1,2,2-Tetrachloroethane	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:54	1
Tetrachloroethene	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:54	1
Toluene	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:54	1
trans-1,2-Dichloroethene	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:54	1
trans-1,3-Dichloropropene	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:54	1
1,2,3-Trichlorobenzene	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:54	1
1,2,4-Trichlorobenzene	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:54	1
1,1,1-Trichloroethane	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:54	1
1,1,2-Trichloroethane	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:54	1
Trichloroethene	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:54	1
Trichlorofluoromethane	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:54	1
1,2,3-Trichloropropane	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		9.8		ug/Kg	☼	01/25/21 15:25	01/29/21 11:54	1
1,2,4-Trimethylbenzene	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:54	1
1,3,5-Trimethylbenzene	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:54	1
Vinyl acetate	ND		9.8		ug/Kg	☼	01/25/21 15:25	01/29/21 11:54	1
Vinyl chloride	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:54	1
Xylenes, Total	ND		4.9		ug/Kg	☼	01/25/21 15:25	01/29/21 11:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*63 - 143*	*01/25/21 15:25*	*01/29/21 11:54*	*1*
Dibromofluoromethane (Surr)	*100*		*55 - 129*	*01/25/21 15:25*	*01/29/21 11:54*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*32 - 156*	*01/25/21 15:25*	*01/29/21 11:54*	*1*
Toluene-d8 (Surr)	*95*		*63 - 138*	*01/25/21 15:25*	*01/29/21 11:54*	*1*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 18:15	1
Acenaphthylene	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 18:15	1
Anthracene	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 18:15	1
Benzo[a]anthracene	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 18:15	1
Benzo[b]fluoranthene	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 18:15	1
Benzo[k]fluoranthene	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 18:15	1
Benzo[g,h,i]perylene	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 18:15	1
Benzo[a]pyrene	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 18:15	1
Bis(2-chloroethoxy)methane	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 18:15	1
Bis(2-chloroethyl)ether	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 18:15	1
bis (2-chloroisopropyl) ether	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 18:15	1
Bis(2-ethylhexyl) phthalate	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 18:15	1

Client: Ninyo & Moore
Project/Site: Santa Rosa Fire Station 5

Job ID: 320-69284-1

Client Sample ID: B-2-2
Date Collected: 01/25/21 10:38
Date Received: 01/25/21 15:25

Lab Sample ID: 320-69284-2
Matrix: Solid
Percent Solids: 83.5

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Bromophenyl phenyl ether	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 18:15	1
Butyl benzyl phthalate	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 18:15	1
4-Chloroaniline	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 18:15	1
4-Chloro-3-methylphenol	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 18:15	1
2-Chloronaphthalene	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 18:15	1
2-Chlorophenol	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 18:15	1
4-Chlorophenyl phenyl ether	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 18:15	1
Chrysene	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 18:15	1
Dibenz(a,h)anthracene	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 18:15	1
Dibenzofuran	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 18:15	1
Di-n-butyl phthalate	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 18:15	1
1,2-Dichlorobenzene	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 18:15	1
1,3-Dichlorobenzene	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 18:15	1
1,4-Dichlorobenzene	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 18:15	1
3,3'-Dichlorobenzidine	ND		1900		ug/Kg	☼	01/29/21 10:58	02/03/21 18:15	1
2,4-Dichlorophenol	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 18:15	1
Diethyl phthalate	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 18:15	1
2,4-Dimethylphenol	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 18:15	1
Dimethyl phthalate	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 18:15	1
4,6-Dinitro-2-methylphenol	ND		1900		ug/Kg	☼	01/29/21 10:58	02/03/21 18:15	1
2,4-Dinitrophenol	ND		1900		ug/Kg	☼	01/29/21 10:58	02/03/21 18:15	1
2,4-Dinitrotoluene	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 18:15	1
2,6-Dinitrotoluene	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 18:15	1
Di-n-octyl phthalate	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 18:15	1
Fluoranthene	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 18:15	1
Fluorene	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 18:15	1
Hexachlorobenzene	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 18:15	1
Hexachlorobutadiene	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 18:15	1
Hexachlorocyclopentadiene	ND		1900		ug/Kg	☼	01/29/21 10:58	02/03/21 18:15	1
Hexachloroethane	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 18:15	1
Indeno[1,2,3-cd]pyrene	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 18:15	1
Isophorone	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 18:15	1
2-Methylnaphthalene	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 18:15	1
2-Methylphenol	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 18:15	1
3-Methylphenol & 4-Methylphenol	ND		790		ug/Kg	☼	01/29/21 10:58	02/03/21 18:15	1
Naphthalene	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 18:15	1
2-Nitroaniline	ND		1900		ug/Kg	☼	01/29/21 10:58	02/03/21 18:15	1
3-Nitroaniline	ND		1900		ug/Kg	☼	01/29/21 10:58	02/03/21 18:15	1
4-Nitroaniline	ND		1900		ug/Kg	☼	01/29/21 10:58	02/03/21 18:15	1
Nitrobenzene	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 18:15	1
2-Nitrophenol	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 18:15	1
4-Nitrophenol	ND		1900		ug/Kg	☼	01/29/21 10:58	02/03/21 18:15	1
N-Nitrosodiphenylamine	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 18:15	1
N-Nitrosodi-n-propylamine	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 18:15	1
Pentachlorophenol	ND		1900		ug/Kg	☼	01/29/21 10:58	02/03/21 18:15	1
Phenanthrene	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 18:15	1
Phenol	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 18:15	1
Pyrene	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 18:15	1
1,2,4-Trichlorobenzene	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 18:15	1

Client Sample ID: B-2-2

Date Collected: 01/25/21 10:38
Date Received: 01/25/21 15:25

Lab Sample ID: 320-69284-2

Matrix: Solid
Percent Solids: 83.5

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 18:15	1
2,4,6-Trichlorophenol	ND		390		ug/Kg	☼	01/29/21 10:58	02/03/21 18:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*78*		*57 - 124*	*01/29/21 10:58*	*02/03/21 18:15*	*1*
2-Fluorobiphenyl (Surr)	*66*		*59 - 99*	*01/29/21 10:58*	*02/03/21 18:15*	*1*
2-Fluorophenol (Surr)	*68*		*56 - 96*	*01/29/21 10:58*	*02/03/21 18:15*	*1*
Nitrobenzene-d5 (Surr)	*60*		*57 - 97*	*01/29/21 10:58*	*02/03/21 18:15*	*1*
Phenol-d5 (Surr)	*65*		*58 - 98*	*01/29/21 10:58*	*02/03/21 18:15*	*1*
Terphenyl-d14 (Surr)	*78*		*70 - 112*	*01/29/21 10:58*	*02/03/21 18:15*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**15**		1.2		mg/Kg	☼	01/29/21 09:40	02/01/21 17:18	1
Motor Oil Range Organics [C28-C40]	**22**		6.0		mg/Kg	☼	01/29/21 09:40	02/01/21 17:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*77*		*63 - 141*	*01/29/21 09:40*	*02/01/21 17:18*	*1*

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		2.0		ug/Kg	☼	01/29/21 11:13	02/04/21 21:35	1
4,4'-DDE	ND		2.0		ug/Kg	☼	01/29/21 11:13	02/04/21 21:35	1
4,4'-DDT	ND		2.0		ug/Kg	☼	01/29/21 11:13	02/04/21 21:35	1
Aldrin	ND		2.0		ug/Kg	☼	01/29/21 11:13	02/04/21 21:35	1
alpha-BHC	ND		2.0		ug/Kg	☼	01/29/21 11:13	02/04/21 21:35	1
beta-BHC	ND		2.0		ug/Kg	☼	01/29/21 11:13	02/04/21 21:35	1
gamma-BHC (Lindane)	ND		2.0		ug/Kg	☼	01/29/21 11:13	02/04/21 21:35	1
delta-BHC	ND		2.0		ug/Kg	☼	01/29/21 11:13	02/04/21 21:35	1
cis-Chlordane	ND		2.0		ug/Kg	☼	01/29/21 11:13	02/04/21 21:35	1
trans-Chlordane	ND		2.0		ug/Kg	☼	01/29/21 11:13	02/04/21 21:35	1
Dieldrin	ND		2.0		ug/Kg	☼	01/29/21 11:13	02/04/21 21:35	1
Endosulfan I	ND		2.0		ug/Kg	☼	01/29/21 11:13	02/04/21 21:35	1
Endosulfan II	ND		2.0		ug/Kg	☼	01/29/21 11:13	02/04/21 21:35	1
Endosulfan sulfate	ND		2.0		ug/Kg	☼	01/29/21 11:13	02/04/21 21:35	1
Endrin	ND		2.0		ug/Kg	☼	01/29/21 11:13	02/04/21 21:35	1
Endrin aldehyde	ND		2.0		ug/Kg	☼	01/29/21 11:13	02/04/21 21:35	1
Endrin ketone	ND		2.0		ug/Kg	☼	01/29/21 11:13	02/04/21 21:35	1
Heptachlor	ND		2.0		ug/Kg	☼	01/29/21 11:13	02/04/21 21:35	1
Heptachlor epoxide	ND		2.0		ug/Kg	☼	01/29/21 11:13	02/04/21 21:35	1
Methoxychlor	ND		3.9		ug/Kg	☼	01/29/21 11:13	02/04/21 21:35	1
Toxaphene	ND		77		ug/Kg	☼	01/29/21 11:13	02/04/21 21:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*60*		*47 - 107*	*01/29/21 11:13*	*02/04/21 21:35*	*1*
Tetrachloro-m-xylene	*82*		*47 - 107*	*01/29/21 11:13*	*02/04/21 21:35*	*1*
DCB Decachlorobiphenyl	*89*		*46 - 109*	*01/29/21 11:13*	*02/04/21 21:35*	*1*
DCB Decachlorobiphenyl	*81*		*46 - 109*	*01/29/21 11:13*	*02/04/21 21:35*	*1*

Client Sample ID: B-2-2

Date Collected: 01/25/21 10:38
Date Received: 01/25/21 15:25

Lab Sample ID: 320-69284-2

Matrix: Solid
Percent Solids: 83.5

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		38		ug/Kg	☼	01/29/21 11:15	02/05/21 18:24	1
PCB-1221	ND		38		ug/Kg	☼	01/29/21 11:15	02/05/21 18:24	1
PCB-1232	ND		38		ug/Kg	☼	01/29/21 11:15	02/05/21 18:24	1
PCB-1242	ND		38		ug/Kg	☼	01/29/21 11:15	02/05/21 18:24	1
PCB-1248	ND		38		ug/Kg	☼	01/29/21 11:15	02/05/21 18:24	1
PCB-1254	ND		38		ug/Kg	☼	01/29/21 11:15	02/05/21 18:24	1
PCB-1260	ND	F2	38		ug/Kg	☼	01/29/21 11:15	02/05/21 18:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*86*		*52 - 138*	*01/29/21 11:15*	*02/05/21 18:24*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		2.4		mg/Kg	☼	01/28/21 12:51	02/02/21 16:10	1
Arsenic	ND		2.4		mg/Kg	☼	01/28/21 12:51	02/02/21 16:10	1
Barium	**42**		1.2		mg/Kg	☼	01/28/21 12:51	02/02/21 16:10	1
Beryllium	**0.43**		0.24		mg/Kg	☼	01/28/21 12:51	02/02/21 16:10	1
Cadmium	ND		0.24		mg/Kg	☼	01/28/21 12:51	02/02/21 16:10	1
Chromium	**76**		0.59		mg/Kg	☼	01/28/21 12:51	02/02/21 16:10	1
Cobalt	**28**		0.59		mg/Kg	☼	01/28/21 12:51	02/02/21 16:10	1
Copper	**36**		1.8		mg/Kg	☼	01/28/21 12:51	02/02/21 16:10	1
Lead	**3.2**		1.2		mg/Kg	☼	01/28/21 12:51	02/02/21 16:10	1
Molybdenum	ND		2.4		mg/Kg	☼	01/28/21 12:51	02/02/21 16:10	1
Nickel	**99**		1.2		mg/Kg	☼	01/28/21 12:51	02/02/21 16:10	1
Selenium	ND		2.4		mg/Kg	☼	01/28/21 12:51	02/02/21 16:10	1
Silver	ND		0.59		mg/Kg	☼	01/28/21 12:51	02/02/21 16:10	1
Thallium	ND		2.4		mg/Kg	☼	01/28/21 12:51	02/02/21 16:10	1
Vanadium	**51**		0.59		mg/Kg	☼	01/28/21 12:51	02/02/21 16:10	1
Zinc	**34**		2.4		mg/Kg	☼	01/28/21 12:51	02/02/21 16:10	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.046		mg/Kg	☼	01/27/21 11:51	01/28/21 11:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**16.5**		0.1		%			01/28/21 13:08	1

Client Sample ID: B-3-2

Date Collected: 01/25/21 10:15
Date Received: 01/25/21 15:25

Lab Sample ID: 320-69284-3

Matrix: Solid
Percent Solids: 87.6

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C4-C12	ND		0.48		mg/Kg	☼	01/25/21 15:25	01/29/21 12:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 131*	*01/25/21 15:25*	*01/29/21 12:17*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		19		ug/Kg	☼	01/25/21 15:25	01/29/21 12:17	1
Benzene	ND		4.8		ug/Kg	☼	01/25/21 15:25	01/29/21 12:17	1
Bromobenzene	ND		4.8		ug/Kg	☼	01/25/21 15:25	01/29/21 12:17	1
Bromochloromethane	ND		4.8		ug/Kg	☼	01/25/21 15:25	01/29/21 12:17	1
Bromodichloromethane	ND		4.8		ug/Kg	☼	01/25/21 15:25	01/29/21 12:17	1
Bromoform	ND		4.8		ug/Kg	☼	01/25/21 15:25	01/29/21 12:17	1
Bromomethane	ND		4.8		ug/Kg	☼	01/25/21 15:25	01/29/21 12:17	1
2-Butanone (MEK)	ND		9.5		ug/Kg	☼	01/25/21 15:25	01/29/21 12:17	1
Carbon disulfide	ND		9.5		ug/Kg	☼	01/25/21 15:25	01/29/21 12:17	1
Carbon tetrachloride	ND		4.8		ug/Kg	☼	01/25/21 15:25	01/29/21 12:17	1
Chlorobenzene	ND		4.8		ug/Kg	☼	01/25/21 15:25	01/29/21 12:17	1
Chloroethane	ND		4.8		ug/Kg	☼	01/25/21 15:25	01/29/21 12:17	1
Chloroform	ND		4.8		ug/Kg	☼	01/25/21 15:25	01/29/21 12:17	1
Chloromethane	ND		4.8		ug/Kg	☼	01/25/21 15:25	01/29/21 12:17	1
2-Chlorotoluene	ND		4.8		ug/Kg	☼	01/25/21 15:25	01/29/21 12:17	1
4-Chlorotoluene	ND		4.8		ug/Kg	☼	01/25/21 15:25	01/29/21 12:17	1
cis-1,2-Dichloroethene	ND		4.8		ug/Kg	☼	01/25/21 15:25	01/29/21 12:17	1
cis-1,3-Dichloropropene	ND		4.8		ug/Kg	☼	01/25/21 15:25	01/29/21 12:17	1
Dibromochloromethane	ND		4.8		ug/Kg	☼	01/25/21 15:25	01/29/21 12:17	1
1,2-Dibromo-3-Chloropropane	ND	*-	9.5		ug/Kg	☼	01/25/21 15:25	01/29/21 12:17	1
1,2-Dibromoethane (EDB)	ND		9.5		ug/Kg	☼	01/25/21 15:25	01/29/21 12:17	1
Dibromomethane	ND		4.8		ug/Kg	☼	01/25/21 15:25	01/29/21 12:17	1
1,2-Dichlorobenzene	ND		4.8		ug/Kg	☼	01/25/21 15:25	01/29/21 12:17	1
1,3-Dichlorobenzene	ND		4.8		ug/Kg	☼	01/25/21 15:25	01/29/21 12:17	1
1,4-Dichlorobenzene	ND		4.8		ug/Kg	☼	01/25/21 15:25	01/29/21 12:17	1
Dichlorodifluoromethane	ND		4.8		ug/Kg	☼	01/25/21 15:25	01/29/21 12:17	1
1,1-Dichloroethane	ND		4.8		ug/Kg	☼	01/25/21 15:25	01/29/21 12:17	1
1,2-Dichloroethane	ND		4.8		ug/Kg	☼	01/25/21 15:25	01/29/21 12:17	1
1,1-Dichloroethene	ND		4.8		ug/Kg	☼	01/25/21 15:25	01/29/21 12:17	1
1,2-Dichloropropane	ND		4.8		ug/Kg	☼	01/25/21 15:25	01/29/21 12:17	1
1,3-Dichloropropane	ND		4.8		ug/Kg	☼	01/25/21 15:25	01/29/21 12:17	1
2,2-Dichloropropane	ND		4.8		ug/Kg	☼	01/25/21 15:25	01/29/21 12:17	1
1,1-Dichloropropene	ND		4.8		ug/Kg	☼	01/25/21 15:25	01/29/21 12:17	1
Di-isopropyl ether (DIPE)	ND		9.5		ug/Kg	☼	01/25/21 15:25	01/29/21 12:17	1
Ethylbenzene	ND		4.8		ug/Kg	☼	01/25/21 15:25	01/29/21 12:17	1
Ethyl-t-butyl ether (ETBE)	ND		9.5		ug/Kg	☼	01/25/21 15:25	01/29/21 12:17	1
Hexachlorobutadiene	ND		4.8		ug/Kg	☼	01/25/21 15:25	01/29/21 12:17	1
2-Hexanone	ND		9.5		ug/Kg	☼	01/25/21 15:25	01/29/21 12:17	1
Isopropylbenzene	ND		4.8		ug/Kg	☼	01/25/21 15:25	01/29/21 12:17	1
Methylene Chloride	ND		9.5		ug/Kg	☼	01/25/21 15:25	01/29/21 12:17	1
4-Methyl-2-pentanone (MIBK)	ND		9.5		ug/Kg	☼	01/25/21 15:25	01/29/21 12:17	1
Methyl-t-Butyl Ether (MTBE)	ND		9.5		ug/Kg	☼	01/25/21 15:25	01/29/21 12:17	1

Client Sample ID: B-3-2
Date Collected: 01/25/21 10:15
Date Received: 01/25/21 15:25

Lab Sample ID: 320-69284-3
Matrix: Solid
Percent Solids: 87.6

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	ND		4.8		ug/Kg	☼	01/25/21 15:25	01/29/21 12:17	1
Naphthalene	ND		4.8		ug/Kg	☼	01/25/21 15:25	01/29/21 12:17	1
n-Butylbenzene	ND		4.8		ug/Kg	☼	01/25/21 15:25	01/29/21 12:17	1
N-Propylbenzene	ND		4.8		ug/Kg	☼	01/25/21 15:25	01/29/21 12:17	1
o-Xylene	ND		4.8		ug/Kg	☼	01/25/21 15:25	01/29/21 12:17	1
p-Isopropyltoluene	ND		4.8		ug/Kg	☼	01/25/21 15:25	01/29/21 12:17	1
sec-Butylbenzene	ND		4.8		ug/Kg	☼	01/25/21 15:25	01/29/21 12:17	1
Styrene	ND		4.8		ug/Kg	☼	01/25/21 15:25	01/29/21 12:17	1
tert-Butyl alcohol (TBA)	ND		240		ug/Kg	☼	01/25/21 15:25	01/29/21 12:17	1
tert-Butylbenzene	ND		4.8		ug/Kg	☼	01/25/21 15:25	01/29/21 12:17	1
1,1,1,2-Tetrachloroethane	ND		4.8		ug/Kg	☼	01/25/21 15:25	01/29/21 12:17	1
1,1,2,2-Tetrachloroethane	ND		4.8		ug/Kg	☼	01/25/21 15:25	01/29/21 12:17	1
Tetrachloroethene	ND		4.8		ug/Kg	☼	01/25/21 15:25	01/29/21 12:17	1
Toluene	ND		4.8		ug/Kg	☼	01/25/21 15:25	01/29/21 12:17	1
trans-1,2-Dichloroethene	ND		4.8		ug/Kg	☼	01/25/21 15:25	01/29/21 12:17	1
trans-1,3-Dichloropropene	ND		4.8		ug/Kg	☼	01/25/21 15:25	01/29/21 12:17	1
1,2,3-Trichlorobenzene	ND		4.8		ug/Kg	☼	01/25/21 15:25	01/29/21 12:17	1
1,2,4-Trichlorobenzene	ND		4.8		ug/Kg	☼	01/25/21 15:25	01/29/21 12:17	1
1,1,1-Trichloroethane	ND		4.8		ug/Kg	☼	01/25/21 15:25	01/29/21 12:17	1
1,1,2-Trichloroethane	ND		4.8		ug/Kg	☼	01/25/21 15:25	01/29/21 12:17	1
Trichloroethene	ND		4.8		ug/Kg	☼	01/25/21 15:25	01/29/21 12:17	1
Trichlorofluoromethane	ND		4.8		ug/Kg	☼	01/25/21 15:25	01/29/21 12:17	1
1,2,3-Trichloropropane	ND		4.8		ug/Kg	☼	01/25/21 15:25	01/29/21 12:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		9.5		ug/Kg	☼	01/25/21 15:25	01/29/21 12:17	1
1,2,4-Trimethylbenzene	ND		4.8		ug/Kg	☼	01/25/21 15:25	01/29/21 12:17	1
1,3,5-Trimethylbenzene	ND		4.8		ug/Kg	☼	01/25/21 15:25	01/29/21 12:17	1
Vinyl acetate	ND		9.5		ug/Kg	☼	01/25/21 15:25	01/29/21 12:17	1
Vinyl chloride	ND		4.8		ug/Kg	☼	01/25/21 15:25	01/29/21 12:17	1
Xylenes, Total	ND		4.8		ug/Kg	☼	01/25/21 15:25	01/29/21 12:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*63 - 143*	*01/25/21 15:25*	*01/29/21 12:17*	*1*
Dibromofluoromethane (Surr)	*105*		*55 - 129*	*01/25/21 15:25*	*01/29/21 12:17*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*32 - 156*	*01/25/21 15:25*	*01/29/21 12:17*	*1*
Toluene-d8 (Surr)	*97*		*63 - 138*	*01/25/21 15:25*	*01/29/21 12:17*	*1*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 18:43	1
Acenaphthylene	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 18:43	1
Anthracene	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 18:43	1
Benzo[a]anthracene	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 18:43	1
Benzo[b]fluoranthene	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 18:43	1
Benzo[k]fluoranthene	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 18:43	1
Benzo[g,h,i]perylene	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 18:43	1
Benzo[a]pyrene	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 18:43	1
Bis(2-chloroethoxy)methane	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 18:43	1
Bis(2-chloroethyl)ether	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 18:43	1
bis (2-chloroisopropyl) ether	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 18:43	1
Bis(2-ethylhexyl) phthalate	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 18:43	1

Client Sample ID: B-3-2
Date Collected: 01/25/21 10:15
Date Received: 01/25/21 15:25

Lab Sample ID: 320-69284-3
Matrix: Solid
Percent Solids: 87.6

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Bromophenyl phenyl ether	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 18:43	1
Butyl benzyl phthalate	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 18:43	1
4-Chloroaniline	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 18:43	1
4-Chloro-3-methylphenol	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 18:43	1
2-Chloronaphthalene	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 18:43	1
2-Chlorophenol	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 18:43	1
4-Chlorophenyl phenyl ether	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 18:43	1
Chrysene	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 18:43	1
Dibenz(a,h)anthracene	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 18:43	1
Dibenzofuran	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 18:43	1
Di-n-butyl phthalate	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 18:43	1
1,2-Dichlorobenzene	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 18:43	1
1,3-Dichlorobenzene	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 18:43	1
1,4-Dichlorobenzene	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 18:43	1
3,3'-Dichlorobenzidine	ND		1800		ug/Kg	☼	01/29/21 10:58	02/03/21 18:43	1
2,4-Dichlorophenol	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 18:43	1
Diethyl phthalate	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 18:43	1
2,4-Dimethylphenol	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 18:43	1
Dimethyl phthalate	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 18:43	1
4,6-Dinitro-2-methylphenol	ND		1800		ug/Kg	☼	01/29/21 10:58	02/03/21 18:43	1
2,4-Dinitrophenol	ND		1800		ug/Kg	☼	01/29/21 10:58	02/03/21 18:43	1
2,4-Dinitrotoluene	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 18:43	1
2,6-Dinitrotoluene	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 18:43	1
Di-n-octyl phthalate	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 18:43	1
Fluoranthene	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 18:43	1
Fluorene	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 18:43	1
Hexachlorobenzene	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 18:43	1
Hexachlorobutadiene	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 18:43	1
Hexachlorocyclopentadiene	ND		1800		ug/Kg	☼	01/29/21 10:58	02/03/21 18:43	1
Hexachloroethane	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 18:43	1
Indeno[1,2,3-cd]pyrene	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 18:43	1
Isophorone	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 18:43	1
2-Methylnaphthalene	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 18:43	1
2-Methylphenol	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 18:43	1
3-Methylphenol & 4-Methylphenol	ND		740		ug/Kg	☼	01/29/21 10:58	02/03/21 18:43	1
Naphthalene	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 18:43	1
2-Nitroaniline	ND		1800		ug/Kg	☼	01/29/21 10:58	02/03/21 18:43	1
3-Nitroaniline	ND		1800		ug/Kg	☼	01/29/21 10:58	02/03/21 18:43	1
4-Nitroaniline	ND		1800		ug/Kg	☼	01/29/21 10:58	02/03/21 18:43	1
Nitrobenzene	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 18:43	1
2-Nitrophenol	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 18:43	1
4-Nitrophenol	ND		1800		ug/Kg	☼	01/29/21 10:58	02/03/21 18:43	1
N-Nitrosodiphenylamine	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 18:43	1
N-Nitrosodi-n-propylamine	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 18:43	1
Pentachlorophenol	ND		1800		ug/Kg	☼	01/29/21 10:58	02/03/21 18:43	1
Phenanthrene	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 18:43	1
Phenol	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 18:43	1
Pyrene	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 18:43	1
1,2,4-Trichlorobenzene	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 18:43	1

Client: Ninyo & Moore
Project/Site: Santa Rosa Fire Station 5

Job ID: 320-69284-1

Client Sample ID: B-3-2
Date Collected: 01/25/21 10:15
Date Received: 01/25/21 15:25

Lab Sample ID: 320-69284-3
Matrix: Solid
Percent Solids: 87.6

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 18:43	1
2,4,6-Trichlorophenol	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 18:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*84*		*57 - 124*	*01/29/21 10:58*	*02/03/21 18:43*	*1*
2-Fluorobiphenyl (Surr)	*70*		*59 - 99*	*01/29/21 10:58*	*02/03/21 18:43*	*1*
2-Fluorophenol (Surr)	*75*		*56 - 96*	*01/29/21 10:58*	*02/03/21 18:43*	*1*
Nitrobenzene-d5 (Surr)	*68*		*57 - 97*	*01/29/21 10:58*	*02/03/21 18:43*	*1*
Phenol-d5 (Surr)	*72*		*58 - 98*	*01/29/21 10:58*	*02/03/21 18:43*	*1*
Terphenyl-d14 (Surr)	*83*		*70 - 112*	*01/29/21 10:58*	*02/03/21 18:43*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		1.1		mg/Kg	☼	01/29/21 09:40	02/01/21 14:07	1
Motor Oil Range Organics [C28-C40]	ND		5.6		mg/Kg	☼	01/29/21 09:40	02/01/21 14:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*74*		*63 - 141*	*01/29/21 09:40*	*02/01/21 14:07*	*1*

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.8		ug/Kg	☼	01/29/21 11:13	02/04/21 21:53	1
4,4'-DDE	ND		1.8		ug/Kg	☼	01/29/21 11:13	02/04/21 21:53	1
4,4'-DDT	ND		1.8		ug/Kg	☼	01/29/21 11:13	02/04/21 21:53	1
Aldrin	ND		1.8		ug/Kg	☼	01/29/21 11:13	02/04/21 21:53	1
alpha-BHC	ND		1.8		ug/Kg	☼	01/29/21 11:13	02/04/21 21:53	1
beta-BHC	ND		1.8		ug/Kg	☼	01/29/21 11:13	02/04/21 21:53	1
gamma-BHC (Lindane)	ND		1.8		ug/Kg	☼	01/29/21 11:13	02/04/21 21:53	1
delta-BHC	ND		1.8		ug/Kg	☼	01/29/21 11:13	02/04/21 21:53	1
cis-Chlordane	ND		1.8		ug/Kg	☼	01/29/21 11:13	02/04/21 21:53	1
trans-Chlordane	ND		1.8		ug/Kg	☼	01/29/21 11:13	02/04/21 21:53	1
Dieldrin	ND		1.8		ug/Kg	☼	01/29/21 11:13	02/04/21 21:53	1
Endosulfan I	ND		1.8		ug/Kg	☼	01/29/21 11:13	02/04/21 21:53	1
Endosulfan II	ND		1.8		ug/Kg	☼	01/29/21 11:13	02/04/21 21:53	1
Endosulfan sulfate	ND		1.8		ug/Kg	☼	01/29/21 11:13	02/04/21 21:53	1
Endrin	ND		1.8		ug/Kg	☼	01/29/21 11:13	02/04/21 21:53	1
Endrin aldehyde	ND		1.8		ug/Kg	☼	01/29/21 11:13	02/04/21 21:53	1
Endrin ketone	ND		1.8		ug/Kg	☼	01/29/21 11:13	02/04/21 21:53	1
Heptachlor	ND		1.8		ug/Kg	☼	01/29/21 11:13	02/04/21 21:53	1
Heptachlor epoxide	ND		1.8		ug/Kg	☼	01/29/21 11:13	02/04/21 21:53	1
Methoxychlor	ND		3.7		ug/Kg	☼	01/29/21 11:13	02/04/21 21:53	1
Toxaphene	ND		73		ug/Kg	☼	01/29/21 11:13	02/04/21 21:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*79*		*47 - 107*	*01/29/21 11:13*	*02/04/21 21:53*	*1*
Tetrachloro-m-xylene	*79*		*47 - 107*	*01/29/21 11:13*	*02/04/21 21:53*	*1*
DCB Decachlorobiphenyl	*77*		*46 - 109*	*01/29/21 11:13*	*02/04/21 21:53*	*1*
DCB Decachlorobiphenyl	*80*		*46 - 109*	*01/29/21 11:13*	*02/04/21 21:53*	*1*

Client Sample ID: B-3-2

Date Collected: 01/25/21 10:15
Date Received: 01/25/21 15:25

Lab Sample ID: 320-69284-3

Matrix: Solid
Percent Solids: 87.6

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		36		ug/Kg	☼	01/29/21 11:15	02/05/21 19:24	1
PCB-1221	ND		36		ug/Kg	☼	01/29/21 11:15	02/05/21 19:24	1
PCB-1232	ND		36		ug/Kg	☼	01/29/21 11:15	02/05/21 19:24	1
PCB-1242	ND		36		ug/Kg	☼	01/29/21 11:15	02/05/21 19:24	1
PCB-1248	ND		36		ug/Kg	☼	01/29/21 11:15	02/05/21 19:24	1
PCB-1254	ND		36		ug/Kg	☼	01/29/21 11:15	02/05/21 19:24	1
PCB-1260	ND		36		ug/Kg	☼	01/29/21 11:15	02/05/21 19:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*95*		*52 - 138*	*01/29/21 11:15*	*02/05/21 19:24*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		2.2		mg/Kg	☼	01/28/21 12:51	02/02/21 16:14	1
Arsenic	ND		2.2		mg/Kg	☼	01/28/21 12:51	02/02/21 16:14	1
Barium	**66**		1.1		mg/Kg	☼	01/28/21 12:51	02/02/21 16:14	1
Beryllium	**0.34**		0.22		mg/Kg	☼	01/28/21 12:51	02/02/21 16:14	1
Cadmium	ND		0.22		mg/Kg	☼	01/28/21 12:51	02/02/21 16:14	1
Chromium	**41**		0.56		mg/Kg	☼	01/28/21 12:51	02/02/21 16:14	1
Cobalt	**24**		0.56		mg/Kg	☼	01/28/21 12:51	02/02/21 16:14	1
Copper	**32**		1.7		mg/Kg	☼	01/28/21 12:51	02/02/21 16:14	1
Lead	**1.5**		1.1		mg/Kg	☼	01/28/21 12:51	02/02/21 16:14	1
Molybdenum	ND		2.2		mg/Kg	☼	01/28/21 12:51	02/02/21 16:14	1
Nickel	**86**		1.1		mg/Kg	☼	01/28/21 12:51	02/02/21 16:14	1
Selenium	ND		2.2		mg/Kg	☼	01/28/21 12:51	02/02/21 16:14	1
Silver	ND		0.56		mg/Kg	☼	01/28/21 12:51	02/02/21 16:14	1
Thallium	ND		2.2		mg/Kg	☼	01/28/21 12:51	02/02/21 16:14	1
Vanadium	**28**		0.56		mg/Kg	☼	01/28/21 12:51	02/02/21 16:14	1
Zinc	**33**		2.2		mg/Kg	☼	01/28/21 12:51	02/02/21 16:14	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.045		mg/Kg	☼	01/27/21 11:51	01/28/21 11:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**12.4**		0.1		%			01/28/21 13:08	1

Client Sample ID: B-4-2

Date Collected: 01/25/21 09:59
Date Received: 01/25/21 15:25

Lab Sample ID: 320-69284-4

Matrix: Solid
Percent Solids: 79.2

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C4-C12	ND		0.47		mg/Kg	☼	01/25/21 15:25	01/29/21 13:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 131*	*01/25/21 15:25*	*01/29/21 13:04*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		19		ug/Kg	☼	01/25/21 15:25	01/29/21 13:04	1
Benzene	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:04	1
Bromobenzene	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:04	1
Bromochloromethane	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:04	1
Bromodichloromethane	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:04	1
Bromoform	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:04	1
Bromomethane	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:04	1
2-Butanone (MEK)	ND		9.3		ug/Kg	☼	01/25/21 15:25	01/29/21 13:04	1
Carbon disulfide	ND		9.3		ug/Kg	☼	01/25/21 15:25	01/29/21 13:04	1
Carbon tetrachloride	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:04	1
Chlorobenzene	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:04	1
Chloroethane	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:04	1
Chloroform	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:04	1
Chloromethane	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:04	1
2-Chlorotoluene	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:04	1
4-Chlorotoluene	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:04	1
cis-1,2-Dichloroethene	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:04	1
cis-1,3-Dichloropropene	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:04	1
Dibromochloromethane	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:04	1
1,2-Dibromo-3-Chloropropane	ND	*-	9.3		ug/Kg	☼	01/25/21 15:25	01/29/21 13:04	1
1,2-Dibromoethane (EDB)	ND		9.3		ug/Kg	☼	01/25/21 15:25	01/29/21 13:04	1
Dibromomethane	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:04	1
1,2-Dichlorobenzene	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:04	1
1,3-Dichlorobenzene	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:04	1
1,4-Dichlorobenzene	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:04	1
Dichlorodifluoromethane	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:04	1
1,1-Dichloroethane	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:04	1
1,2-Dichloroethane	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:04	1
1,1-Dichloroethene	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:04	1
1,2-Dichloropropane	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:04	1
1,3-Dichloropropane	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:04	1
2,2-Dichloropropane	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:04	1
1,1-Dichloropropene	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:04	1
Di-isopropyl ether (DIPE)	ND		9.3		ug/Kg	☼	01/25/21 15:25	01/29/21 13:04	1
Ethylbenzene	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:04	1
Ethyl-t-butyl ether (ETBE)	ND		9.3		ug/Kg	☼	01/25/21 15:25	01/29/21 13:04	1
Hexachlorobutadiene	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:04	1
2-Hexanone	ND		9.3		ug/Kg	☼	01/25/21 15:25	01/29/21 13:04	1
Isopropylbenzene	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:04	1
Methylene Chloride	ND		9.3		ug/Kg	☼	01/25/21 15:25	01/29/21 13:04	1
4-Methyl-2-pentanone (MIBK)	ND		9.3		ug/Kg	☼	01/25/21 15:25	01/29/21 13:04	1
Methyl-t-Butyl Ether (MTBE)	ND		9.3		ug/Kg	☼	01/25/21 15:25	01/29/21 13:04	1

Client Sample ID: B-4-2
Date Collected: 01/25/21 09:59
Date Received: 01/25/21 15:25

Lab Sample ID: 320-69284-4
Matrix: Solid
Percent Solids: 79.2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:04	1
Naphthalene	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:04	1
n-Butylbenzene	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:04	1
N-Propylbenzene	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:04	1
o-Xylene	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:04	1
p-Isopropyltoluene	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:04	1
sec-Butylbenzene	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:04	1
Styrene	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:04	1
tert-Butyl alcohol (TBA)	ND		230		ug/Kg	☼	01/25/21 15:25	01/29/21 13:04	1
tert-Butylbenzene	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:04	1
1,1,1,2-Tetrachloroethane	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:04	1
1,1,2,2-Tetrachloroethane	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:04	1
Tetrachloroethene	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:04	1
Toluene	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:04	1
trans-1,2-Dichloroethene	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:04	1
trans-1,3-Dichloropropene	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:04	1
1,2,3-Trichlorobenzene	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:04	1
1,2,4-Trichlorobenzene	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:04	1
1,1,1-Trichloroethane	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:04	1
1,1,2-Trichloroethane	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:04	1
Trichloroethene	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:04	1
Trichlorofluoromethane	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:04	1
1,2,3-Trichloropropane	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		9.3		ug/Kg	☼	01/25/21 15:25	01/29/21 13:04	1
1,2,4-Trimethylbenzene	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:04	1
1,3,5-Trimethylbenzene	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:04	1
Vinyl acetate	ND		9.3		ug/Kg	☼	01/25/21 15:25	01/29/21 13:04	1
Vinyl chloride	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:04	1
Xylenes, Total	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*63 - 143*	*01/25/21 15:25*	*01/29/21 13:04*	*1*
Dibromofluoromethane (Surr)	*107*		*55 - 129*	*01/25/21 15:25*	*01/29/21 13:04*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*32 - 156*	*01/25/21 15:25*	*01/29/21 13:04*	*1*
Toluene-d8 (Surr)	*99*		*63 - 138*	*01/25/21 15:25*	*01/29/21 13:04*	*1*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		410		ug/Kg	☼	01/29/21 10:58	02/03/21 19:11	1
Acenaphthylene	ND		410		ug/Kg	☼	01/29/21 10:58	02/03/21 19:11	1
Anthracene	ND		410		ug/Kg	☼	01/29/21 10:58	02/03/21 19:11	1
Benzo[a]anthracene	ND		410		ug/Kg	☼	01/29/21 10:58	02/03/21 19:11	1
Benzo[b]fluoranthene	ND		410		ug/Kg	☼	01/29/21 10:58	02/03/21 19:11	1
Benzo[k]fluoranthene	ND		410		ug/Kg	☼	01/29/21 10:58	02/03/21 19:11	1
Benzo[g,h,i]perylene	ND		410		ug/Kg	☼	01/29/21 10:58	02/03/21 19:11	1
Benzo[a]pyrene	ND		410		ug/Kg	☼	01/29/21 10:58	02/03/21 19:11	1
Bis(2-chloroethoxy)methane	ND		410		ug/Kg	☼	01/29/21 10:58	02/03/21 19:11	1
Bis(2-chloroethyl)ether	ND		410		ug/Kg	☼	01/29/21 10:58	02/03/21 19:11	1
bis (2-chloroisopropyl) ether	ND		410		ug/Kg	☼	01/29/21 10:58	02/03/21 19:11	1
Bis(2-ethylhexyl) phthalate	ND		410		ug/Kg	☼	01/29/21 10:58	02/03/21 19:11	1

Client: Ninyo & Moore
Project/Site: Santa Rosa Fire Station 5

Job ID: 320-69284-1

Client Sample ID: B-4-2
Date Collected: 01/25/21 09:59
Date Received: 01/25/21 15:25

Lab Sample ID: 320-69284-4
Matrix: Solid
Percent Solids: 79.2

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Bromophenyl phenyl ether	ND		410		ug/Kg	☼	01/29/21 10:58	02/03/21 19:11	1
Butyl benzyl phthalate	ND		410		ug/Kg	☼	01/29/21 10:58	02/03/21 19:11	1
4-Chloroaniline	ND		410		ug/Kg	☼	01/29/21 10:58	02/03/21 19:11	1
4-Chloro-3-methylphenol	ND		410		ug/Kg	☼	01/29/21 10:58	02/03/21 19:11	1
2-Chloronaphthalene	ND		410		ug/Kg	☼	01/29/21 10:58	02/03/21 19:11	1
2-Chlorophenol	ND		410		ug/Kg	☼	01/29/21 10:58	02/03/21 19:11	1
4-Chlorophenyl phenyl ether	ND		410		ug/Kg	☼	01/29/21 10:58	02/03/21 19:11	1
Chrysene	ND		410		ug/Kg	☼	01/29/21 10:58	02/03/21 19:11	1
Dibenz(a,h)anthracene	ND		410		ug/Kg	☼	01/29/21 10:58	02/03/21 19:11	1
Dibenzofuran	ND		410		ug/Kg	☼	01/29/21 10:58	02/03/21 19:11	1
Di-n-butyl phthalate	ND		410		ug/Kg	☼	01/29/21 10:58	02/03/21 19:11	1
1,2-Dichlorobenzene	ND		410		ug/Kg	☼	01/29/21 10:58	02/03/21 19:11	1
1,3-Dichlorobenzene	ND		410		ug/Kg	☼	01/29/21 10:58	02/03/21 19:11	1
1,4-Dichlorobenzene	ND		410		ug/Kg	☼	01/29/21 10:58	02/03/21 19:11	1
3,3'-Dichlorobenzidine	ND		2000		ug/Kg	☼	01/29/21 10:58	02/03/21 19:11	1
2,4-Dichlorophenol	ND		410		ug/Kg	☼	01/29/21 10:58	02/03/21 19:11	1
Diethyl phthalate	ND		410		ug/Kg	☼	01/29/21 10:58	02/03/21 19:11	1
2,4-Dimethylphenol	ND		410		ug/Kg	☼	01/29/21 10:58	02/03/21 19:11	1
Dimethyl phthalate	ND		410		ug/Kg	☼	01/29/21 10:58	02/03/21 19:11	1
4,6-Dinitro-2-methylphenol	ND		2000		ug/Kg	☼	01/29/21 10:58	02/03/21 19:11	1
2,4-Dinitrophenol	ND		2000		ug/Kg	☼	01/29/21 10:58	02/03/21 19:11	1
2,4-Dinitrotoluene	ND		410		ug/Kg	☼	01/29/21 10:58	02/03/21 19:11	1
2,6-Dinitrotoluene	ND		410		ug/Kg	☼	01/29/21 10:58	02/03/21 19:11	1
Di-n-octyl phthalate	ND		410		ug/Kg	☼	01/29/21 10:58	02/03/21 19:11	1
Fluoranthene	ND		410		ug/Kg	☼	01/29/21 10:58	02/03/21 19:11	1
Fluorene	ND		410		ug/Kg	☼	01/29/21 10:58	02/03/21 19:11	1
Hexachlorobenzene	ND		410		ug/Kg	☼	01/29/21 10:58	02/03/21 19:11	1
Hexachlorobutadiene	ND		410		ug/Kg	☼	01/29/21 10:58	02/03/21 19:11	1
Hexachlorocyclopentadiene	ND		2000		ug/Kg	☼	01/29/21 10:58	02/03/21 19:11	1
Hexachloroethane	ND		410		ug/Kg	☼	01/29/21 10:58	02/03/21 19:11	1
Indeno[1,2,3-cd]pyrene	ND		410		ug/Kg	☼	01/29/21 10:58	02/03/21 19:11	1
Isophorone	ND		410		ug/Kg	☼	01/29/21 10:58	02/03/21 19:11	1
2-Methylnaphthalene	ND		410		ug/Kg	☼	01/29/21 10:58	02/03/21 19:11	1
2-Methylphenol	ND		410		ug/Kg	☼	01/29/21 10:58	02/03/21 19:11	1
3-Methylphenol & 4-Methylphenol	ND		820		ug/Kg	☼	01/29/21 10:58	02/03/21 19:11	1
Naphthalene	ND		410		ug/Kg	☼	01/29/21 10:58	02/03/21 19:11	1
2-Nitroaniline	ND		2000		ug/Kg	☼	01/29/21 10:58	02/03/21 19:11	1
3-Nitroaniline	ND		2000		ug/Kg	☼	01/29/21 10:58	02/03/21 19:11	1
4-Nitroaniline	ND		2000		ug/Kg	☼	01/29/21 10:58	02/03/21 19:11	1
Nitrobenzene	ND		410		ug/Kg	☼	01/29/21 10:58	02/03/21 19:11	1
2-Nitrophenol	ND		410		ug/Kg	☼	01/29/21 10:58	02/03/21 19:11	1
4-Nitrophenol	ND		2000		ug/Kg	☼	01/29/21 10:58	02/03/21 19:11	1
N-Nitrosodiphenylamine	ND		410		ug/Kg	☼	01/29/21 10:58	02/03/21 19:11	1
N-Nitrosodi-n-propylamine	ND		410		ug/Kg	☼	01/29/21 10:58	02/03/21 19:11	1
Pentachlorophenol	ND		2000		ug/Kg	☼	01/29/21 10:58	02/03/21 19:11	1
Phenanthrene	ND		410		ug/Kg	☼	01/29/21 10:58	02/03/21 19:11	1
Phenol	ND		410		ug/Kg	☼	01/29/21 10:58	02/03/21 19:11	1
Pyrene	ND		410		ug/Kg	☼	01/29/21 10:58	02/03/21 19:11	1
1,2,4-Trichlorobenzene	ND		410		ug/Kg	☼	01/29/21 10:58	02/03/21 19:11	1

Client Sample ID: B-4-2

Date Collected: 01/25/21 09:59
Date Received: 01/25/21 15:25

Lab Sample ID: 320-69284-4

Matrix: Solid
Percent Solids: 79.2

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		410		ug/Kg	☼	01/29/21 10:58	02/03/21 19:11	1
2,4,6-Trichlorophenol	ND		410		ug/Kg	☼	01/29/21 10:58	02/03/21 19:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*81*		*57 - 124*	*01/29/21 10:58*	*02/03/21 19:11*	*1*
2-Fluorobiphenyl (Surr)	*70*		*59 - 99*	*01/29/21 10:58*	*02/03/21 19:11*	*1*
2-Fluorophenol (Surr)	*71*		*56 - 96*	*01/29/21 10:58*	*02/03/21 19:11*	*1*
Nitrobenzene-d5 (Surr)	*65*		*57 - 97*	*01/29/21 10:58*	*02/03/21 19:11*	*1*
Phenol-d5 (Surr)	*67*		*58 - 98*	*01/29/21 10:58*	*02/03/21 19:11*	*1*
Terphenyl-d14 (Surr)	*85*		*70 - 112*	*01/29/21 10:58*	*02/03/21 19:11*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**2.6**		1.3		mg/Kg	☼	01/29/21 09:40	02/01/21 17:46	1
Motor Oil Range Organics [C28-C40]	**17**		6.3		mg/Kg	☼	01/29/21 09:40	02/01/21 17:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*60*	*S1-*	*63 - 141*	*01/29/21 09:40*	*02/01/21 17:46*	*1*

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		2.1		ug/Kg	☼	01/29/21 11:13	02/04/21 22:12	1
4,4'-DDE	ND		2.1		ug/Kg	☼	01/29/21 11:13	02/04/21 22:12	1
4,4'-DDT	ND		2.1		ug/Kg	☼	01/29/21 11:13	02/04/21 22:12	1
Aldrin	ND		2.1		ug/Kg	☼	01/29/21 11:13	02/04/21 22:12	1
alpha-BHC	ND		2.1		ug/Kg	☼	01/29/21 11:13	02/04/21 22:12	1
beta-BHC	ND		2.1		ug/Kg	☼	01/29/21 11:13	02/04/21 22:12	1
gamma-BHC (Lindane)	ND		2.1		ug/Kg	☼	01/29/21 11:13	02/04/21 22:12	1
delta-BHC	ND		2.1		ug/Kg	☼	01/29/21 11:13	02/04/21 22:12	1
cis-Chlordane	ND		2.1		ug/Kg	☼	01/29/21 11:13	02/04/21 22:12	1
trans-Chlordane	ND		2.1		ug/Kg	☼	01/29/21 11:13	02/04/21 22:12	1
Dieldrin	ND		2.1		ug/Kg	☼	01/29/21 11:13	02/04/21 22:12	1
Endosulfan I	ND		2.1		ug/Kg	☼	01/29/21 11:13	02/04/21 22:12	1
Endosulfan II	ND		2.1		ug/Kg	☼	01/29/21 11:13	02/04/21 22:12	1
Endosulfan sulfate	ND		2.1		ug/Kg	☼	01/29/21 11:13	02/04/21 22:12	1
Endrin	ND		2.1		ug/Kg	☼	01/29/21 11:13	02/04/21 22:12	1
Endrin aldehyde	ND		2.1		ug/Kg	☼	01/29/21 11:13	02/04/21 22:12	1
Endrin ketone	ND		2.1		ug/Kg	☼	01/29/21 11:13	02/04/21 22:12	1
Heptachlor	ND		2.1		ug/Kg	☼	01/29/21 11:13	02/04/21 22:12	1
Heptachlor epoxide	ND		2.1		ug/Kg	☼	01/29/21 11:13	02/04/21 22:12	1
Methoxychlor	ND		4.2		ug/Kg	☼	01/29/21 11:13	02/04/21 22:12	1
Toxaphene	ND		82		ug/Kg	☼	01/29/21 11:13	02/04/21 22:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*69*		*47 - 107*	*01/29/21 11:13*	*02/04/21 22:12*	*1*
Tetrachloro-m-xylene	*78*		*47 - 107*	*01/29/21 11:13*	*02/04/21 22:12*	*1*
DCB Decachlorobiphenyl	*77*		*46 - 109*	*01/29/21 11:13*	*02/04/21 22:12*	*1*
DCB Decachlorobiphenyl	*77*		*46 - 109*	*01/29/21 11:13*	*02/04/21 22:12*	*1*

Client Sample ID: B-4-2

Date Collected: 01/25/21 09:59
Date Received: 01/25/21 15:25

Lab Sample ID: 320-69284-4

Matrix: Solid
Percent Solids: 79.2

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		40		ug/Kg	☼	01/29/21 11:15	02/05/21 19:44	1
PCB-1221	ND		40		ug/Kg	☼	01/29/21 11:15	02/05/21 19:44	1
PCB-1232	ND		40		ug/Kg	☼	01/29/21 11:15	02/05/21 19:44	1
PCB-1242	ND		40		ug/Kg	☼	01/29/21 11:15	02/05/21 19:44	1
PCB-1248	ND		40		ug/Kg	☼	01/29/21 11:15	02/05/21 19:44	1
PCB-1254	ND		40		ug/Kg	☼	01/29/21 11:15	02/05/21 19:44	1
PCB-1260	ND		40		ug/Kg	☼	01/29/21 11:15	02/05/21 19:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*83*		*52 - 138*	*01/29/21 11:15*	*02/05/21 19:44*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		2.5		mg/Kg	☼	01/28/21 12:51	02/02/21 16:18	1
Arsenic	ND		2.5		mg/Kg	☼	01/28/21 12:51	02/02/21 16:18	1
Barium	**130**		1.3		mg/Kg	☼	01/28/21 12:51	02/02/21 16:18	1
Beryllium	**0.61**		0.25		mg/Kg	☼	01/28/21 12:51	02/02/21 16:18	1
Cadmium	ND		0.25		mg/Kg	☼	01/28/21 12:51	02/02/21 16:18	1
Chromium	**94**		0.63		mg/Kg	☼	01/28/21 12:51	02/02/21 16:18	1
Cobalt	**31**		0.63		mg/Kg	☼	01/28/21 12:51	02/02/21 16:18	1
Copper	**31**		1.9		mg/Kg	☼	01/28/21 12:51	02/02/21 16:18	1
Lead	**7.3**		1.3		mg/Kg	☼	01/28/21 12:51	02/02/21 16:18	1
Molybdenum	ND		2.5		mg/Kg	☼	01/28/21 12:51	02/02/21 16:18	1
Nickel	**110**		1.3		mg/Kg	☼	01/28/21 12:51	02/02/21 16:18	1
Selenium	ND		2.5		mg/Kg	☼	01/28/21 12:51	02/02/21 16:18	1
Silver	ND		0.63		mg/Kg	☼	01/28/21 12:51	02/02/21 16:18	1
Thallium	ND		2.5		mg/Kg	☼	01/28/21 12:51	02/02/21 16:18	1
Vanadium	**59**		0.63		mg/Kg	☼	01/28/21 12:51	02/02/21 16:18	1
Zinc	**38**		2.5		mg/Kg	☼	01/28/21 12:51	02/02/21 16:18	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.056**		0.050		mg/Kg	☼	01/27/21 11:51	01/28/21 11:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**20.8**		0.1		%			01/28/21 13:08	1

Client Sample ID: B-5-2

Date Collected: 01/25/21 09:40
Date Received: 01/25/21 15:25

Lab Sample ID: 320-69284-5

Matrix: Solid
Percent Solids: 86.5

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C4-C12	ND		0.47		mg/Kg	☼	01/25/21 15:25	01/29/21 13:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 131*	*01/25/21 15:25*	*01/29/21 13:27*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		19		ug/Kg	☼	01/25/21 15:25	01/29/21 13:27	1
Benzene	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:27	1
Bromobenzene	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:27	1
Bromochloromethane	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:27	1
Bromodichloromethane	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:27	1
Bromoform	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:27	1
Bromomethane	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:27	1
2-Butanone (MEK)	ND		9.5		ug/Kg	☼	01/25/21 15:25	01/29/21 13:27	1
Carbon disulfide	ND		9.5		ug/Kg	☼	01/25/21 15:25	01/29/21 13:27	1
Carbon tetrachloride	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:27	1
Chlorobenzene	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:27	1
Chloroethane	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:27	1
Chloroform	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:27	1
Chloromethane	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:27	1
2-Chlorotoluene	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:27	1
4-Chlorotoluene	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:27	1
cis-1,2-Dichloroethene	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:27	1
cis-1,3-Dichloropropene	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:27	1
Dibromochloromethane	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:27	1
1,2-Dibromo-3-Chloropropane	ND	*-	9.5		ug/Kg	☼	01/25/21 15:25	01/29/21 13:27	1
1,2-Dibromoethane (EDB)	ND		9.5		ug/Kg	☼	01/25/21 15:25	01/29/21 13:27	1
Dibromomethane	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:27	1
1,2-Dichlorobenzene	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:27	1
1,3-Dichlorobenzene	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:27	1
1,4-Dichlorobenzene	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:27	1
Dichlorodifluoromethane	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:27	1
1,1-Dichloroethane	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:27	1
1,2-Dichloroethane	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:27	1
1,1-Dichloroethene	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:27	1
1,2-Dichloropropane	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:27	1
1,3-Dichloropropane	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:27	1
2,2-Dichloropropane	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:27	1
1,1-Dichloropropene	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:27	1
Di-isopropyl ether (DIPE)	ND		9.5		ug/Kg	☼	01/25/21 15:25	01/29/21 13:27	1
Ethylbenzene	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:27	1
Ethyl-t-butyl ether (ETBE)	ND		9.5		ug/Kg	☼	01/25/21 15:25	01/29/21 13:27	1
Hexachlorobutadiene	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:27	1
2-Hexanone	ND		9.5		ug/Kg	☼	01/25/21 15:25	01/29/21 13:27	1
Isopropylbenzene	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:27	1
Methylene Chloride	ND		9.5		ug/Kg	☼	01/25/21 15:25	01/29/21 13:27	1
4-Methyl-2-pentanone (MIBK)	ND		9.5		ug/Kg	☼	01/25/21 15:25	01/29/21 13:27	1
Methyl-t-Butyl Ether (MTBE)	ND		9.5		ug/Kg	☼	01/25/21 15:25	01/29/21 13:27	1

Client Sample ID: B-5-2
Date Collected: 01/25/21 09:40
Date Received: 01/25/21 15:25

Lab Sample ID: 320-69284-5
Matrix: Solid
Percent Solids: 86.5

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:27	1
Naphthalene	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:27	1
n-Butylbenzene	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:27	1
N-Propylbenzene	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:27	1
o-Xylene	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:27	1
p-Isopropyltoluene	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:27	1
sec-Butylbenzene	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:27	1
Styrene	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:27	1
tert-Butyl alcohol (TBA)	ND		240		ug/Kg	☼	01/25/21 15:25	01/29/21 13:27	1
tert-Butylbenzene	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:27	1
1,1,1,2-Tetrachloroethane	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:27	1
1,1,2,2-Tetrachloroethane	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:27	1
Tetrachloroethene	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:27	1
Toluene	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:27	1
trans-1,2-Dichloroethene	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:27	1
trans-1,3-Dichloropropene	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:27	1
1,2,3-Trichlorobenzene	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:27	1
1,2,4-Trichlorobenzene	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:27	1
1,1,1-Trichloroethane	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:27	1
1,1,2-Trichloroethane	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:27	1
Trichloroethene	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:27	1
Trichlorofluoromethane	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:27	1
1,2,3-Trichloropropane	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		9.5		ug/Kg	☼	01/25/21 15:25	01/29/21 13:27	1
1,2,4-Trimethylbenzene	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:27	1
1,3,5-Trimethylbenzene	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:27	1
Vinyl acetate	ND		9.5		ug/Kg	☼	01/25/21 15:25	01/29/21 13:27	1
Vinyl chloride	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:27	1
Xylenes, Total	ND		4.7		ug/Kg	☼	01/25/21 15:25	01/29/21 13:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*63 - 143*	*01/25/21 15:25*	*01/29/21 13:27*	*1*
Dibromofluoromethane (Surr)	*105*		*55 - 129*	*01/25/21 15:25*	*01/29/21 13:27*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*32 - 156*	*01/25/21 15:25*	*01/29/21 13:27*	*1*
Toluene-d8 (Surr)	*98*		*63 - 138*	*01/25/21 15:25*	*01/29/21 13:27*	*1*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 19:38	1
Acenaphthylene	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 19:38	1
Anthracene	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 19:38	1
Benzo[a]anthracene	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 19:38	1
Benzo[b]fluoranthene	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 19:38	1
Benzo[k]fluoranthene	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 19:38	1
Benzo[g,h,i]perylene	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 19:38	1
Benzo[a]pyrene	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 19:38	1
Bis(2-chloroethoxy)methane	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 19:38	1
Bis(2-chloroethyl)ether	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 19:38	1
bis (2-chloroisopropyl) ether	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 19:38	1
Bis(2-ethylhexyl) phthalate	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 19:38	1

Client: Ninyo & Moore
Project/Site: Santa Rosa Fire Station 5

Job ID: 320-69284-1

Client Sample ID: B-5-2
Date Collected: 01/25/21 09:40
Date Received: 01/25/21 15:25

Lab Sample ID: 320-69284-5
Matrix: Solid
Percent Solids: 86.5

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Bromophenyl phenyl ether	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 19:38	1
Butyl benzyl phthalate	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 19:38	1
4-Chloroaniline	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 19:38	1
4-Chloro-3-methylphenol	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 19:38	1
2-Chloronaphthalene	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 19:38	1
2-Chlorophenol	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 19:38	1
4-Chlorophenyl phenyl ether	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 19:38	1
Chrysene	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 19:38	1
Dibenz(a,h)anthracene	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 19:38	1
Dibenzofuran	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 19:38	1
Di-n-butyl phthalate	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 19:38	1
1,2-Dichlorobenzene	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 19:38	1
1,3-Dichlorobenzene	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 19:38	1
1,4-Dichlorobenzene	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 19:38	1
3,3'-Dichlorobenzidine	ND		1800		ug/Kg	☼	01/29/21 10:58	02/03/21 19:38	1
2,4-Dichlorophenol	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 19:38	1
Diethyl phthalate	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 19:38	1
2,4-Dimethylphenol	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 19:38	1
Dimethyl phthalate	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 19:38	1
4,6-Dinitro-2-methylphenol	ND		1800		ug/Kg	☼	01/29/21 10:58	02/03/21 19:38	1
2,4-Dinitrophenol	ND		1800		ug/Kg	☼	01/29/21 10:58	02/03/21 19:38	1
2,4-Dinitrotoluene	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 19:38	1
2,6-Dinitrotoluene	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 19:38	1
Di-n-octyl phthalate	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 19:38	1
Fluoranthene	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 19:38	1
Fluorene	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 19:38	1
Hexachlorobenzene	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 19:38	1
Hexachlorobutadiene	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 19:38	1
Hexachlorocyclopentadiene	ND		1800		ug/Kg	☼	01/29/21 10:58	02/03/21 19:38	1
Hexachloroethane	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 19:38	1
Indeno[1,2,3-cd]pyrene	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 19:38	1
Isophorone	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 19:38	1
2-Methylnaphthalene	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 19:38	1
2-Methylphenol	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 19:38	1
3-Methylphenol & 4-Methylphenol	ND		740		ug/Kg	☼	01/29/21 10:58	02/03/21 19:38	1
Naphthalene	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 19:38	1
2-Nitroaniline	ND		1800		ug/Kg	☼	01/29/21 10:58	02/03/21 19:38	1
3-Nitroaniline	ND		1800		ug/Kg	☼	01/29/21 10:58	02/03/21 19:38	1
4-Nitroaniline	ND		1800		ug/Kg	☼	01/29/21 10:58	02/03/21 19:38	1
Nitrobenzene	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 19:38	1
2-Nitrophenol	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 19:38	1
4-Nitrophenol	ND		1800		ug/Kg	☼	01/29/21 10:58	02/03/21 19:38	1
N-Nitrosodiphenylamine	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 19:38	1
N-Nitrosodi-n-propylamine	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 19:38	1
Pentachlorophenol	ND		1800		ug/Kg	☼	01/29/21 10:58	02/03/21 19:38	1
Phenanthrene	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 19:38	1
Phenol	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 19:38	1
Pyrene	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 19:38	1
1,2,4-Trichlorobenzene	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 19:38	1

Client Sample ID: B-5-2

Date Collected: 01/25/21 09:40
Date Received: 01/25/21 15:25

Lab Sample ID: 320-69284-5

Matrix: Solid
Percent Solids: 86.5

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 19:38	1
2,4,6-Trichlorophenol	ND		370		ug/Kg	☼	01/29/21 10:58	02/03/21 19:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*79*		*57 - 124*	*01/29/21 10:58*	*02/03/21 19:38*	*1*
2-Fluorobiphenyl (Surr)	*70*		*59 - 99*	*01/29/21 10:58*	*02/03/21 19:38*	*1*
2-Fluorophenol (Surr)	*70*		*56 - 96*	*01/29/21 10:58*	*02/03/21 19:38*	*1*
Nitrobenzene-d5 (Surr)	*64*		*57 - 97*	*01/29/21 10:58*	*02/03/21 19:38*	*1*
Phenol-d5 (Surr)	*66*		*58 - 98*	*01/29/21 10:58*	*02/03/21 19:38*	*1*
Terphenyl-d14 (Surr)	*82*		*70 - 112*	*01/29/21 10:58*	*02/03/21 19:38*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**2.0**		1.1		mg/Kg	☼	01/29/21 09:40	02/01/21 18:15	1
Motor Oil Range Organics [C28-C40]	**8.0**		5.7		mg/Kg	☼	01/29/21 09:40	02/01/21 18:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*74*		*63 - 141*	*01/29/21 09:40*	*02/01/21 18:15*	*1*

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.9		ug/Kg	☼	01/29/21 11:13	02/04/21 22:31	1
4,4'-DDE	ND		1.9		ug/Kg	☼	01/29/21 11:13	02/04/21 22:31	1
4,4'-DDT	ND		1.9		ug/Kg	☼	01/29/21 11:13	02/04/21 22:31	1
Aldrin	ND		1.9		ug/Kg	☼	01/29/21 11:13	02/04/21 22:31	1
alpha-BHC	ND		1.9		ug/Kg	☼	01/29/21 11:13	02/04/21 22:31	1
beta-BHC	ND		1.9		ug/Kg	☼	01/29/21 11:13	02/04/21 22:31	1
gamma-BHC (Lindane)	ND		1.9		ug/Kg	☼	01/29/21 11:13	02/04/21 22:31	1
delta-BHC	ND		1.9		ug/Kg	☼	01/29/21 11:13	02/04/21 22:31	1
cis-Chlordane	ND		1.9		ug/Kg	☼	01/29/21 11:13	02/04/21 22:31	1
trans-Chlordane	ND		1.9		ug/Kg	☼	01/29/21 11:13	02/04/21 22:31	1
Dieldrin	ND		1.9		ug/Kg	☼	01/29/21 11:13	02/04/21 22:31	1
Endosulfan I	ND		1.9		ug/Kg	☼	01/29/21 11:13	02/04/21 22:31	1
Endosulfan II	ND		1.9		ug/Kg	☼	01/29/21 11:13	02/04/21 22:31	1
Endosulfan sulfate	ND		1.9		ug/Kg	☼	01/29/21 11:13	02/04/21 22:31	1
Endrin	ND		1.9		ug/Kg	☼	01/29/21 11:13	02/04/21 22:31	1
Endrin aldehyde	ND		1.9		ug/Kg	☼	01/29/21 11:13	02/04/21 22:31	1
Endrin ketone	ND		1.9		ug/Kg	☼	01/29/21 11:13	02/04/21 22:31	1
Heptachlor	ND		1.9		ug/Kg	☼	01/29/21 11:13	02/04/21 22:31	1
Heptachlor epoxide	ND		1.9		ug/Kg	☼	01/29/21 11:13	02/04/21 22:31	1
Methoxychlor	ND		3.8		ug/Kg	☼	01/29/21 11:13	02/04/21 22:31	1
Toxaphene	ND		76		ug/Kg	☼	01/29/21 11:13	02/04/21 22:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*63*		*47 - 107*	*01/29/21 11:13*	*02/04/21 22:31*	*1*
Tetrachloro-m-xylene	*67*		*47 - 107*	*01/29/21 11:13*	*02/04/21 22:31*	*1*
DCB Decachlorobiphenyl	*64*		*46 - 109*	*01/29/21 11:13*	*02/04/21 22:31*	*1*
DCB Decachlorobiphenyl	*65*		*46 - 109*	*01/29/21 11:13*	*02/04/21 22:31*	*1*

Client Sample Results

Client: Ninyo & Moore
Project/Site: Santa Rosa Fire Station 5

Job ID: 320-69284-1

Client Sample ID: B-5-2

Date Collected: 01/25/21 09:40
Date Received: 01/25/21 15:25

Lab Sample ID: 320-69284-5

Matrix: Solid
Percent Solids: 86.5

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		37		ug/Kg	☼	01/29/21 11:15	02/05/21 20:04	1
PCB-1221	ND		37		ug/Kg	☼	01/29/21 11:15	02/05/21 20:04	1
PCB-1232	ND		37		ug/Kg	☼	01/29/21 11:15	02/05/21 20:04	1
PCB-1242	ND		37		ug/Kg	☼	01/29/21 11:15	02/05/21 20:04	1
PCB-1248	ND		37		ug/Kg	☼	01/29/21 11:15	02/05/21 20:04	1
PCB-1254	ND		37		ug/Kg	☼	01/29/21 11:15	02/05/21 20:04	1
PCB-1260	ND		37		ug/Kg	☼	01/29/21 11:15	02/05/21 20:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*81*		*52 - 138*	*01/29/21 11:15*	*02/05/21 20:04*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		2.2		mg/Kg	☼	01/28/21 12:51	02/02/21 16:22	1
Arsenic	ND		2.2		mg/Kg	☼	01/28/21 12:51	02/02/21 16:22	1
Barium	**97**		1.1		mg/Kg	☼	01/28/21 12:51	02/02/21 16:22	1
Beryllium	**0.48**		0.22		mg/Kg	☼	01/28/21 12:51	02/02/21 16:22	1
Cadmium	ND		0.22		mg/Kg	☼	01/28/21 12:51	02/02/21 16:22	1
Chromium	**95**		0.56		mg/Kg	☼	01/28/21 12:51	02/02/21 16:22	1
Cobalt	**27**		0.56		mg/Kg	☼	01/28/21 12:51	02/02/21 16:22	1
Copper	**39**		1.7		mg/Kg	☼	01/28/21 12:51	02/02/21 16:22	1
Lead	**3.6**		1.1		mg/Kg	☼	01/28/21 12:51	02/02/21 16:22	1
Molybdenum	ND		2.2		mg/Kg	☼	01/28/21 12:51	02/02/21 16:22	1
Nickel	**92**		1.1		mg/Kg	☼	01/28/21 12:51	02/02/21 16:22	1
Selenium	ND		2.2		mg/Kg	☼	01/28/21 12:51	02/02/21 16:22	1
Silver	ND		0.56		mg/Kg	☼	01/28/21 12:51	02/02/21 16:22	1
Thallium	ND		2.2		mg/Kg	☼	01/28/21 12:51	02/02/21 16:22	1
Vanadium	**65**		0.56		mg/Kg	☼	01/28/21 12:51	02/02/21 16:22	1
Zinc	**37**		2.2		mg/Kg	☼	01/28/21 12:51	02/02/21 16:22	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.047		mg/Kg	☼	01/27/21 11:51	01/28/21 11:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**13.5**		0.1		%			01/28/21 13:08	1

Surrogate Summary

Client: Ninyo & Moore
Project/Site: Santa Rosa Fire Station 5

Job ID: 320-69284-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	DCA	TOL
Lab Sample ID	Client Sample ID	(63-143)	(55-129)	(32-156)	(63-138)
320-69284-1	B-1-2	96	101	96	95
320-69284-2	B-2-2	97	100	94	95
320-69284-3	B-3-2	100	105	98	97
320-69284-4	B-4-2	99	107	101	99
320-69284-5	B-5-2	97	105	98	98
LCS 320-456610/7	Lab Control Sample	96	101	92	99
LCSD 320-456610/8	Lab Control Sample Dup	95	101	90	98
MB 320-456610/10	Method Blank	98	103	93	98

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
		BFB
Lab Sample ID	Client Sample ID	(70-131)
320-69284-1	B-1-2	96
320-69284-2	B-2-2	97
320-69284-3	B-3-2	100
320-69284-4	B-4-2	99
320-69284-5	B-5-2	97
LCS 320-456612/4	Lab Control Sample	98
LCSD 320-456612/5	Lab Control Sample Dup	99
MB 320-456612/10	Method Blank	98

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(57-124)	(59-99)	(56-96)	(57-97)	(58-98)	(70-112)
320-69284-1	B-1-2	78	69	69	61	70	78
320-69284-2	B-2-2	78	66	68	60	65	78
320-69284-3	B-3-2	84	70	75	68	72	83
320-69284-4	B-4-2	81	70	71	65	67	85
320-69284-5	B-5-2	79	70	70	64	66	82
LCS 320-456715/2-A	Lab Control Sample	99	84	87	88	88	92
MB 320-456715/1-A	Method Blank	91	85	87	76	88	94

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)

Surrogate Summary

Client: Ninyo & Moore
Job ID: 320-69284-1
Project/Site: Santa Rosa Fire Station 5

PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)

Method: 8015B - Diesel Range Organics (DRO) (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)									
		OTPH1									
Lab Sample ID	Client Sample ID	(63-141)									
320-69284-1	B-1-2	73									
320-69284-2	B-2-2	77									
320-69284-3	B-3-2	74									
320-69284-3 MS	B-3-2	78									
320-69284-3 MSD	B-3-2	78									
320-69284-4	B-4-2	60 S1-									
320-69284-5	B-5-2	74									
LCS 320-456666/2-A	Lab Control Sample	81									
MB 320-456666/1-A	Method Blank	81									

Surrogate Legend

OTPH = o-Terphenyl (Surr)

Method: 8081A - Organochlorine Pesticides (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)									
		TCX1	TCX2	DCBP1	DCBP2						
Lab Sample ID	Client Sample ID	(47-107)	(47-107)	(46-109)	(46-109)						
320-69284-1	B-1-2	67		100							
320-69284-1 MS	B-1-2	54		78							
320-69284-1 MSD	B-1-2	47		55							
320-69284-2	B-2-2	60	82	89	81						
320-69284-3	B-3-2	79	79	77	80						
320-69284-4	B-4-2	69	78	77	77						
320-69284-5	B-5-2	63	67	64	65						
LCS 320-456729/2-A	Lab Control Sample	82		85							
LCS 320-456729/3-A	Lab Control Sample	78		80							
MB 320-456729/1-A	Method Blank	91	91	88	91						

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCBP = DCB Decachlorobiphenyl

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)									
		DCBP1									
Lab Sample ID	Client Sample ID	(52-138)									
320-69284-1	B-1-2	90									
320-69284-2	B-2-2	86									
320-69284-2 MS	B-2-2	92									
320-69284-2 MSD	B-2-2	80									
320-69284-3	B-3-2	95									
320-69284-4	B-4-2	83									
320-69284-5	B-5-2	81									
LCS 320-456730/2-A	Lab Control Sample	94									
MB 320-456730/1-A	Method Blank	86									

Surrogate Summary

Client: Ninyo & Moore
Project/Site: Santa Rosa Fire Station 5

Job ID: 320-69284-1

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 320-456610/10
Matrix: Solid
Analysis Batch: 456610

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20		ug/Kg			01/29/21 09:56	1
Benzene	ND		5.0		ug/Kg			01/29/21 09:56	1
Bromobenzene	ND		5.0		ug/Kg			01/29/21 09:56	1
Bromochloromethane	ND		5.0		ug/Kg			01/29/21 09:56	1
Bromodichloromethane	ND		5.0		ug/Kg			01/29/21 09:56	1
Bromoform	ND		5.0		ug/Kg			01/29/21 09:56	1
Bromomethane	ND		5.0		ug/Kg			01/29/21 09:56	1
2-Butanone (MEK)	ND		10		ug/Kg			01/29/21 09:56	1
Carbon disulfide	ND		10		ug/Kg			01/29/21 09:56	1
Carbon tetrachloride	ND		5.0		ug/Kg			01/29/21 09:56	1
Chlorobenzene	ND		5.0		ug/Kg			01/29/21 09:56	1
Chloroethane	ND		5.0		ug/Kg			01/29/21 09:56	1
Chloroform	ND		5.0		ug/Kg			01/29/21 09:56	1
Chloromethane	ND		5.0		ug/Kg			01/29/21 09:56	1
2-Chlorotoluene	ND		5.0		ug/Kg			01/29/21 09:56	1
4-Chlorotoluene	ND		5.0		ug/Kg			01/29/21 09:56	1
cis-1,2-Dichloroethene	ND		5.0		ug/Kg			01/29/21 09:56	1
cis-1,3-Dichloropropene	ND		5.0		ug/Kg			01/29/21 09:56	1
Dibromochloromethane	ND		5.0		ug/Kg			01/29/21 09:56	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/Kg			01/29/21 09:56	1
1,2-Dibromoethane (EDB)	ND		10		ug/Kg			01/29/21 09:56	1
Dibromomethane	ND		5.0		ug/Kg			01/29/21 09:56	1
1,2-Dichlorobenzene	ND		5.0		ug/Kg			01/29/21 09:56	1
1,3-Dichlorobenzene	ND		5.0		ug/Kg			01/29/21 09:56	1
1,4-Dichlorobenzene	ND		5.0		ug/Kg			01/29/21 09:56	1
Dichlorodifluoromethane	ND		5.0		ug/Kg			01/29/21 09:56	1
1,1-Dichloroethane	ND		5.0		ug/Kg			01/29/21 09:56	1
1,2-Dichloroethane	ND		5.0		ug/Kg			01/29/21 09:56	1
1,1-Dichloroethene	ND		5.0		ug/Kg			01/29/21 09:56	1
1,2-Dichloropropane	ND		5.0		ug/Kg			01/29/21 09:56	1
1,3-Dichloropropane	ND		5.0		ug/Kg			01/29/21 09:56	1
2,2-Dichloropropane	ND		5.0		ug/Kg			01/29/21 09:56	1
1,1-Dichloropropene	ND		5.0		ug/Kg			01/29/21 09:56	1
Di-isopropyl ether (DIPE)	ND		10		ug/Kg			01/29/21 09:56	1
Ethylbenzene	ND		5.0		ug/Kg			01/29/21 09:56	1
Ethyl-t-butyl ether (ETBE)	ND		10		ug/Kg			01/29/21 09:56	1
Hexachlorobutadiene	ND		5.0		ug/Kg			01/29/21 09:56	1
2-Hexanone	ND		10		ug/Kg			01/29/21 09:56	1
Isopropylbenzene	ND		5.0		ug/Kg			01/29/21 09:56	1
Methylene Chloride	ND		10		ug/Kg			01/29/21 09:56	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/Kg			01/29/21 09:56	1
Methyl-t-Butyl Ether (MTBE)	ND		10		ug/Kg			01/29/21 09:56	1
m-Xylene & p-Xylene	ND		5.0		ug/Kg			01/29/21 09:56	1
Naphthalene	ND		5.0		ug/Kg			01/29/21 09:56	1
n-Butylbenzene	ND		5.0		ug/Kg			01/29/21 09:56	1
N-Propylbenzene	ND		5.0		ug/Kg			01/29/21 09:56	1
o-Xylene	ND		5.0		ug/Kg			01/29/21 09:56	1
p-Isopropyltoluene	ND		5.0		ug/Kg			01/29/21 09:56	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 320-456610/10
Matrix: Solid
Analysis Batch: 456610

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		5.0		ug/Kg			01/29/21 09:56	1
Styrene	ND		5.0		ug/Kg			01/29/21 09:56	1
tert-Butyl alcohol (TBA)	ND		250		ug/Kg			01/29/21 09:56	1
tert-Butylbenzene	ND		5.0		ug/Kg			01/29/21 09:56	1
1,1,1,2-Tetrachloroethane	ND		5.0		ug/Kg			01/29/21 09:56	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/Kg			01/29/21 09:56	1
Tetrachloroethene	ND		5.0		ug/Kg			01/29/21 09:56	1
Toluene	ND		5.0		ug/Kg			01/29/21 09:56	1
trans-1,2-Dichloroethene	ND		5.0		ug/Kg			01/29/21 09:56	1
trans-1,3-Dichloropropene	ND		5.0		ug/Kg			01/29/21 09:56	1
1,2,3-Trichlorobenzene	ND		5.0		ug/Kg			01/29/21 09:56	1
1,2,4-Trichlorobenzene	ND		5.0		ug/Kg			01/29/21 09:56	1
1,1,1-Trichloroethane	ND		5.0		ug/Kg			01/29/21 09:56	1
1,1,2-Trichloroethane	ND		5.0		ug/Kg			01/29/21 09:56	1
Trichloroethene	ND		5.0		ug/Kg			01/29/21 09:56	1
Trichlorofluoromethane	ND		5.0		ug/Kg			01/29/21 09:56	1
1,2,3-Trichloropropane	ND		5.0		ug/Kg			01/29/21 09:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10		ug/Kg			01/29/21 09:56	1
1,2,4-Trimethylbenzene	ND		5.0		ug/Kg			01/29/21 09:56	1
1,3,5-Trimethylbenzene	ND		5.0		ug/Kg			01/29/21 09:56	1
Vinyl acetate	ND		10		ug/Kg			01/29/21 09:56	1
Vinyl chloride	ND		5.0		ug/Kg			01/29/21 09:56	1
Xylenes, Total	ND		5.0		ug/Kg			01/29/21 09:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*63 - 143*		*01/29/21 09:56*	*1*
Dibromofluoromethane (Surr)	*103*		*55 - 129*		*01/29/21 09:56*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*32 - 156*		*01/29/21 09:56*	*1*
Toluene-d8 (Surr)	*98*		*63 - 138*		*01/29/21 09:56*	*1*

Lab Sample ID: LCS 320-456610/7
Matrix: Solid
Analysis Batch: 456610

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	50.0	50.0		ug/Kg		100	64 - 128
Benzene	50.0	51.7		ug/Kg		103	78 - 128
Bromobenzene	50.0	49.7		ug/Kg		99	67 - 132
Bromochloromethane	50.0	52.8		ug/Kg		106	80 - 127
Bromodichloromethane	50.0	52.3		ug/Kg		105	80 - 137
Bromoform	50.0	49.4		ug/Kg		99	80 - 136
Bromomethane	50.0	52.3		ug/Kg		105	48 - 164
2-Butanone (MEK)	50.0	50.7		ug/Kg		101	71 - 142
Carbon disulfide	50.0	45.3		ug/Kg		91	52 - 145
Carbon tetrachloride	50.0	52.3		ug/Kg		105	62 - 154
Chlorobenzene	50.0	50.9		ug/Kg		102	74 - 125
Chloroethane	50.0	52.4		ug/Kg		105	54 - 148
Chloroform	50.0	52.6		ug/Kg		105	78 - 135

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 320-456610/7
Matrix: Solid
Analysis Batch: 456610

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloromethane	50.0	47.3		ug/Kg		95	60 - 141
2-Chlorotoluene	50.0	48.6		ug/Kg		97	64 - 127
4-Chlorotoluene	50.0	48.8		ug/Kg		98	67 - 128
cis-1,2-Dichloroethene	50.0	52.9		ug/Kg		106	74 - 131
cis-1,3-Dichloropropene	50.0	50.2		ug/Kg		100	80 - 134
Dibromochloromethane	50.0	48.5		ug/Kg		97	80 - 133
1,2-Dibromo-3-Chloropropane	50.0	40.4		ug/Kg		81	75 - 137
1,2-Dibromoethane (EDB)	50.0	48.4		ug/Kg		97	80 - 124
Dibromomethane	50.0	49.1		ug/Kg		98	80 - 129
1,2-Dichlorobenzene	50.0	50.9		ug/Kg		102	68 - 121
1,3-Dichlorobenzene	50.0	50.7		ug/Kg		101	64 - 126
1,4-Dichlorobenzene	50.0	50.2		ug/Kg		100	65 - 124
Dichlorodifluoromethane	50.0	36.8		ug/Kg		74	60 - 130
1,1-Dichloroethane	50.0	51.2		ug/Kg		102	76 - 134
1,2-Dichloroethane	50.0	50.2		ug/Kg		100	66 - 150
1,1-Dichloroethene	50.0	48.2		ug/Kg		96	66 - 136
1,2-Dichloropropane	50.0	51.5		ug/Kg		103	80 - 129
1,3-Dichloropropane	50.0	47.5		ug/Kg		95	80 - 123
2,2-Dichloropropane	50.0	53.0		ug/Kg		106	69 - 153
1,1-Dichloropropene	50.0	53.0		ug/Kg		106	76 - 132
Ethylbenzene	50.0	52.6		ug/Kg		105	72 - 125
Hexachlorobutadiene	50.0	47.1		ug/Kg		94	52 - 140
2-Hexanone	50.0	52.3		ug/Kg		105	78 - 143
Isopropylbenzene	50.0	52.5		ug/Kg		105	69 - 137
Methylene Chloride	50.0	50.3		ug/Kg		101	77 - 125
4-Methyl-2-pentanone (MIBK)	50.0	54.6		ug/Kg		109	79 - 150
Methyl-t-Butyl Ether (MTBE)	50.0	49.6		ug/Kg		99	66 - 146
m-Xylene & p-Xylene	50.0	52.2		ug/Kg		104	73 - 128
Naphthalene	50.0	49.2		ug/Kg		98	53 - 140
n-Butylbenzene	50.0	50.3		ug/Kg		101	68 - 136
N-Propylbenzene	50.0	49.1		ug/Kg		98	63 - 128
o-Xylene	50.0	52.6		ug/Kg		105	76 - 127
p-Isopropyltoluene	50.0	50.9		ug/Kg		102	64 - 137
sec-Butylbenzene	50.0	50.3		ug/Kg		101	68 - 131
Styrene	50.0	53.0		ug/Kg		106	79 - 128
tert-Butyl alcohol (TBA)	500	507		ug/Kg		101	46 - 181
tert-Butylbenzene	50.0	50.4		ug/Kg		101	67 - 131
1,1,1,2-Tetrachloroethane	50.0	52.3		ug/Kg		105	77 - 134
1,1,2,2-Tetrachloroethane	50.0	45.2		ug/Kg		90	71 - 134
Tetrachloroethene	50.0	48.8		ug/Kg		98	65 - 135
Toluene	50.0	49.0		ug/Kg		98	80 - 124
trans-1,2-Dichloroethene	50.0	51.7		ug/Kg		103	67 - 135
trans-1,3-Dichloropropene	50.0	50.3		ug/Kg		101	80 - 148
1,2,3-Trichlorobenzene	50.0	52.4		ug/Kg		105	54 - 140
1,2,4-Trichlorobenzene	50.0	52.1		ug/Kg		104	48 - 145
1,1,1-Trichloroethane	50.0	52.9		ug/Kg		106	67 - 150
1,1,2-Trichloroethane	50.0	48.2		ug/Kg		96	80 - 128
Trichloroethene	50.0	50.2		ug/Kg		100	80 - 126
Trichlorofluoromethane	50.0	50.0		ug/Kg		100	43 - 158

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 320-456610/7
Matrix: Solid
Analysis Batch: 456610

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,2,3-Trichloropropane			50.0	42.5		ug/Kg		85	71 - 132		
1,1,2-Trichloro-1,2,2-trifluoroethane			50.0	47.2		ug/Kg		94	62 - 138		
1,2,4-Trimethylbenzene			50.0	50.7		ug/Kg		101	64 - 137		
1,3,5-Trimethylbenzene			50.0	50.0		ug/Kg		100	66 - 135		
Vinyl acetate			50.0	48.2		ug/Kg		96	39 - 160		
Vinyl chloride			50.0	46.8		ug/Kg		94	67 - 127		
Xylenes, Total			100	105		ug/Kg		105	75 - 122		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*63 - 143*
Dibromofluoromethane (Surr)	*101*		*55 - 129*
1,2-Dichloroethane-d4 (Surr)	*92*		*32 - 156*
Toluene-d8 (Surr)	*99*		*63 - 138*

Lab Sample ID: LCSD 320-456610/8
Matrix: Solid
Analysis Batch: 456610

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone			50.0	46.6		ug/Kg		93	64 - 128	7	36
Benzene			50.0	48.0		ug/Kg		96	78 - 128	7	37
Bromobenzene			50.0	46.8		ug/Kg		94	67 - 132	6	40
Bromochloromethane			50.0	47.5		ug/Kg		95	80 - 127	11	36
Bromodichloromethane			50.0	48.2		ug/Kg		96	80 - 137	8	37
Bromoform			50.0	44.9		ug/Kg		90	80 - 136	10	45
Bromomethane			50.0	47.9		ug/Kg		96	48 - 164	9	38
2-Butanone (MEK)			50.0	49.0		ug/Kg		98	71 - 142	3	44
Carbon disulfide			50.0	41.7		ug/Kg		83	52 - 145	8	46
Carbon tetrachloride			50.0	47.8		ug/Kg		96	62 - 154	9	43
Chlorobenzene			50.0	47.7		ug/Kg		95	74 - 125	7	38
Chloroethane			50.0	49.6		ug/Kg		99	54 - 148	6	34
Chloroform			50.0	48.5		ug/Kg		97	78 - 135	8	23
Chloromethane			50.0	43.7		ug/Kg		87	60 - 141	8	36
2-Chlorotoluene			50.0	44.7		ug/Kg		89	64 - 127	8	41
4-Chlorotoluene			50.0	43.9		ug/Kg		88	67 - 128	11	40
cis-1,2-Dichloroethene			50.0	49.7		ug/Kg		99	74 - 131	6	37
cis-1,3-Dichloropropene			50.0	46.5		ug/Kg		93	80 - 134	8	39
Dibromochloromethane			50.0	45.0		ug/Kg		90	80 - 133	7	24
1,2-Dibromo-3-Chloropropane			50.0	36.6	*-	ug/Kg		73	75 - 137	10	48
1,2-Dibromoethane (EDB)			50.0	44.2		ug/Kg		88	80 - 124	9	39
Dibromomethane			50.0	46.0		ug/Kg		92	80 - 129	6	37
1,2-Dichlorobenzene			50.0	46.6		ug/Kg		93	68 - 121	9	28
1,3-Dichlorobenzene			50.0	45.8		ug/Kg		92	64 - 126	10	41
1,4-Dichlorobenzene			50.0	46.0		ug/Kg		92	65 - 124	9	38
Dichlorodifluoromethane			50.0	33.2		ug/Kg		66	60 - 130	10	46
1,1-Dichloroethane			50.0	47.0		ug/Kg		94	76 - 134	9	24
1,2-Dichloroethane			50.0	45.9		ug/Kg		92	66 - 150	9	36
1,1-Dichloroethene			50.0	45.2		ug/Kg		90	66 - 136	6	42

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 320-456610/8
Matrix: Solid
Analysis Batch: 456610

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dichloropropane			50.0	48.0		ug/Kg		96	80 - 129	7	38
1,3-Dichloropropane			50.0	44.2		ug/Kg		88	80 - 123	7	39
2,2-Dichloropropane			50.0	46.7		ug/Kg		93	69 - 153	13	47
1,1-Dichloropropene			50.0	48.6		ug/Kg		97	76 - 132	9	38
Ethylbenzene			50.0	48.2		ug/Kg		96	72 - 125	9	41
Hexachlorobutadiene			50.0	39.8		ug/Kg		80	52 - 140	17	38
2-Hexanone			50.0	50.3		ug/Kg		101	78 - 143	4	73
Isopropylbenzene			50.0	47.7		ug/Kg		95	69 - 137	10	41
Methylene Chloride			50.0	46.5		ug/Kg		93	77 - 125	8	25
4-Methyl-2-pentanone (MIBK)			50.0	52.3		ug/Kg		105	79 - 150	4	48
Methyl-t-Butyl Ether (MTBE)			50.0	45.1		ug/Kg		90	66 - 146	9	45
m-Xylene & p-Xylene			50.0	47.8		ug/Kg		96	73 - 128	9	40
Naphthalene			50.0	44.1		ug/Kg		88	53 - 140	11	46
n-Butylbenzene			50.0	42.8		ug/Kg		86	68 - 136	16	37
N-Propylbenzene			50.0	43.9		ug/Kg		88	63 - 128	11	42
o-Xylene			50.0	48.5		ug/Kg		97	76 - 127	8	40
p-Isopropyltoluene			50.0	44.3		ug/Kg		89	64 - 137	14	40
sec-Butylbenzene			50.0	44.4		ug/Kg		89	68 - 131	13	40
Styrene			50.0	49.4		ug/Kg		99	79 - 128	7	40
tert-Butyl alcohol (TBA)			500	461		ug/Kg		92	46 - 181	9	68
tert-Butylbenzene			50.0	45.6		ug/Kg		91	67 - 131	10	42
1,1,1,2-Tetrachloroethane			50.0	49.1		ug/Kg		98	77 - 134	6	25
1,1,2,2-Tetrachloroethane			50.0	41.7		ug/Kg		83	71 - 134	8	31
Tetrachloroethene			50.0	43.5		ug/Kg		87	65 - 135	11	39
Toluene			50.0	46.0		ug/Kg		92	80 - 124	6	39
trans-1,2-Dichloroethene			50.0	46.1		ug/Kg		92	67 - 135	11	37
trans-1,3-Dichloropropene			50.0	46.7		ug/Kg		93	80 - 148	7	42
1,2,3-Trichlorobenzene			50.0	46.7		ug/Kg		93	54 - 140	12	42
1,2,4-Trichlorobenzene			50.0	45.7		ug/Kg		91	48 - 145	13	39
1,1,1-Trichloroethane			50.0	48.8		ug/Kg		98	67 - 150	8	43
1,1,2-Trichloroethane			50.0	44.5		ug/Kg		89	80 - 128	8	41
Trichloroethene			50.0	46.0		ug/Kg		92	80 - 126	9	40
Trichlorofluoromethane			50.0	44.0		ug/Kg		88	43 - 158	13	32
1,2,3-Trichloropropane			50.0	39.2		ug/Kg		78	71 - 132	8	41
1,1,2-Trichloro-1,2,2-trifluoroethane			50.0	42.3		ug/Kg		85	62 - 138	11	22
1,2,4-Trimethylbenzene			50.0	46.0		ug/Kg		92	64 - 137	10	41
1,3,5-Trimethylbenzene			50.0	44.1		ug/Kg		88	66 - 135	13	42
Vinyl acetate			50.0	44.1		ug/Kg		88	39 - 160	9	50
Vinyl chloride			50.0	43.1		ug/Kg		86	67 - 127	8	37
Xylenes, Total			100	96.3		ug/Kg		96	75 - 122	8	15

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*63 - 143*
Dibromofluoromethane (Surr)	*101*		*55 - 129*
1,2-Dichloroethane-d4 (Surr)	*90*		*32 - 156*
Toluene-d8 (Surr)	*98*		*63 - 138*

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 320-456612/10
Matrix: Solid
Analysis Batch: 456612

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C4-C12	ND		0.50		mg/Kg			01/29/21 09:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 131*		*01/29/21 09:56*	*1*

Lab Sample ID: LCS 320-456612/4
Matrix: Solid
Analysis Batch: 456612

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C4-C12			1.00	1.01		mg/Kg		101	79 - 123		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*70 - 131*

Lab Sample ID: LCSD 320-456612/5
Matrix: Solid
Analysis Batch: 456612

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C4-C12			1.00	0.977		mg/Kg		98	79 - 123	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*70 - 131*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 320-456715/1-A
Matrix: Solid
Analysis Batch: 458325

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 456715

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		330		ug/Kg		01/29/21 10:58	02/03/21 16:25	1
Acenaphthylene	ND		330		ug/Kg		01/29/21 10:58	02/03/21 16:25	1
Anthracene	ND		330		ug/Kg		01/29/21 10:58	02/03/21 16:25	1
Benzo[a]anthracene	ND		330		ug/Kg		01/29/21 10:58	02/03/21 16:25	1
Benzo[b]fluoranthene	ND		330		ug/Kg		01/29/21 10:58	02/03/21 16:25	1
Benzo[k]fluoranthene	ND		330		ug/Kg		01/29/21 10:58	02/03/21 16:25	1
Benzo[g,h,i]perylene	ND		330		ug/Kg		01/29/21 10:58	02/03/21 16:25	1
Benzo[a]pyrene	ND		330		ug/Kg		01/29/21 10:58	02/03/21 16:25	1
Bis(2-chloroethoxy)methane	ND		330		ug/Kg		01/29/21 10:58	02/03/21 16:25	1
Bis(2-chloroethyl)ether	ND		330		ug/Kg		01/29/21 10:58	02/03/21 16:25	1
bis (2-chloroisopropyl) ether	ND		330		ug/Kg		01/29/21 10:58	02/03/21 16:25	1
Bis(2-ethylhexyl) phthalate	ND		330		ug/Kg		01/29/21 10:58	02/03/21 16:25	1
4-Bromophenyl phenyl ether	ND		330		ug/Kg		01/29/21 10:58	02/03/21 16:25	1
Butyl benzyl phthalate	ND		330		ug/Kg		01/29/21 10:58	02/03/21 16:25	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 320-456715/1-A
Matrix: Solid
Analysis Batch: 458325

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 456715

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chloroaniline	ND		330		ug/Kg		01/29/21 10:58	02/03/21 16:25	1
4-Chloro-3-methylphenol	ND		330		ug/Kg		01/29/21 10:58	02/03/21 16:25	1
2-Chloronaphthalene	ND		330		ug/Kg		01/29/21 10:58	02/03/21 16:25	1
2-Chlorophenol	ND		330		ug/Kg		01/29/21 10:58	02/03/21 16:25	1
4-Chlorophenyl phenyl ether	ND		330		ug/Kg		01/29/21 10:58	02/03/21 16:25	1
Chrysene	ND		330		ug/Kg		01/29/21 10:58	02/03/21 16:25	1
Dibenz(a,h)anthracene	ND		330		ug/Kg		01/29/21 10:58	02/03/21 16:25	1
Dibenzofuran	ND		330		ug/Kg		01/29/21 10:58	02/03/21 16:25	1
Di-n-butyl phthalate	ND		330		ug/Kg		01/29/21 10:58	02/03/21 16:25	1
1,2-Dichlorobenzene	ND		330		ug/Kg		01/29/21 10:58	02/03/21 16:25	1
1,3-Dichlorobenzene	ND		330		ug/Kg		01/29/21 10:58	02/03/21 16:25	1
1,4-Dichlorobenzene	ND		330		ug/Kg		01/29/21 10:58	02/03/21 16:25	1
3,3'-Dichlorobenzidine	ND		1600		ug/Kg		01/29/21 10:58	02/03/21 16:25	1
2,4-Dichlorophenol	ND		330		ug/Kg		01/29/21 10:58	02/03/21 16:25	1
Diethyl phthalate	ND		330		ug/Kg		01/29/21 10:58	02/03/21 16:25	1
2,4-Dimethylphenol	ND		330		ug/Kg		01/29/21 10:58	02/03/21 16:25	1
Dimethyl phthalate	ND		330		ug/Kg		01/29/21 10:58	02/03/21 16:25	1
4,6-Dinitro-2-methylphenol	ND		1600		ug/Kg		01/29/21 10:58	02/03/21 16:25	1
2,4-Dinitrophenol	ND		1600		ug/Kg		01/29/21 10:58	02/03/21 16:25	1
2,4-Dinitrotoluene	ND		330		ug/Kg		01/29/21 10:58	02/03/21 16:25	1
2,6-Dinitrotoluene	ND		330		ug/Kg		01/29/21 10:58	02/03/21 16:25	1
Di-n-octyl phthalate	ND		330		ug/Kg		01/29/21 10:58	02/03/21 16:25	1
Fluoranthene	ND		330		ug/Kg		01/29/21 10:58	02/03/21 16:25	1
Fluorene	ND		330		ug/Kg		01/29/21 10:58	02/03/21 16:25	1
Hexachlorobenzene	ND		330		ug/Kg		01/29/21 10:58	02/03/21 16:25	1
Hexachlorobutadiene	ND		330		ug/Kg		01/29/21 10:58	02/03/21 16:25	1
Hexachlorocyclopentadiene	ND		1600		ug/Kg		01/29/21 10:58	02/03/21 16:25	1
Hexachloroethane	ND		330		ug/Kg		01/29/21 10:58	02/03/21 16:25	1
Indeno[1,2,3-cd]pyrene	ND		330		ug/Kg		01/29/21 10:58	02/03/21 16:25	1
Isophorone	ND		330		ug/Kg		01/29/21 10:58	02/03/21 16:25	1
2-Methylnaphthalene	ND		330		ug/Kg		01/29/21 10:58	02/03/21 16:25	1
2-Methylphenol	ND		330		ug/Kg		01/29/21 10:58	02/03/21 16:25	1
3-Methylphenol & 4-Methylphenol	ND		660		ug/Kg		01/29/21 10:58	02/03/21 16:25	1
Naphthalene	ND		330		ug/Kg		01/29/21 10:58	02/03/21 16:25	1
2-Nitroaniline	ND		1600		ug/Kg		01/29/21 10:58	02/03/21 16:25	1
3-Nitroaniline	ND		1600		ug/Kg		01/29/21 10:58	02/03/21 16:25	1
4-Nitroaniline	ND		1600		ug/Kg		01/29/21 10:58	02/03/21 16:25	1
Nitrobenzene	ND		330		ug/Kg		01/29/21 10:58	02/03/21 16:25	1
2-Nitrophenol	ND		330		ug/Kg		01/29/21 10:58	02/03/21 16:25	1
4-Nitrophenol	ND		1600		ug/Kg		01/29/21 10:58	02/03/21 16:25	1
N-Nitrosodiphenylamine	ND		330		ug/Kg		01/29/21 10:58	02/03/21 16:25	1
N-Nitrosodi-n-propylamine	ND		330		ug/Kg		01/29/21 10:58	02/03/21 16:25	1
Pentachlorophenol	ND		1600		ug/Kg		01/29/21 10:58	02/03/21 16:25	1
Phenanthrene	ND		330		ug/Kg		01/29/21 10:58	02/03/21 16:25	1
Phenol	ND		330		ug/Kg		01/29/21 10:58	02/03/21 16:25	1
Pyrene	ND		330		ug/Kg		01/29/21 10:58	02/03/21 16:25	1
1,2,4-Trichlorobenzene	ND		330		ug/Kg		01/29/21 10:58	02/03/21 16:25	1
2,4,5-Trichlorophenol	ND		330		ug/Kg		01/29/21 10:58	02/03/21 16:25	1
2,4,6-Trichlorophenol	ND		330		ug/Kg		01/29/21 10:58	02/03/21 16:25	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	91		57 - 124	01/29/21 10:58	02/03/21 16:25	1
2-Fluorobiphenyl (Surr)	85		59 - 99	01/29/21 10:58	02/03/21 16:25	1
2-Fluorophenol (Surr)	87		56 - 96	01/29/21 10:58	02/03/21 16:25	1
Nitrobenzene-d5 (Surr)	76		57 - 97	01/29/21 10:58	02/03/21 16:25	1
Phenol-d5 (Surr)	88		58 - 98	01/29/21 10:58	02/03/21 16:25	1
Terphenyl-d14 (Surr)	94		70 - 112	01/29/21 10:58	02/03/21 16:25	1

Lab Sample ID: LCS 320-456715/2-A
Matrix: Solid
Analysis Batch: 458325

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 456715

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	3330	2820		ug/Kg		84	61 - 101
Acenaphthylene	3330	2840		ug/Kg		85	58 - 98
Anthracene	3330	2970		ug/Kg		89	61 - 101
Benzo[a]anthracene	3330	3000		ug/Kg		90	65 - 105
Benzo[b]fluoranthene	3330	3120		ug/Kg		94	67 - 107
Benzo[k]fluoranthene	3330	3120		ug/Kg		94	64 - 104
Benzo[g,h,i]perylene	3330	3100		ug/Kg		93	63 - 104
Benzo[a]pyrene	3330	3060		ug/Kg		92	67 - 107
Bis(2-chloroethoxy)methane	3330	2840		ug/Kg		85	57 - 97
Bis(2-chloroethyl)ether	3330	2730		ug/Kg		82	54 - 94
bis (2-chloroisopropyl) ether	3330	2420		ug/Kg		73	49 - 98
Bis(2-ethylhexyl) phthalate	3330	2970		ug/Kg		89	66 - 117
4-Bromophenyl phenyl ether	3330	3070		ug/Kg		92	64 - 104
Butyl benzyl phthalate	3330	3020		ug/Kg		91	69 - 113
4-Chloroaniline	3330	2420		ug/Kg		73	44 - 91
4-Chloro-3-methylphenol	3330	3170		ug/Kg		95	68 - 108
2-Chloronaphthalene	3330	2800		ug/Kg		84	59 - 99
2-Chlorophenol	3330	2940		ug/Kg		88	58 - 98
4-Chlorophenyl phenyl ether	3330	2960		ug/Kg		89	63 - 106
Chrysene	3330	2950		ug/Kg		88	64 - 104
Dibenz(a,h)anthracene	3330	3050		ug/Kg		92	65 - 105
Dibenzofuran	3330	2860		ug/Kg		86	60 - 100
Di-n-butyl phthalate	3330	3060		ug/Kg		92	65 - 105
1,2-Dichlorobenzene	3330	2710		ug/Kg		81	53 - 93
1,3-Dichlorobenzene	3330	2610		ug/Kg		78	51 - 91
1,4-Dichlorobenzene	3330	2690		ug/Kg		81	52 - 92
3,3'-Dichlorobenzidine	3330	2470		ug/Kg		74	53 - 111
2,4-Dichlorophenol	3330	3120		ug/Kg		94	64 - 104
Diethyl phthalate	3330	2910		ug/Kg		87	63 - 109
2,4-Dimethylphenol	3330	2900		ug/Kg		87	64 - 104
Dimethyl phthalate	3330	2950		ug/Kg		88	64 - 106
4,6-Dinitro-2-methylphenol	6670	4960		ug/Kg		74	10 - 82
2,4-Dinitrophenol	6670	3910		ug/Kg		59	10 - 60
2,4-Dinitrotoluene	3330	3140		ug/Kg		94	66 - 116
2,6-Dinitrotoluene	3330	3260		ug/Kg		98	68 - 110
Di-n-octyl phthalate	3330	2940		ug/Kg		88	67 - 114
Fluoranthene	3330	3010		ug/Kg		90	63 - 103
Fluorene	3330	2890		ug/Kg		87	62 - 102
Hexachlorobenzene	3330	3140		ug/Kg		94	63 - 107

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 320-456715/2-A
Matrix: Solid
Analysis Batch: 458325

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 456715

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexachlorobutadiene	3330	2770		ug/Kg		83	57 - 97
Hexachlorocyclopentadiene	3330	2630		ug/Kg		79	36 - 100
Hexachloroethane	3330	2630		ug/Kg		79	54 - 94
Indeno[1,2,3-cd]pyrene	3330	3000		ug/Kg		90	67 - 108
Isophorone	3330	2800		ug/Kg		84	57 - 97
2-Methylnaphthalene	3330	2810		ug/Kg		84	57 - 97
2-Methylphenol	3330	2900		ug/Kg		87	61 - 101
3-Methylphenol & 4-Methylphenol	3330	2980		ug/Kg		89	62 - 102
Naphthalene	3330	2640		ug/Kg		79	54 - 94
2-Nitroaniline	3330	2990		ug/Kg		90	62 - 121
3-Nitroaniline	3330	2730		ug/Kg		82	50 - 98
4-Nitroaniline	3330	3100		ug/Kg		93	63 - 109
Nitrobenzene	3330	2820		ug/Kg		85	58 - 98
2-Nitrophenol	3330	3030		ug/Kg		91	63 - 103
4-Nitrophenol	6670	6190		ug/Kg		93	58 - 134
N-Nitrosodiphenylamine	3330	2970		ug/Kg		89	61 - 101
N-Nitrosodi-n-propylamine	3330	2840		ug/Kg		85	58 - 101
Pentachlorophenol	6670	6210		ug/Kg		93	53 - 101
Phenanthrene	3330	2860		ug/Kg		86	60 - 100
Phenol	3330	2960		ug/Kg		89	61 - 101
Pyrene	3330	3010		ug/Kg		90	65 - 105
1,2,4-Trichlorobenzene	3330	2770		ug/Kg		83	55 - 95
2,4,5-Trichlorophenol	3330	3160		ug/Kg		95	68 - 110
2,4,6-Trichlorophenol	3330	3190		ug/Kg		96	70 - 111

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*99*		*57 - 124*
2-Fluorobiphenyl (Surr)	*84*		*59 - 99*
2-Fluorophenol (Surr)	*87*		*56 - 96*
Nitrobenzene-d5 (Surr)	*88*		*57 - 97*
Phenol-d5 (Surr)	*88*		*58 - 98*
Terphenyl-d14 (Surr)	*92*		*70 - 112*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 320-456666/1-A
Matrix: Solid
Analysis Batch: 457436

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 456666

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		1.0		mg/Kg		01/29/21 09:40	02/01/21 12:42	1
Motor Oil Range Organics [C28-C40]	ND		5.0		mg/Kg		01/29/21 09:40	02/01/21 12:42	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*81*		*63 - 141*	*01/29/21 09:40*	*02/01/21 12:42*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 320-456666/2-A
Matrix: Solid
Analysis Batch: 457436

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 456666

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics [C10-C28]			10.0	9.86		mg/Kg		99	67 - 113		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl (Surr)	*81*		*63 - 141*

Lab Sample ID: 320-69284-3 MS
Matrix: Solid
Analysis Batch: 457436

Client Sample ID: B-3-2
Prep Type: Total/NA
Prep Batch: 456666

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics [C10-C28]	ND		11.4	11.5		mg/Kg	☼	94	67 - 113		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
o-Terphenyl (Surr)	*78*		*63 - 141*

Lab Sample ID: 320-69284-3 MSD
Matrix: Solid
Analysis Batch: 457436

Client Sample ID: B-3-2
Prep Type: Total/NA
Prep Batch: 456666

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	ND		11.1	11.5		mg/Kg	☼	96	67 - 113	0	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
o-Terphenyl (Surr)	*78*		*63 - 141*

Method: 8081A - Organochlorine Pesticides (GC)

Lab Sample ID: MB 320-456729/1-A
Matrix: Solid
Analysis Batch: 458706

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 456729

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.7		ug/Kg		01/29/21 11:13	02/04/21 19:41	1
4,4'-DDE	ND		1.7		ug/Kg		01/29/21 11:13	02/04/21 19:41	1
4,4'-DDT	ND		1.7		ug/Kg		01/29/21 11:13	02/04/21 19:41	1
Aldrin	ND		1.7		ug/Kg		01/29/21 11:13	02/04/21 19:41	1
alpha-BHC	ND		1.7		ug/Kg		01/29/21 11:13	02/04/21 19:41	1
beta-BHC	ND		1.7		ug/Kg		01/29/21 11:13	02/04/21 19:41	1
gamma-BHC (Lindane)	ND		1.7		ug/Kg		01/29/21 11:13	02/04/21 19:41	1
delta-BHC	ND		1.7		ug/Kg		01/29/21 11:13	02/04/21 19:41	1
cis-Chlordane	ND		1.7		ug/Kg		01/29/21 11:13	02/04/21 19:41	1
trans-Chlordane	ND		1.7		ug/Kg		01/29/21 11:13	02/04/21 19:41	1
Dieldrin	ND		1.7		ug/Kg		01/29/21 11:13	02/04/21 19:41	1
Endosulfan I	ND		1.7		ug/Kg		01/29/21 11:13	02/04/21 19:41	1
Endosulfan II	ND		1.7		ug/Kg		01/29/21 11:13	02/04/21 19:41	1
Endosulfan sulfate	ND		1.7		ug/Kg		01/29/21 11:13	02/04/21 19:41	1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 320-456729/1-A
Matrix: Solid
Analysis Batch: 458706

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 456729

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endrin	ND		1.7		ug/Kg		01/29/21 11:13	02/04/21 19:41	1
Endrin aldehyde	ND		1.7		ug/Kg		01/29/21 11:13	02/04/21 19:41	1
Endrin ketone	ND		1.7		ug/Kg		01/29/21 11:13	02/04/21 19:41	1
Heptachlor	ND		1.7		ug/Kg		01/29/21 11:13	02/04/21 19:41	1
Heptachlor epoxide	ND		1.7		ug/Kg		01/29/21 11:13	02/04/21 19:41	1
Methoxychlor	ND		3.4		ug/Kg		01/29/21 11:13	02/04/21 19:41	1
Toxaphene	ND		67		ug/Kg		01/29/21 11:13	02/04/21 19:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*91*		*47 - 107*	*01/29/21 11:13*	*02/04/21 19:41*	*1*
Tetrachloro-m-xylene	*91*		*47 - 107*	*01/29/21 11:13*	*02/04/21 19:41*	*1*
DCB Decachlorobiphenyl	*88*		*46 - 109*	*01/29/21 11:13*	*02/04/21 19:41*	*1*
DCB Decachlorobiphenyl	*91*		*46 - 109*	*01/29/21 11:13*	*02/04/21 19:41*	*1*

Lab Sample ID: LCS 320-456729/2-A
Matrix: Solid
Analysis Batch: 458706

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 456729

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	16.7	16.4		ug/Kg		98	53 - 117
4,4'-DDE	16.7	15.7		ug/Kg		94	58 - 115
4,4'-DDT	16.7	17.0		ug/Kg		102	53 - 128
Aldrin	16.7	15.5		ug/Kg		93	55 - 109
alpha-BHC	16.7	15.4		ug/Kg		93	54 - 111
beta-BHC	16.7	15.5		ug/Kg		93	53 - 115
gamma-BHC (Lindane)	16.7	16.0		ug/Kg		96	54 - 112
delta-BHC	16.7	15.0		ug/Kg		90	39 - 124
cis-Chlordane	16.7	15.9		ug/Kg		95	54 - 113
trans-Chlordane	16.7	15.8		ug/Kg		95	55 - 114
Dieldrin	16.7	16.2		ug/Kg		97	54 - 117
Endosulfan I	16.7	12.1		ug/Kg		73	42 - 118
Endosulfan II	16.7	15.1		ug/Kg		91	48 - 118
Endosulfan sulfate	16.7	18.2		ug/Kg		109	51 - 113
Endrin	16.7	16.5		ug/Kg		99	58 - 115
Endrin aldehyde	16.7	14.3		ug/Kg		86	40 - 100
Endrin ketone	16.7	15.2		ug/Kg		91	51 - 118
Heptachlor	16.7	15.8		ug/Kg		95	50 - 118
Heptachlor epoxide	16.7	15.9		ug/Kg		95	56 - 113
Methoxychlor	16.7	15.6		ug/Kg		94	52 - 123

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*82*		*47 - 107*
DCB Decachlorobiphenyl	*85*		*46 - 109*

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 320-456729/3-A
Matrix: Solid
Analysis Batch: 458706

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 456729

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Toxaphene			167	137		ug/Kg		82	43 - 123		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*78*		*47 - 107*
DCB Decachlorobiphenyl	*80*		*46 - 109*

Lab Sample ID: 320-69284-1 MS
Matrix: Solid
Analysis Batch: 458706

Client Sample ID: B-1-2
Prep Type: Total/NA
Prep Batch: 456729

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
4,4'-DDD	ND		19.3	17.3		ug/Kg	☼	90	53 - 117		
4,4'-DDE	ND		19.3	16.4		ug/Kg	☼	85	58 - 115		
4,4'-DDT	ND		19.3	18.1		ug/Kg	☼	94	53 - 128		
Aldrin	ND		19.3	15.4		ug/Kg	☼	80	55 - 109		
alpha-BHC	ND		19.3	14.5		ug/Kg	☼	75	54 - 111		
beta-BHC	ND		19.3	13.9		ug/Kg	☼	72	53 - 115		
gamma-BHC (Lindane)	ND		19.3	13.7		ug/Kg	☼	71	54 - 112		
delta-BHC	ND		19.3	14.0		ug/Kg	☼	72	39 - 124		
cis-Chlordane	ND		19.3	16.7		ug/Kg	☼	87	54 - 113		
trans-Chlordane	ND		19.3	16.8		ug/Kg	☼	87	55 - 114		
Dieldrin	ND		19.3	17.1		ug/Kg	☼	88	54 - 117		
Endosulfan I	ND		19.3	13.4		ug/Kg	☼	69	42 - 118		
Endosulfan II	ND		19.3	15.9		ug/Kg	☼	82	48 - 118		
Endosulfan sulfate	ND		19.3	19.8		ug/Kg	☼	103	51 - 113		
Endrin	ND		19.3	17.6		ug/Kg	☼	91	58 - 115		
Endrin aldehyde	ND		19.3	15.2		ug/Kg	☼	79	40 - 100		
Endrin ketone	ND		19.3	15.9		ug/Kg	☼	82	51 - 118		
Heptachlor	ND		19.3	15.4		ug/Kg	☼	80	50 - 118		
Heptachlor epoxide	ND		19.3	16.7		ug/Kg	☼	87	56 - 113		
Methoxychlor	ND	F2	19.3	16.3		ug/Kg	☼	84	52 - 123		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Tetrachloro-m-xylene	*54*		*47 - 107*
DCB Decachlorobiphenyl	*78*		*46 - 109*

Lab Sample ID: 320-69284-1 MSD
Matrix: Solid
Analysis Batch: 459218

Client Sample ID: B-1-2
Prep Type: Total/NA
Prep Batch: 456729

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD	ND		19.7	14.5		ug/Kg	☼	74	53 - 117	18	30
4,4'-DDE	ND		19.7	14.9		ug/Kg	☼	76	58 - 115	10	30
4,4'-DDT	ND		19.7	14.4		ug/Kg	☼	73	53 - 128	23	30
Aldrin	ND		19.7	14.1		ug/Kg	☼	72	55 - 109	9	30
alpha-BHC	ND		19.7	13.6		ug/Kg	☼	69	54 - 111	6	30
beta-BHC	ND		19.7	12.9		ug/Kg	☼	66	53 - 115	7	30
gamma-BHC (Lindane)	ND		19.7	12.8		ug/Kg	☼	65	54 - 112	7	30

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 320-69284-1 MSD
Matrix: Solid
Analysis Batch: 459218

Client Sample ID: B-1-2
Prep Type: Total/NA
Prep Batch: 456729

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
delta-BHC	ND		19.7	12.2		ug/Kg	☼	62	39 - 124	13	30
cis-Chlordane	ND		19.7	14.2		ug/Kg	☼	72	54 - 113	17	30
trans-Chlordane	ND		19.7	14.6		ug/Kg	☼	74	55 - 114	14	30
Dieldrin	ND		19.7	15.0		ug/Kg	☼	76	54 - 117	13	30
Endosulfan I	ND		19.7	11.0		ug/Kg	☼	56	42 - 118	20	30
Endosulfan II	ND		19.7	13.2		ug/Kg	☼	67	48 - 118	18	30
Endosulfan sulfate	ND		19.7	17.5		ug/Kg	☼	89	51 - 113	13	30
Endrin	ND		19.7	15.3		ug/Kg	☼	78	58 - 115	14	30
Endrin aldehyde	ND		19.7	11.7		ug/Kg	☼	59	40 - 100	26	30
Endrin ketone	ND		19.7	13.4		ug/Kg	☼	68	51 - 118	17	30
Heptachlor	ND		19.7	13.8		ug/Kg	☼	70	50 - 118	11	30
Heptachlor epoxide	ND		19.7	14.5		ug/Kg	☼	74	56 - 113	15	30
Methoxychlor	ND	F2	19.7	12.0	F2	ug/Kg	☼	61	52 - 123	31	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*47*		*47 - 107*
DCB Decachlorobiphenyl	*55*		*46 - 109*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 320-456730/1-A
Matrix: Solid
Analysis Batch: 459063

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 456730

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		33		ug/Kg		01/29/21 11:15	02/05/21 17:24	1
PCB-1221	ND		33		ug/Kg		01/29/21 11:15	02/05/21 17:24	1
PCB-1232	ND		33		ug/Kg		01/29/21 11:15	02/05/21 17:24	1
PCB-1242	ND		33		ug/Kg		01/29/21 11:15	02/05/21 17:24	1
PCB-1248	ND		33		ug/Kg		01/29/21 11:15	02/05/21 17:24	1
PCB-1254	ND		33		ug/Kg		01/29/21 11:15	02/05/21 17:24	1
PCB-1260	ND		33		ug/Kg		01/29/21 11:15	02/05/21 17:24	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*86*		*52 - 138*	*01/29/21 11:15*	*02/05/21 17:24*	*1*

Lab Sample ID: LCS 320-456730/2-A
Matrix: Solid
Analysis Batch: 459063

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 456730

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016			66.7	68.1		ug/Kg		102	58 - 124		
PCB-1260			66.7	61.4		ug/Kg		92	55 - 138		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*94*		*52 - 138*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 320-69284-2 MS
Matrix: Solid
Analysis Batch: 459063

Client Sample ID: B-2-2
Prep Type: Total/NA
Prep Batch: 456730

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	ND		78.5	82.4		ug/Kg	☼	105	58 - 124
PCB-1260	ND	F2	78.5	75.8		ug/Kg	☼	97	55 - 138

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*92*		*52 - 138*

Lab Sample ID: 320-69284-2 MSD
Matrix: Solid
Analysis Batch: 459063

Client Sample ID: B-2-2
Prep Type: Total/NA
Prep Batch: 456730

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	ND		75.9	69.8		ug/Kg	☼	92	58 - 124	17	20
PCB-1260	ND	F2	75.9	59.4	F2	ug/Kg	☼	78	55 - 138	24	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*80*		*52 - 138*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 320-456354/1-A
Matrix: Solid
Analysis Batch: 456827

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 456354

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		2.0		mg/Kg		01/28/21 12:51	01/29/21 11:36	1
Arsenic	ND		2.0		mg/Kg		01/28/21 12:51	01/29/21 11:36	1
Barium	ND		1.0		mg/Kg		01/28/21 12:51	01/29/21 11:36	1
Beryllium	ND		0.20		mg/Kg		01/28/21 12:51	01/29/21 11:36	1
Cadmium	ND		0.20		mg/Kg		01/28/21 12:51	01/29/21 11:36	1
Chromium	ND		0.50		mg/Kg		01/28/21 12:51	01/29/21 11:36	1
Cobalt	ND		0.50		mg/Kg		01/28/21 12:51	01/29/21 11:36	1
Copper	ND		1.5		mg/Kg		01/28/21 12:51	01/29/21 11:36	1
Lead	ND		1.0		mg/Kg		01/28/21 12:51	01/29/21 11:36	1
Molybdenum	ND		2.0		mg/Kg		01/28/21 12:51	01/29/21 11:36	1
Nickel	ND		1.0		mg/Kg		01/28/21 12:51	01/29/21 11:36	1
Selenium	ND		2.0		mg/Kg		01/28/21 12:51	01/29/21 11:36	1
Silver	ND		0.50		mg/Kg		01/28/21 12:51	01/29/21 11:36	1
Thallium	ND		2.0		mg/Kg		01/28/21 12:51	01/29/21 11:36	1
Vanadium	ND		0.50		mg/Kg		01/28/21 12:51	01/29/21 11:36	1
Zinc	ND		2.0		mg/Kg		01/28/21 12:51	01/29/21 11:36	1

Lab Sample ID: LCS 320-456354/2-A
Matrix: Solid
Analysis Batch: 456827

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 456354

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	49.5	45.6		mg/Kg		92	80 - 120
Arsenic	50.0	46.5		mg/Kg		93	80 - 120

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCS 320-456354/2-A
Matrix: Solid
Analysis Batch: 456827

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 456354

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Barium	50.0	47.1		mg/Kg		94	80 - 120
Beryllium	25.0	24.1		mg/Kg		96	80 - 120
Cadmium	25.0	23.6		mg/Kg		95	80 - 120
Chromium	25.0	24.4		mg/Kg		98	80 - 120
Cobalt	25.0	24.0		mg/Kg		96	80 - 120
Copper	25.0	24.0		mg/Kg		96	80 - 120
Lead	25.0	24.7		mg/Kg		99	80 - 120
Molybdenum	25.0	24.2		mg/Kg		97	80 - 120
Nickel	25.0	23.6		mg/Kg		94	80 - 120
Selenium	50.0	45.3		mg/Kg		91	80 - 120
Silver	5.05	4.55		mg/Kg		90	80 - 120
Thallium	50.0	47.8		mg/Kg		96	80 - 120
Vanadium	25.0	24.3		mg/Kg		97	80 - 120
Zinc	50.0	48.0		mg/Kg		96	80 - 120

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 320-455959/11-A
Matrix: Solid
Analysis Batch: 456348

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 455959

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.040		mg/Kg		01/27/21 11:51	01/28/21 10:26	1

Lab Sample ID: LCS 320-455959/12-A
Matrix: Solid
Analysis Batch: 456348

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 455959

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.167	0.171		mg/Kg		102	86 - 114

Lab Sample ID: LCSD 320-455959/13-A
Matrix: Solid
Analysis Batch: 456348

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 455959

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.167	0.162		mg/Kg		97	86 - 114	6	17

QC Association Summary

Client: Ninyo & Moore
Project/Site: Santa Rosa Fire Station 5

Job ID: 320-69284-1

GC/MS VOA

Prep Batch: 455938

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-69284-1	B-1-2	Total/NA	Solid	5035	
320-69284-2	B-2-2	Total/NA	Solid	5035	
320-69284-3	B-3-2	Total/NA	Solid	5035	
320-69284-4	B-4-2	Total/NA	Solid	5035	
320-69284-5	B-5-2	Total/NA	Solid	5035	

Analysis Batch: 456610

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-69284-1	B-1-2	Total/NA	Solid	8260B	455938
320-69284-2	B-2-2	Total/NA	Solid	8260B	455938
320-69284-3	B-3-2	Total/NA	Solid	8260B	455938
320-69284-4	B-4-2	Total/NA	Solid	8260B	455938
320-69284-5	B-5-2	Total/NA	Solid	8260B	455938
MB 320-456610/10	Method Blank	Total/NA	Solid	8260B	
LCS 320-456610/7	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 320-456610/8	Lab Control Sample Dup	Total/NA	Solid	8260B	

Analysis Batch: 456612

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-69284-1	B-1-2	Total/NA	Solid	8260B/CA_LUFT MS	455938
320-69284-2	B-2-2	Total/NA	Solid	8260B/CA_LUFT MS	455938
320-69284-3	B-3-2	Total/NA	Solid	8260B/CA_LUFT MS	455938
320-69284-4	B-4-2	Total/NA	Solid	8260B/CA_LUFT MS	455938
320-69284-5	B-5-2	Total/NA	Solid	8260B/CA_LUFT MS	455938
MB 320-456612/10	Method Blank	Total/NA	Solid	8260B/CA_LUFT MS	
LCS 320-456612/4	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	
LCSD 320-456612/5	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	

GC/MS Semi VOA

Prep Batch: 456715

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-69284-1	B-1-2	Total/NA	Solid	3550B	
320-69284-2	B-2-2	Total/NA	Solid	3550B	
320-69284-3	B-3-2	Total/NA	Solid	3550B	
320-69284-4	B-4-2	Total/NA	Solid	3550B	
320-69284-5	B-5-2	Total/NA	Solid	3550B	
MB 320-456715/1-A	Method Blank	Total/NA	Solid	3550B	
LCS 320-456715/2-A	Lab Control Sample	Total/NA	Solid	3550B	

Analysis Batch: 458325

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-69284-1	B-1-2	Total/NA	Solid	8270C	456715
320-69284-2	B-2-2	Total/NA	Solid	8270C	456715
320-69284-3	B-3-2	Total/NA	Solid	8270C	456715

GC/MS Semi VOA (Continued)

Analysis Batch: 458325 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-69284-4	B-4-2	Total/NA	Solid	8270C	456715
320-69284-5	B-5-2	Total/NA	Solid	8270C	456715
MB 320-456715/1-A	Method Blank	Total/NA	Solid	8270C	456715
LCS 320-456715/2-A	Lab Control Sample	Total/NA	Solid	8270C	456715

GC Semi VOA

Prep Batch: 456666

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-69284-1	B-1-2	Total/NA	Solid	3550B	
320-69284-2	B-2-2	Total/NA	Solid	3550B	
320-69284-3	B-3-2	Total/NA	Solid	3550B	
320-69284-4	B-4-2	Total/NA	Solid	3550B	
320-69284-5	B-5-2	Total/NA	Solid	3550B	
MB 320-456666/1-A	Method Blank	Total/NA	Solid	3550B	
LCS 320-456666/2-A	Lab Control Sample	Total/NA	Solid	3550B	
320-69284-3 MS	B-3-2	Total/NA	Solid	3550B	
320-69284-3 MSD	B-3-2	Total/NA	Solid	3550B	

Prep Batch: 456729

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-69284-1	B-1-2	Total/NA	Solid	3546	
320-69284-2	B-2-2	Total/NA	Solid	3546	
320-69284-3	B-3-2	Total/NA	Solid	3546	
320-69284-4	B-4-2	Total/NA	Solid	3546	
320-69284-5	B-5-2	Total/NA	Solid	3546	
MB 320-456729/1-A	Method Blank	Total/NA	Solid	3546	
LCS 320-456729/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCS 320-456729/3-A	Lab Control Sample	Total/NA	Solid	3546	
320-69284-1 MS	B-1-2	Total/NA	Solid	3546	
320-69284-1 MSD	B-1-2	Total/NA	Solid	3546	

Prep Batch: 456730

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-69284-1	B-1-2	Total/NA	Solid	3546	
320-69284-2	B-2-2	Total/NA	Solid	3546	
320-69284-3	B-3-2	Total/NA	Solid	3546	
320-69284-4	B-4-2	Total/NA	Solid	3546	
320-69284-5	B-5-2	Total/NA	Solid	3546	
MB 320-456730/1-A	Method Blank	Total/NA	Solid	3546	
LCS 320-456730/2-A	Lab Control Sample	Total/NA	Solid	3546	
320-69284-2 MS	B-2-2	Total/NA	Solid	3546	
320-69284-2 MSD	B-2-2	Total/NA	Solid	3546	

Analysis Batch: 457436

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-69284-1	B-1-2	Total/NA	Solid	8015B	456666
320-69284-2	B-2-2	Total/NA	Solid	8015B	456666
320-69284-3	B-3-2	Total/NA	Solid	8015B	456666
320-69284-4	B-4-2	Total/NA	Solid	8015B	456666
320-69284-5	B-5-2	Total/NA	Solid	8015B	456666

GC Semi VOA (Continued)

Analysis Batch: 457436 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 320-456666/1-A	Method Blank	Total/NA	Solid	8015B	456666
LCS 320-456666/2-A	Lab Control Sample	Total/NA	Solid	8015B	456666
320-69284-3 MS	B-3-2	Total/NA	Solid	8015B	456666
320-69284-3 MSD	B-3-2	Total/NA	Solid	8015B	456666

Analysis Batch: 458706

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-69284-1	B-1-2	Total/NA	Solid	8081A	456729
320-69284-2	B-2-2	Total/NA	Solid	8081A	456729
320-69284-3	B-3-2	Total/NA	Solid	8081A	456729
320-69284-4	B-4-2	Total/NA	Solid	8081A	456729
320-69284-5	B-5-2	Total/NA	Solid	8081A	456729
MB 320-456729/1-A	Method Blank	Total/NA	Solid	8081A	456729
LCS 320-456729/2-A	Lab Control Sample	Total/NA	Solid	8081A	456729
LCS 320-456729/3-A	Lab Control Sample	Total/NA	Solid	8081A	456729
320-69284-1 MS	B-1-2	Total/NA	Solid	8081A	456729

Analysis Batch: 459063

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-69284-1	B-1-2	Total/NA	Solid	8082	456730
320-69284-2	B-2-2	Total/NA	Solid	8082	456730
320-69284-3	B-3-2	Total/NA	Solid	8082	456730
320-69284-4	B-4-2	Total/NA	Solid	8082	456730
320-69284-5	B-5-2	Total/NA	Solid	8082	456730
MB 320-456730/1-A	Method Blank	Total/NA	Solid	8082	456730
LCS 320-456730/2-A	Lab Control Sample	Total/NA	Solid	8082	456730
320-69284-2 MS	B-2-2	Total/NA	Solid	8082	456730
320-69284-2 MSD	B-2-2	Total/NA	Solid	8082	456730

Analysis Batch: 459218

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-69284-1 MSD	B-1-2	Total/NA	Solid	8081A	456729

Metals

Prep Batch: 455959

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-69284-1	B-1-2	Total/NA	Solid	7471A	
320-69284-2	B-2-2	Total/NA	Solid	7471A	
320-69284-3	B-3-2	Total/NA	Solid	7471A	
320-69284-4	B-4-2	Total/NA	Solid	7471A	
320-69284-5	B-5-2	Total/NA	Solid	7471A	
MB 320-455959/11-A	Method Blank	Total/NA	Solid	7471A	
LCS 320-455959/12-A	Lab Control Sample	Total/NA	Solid	7471A	
LCSD 320-455959/13-A	Lab Control Sample Dup	Total/NA	Solid	7471A	

Analysis Batch: 456348

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-69284-1	B-1-2	Total/NA	Solid	7471A	455959
320-69284-2	B-2-2	Total/NA	Solid	7471A	455959
320-69284-3	B-3-2	Total/NA	Solid	7471A	455959

Metals (Continued)

Analysis Batch: 456348 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-69284-4	B-4-2	Total/NA	Solid	7471A	455959
320-69284-5	B-5-2	Total/NA	Solid	7471A	455959
MB 320-455959/11-A	Method Blank	Total/NA	Solid	7471A	455959
LCS 320-455959/12-A	Lab Control Sample	Total/NA	Solid	7471A	455959
LCSD 320-455959/13-A	Lab Control Sample Dup	Total/NA	Solid	7471A	455959

Prep Batch: 456354

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-69284-1	B-1-2	Total/NA	Solid	3050B	
320-69284-2	B-2-2	Total/NA	Solid	3050B	
320-69284-3	B-3-2	Total/NA	Solid	3050B	
320-69284-4	B-4-2	Total/NA	Solid	3050B	
320-69284-5	B-5-2	Total/NA	Solid	3050B	
MB 320-456354/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 320-456354/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Analysis Batch: 456827

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 320-456354/1-A	Method Blank	Total/NA	Solid	6010B	456354
LCS 320-456354/2-A	Lab Control Sample	Total/NA	Solid	6010B	456354

Analysis Batch: 458060

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-69284-1	B-1-2	Total/NA	Solid	6010B	456354
320-69284-2	B-2-2	Total/NA	Solid	6010B	456354
320-69284-3	B-3-2	Total/NA	Solid	6010B	456354
320-69284-4	B-4-2	Total/NA	Solid	6010B	456354
320-69284-5	B-5-2	Total/NA	Solid	6010B	456354

General Chemistry

Analysis Batch: 456363

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-69284-1	B-1-2	Total/NA	Solid	D 2216	
320-69284-2	B-2-2	Total/NA	Solid	D 2216	
320-69284-3	B-3-2	Total/NA	Solid	D 2216	
320-69284-4	B-4-2	Total/NA	Solid	D 2216	
320-69284-5	B-5-2	Total/NA	Solid	D 2216	

Lab Chronicle

Client: Ninyo & Moore
Project/Site: Santa Rosa Fire Station 5

Job ID: 320-69284-1

Client Sample ID: B-1-2
Date Collected: 01/25/21 10:51
Date Received: 01/25/21 15:25

Lab Sample ID: 320-69284-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			456363	01/28/21 13:08	KDB	TAL SAC

Client Sample ID: B-1-2
Date Collected: 01/25/21 10:51
Date Received: 01/25/21 15:25

Lab Sample ID: 320-69284-1
Matrix: Solid
Percent Solids: 83.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.133 g	5 mL	455938	01/25/21 15:25	EMJ	TAL SAC
Total/NA	Analysis	8260B		1	5 mL	5 mL	456610	01/29/21 11:30	SS	TAL SAC
Total/NA	Prep	5035			6.133 g	5 mL	455938	01/25/21 15:25	EMJ	TAL SAC
Total/NA	Analysis	8260B/CA_LUFTMS		1	5 mL	5 mL	456612	01/29/21 11:30	SS	TAL SAC
Total/NA	Prep	3550B			30.42 g	1 mL	456715	01/29/21 10:58	NGK	TAL SAC
Total/NA	Analysis	8270C		1			458325	02/03/21 17:48	Y1S	TAL SAC
Total/NA	Prep	3550B			30.89 g	3 mL	456666	01/29/21 09:40	MBG	TAL SAC
Total/NA	Analysis	8015B		1			457436	02/01/21 16:49	VMN	TAL SAC
Total/NA	Prep	3546			15.18 g	5 mL	456729	01/29/21 11:13	NGK	TAL SAC
Total/NA	Analysis	8081A		1			458706	02/04/21 20:38	K1D	TAL SAC
Total/NA	Prep	3546			15.18 g	5 mL	456730	01/29/21 11:15	NGK	TAL SAC
Total/NA	Analysis	8082		1			459063	02/05/21 18:04	K1D	TAL SAC
Total/NA	Prep	3050B			1.00 g	100 mL	456354	01/28/21 12:51	JP	TAL SAC
Total/NA	Analysis	6010B		1			458060	02/02/21 16:06	SP	TAL SAC
Total/NA	Prep	7471A			0.55 g	50 mL	455959	01/27/21 11:51	IM	TAL SAC
Total/NA	Analysis	7471A		1			456348	01/28/21 10:59	IM	TAL SAC

Client Sample ID: B-2-2
Date Collected: 01/25/21 10:38
Date Received: 01/25/21 15:25

Lab Sample ID: 320-69284-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			456363	01/28/21 13:08	KDB	TAL SAC

Client Sample ID: B-2-2
Date Collected: 01/25/21 10:38
Date Received: 01/25/21 15:25

Lab Sample ID: 320-69284-2
Matrix: Solid
Percent Solids: 83.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.138 g	5 mL	455938	01/25/21 15:25	EMJ	TAL SAC
Total/NA	Analysis	8260B		1	5 mL	5 mL	456610	01/29/21 11:54	SS	TAL SAC
Total/NA	Prep	5035			6.138 g	5 mL	455938	01/25/21 15:25	EMJ	TAL SAC
Total/NA	Analysis	8260B/CA_LUFTMS		1	5 mL	5 mL	456612	01/29/21 11:54	SS	TAL SAC
Total/NA	Prep	3550B			30.21 g	1 mL	456715	01/29/21 10:58	NGK	TAL SAC
Total/NA	Analysis	8270C		1			458325	02/03/21 18:15	Y1S	TAL SAC
Total/NA	Prep	3550B			30.04 g	3 mL	456666	01/29/21 09:40	MBG	TAL SAC
Total/NA	Analysis	8015B		1			457436	02/01/21 17:18	VMN	TAL SAC

Lab Chronicle

Client: Ninyo & Moore
Project/Site: Santa Rosa Fire Station 5

Job ID: 320-69284-1

Client Sample ID: B-2-2
Date Collected: 01/25/21 10:38
Date Received: 01/25/21 15:25

Lab Sample ID: 320-69284-2
Matrix: Solid
Percent Solids: 83.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.54 g	5 mL	456729	01/29/21 11:13	NGK	TAL SAC
Total/NA	Analysis	8081A		1			458706	02/04/21 21:35	K1D	TAL SAC
Total/NA	Prep	3546			15.54 g	5 mL	456730	01/29/21 11:15	NGK	TAL SAC
Total/NA	Analysis	8082		1			459063	02/05/21 18:24	K1D	TAL SAC
Total/NA	Prep	3050B			1.01 g	100 mL	456354	01/28/21 12:51	JP	TAL SAC
Total/NA	Analysis	6010B		1			458060	02/02/21 16:10	SP	TAL SAC
Total/NA	Prep	7471A			0.63 g	50 mL	455959	01/27/21 11:51	IM	TAL SAC
Total/NA	Analysis	7471A		1			456348	01/28/21 11:01	IM	TAL SAC

Client Sample ID: B-3-2
Date Collected: 01/25/21 10:15
Date Received: 01/25/21 15:25

Lab Sample ID: 320-69284-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			456363	01/28/21 13:08	KDB	TAL SAC

Client Sample ID: B-3-2
Date Collected: 01/25/21 10:15
Date Received: 01/25/21 15:25

Lab Sample ID: 320-69284-3
Matrix: Solid
Percent Solids: 87.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.986 g	5 mL	455938	01/25/21 15:25	EMJ	TAL SAC
Total/NA	Analysis	8260B		1	5 mL	5 mL	456610	01/29/21 12:17	SS	TAL SAC
Total/NA	Prep	5035			5.986 g	5 mL	455938	01/25/21 15:25	EMJ	TAL SAC
Total/NA	Analysis	8260B/CA_LUFTMS		1	5 mL	5 mL	456612	01/29/21 12:17	SS	TAL SAC
Total/NA	Prep	3550B			30.63 g	1 mL	456715	01/29/21 10:58	NGK	TAL SAC
Total/NA	Analysis	8270C		1			458325	02/03/21 18:43	Y1S	TAL SAC
Total/NA	Prep	3550B			30.33 g	3 mL	456666	01/29/21 09:40	MBG	TAL SAC
Total/NA	Analysis	8015B		1			457436	02/01/21 14:07	VMN	TAL SAC
Total/NA	Prep	3546			15.79 g	5 mL	456729	01/29/21 11:13	NGK	TAL SAC
Total/NA	Analysis	8081A		1			458706	02/04/21 21:53	K1D	TAL SAC
Total/NA	Prep	3546			15.79 g	5 mL	456730	01/29/21 11:15	NGK	TAL SAC
Total/NA	Analysis	8082		1			459063	02/05/21 19:24	K1D	TAL SAC
Total/NA	Prep	3050B			1.02 g	100 mL	456354	01/28/21 12:51	JP	TAL SAC
Total/NA	Analysis	6010B		1			458060	02/02/21 16:14	SP	TAL SAC
Total/NA	Prep	7471A			0.61 g	50 mL	455959	01/27/21 11:51	IM	TAL SAC
Total/NA	Analysis	7471A		1			456348	01/28/21 11:04	IM	TAL SAC

Client Sample ID: B-4-2
Date Collected: 01/25/21 09:59
Date Received: 01/25/21 15:25

Lab Sample ID: 320-69284-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			456363	01/28/21 13:08	KDB	TAL SAC

Lab Chronicle

Client: Ninyo & Moore
Project/Site: Santa Rosa Fire Station 5

Job ID: 320-69284-1

Client Sample ID: B-4-2
Date Collected: 01/25/21 09:59
Date Received: 01/25/21 15:25

Lab Sample ID: 320-69284-4
Matrix: Solid
Percent Solids: 79.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.783 g	5 mL	455938	01/25/21 15:25	EMJ	TAL SAC
Total/NA	Analysis	8260B		1	5 mL	5 mL	456610	01/29/21 13:04	SS	TAL SAC
Total/NA	Prep	5035			6.783 g	5 mL	455938	01/25/21 15:25	EMJ	TAL SAC
Total/NA	Analysis	8260B/CA_LUFTMS		1	5 mL	5 mL	456612	01/29/21 13:04	SS	TAL SAC
Total/NA	Prep	3550B			30.46 g	1 mL	456715	01/29/21 10:58	NGK	TAL SAC
Total/NA	Analysis	8270C		1			458325	02/03/21 19:11	Y1S	TAL SAC
Total/NA	Prep	3550B			30.19 g	3 mL	456666	01/29/21 09:40	MBG	TAL SAC
Total/NA	Analysis	8015B		1			457436	02/01/21 17:46	VMN	TAL SAC
Total/NA	Prep	3546			15.47 g	5 mL	456729	01/29/21 11:13	NGK	TAL SAC
Total/NA	Analysis	8081A		1			458706	02/04/21 22:12	K1D	TAL SAC
Total/NA	Prep	3546			15.47 g	5 mL	456730	01/29/21 11:15	NGK	TAL SAC
Total/NA	Analysis	8082		1			459063	02/05/21 19:44	K1D	TAL SAC
Total/NA	Prep	3050B			1.01 g	100 mL	456354	01/28/21 12:51	JP	TAL SAC
Total/NA	Analysis	6010B		1			458060	02/02/21 16:18	SP	TAL SAC
Total/NA	Prep	7471A			0.61 g	50 mL	455959	01/27/21 11:51	IM	TAL SAC
Total/NA	Analysis	7471A		1			456348	01/28/21 11:06	IM	TAL SAC

Client Sample ID: B-5-2
Date Collected: 01/25/21 09:40
Date Received: 01/25/21 15:25

Lab Sample ID: 320-69284-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			456363	01/28/21 13:08	KDB	TAL SAC

Client Sample ID: B-5-2
Date Collected: 01/25/21 09:40
Date Received: 01/25/21 15:25

Lab Sample ID: 320-69284-5
Matrix: Solid
Percent Solids: 86.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.109 g	5 mL	455938	01/25/21 15:25	EMJ	TAL SAC
Total/NA	Analysis	8260B		1	5 mL	5 mL	456610	01/29/21 13:27	SS	TAL SAC
Total/NA	Prep	5035			6.109 g	5 mL	455938	01/25/21 15:25	EMJ	TAL SAC
Total/NA	Analysis	8260B/CA_LUFTMS		1	5 mL	5 mL	456612	01/29/21 13:27	SS	TAL SAC
Total/NA	Prep	3550B			30.89 g	1 mL	456715	01/29/21 10:58	NGK	TAL SAC
Total/NA	Analysis	8270C		1			458325	02/03/21 19:38	Y1S	TAL SAC
Total/NA	Prep	3550B			30.47 g	3 mL	456666	01/29/21 09:40	MBG	TAL SAC
Total/NA	Analysis	8015B		1			457436	02/01/21 18:15	VMN	TAL SAC
Total/NA	Prep	3546			15.36 g	5 mL	456729	01/29/21 11:13	NGK	TAL SAC
Total/NA	Analysis	8081A		1			458706	02/04/21 22:31	K1D	TAL SAC
Total/NA	Prep	3546			15.36 g	5 mL	456730	01/29/21 11:15	NGK	TAL SAC
Total/NA	Analysis	8082		1			459063	02/05/21 20:04	K1D	TAL SAC
Total/NA	Prep	3050B			1.03 g	100 mL	456354	01/28/21 12:51	JP	TAL SAC
Total/NA	Analysis	6010B		1			458060	02/02/21 16:22	SP	TAL SAC

Lab Chronicle

Client: Ninyo & Moore
Project/Site: Santa Rosa Fire Station 5

Job ID: 320-69284-1

Client Sample ID: B-5-2

Date Collected: 01/25/21 09:40
Date Received: 01/25/21 15:25

Lab Sample ID: 320-69284-5

Matrix: Solid
Percent Solids: 86.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			0.59 g	50 mL	455959	01/27/21 11:51	IM	TAL SAC
Total/NA	Analysis	7471A		1			456348	01/28/21 11:09	IM	TAL SAC

Laboratory References:

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Accreditation/Certification Summary

Client: Ninyo & Moore
Job ID: 320-69284-1
Project/Site: Santa Rosa Fire Station 5

Laboratory: Eurofins TestAmerica, Sacramento

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
California	State	2897	01-31-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015B	3550B	Solid	Motor Oil Range Organics [C28-C40]
D 2216		Solid	Percent Moisture

Method Summary

Client: Ninyo & Moore
Project/Site: Santa Rosa Fire Station 5

Job ID: 320-69284-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL SAC
8260B/CA_LUFTMS	Volatile Organic Compounds by GC/MS	SW846	TAL SAC
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL SAC
8015B	Diesel Range Organics (DRO) (GC)	SW846	TAL SAC
8081A	Organochlorine Pesticides (GC)	SW846	TAL SAC
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL SAC
6010B	Metals (ICP)	SW846	TAL SAC
7471A	Mercury (CVAA)	SW846	TAL SAC
D 2216	Percent Moisture	ASTM	TAL SAC
3050B	Preparation, Metals	SW846	TAL SAC
3546	Microwave Extraction	SW846	TAL SAC
3550B	Ultrasonic Extraction	SW846	TAL SAC
5035	Closed System Purge and Trap	SW846	TAL SAC
7471A	Preparation, Mercury	SW846	TAL SAC

Protocol References:

ASTM = ASTM International

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Sample Summary

Client: Ninyo & Moore
Project/Site: Santa Rosa Fire Station 5

Job ID: 320-69284-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
320-69284-1	B-1-2	Solid	01/25/21 10:51	01/25/21 15:25	
320-69284-2	B-2-2	Solid	01/25/21 10:38	01/25/21 15:25	
320-69284-3	B-3-2	Solid	01/25/21 10:15	01/25/21 15:25	
320-69284-4	B-4-2	Solid	01/25/21 09:59	01/25/21 15:25	
320-69284-5	B-5-2	Solid	01/25/21 09:40	01/25/21 15:25	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TESTAMERICA Pleasanton Chain of Custody
1220 Quarry Lane • Pleasanton CA 94566-4756
Phone: (925) 484-1919 • Fax: (925) 600-3002

320-69284

Reference #: 198610

Date 1/25/21 Page ____ of ____

Report To

Attn:
Company: Ninyo & Moore
Address: bfong@ninyoandmoore.com
Email:
Bill To:
Sampled By: Jorge C.
Attn:
Phone: 510-691-7695

Analysis Request

Sample ID	Date	Time	Matrix	Preserv	Volatile Organics GC/MS (VOCs) ☒ EPA 8260B	HVOCs by ☐ EPA 8260B	EPA 8260B: ☐ Gas ☐ BTEX ☐ 5 Oxygenates ☐ DCA, EDB ☐ Ethanol	TEPH EPA 8015B ☐ Silica Gel ☒ Diesel ☒ Motor Oil ☐ Other	SemiVolatile Organics GC/MS ☒ EPA 8270C	PNA/PAH's by ☐ 8270C ☐ 8270C SIM	Oil and Grease (EPA 1664/9071) ☐ Petroleum ☐ Total	Pesticides ☒ EPA 8081 PCBs ☒ EPA 8082	CAM17 Metals (EPA 6010/7470/7471)	Metals: ☐ 6010B ☐ 200.7 ☐ Lead ☐ LUFT ☐ RCRA ☐ Other:	Metals: ☐ 6020 ☐ 200.8 (ICP-MS):	☐ W.E.T (STLC) ☐ W.E.T (DI) ☐ TCLP	Hex. Chrom by ☐ EPA 7196 ☐ or EPA 7199	pH ☐ 9040 ☐ SM4500	☐ Spec. Cond. ☐ Alkalinity ☐ TSS ☐ SS ☐ TDS	Anions: ☐ Cl ☐ SO_4 ☐ NO_3 ☐ F ☐ Br ☐ NO_2 ☐ PO_4	☐ Perchlorate by EPA 314.0	COD ☐ EPA 410.4 ☐ SM5220D ☐ Turbidity
B-1-2	1/25	1051	S		X			X	X			X	X								
B-2-2	1/25	1038	S		X			X	X			X	X								
B-3-2	1/25	1015	S		X			X	X			X	X								
B-4-2	1/25	0959	S		X			X	X			X	X								
B-5-2	1/25	0940	S		X			X	X			X	X								

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320-69284 Chain of Custody

Project Info.

Project Name/ #: Santa Rosa Fire Station 5
PO#: 4038910003
Credit Card Y/N: If yes, please call with payment information ASAP

Sample Receipt

of Containers: 5
Head Space:
Temp: 5.1

TAT	10 Day	5 Day	4 Day	3 Day	2 Day	1 Day	Other:
							STD

Report: ☐ Routine ☐ Level 3 ☐ Level 4 ☐ EDD ☐ EDF
Special Instructions / Comments: ☐ Global ID _____

See Terms and Conditions on reverse

1) Relinquished by:	2) Relinquished by:	
Signature: Jorge Contreras Time: 1525	Signature: Time:	Signature: Time:
Printed Name: Jorge Contreras Date: 1/25/21	Printed Name: Date:	Printed Name: Date:
Company: Ninyo & Moore	Company:	Company:

1) Received by:	2) Received by:	3) Received by:
Signature: Time: 1525	Signature: Time:	Signature: Time:
Printed Name: Date: 1/25/21	Printed Name: Date:	Printed Name: Date:
Company: EDA SV	Company:	Company:

2/9/2021

Rev.10/201

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Phone: 916-373-5600 Fax: 916-372-1059

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Salimpour, Afsaneh F	Carrier Tracking No(s):	COC No: 320-209315.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Afsaneh.Salimpour@Eurofinset.com	State of Origin: California	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State - California		Job #: 320-69284-1
Address: 880 Riverside Parkway, ,	Due Date Requested: 2/4/2021			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #:			
Email:	WO #:			
Project Name: Santa Rosa Fire Station 5	Project #: 32017000			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B/5035A_FW_7_Calc (MOD) VOCs, Standard List	8015B_DRO/3550B DRO/MRO	6010B/3050B CAM 17	7471A/7471A_Prep Mercury Only	8081A/3546 Pesticides, Standard List	8082/3546 PCBs, Standard List	8270C/3550B SVOCs, Standard List	8260B/CA_LUFTMS/5035A_FW_7_Calc GRO C4-C12	Total Number of containers	Special Instructions/Note:
			Preservation Code:													
B-1-2 (320-69284-1)	1/25/21	10:51 Pacific		Solid			X	X	X	X	X	X	X	X		
B-2-2 (320-69284-2)	1/25/21	10:38 Pacific		Solid			X	X	X	X	X	X	X	X		
B-3-2 (320-69284-3)	1/25/21	10:15 Pacific		Solid			X	X	X	X	X	X	X	X	5	
B-4-2 (320-69284-4)	1/25/21	09:59 Pacific		Solid			X	X	X	X	X	X	X	X	5	
B-5-2 (320-69284-5)	1/25/21	09:40 Pacific		Solid			X	X	X	X	X	X	X	X	5	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification: Unconfirmed	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1		1-26-21 16:00	SJ		1-26-21 16:00	DCS
2		1-26-21 18:40	DCS		1-26-21 1840	ETAS
3						

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 0-9

Ver: 11/01/2020

Login Sample Receipt Checklist

Client: Ninyo & Moore

Job Number: 320-69284-1

Login Number: 69284
List Number: 1
Creator: Mullen, Joan

List Source: Eurofins TestAmerica, Sacramento

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Ninyo & Moore

Job Number: 320-69284-1

Login Number: 69284
List Number: 2
Creator: Guzman, Juan

List Source: Eurofins TestAmerica, Sacramento

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.9
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Tel: (916)373-5600

Laboratory Job ID: 320-69284-2
Client Project/Site: Santa Rosa Fire Station 5

For:
Ninyo & Moore
2020 Challenger Drive
Suite 103
Alameda, California 94501

Attn: Bryan Fong

Authorized for release by:
2/25/2021 10:39:53 AM

Afsaneh Salimpour, Senior Project Manager
(925)484-1919
Afsaneh.Salimpour@Eurofinset.com

Table of Contents

Definitions/Glossary

Client: Ninyo & Moore
Job ID: 320-69284-2
Project/Site: Santa Rosa Fire Station 5

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Ninyo & Moore
Project/Site: Santa Rosa Fire Station 5

Job ID: 320-69284-2

Job ID: 320-69284-2

Laboratory: Eurofins TestAmerica, Sacramento

Narrative

Job Narrative
320-69284-2

Comments
No additional comments.

Receipt
The samples were received on 1/25/2021 3:25 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 5.1° C.

Metals
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Ninyo & Moore
Project/Site: Santa Rosa Fire Station 5

Job ID: 320-69284-2

Client Sample ID: B-1-2 — Lab Sample ID: 320-69284-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	0.17		0.10		mg/L	10		6010B	STLC Citrate

Client Sample ID: B-2-2 — Lab Sample ID: 320-69284-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	0.11		0.10		mg/L	10		6010B	STLC Citrate

Client Sample ID: B-4-2 — Lab Sample ID: 320-69284-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	0.12		0.10		mg/L	10		6010B	STLC Citrate

Client Sample ID: B-5-2 — Lab Sample ID: 320-69284-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	0.15		0.10		mg/L	10		6010B	STLC Citrate

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: Ninyo & Moore
Project/Site: Santa Rosa Fire Station 5

Job ID: 320-69284-2

Client Sample ID: B-1-2

Date Collected: 01/25/21 10:51
Date Received: 01/25/21 15:25

Lab Sample ID: 320-69284-1

Matrix: Solid

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND		0.10		mg/L		02/18/21 12:58	02/22/21 17:42	1

Method: 6010B - Metals (ICP) - STLC Citrate

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	**0.17**		0.10		mg/L			02/22/21 10:51	10

Client Sample Results

Client: Ninyo & Moore
Project/Site: Santa Rosa Fire Station 5

Job ID: 320-69284-2

Client Sample ID: B-2-2
Date Collected: 01/25/21 10:38
Date Received: 01/25/21 15:25

Lab Sample ID: 320-69284-2
Matrix: Solid

Method: 6010B - Metals (ICP) - STLC Citrate

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	0.11		0.10		mg/L			02/22/21 10:55	10

Client Sample Results

Client: Ninyo & Moore
Project/Site: Santa Rosa Fire Station 5

Job ID: 320-69284-2

Client Sample ID: B-4-2
Date Collected: 01/25/21 09:59
Date Received: 01/25/21 15:25

Lab Sample ID: 320-69284-4
Matrix: Solid

Method: 6010B - Metals (ICP) - STLC Citrate

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	0.12		0.10		mg/L			02/22/21 10:59	10

Client Sample Results

Client: Ninyo & Moore
Project/Site: Santa Rosa Fire Station 5

Job ID: 320-69284-2

Client Sample ID: B-5-2
Date Collected: 01/25/21 09:40
Date Received: 01/25/21 15:25

Lab Sample ID: 320-69284-5
Matrix: Solid

Method: 6010B - Metals (ICP) - STLC Citrate

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	0.15		0.10		mg/L			02/22/21 11:03	10

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 320-463231/1-A
Matrix: Solid
Analysis Batch: 464185

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 463231

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND		0.020		mg/L		02/18/21 12:58	02/22/21 15:25	1

Lab Sample ID: LCS 320-463231/2-A
Matrix: Solid
Analysis Batch: 464185

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 463231

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium	0.250	0.251		mg/L		100	84 - 114

Lab Sample ID: LB 320-462286/1-B
Matrix: Solid
Analysis Batch: 464185

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 463231

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND		0.10		mg/L		02/18/21 12:58	02/22/21 15:33	1

Lab Sample ID: 320-69284-1 MS
Matrix: Solid
Analysis Batch: 464185

Client Sample ID: B-1-2
Prep Type: TCLP
Prep Batch: 463231

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium	ND		1.25	1.23		mg/L		99	84 - 114

Lab Sample ID: 320-69284-1 MSD
Matrix: Solid
Analysis Batch: 464185

Client Sample ID: B-1-2
Prep Type: TCLP
Prep Batch: 463231

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chromium	ND		1.25	1.24		mg/L		99	84 - 114	1	20

Lab Sample ID: LB4 320-462692/1-A ^10
Matrix: Solid
Analysis Batch: 464049

Client Sample ID: Method Blank
Prep Type: STLC Citrate

Analyte	LB4 Result	LB4 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND		0.10		mg/L			02/22/21 09:28	10

Lab Sample ID: LCS 320-462692/2-A ^10
Matrix: Solid
Analysis Batch: 464049

Client Sample ID: Lab Control Sample
Prep Type: STLC Citrate

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium	1.00	1.07		mg/L		107	75 - 125

Lab Sample ID: LCSD 320-462692/3-A
Matrix: Solid
Analysis Batch: 464049

Client Sample ID: Lab Control Sample Dup
Prep Type: STLC Citrate

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chromium	1.00	1.08		mg/L		108	75 - 125	1	20

QC Association Summary

Client: Ninyo & Moore
Project/Site: Santa Rosa Fire Station 5

Job ID: 320-69284-2

Metals

Leach Batch: 462286

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-69284-1	B-1-2	TCLP	Solid	1311	
LB 320-462286/1-B	Method Blank	TCLP	Solid	1311	
320-69284-1 MS	B-1-2	TCLP	Solid	1311	
320-69284-1 MSD	B-1-2	TCLP	Solid	1311	

Leach Batch: 462692

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-69284-1	B-1-2	STLC Citrate	Solid	CA WET Citrate	
320-69284-2	B-2-2	STLC Citrate	Solid	CA WET Citrate	
320-69284-4	B-4-2	STLC Citrate	Solid	CA WET Citrate	
320-69284-5	B-5-2	STLC Citrate	Solid	CA WET Citrate	
LB4 320-462692/1-A ^10	Method Blank	STLC Citrate	Solid	CA WET Citrate	
LCS 320-462692/2-A ^10	Lab Control Sample	STLC Citrate	Solid	CA WET Citrate	
LCSD 320-462692/3-A	Lab Control Sample Dup	STLC Citrate	Solid	CA WET Citrate	

Prep Batch: 463231

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-69284-1	B-1-2	TCLP	Solid	3010A	462286
LB 320-462286/1-B	Method Blank	TCLP	Solid	3010A	462286
MB 320-463231/1-A	Method Blank	Total/NA	Solid	3010A	
LCS 320-463231/2-A	Lab Control Sample	Total/NA	Solid	3010A	
320-69284-1 MS	B-1-2	TCLP	Solid	3010A	462286
320-69284-1 MSD	B-1-2	TCLP	Solid	3010A	462286

Analysis Batch: 464049

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-69284-1	B-1-2	STLC Citrate	Solid	6010B	462692
320-69284-2	B-2-2	STLC Citrate	Solid	6010B	462692
320-69284-4	B-4-2	STLC Citrate	Solid	6010B	462692
320-69284-5	B-5-2	STLC Citrate	Solid	6010B	462692
LB4 320-462692/1-A ^10	Method Blank	STLC Citrate	Solid	6010B	462692
LCS 320-462692/2-A ^10	Lab Control Sample	STLC Citrate	Solid	6010B	462692
LCSD 320-462692/3-A	Lab Control Sample Dup	STLC Citrate	Solid	6010B	462692

Analysis Batch: 464185

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-69284-1	B-1-2	TCLP	Solid	6010B	463231
LB 320-462286/1-B	Method Blank	TCLP	Solid	6010B	463231
MB 320-463231/1-A	Method Blank	Total/NA	Solid	6010B	463231
LCS 320-463231/2-A	Lab Control Sample	Total/NA	Solid	6010B	463231
320-69284-1 MS	B-1-2	TCLP	Solid	6010B	463231
320-69284-1 MSD	B-1-2	TCLP	Solid	6010B	463231

Lab Chronicle

Client: Ninyo & Moore
Job ID: 320-69284-2
Project/Site: Santa Rosa Fire Station 5

Client Sample ID: B-1-2
Lab Sample ID: 320-69284-1
Date Collected: 01/25/21 10:51
Matrix: Solid
Date Received: 01/25/21 15:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
STLC Citrate	Leach	CA WET Citrate			50.33 g	500 mL	462692	02/17/21 14:18	CF	TAL SAC
STLC Citrate	Analysis	6010B		10			464049	02/22/21 10:51	SP	TAL SAC
TCLP	Leach	1311			100.12 g	2000 mL	462286	02/17/21 15:10	CF	TAL SAC
TCLP	Prep	3010A			10 mL	50 mL	463231	02/18/21 12:58	JP	TAL SAC
TCLP	Analysis	6010B		1			464185	02/22/21 17:42	SP	TAL SAC

Client Sample ID: B-2-2
Lab Sample ID: 320-69284-2
Date Collected: 01/25/21 10:38
Matrix: Solid
Date Received: 01/25/21 15:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
STLC Citrate	Leach	CA WET Citrate			50.40 g	500 mL	462692	02/17/21 14:18	CF	TAL SAC
STLC Citrate	Analysis	6010B		10			464049	02/22/21 10:55	SP	TAL SAC

Client Sample ID: B-4-2
Lab Sample ID: 320-69284-4
Date Collected: 01/25/21 09:59
Matrix: Solid
Date Received: 01/25/21 15:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
STLC Citrate	Leach	CA WET Citrate			50.42 g	500 mL	462692	02/17/21 14:18	CF	TAL SAC
STLC Citrate	Analysis	6010B		10			464049	02/22/21 10:59	SP	TAL SAC

Client Sample ID: B-5-2
Lab Sample ID: 320-69284-5
Date Collected: 01/25/21 09:40
Matrix: Solid
Date Received: 01/25/21 15:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
STLC Citrate	Leach	CA WET Citrate			50.48 g	500 mL	462692	02/17/21 14:18	CF	TAL SAC
STLC Citrate	Analysis	6010B		10			464049	02/22/21 11:03	SP	TAL SAC

Laboratory References:

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Accreditation/Certification Summary

Client: Ninyo & Moore
Job ID: 320-69284-2
Project/Site: Santa Rosa Fire Station 5

Laboratory: Eurofins TestAmerica, Sacramento

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
California	State	2897	02-01-23

Method Summary

Client: Ninyo & Moore
Project/Site: Santa Rosa Fire Station 5

Job ID: 320-69284-2

Method	Method Description	Protocol	Laboratory
6010B	Metals (ICP)	SW846	TAL SAC
1311	TCLP Extraction	SW846	TAL SAC
3010A	Preparation, Total Metals	SW846	TAL SAC
CA WET Citrate	California - Waste Extraction Test with Citrate Leach	CA-WET	TAL SAC

Protocol References:

CA-WET = California Waste Extraction Test, from Title 22

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Sample Summary

Client: Ninyo & Moore
Project/Site: Santa Rosa Fire Station 5

Job ID: 320-69284-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
320-69284-1	B-1-2	Solid	01/25/21 10:51	01/25/21 15:25	
320-69284-2	B-2-2	Solid	01/25/21 10:38	01/25/21 15:25	
320-69284-4	B-4-2	Solid	01/25/21 09:59	01/25/21 15:25	
320-69284-5	B-5-2	Solid	01/25/21 09:40	01/25/21 15:25	

Salimpour, Afsaneh

From: Bryan Fong <bfong@ninyoandmoore.com>
Sent: Wednesday, February 10, 2021 5:13 PM
To: Salimpour, Afsaneh
Subject: RE: Eurofins TestAmerica report and EDD files from 320-69284-1 Santa Rosa Fire Station 5

EXTERNAL EMAIL*

Hi Afsaneh,

I'd like to request the following STLC and TCLP analyses please for report J69284-1.

STLC:
B-1-2
B-2-2
B-4-2
B-5-2

TCLP:
B-1-2

Thank you,

Bryan Fong
Senior Project Geologist
Ninyo & Moore | Geotechnical & Environmental Sciences Consultants
2020 Challenger Drive, Suite 103 | Alameda, CA 94501
510.343.3000 (**x15208**) | 510.691.7695 (Cell)
35 Years of Quality Service | ninyoandmoore.com

From: Afsaneh Salimpour [mailto:Afsaneh.Salimpour@Eurofinset.com]
Sent: Tuesday, February 9, 2021 4:31 PM
To: Bryan Fong <bfong@ninyoandmoore.com>
Subject: Eurofins TestAmerica report and EDD files from 320-69284-1 Santa Rosa Fire Station 5

Hello,

Attached please find the report and EDD files for job 320-69284-1; Santa Rosa Fire Station 5

Please feel free to contact me if you have any questions.

Thank you.

Afsaneh F Salimpour
Project Manager

Eurofins TestAmerica, Sacramento
Phone: 925-484-1919

E-mail: Afsaneh.Salimpour@Eurofinset.com
www.eurofinsus.com/env

Reference: [320-318489]
Attachments: 2

> > Bank information has changed, please refer to remittance information on invoice. < <

Login Sample Receipt Checklist

Client: Ninyo & Moore

Job Number: 320-69284-2

Login Number: 69284
List Number: 1
Creator: Mullen, Joan

List Source: Eurofins TestAmerica, Sacramento

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Ninyo & Moore

Job Number: 320-69284-2

Login Number: 69284
List Number: 2
Creator: Guzman, Juan

List Source: Eurofins TestAmerica, Sacramento

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.9
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

2020 Challenger Drive, Suite 103 | Alameda, California 94501 | p. 510.343.3000

ARIZONA | CALIFORNIA | COLORADO | NEVADA | TEXAS | UTAH

ninyoandmoore.com

Ninyo & Moore
Geotechnical & Environmental Sciences Consultants