Appendix D

Geotechnical Investigation Report

CLEARY CONSULTANTS, INC.
Geotechnical Engineers and Geologists
560 DIVISION STREET, CAMPBELL, CALIFORNIA 95008 (650) 948-0574

TRANSMITTAL

Date Sent:	November 23, 2022
To:	Monterey Peninsula Unified School District c/o RGM Kramer Inc.
Attn:	Mr. Ryan Altemeyer, Associate Superintendent of Business Services Mr. Rick Mickey, Senior Project Manager
From:	Grant Foster, G.E. 2662
Number of Pages Transmitted:	14
Project No.	1414.5/Ser. 7231
Re:	Preliminary Geotechnical Recommendations Multi-Use Sports Field Improvements Project Marina High School 298 Patton Parkway Marina, California

Message:

Our subsurface investigation for the planned Multi-Use Sports Field Improvements project at Marina High School in Marina, California consisted of 19 exploratory borings performed on September 20 through 22 and October 6, 2022. The results of percolation testing performed during our investigation were summarized on our October 20, 2022 letter. The following summary of our subsurface investigation findings provides preliminary geotechnical recommendations. Our firm has not been provided grading plans to review; therefore, the following preliminary recommendations are subject to change pending our review of the grading plans at the site.

Subsurface Conditions:

The exploratory borings generally encountered interbedded medium dense to very dense sand and silty sand layers to the maximum depth explored, 45 feet. Loose sand and silty sand layers were encountered in the upper two feet of Exploratory Boring 5 (EB-5), EB-10, and EB-11, and from approximately 17 to 22 feet below the ground surface in EB-18. Fill soil consisting of medium dense silty sand was encountered in the upper one and one-half (1½) feet of EB-8.

The near-surface soils encountered in the borings are considered to have a low expansion potential based on their plasticity characteristics (plasticity index of non-plastic) and the free swell test data (free swells of zero to 30 percent).

Groundwater:

Free groundwater was not encountered in the exploratory borings within the maximum depth explored, 45 feet below the ground surface. It should be noted that the borings were only open for a period of a few hours and this may not have been sufficiently long to establish the stabilized water table conditions. It should also be noted that fluctuations of localized perched groundwater and the regional groundwater level can occur due to such factors as variations in rainfall, temperature, runoff, pumping, groundwater recharge, and other factors not evident at the time our measurements were made and reported herein.

The State of California had not as of the date of this report prepared a seismic hazard zone report for the Marina Quadrangle and information typically provided in such a report on the historically high ground water table was therefore not available.

The California State Water Resources Control Board GeoTracker website, which performs a search for groundwater well records based on the site address and search radius input, did not provide relevant groundwater data in the vicinity of the project site.

Fault Offset Hazard:

Based on the preliminary findings of this investigation, including review of various relevant published geologic maps, we conclude that there are no known active or potentially active faults crossing or projecting towards the project site. The project site is not within a fault rupture hazard zone as mapped by the California Division of Mines and Geology (1974).

Liquefaction and Soil Densification:

The Monterey County Geologic Hazards Map indicates that the site is within an area of low liquefaction susceptibility. Our liquefaction hazard analysis will be forthcoming in our geotechnical and geologic hazard report.

Landsliding:

The Monterey County Geologic Hazards Map indicates that the site is within an area of low landslide susceptibility.

Flooding:

F.E.M.A. Flood Insurance Mapping (June 2017) indicates the site is within Flood Hazard Zone X, described as an area of "Minimal Flood Hazard."

Dam failure inundation mapping prepared by the Monterey County Water Resources Agency indicates that the project site is not located within the dam failure inundation zones for the reservoirs within Monterey and San Luis Obispo Counties, including San Antonio Dam (2017) and Nacimiento Dam (2018).

The site is outside of the runup zone resulting from a seismically generated tsunami (State of California Tsunami Inundation Map, 2021). The site is also not within the vicinity of any lakes or reservoirs, therefore there is not a hazard at the site from seiches.

Summary:

Based on the preliminary findings of our investigation, we judge that there are no geologic hazards or constraints which would preclude the construction of the planned Multi-Use Sports Field Improvements project at Marina High School. From a soil and foundation engineering standpoint, we also conclude that the improvements can be constructed as planned provided the recommendations of our final geotechnical and geologic hazard investigation report are incorporated into the design and construction of the project.

A cushion of Class 2 aggregate baserock should be provided under exterior concrete flatwork and asphalt pavements to provide suitable support and mitigate expansive soil movements.

Dugout, Trash Enclosure, Bleacher, and Modular Concession/Restroom Building Spread Footing Foundations:

The new dugouts, trash enclosures, bleachers, and modular concession/restroom building can be supported on conventional continuous and isolated spread footings bearing in undisturbed native soil

or properly compacted engineered fill. Any undocumented fill or loose soil encountered at the bottom of footing excavations should be removed and replaced as engineered fill compacted to at least 90 percent relative compaction as determined by field density testing. Footings should bear at least 24 inches below lowest adjacent finished grade and be embedded at least 18 inches into supporting soil. Any footings located adjacent to utility trenches should have their bearing surfaces below an imaginary 1.5:1 (horizontal to vertical) plane projected upward from the edge of the bottom of the trench. Care should be taken to keep the footings moist by spraying lightly prior to the concrete pour.

At the above depths, footings can be designed for an allowable bearing pressure of 2000 psf due to dead loads with a one-third increase for dead plus live loads (2667 psf) and a 50 percent increase for total design loads (3000 psf) including wind and seismic. All continuous footings should be provided with adequate top and bottom reinforcement (as specified by the structural engineer) to provide structural continuity and to permit spanning of local irregularities. The steel reinforcement requirements should be determined by the structural engineer.

Lateral loads can be resisted by friction between the foundation bottoms and the supporting subgrade. A friction coefficient of 0.30 is considered applicable. As an alternative, an equivalent fluid pressure of 300 pcf starting one-half foot below the ground surface can be taken against the sides of footings poured neat.

Soil conditions in the foundation excavations should be checked by our representative prior to placing reinforcing steel or concrete.

Post-construction settlements of the spread footing foundation under proposed loads are expected to be within tolerable limits.

Fabric Shade "Sail" Spread Footing Foundations:

The planned fabric shade "sails" can be supported on conventional isolated spread footings bearing in undisturbed native soils or properly compacted engineered fill. Loose soil, if encountered in the footing bottoms, should be removed and replaced as engineered fill compacted to at least 90 percent relative compaction as determined by field density testing.

The isolated spread footings should be founded at least 18 inches below lowest adjacent finished grade, and have minimum dimensions of 24 inches square or greater as determined by the project structural engineer. Footings located adjacent to utility trenches should have their bearing surfaces below an imaginary 1.5:1 (horizontal to vertical) plane projected upward from the edge of the bottom of the trench.

At the above depths, footings can be designed for an allowable bearing pressure of 1500 psf for dead loads plus live loads and 2250 psf for total design loads including wind and seismic.

Lateral loads can be resisted by friction between the foundation bottoms and the supporting subgrade. A friction coefficient of 0.30 is considered applicable. As an alternative, an equivalent fluid pressure of 300 pcf starting one-half foot below the ground surface can be taken against the sides of footings poured neat.

Post-construction settlements of the spread footing foundations under proposed loads are expected to be within tolerable limits.

Musco Light Pole, Scoreboard, Backstop, Foul Pole, Netting Pole, Goal Post and Fence Post Drilled Pier Foundations:

The new Musco sports light poles, planned to be 70 to 100 feet tall, scoreboards, backstops, foul poles, netting poles, goal posts and fence posts at the project site can be supported on cast-in-place, straight shaft friction piers.

The planned Musco sports light pole piers, should extend through any existing fill and loose soil to a depth of at least 30 feet below the ground surface, obtaining support in the underlying medium dense to very dense sand and silty sand, and have a minimum diameter of 36 inches. Scoreboard, backstop, foul pole, netting pole and goal post piers should extend to a depth of at least 15 feet below the ground surface and have a minimum diameter of 24 inches. Fence post piers should extend to a depth of at least six feet below the ground surface and have a minimum diameter of 12 inches. The actual pier diameters and depths for vertical and lateral support requirements should be determined by the project structural engineer.

The portion of the drilled piers within native soils can be designed on the basis of 300 psf skin friction for vertical loads with a 50 percent increase for wind and seismic conditions. Point bearing resistance should be neglected. For resistance to lateral loads, a uniform passive equivalent fluid pressure of 300 pcf up to 3000 psf maximum can be assumed to act over 1.5 times the projected area of the individual pier shaft. The skin friction and passive pressure can be assumed to start two feet below the ground surface. An allowable negative skin friction value of 225 psf within native soil can be used on the pier sidewall to resist uplift forces.

Groundwater was not encountered in the borings during our investigation; however, pockets of loose sandy soils, if encountered, may be susceptible to sloughing. Therefore, it is recommended that reinforcing steel and concrete be placed as soon as practical after drilling to minimize fall-in of the

sidewall soils and possible caving. Any loose soil or accumulated water in the pier holes should be removed prior to concrete placement. Casing of the piers may be required where zones of loose soil are encountered during drilling.

The bottom of the pier excavations should be free of loose soil or fall-in prior to installing reinforcing steel and placing concrete. Heavy-duty drilling equipment in good working condition should be used to drill the pier holes. This work should be performed under the observation of our representative.

Reinforcement of the piers should be provided for their full length as determined by the structural engineer's analysis.

Settlements under the anticipated loads are expected to be within tolerable limits for the proposed construction.

Retaining Walls:

We understand that retaining walls up to four feet in height are planned as part of this project. Retaining walls four feet or less in height can be supported on conventional spread footing foundations bearing in native undisturbed soil or properly compacted engineered fill. The footings can be designed for an allowable bearing pressure of 1000 psf due to dead loads, with a 50 percent increase for total design loads, including wind and seismic. Lateral loads may be resisted by friction between the foundation bottoms and the supporting subgrade. A friction coefficient of 0.30 is considered applicable. As an alternative, a passive resistance equal to an equivalent fluid weighing 300 pounds per cubic foot may be used against the sides of footings poured neat. Spread footings should be founded at least 24 inches below lowest adjacent finished grade and have a minimum width of 18 inches. Footings located adjacent to utility trenches should have their bearing surfaces below an imaginary 2:1 (horizontal to vertical) plane projected upward from the edge of the bottom of the trench. Footings located adjacent to any cut/fill slope face should bear at a level which provides at least five feet of horizontal confinement. Any undocumented fill or loose soil encountered at the bottom of footing excavations should be removed and replaced as engineered fill compacted to at least 90 percent relative compaction as determined by field density testing. The actual required extent of overexcavation and replacement of unsuitable fill materials in new retaining wall footing areas should be determined in the field by our representative.

All continuous footings should be provided with top and bottom reinforcement as specified by the structural engineer to provide structural continuity and to permit spanning of local irregularities. Soil conditions in the foundation excavations should be inspected by our representative prior to placing reinforcing steel and concrete.

Permanent retaining walls required for the project must be designed to resist lateral earth pressures and any additional lateral loads caused by surcharge loading.

We recommend that unrestrained walls with level or gently sloping backfill conditions be designed to resist an equivalent fluid pressure of 55 pcf and that restrained walls be designed to resist an equivalent fluid pressure of 55 pcf plus an additional uniform lateral pressure of eight H psf where H = height of backfill above wall foundation in feet. Wherever walls will be subjected to surcharge loads, they should be designed for an additional lateral pressure equal to one-third or one-half the anticipated surcharge load depending on whether the wall is unrestrained or restrained, respectively. A seismic component of lateral earth pressure of 10 H^2 pounds per lineal foot of wall acting 0.6 H up from the bottom of the wall can be used for retaining wall design.

The preceding pressures assume that sufficient drainage is provided behind the retaining walls to prevent the build-up of hydrostatic pressures from surface or subsurface water infiltration. Adequate drainage may be provided by means of clean, 3/4 inch drain rock material enclosed in a filter fabric, such as Mirafi 140, and a four-inch diameter perforated pipe (Schedule 40 or stronger) placed at the base of the wall. The perforated pipe should be tied into a closed pipe and carried to a suitable drainage system.

Backfill material placed behind retaining walls should be non-expansive and compacted to at least 90 percent relative compaction using lightweight compaction equipment. If heavy compaction equipment is used, the walls should be appropriately braced during the backfilling. A concrete lined v-ditch, which carries water runoff to a suitable discharge location, should be installed to control drainage behind the top of the new retaining walls.

Seismic Design Parameters:

The ASCE 7 Hazard Tool online application was used to determine ASCE 7-16 seismic design values. The application analyzed the project site using the site latitude and longitude (36.6758° N, 121.8030° W) and the site classification, which was determined using subsurface information obtained from the exploratory borings.

A site-specific ground motion hazard analysis is also required per ASCE 7-16 (Chapter 11.4.8) for the project site (S_1>0.2). The site-specific design parameters should be used for structural design; our site-specific ground motion hazard analysis is forthcoming and will be presented in our geotechnical and geologic hazard investigation report.

Based on the results of our investigation, CBC 2019 (Section 1613A), ASCE 7-16 (Chapter 11), and the ASCE 7 online application, the following seismic design parameters can be used in lateral force analyses at this site:

Site Class D - Stiff Soil Profile (SPT Values of 15 to 50 Blows/Foot)

ASCE 7-16 Values (OSHPD U.S. Seismic Design Maps):

Site Coefficient F_a = 1.0
Site Coefficient F_v = Null [1]
Mapped Spectral Acceleration Values; S_S = 1.434, S_1 = 0.519
Spectral Response Accelerations; SM_S = 1.434, SM_1 = Null [1]
Design Spectral Response Accelerations; SD_S = 0.956, SD_1 = Null [1]

[1] Values to be presented in forthcoming Site-Specific Ground Motion Hazard Analysis.

Multi-Use Synthetic Turf Athletic Field:

In order to provide uniform homogeneous athletic field support conditions, the upper 18 inches of soils underlying the new synthetic turf field footprint should be chemically treated with five (5) percent by dry weight of 50 percent Portland cement to a depth of 18 inches below the finished subgrade.

The performance of the chemically stabilized soil is highly dependent upon uniform mixing of the chemical additive into the soil and proper curing of the chemically treated soil mixture. Hence, this work should be performed by a specialty subcontractor using appropriately sized spreading and mixing equipment which will result in a uniform mixture throughout the recommend section to be treated.

It is anticipated that up to 18 inches of soil can be chemically treated in-place using heavy-duty compaction equipment, such as a Rex 3-70 or similar compactor. A maximum 12-inch lift thickness is recommended where materials are removed and replaced as chemically-treated soil.

After satisfactory soil mixing has been achieved and the moisture content has been brought to optimum moisture for compaction, the recommended section of chemically treated soil should be recompacted to at least 95 percent relative compaction. Compaction should be performed using heavy compaction equipment such as a sheepsfoot roller or segmented wheeled compactor. Field density tests should be performed in the chemically treated soil during the mixing and compaction process as a means of evaluating the contractor's compaction effort and compliance with the recommended minimum relative compaction.

The surface of the chemically treated subgrade should be kept moist for a minimum of four days after treatment and compaction is performed. Heavy vehicular loading should not be allowed on the treated subgrade surface during the four-day curing period.

We recommend the new synthetic turf be underlain by a minimum six-inch thick section of Class 2 aggregate baserock compacted to at least 95 percent relative compaction, or Class 2 permeable baserock designed to meet the minimum compaction, gradation, permeability and stability requirements of the synthetic turf manufacturer. The section should be placed in thin lifts in a manner to prevent segregation and should be densified with a smooth drum vibratory roller, making at least two passes over the rock surface in both directions. To improve stability and reduce infiltration of subgrade fines, the section should be underlain by a woven geotextile stabilization fabric, such as Mirafi 600x or equivalent.

Class 2 aggregate baserock placed over the chemically-stabilized subgrade should have an R-Value of at least 78 and conform to the requirements of Section 26-1.02A of the State of California, CALTRANS Standard Specifications, latest edition.

Positive surface gradients of at least two percent should be maintained on the finished playfield subgrade; the subgrade or baserock should be crowned at the center and drained toward both sides of the field in accordance with the designers' recommendations. In addition, the perimeter of the playfield should be drained by means of a minimum six-inch diameter perforated pipe (SDR-35) placed adjacent to the perimeter edging below the drainrock section. The perforated pipe should be tied into a closed pipe and carried to a suitable discharge facility. Additional "herring bone" drain laterals may be required by the designer.

Slabs-on-Grade:

Slab-on-grade construction will be used for new exterior flatwork. Just prior to final slab preparation, the slab subgrade should be checked to determine that the upper 12 inches of native soils are at approximately two percent above the optimum moisture content or above and proof-rolled to provide firm, uniform support.

Exterior concrete flatwork, sidewalks and curb and gutters should be underlain by at least six inches of Class 2 aggregate baserock placed on the prepared subgrade. Areas of vehicular slabs-on-grade, such as driveway approaches, should be underlain by at least 12 inches of Class 2 aggregate baserock placed on the prepared subgrade, or six inches of Class 2 aggregate baserock placed on 18 inches of properly compacted chemically-treated subgrade.

Reinforcement of slabs should be provided in accordance with their anticipated use and loading, but as a minimum, slabs should be reinforced with No. 3 bars at 18 inches on center, both ways, or No. 4 bars at 24 inches on center, both ways. Concrete slabs should be articulated with a maximum joint spacing of ten feet in both directions.

The baserock and upper 12 inches of underlying subgrade should be compacted to at least 90 percent relative compaction, or 95 percent in areas of vehicular traffic.

Prior to final construction of slabs, the baserock and subgrade surface should be proof rolled to provide a smooth, firm non-yielding surface. The moisture content of the compacted baserock and subgrade should be maintained at, or slightly above, optimum moisture prior to placing non-expansive fill materials.

Flexible Pavements:

The near-surface soils at the site were determined to have an untreated R-Value of 68 and a chemically treated R-Value of 81 based on the laboratory test results. The required thickness of the pavement section can be reduced by chemically treating the subgrade (minimum 18 inches deep) with five percent by dry weight Portland cement in new AC pavement areas. Chemical treatment will also mitigate pumping subgrade conditions, particularly if construction occurs during the wet season. Utilizing the above R-Values and Traffic Indices of 4.5 and 6.0 for automobile parking and fire truck lanes/driveways, respectively, and Procedure 301-F of the California Department of Transportation, we have developed the following alternative minimum flexible pavement sections for use on this project:

Recommended Alternative Flexible Pavement Sections

Traffic Condition	Asphaltic Concrete (inches)	Class 2 Aggregate Base (inches)	Chemical Subgrade Treatment (inches)	Total Thickness (inches)
Auto Parking (T.I. = 4.5)				
Untreated	**2.5**	**6.0**	**- -**	**8.5**
Chemically Treated	**2.5**	**4.0**	**18.0**	**24.5**
Fire Lanes, Driveways (T.I. = 6.0)				
Untreated	**4.0**	**6.0**	**- -**	**10.0**
Chemically Treated	**4.0**	**4.0**	**18.0**	**26.0**

New hardscape areas (anticipating only pedestrian traffic) required for the project should consist of two inches AC over six inches Class 2 aggregate baserock.

The upper 12 inches of new pavement area subgrade should be compacted to at least 95 percent relative compaction. Any fill required below the upper six inches of subgrade should be compacted to at least 90 percent.

The subgrade should be statically rolled with a heavy, smooth drum roller to provide a smooth firm surface. Any unstable or pumping subgrade areas should be chemically treated as described above, or subexcavated, plugged with baserock and overlain with a stabilizing fabric such as Mirafi 600X. Fabric installation should be performed in accordance with the manufacturer's recommendations. The method and extent of any required stabilization work should be evaluated by our representative.

Class 2 aggregate base should have an R-Value of at least 78 and conform to the requirements of Section 26, State of California "CALTRANS" Standard Specifications, latest edition. The aggregate base material should be placed in thin lifts in a manner to prevent segregation, and should be uniformly moisture conditioned and compacted to at least 95 percent relative compaction to provide a smooth, unyielding surface.

The asphaltic concrete should conform to and be placed in accordance with the requirements of Section 39 in the State of California CALTRANS Standard Specifications, latest edition.

Soil Corrosivity:

Laboratory resistivity, pH, chloride and sulfate testing was performed on a composite soil sample obtained from the upper three feet of the exploratory borings during our geotechnical investigation for this project. The testing was performed by Cooper Testing Laboratory for the purpose of evaluating the soils' corrosion potential for use in the design of underground utilities and embedded concrete on this project.

In summary, the test results indicated a minimum resistivity of 13,130 Ohm-Cm, a pH of 7.0, a chloride content of 29 ppm, and water soluble sulfate content of 47 ppm. Soils with chloride contents of less than 500 ppm and sulfate contents of less than 1500 ppm are considered to be of "low" corrosivity. However, based on the resistivity testing the soils are considered "progressively less corrosive."

The table below shows the general correlation between resistivity and corrosion potential.

Correlation Between Resistivity and Corrosion Potential (c)

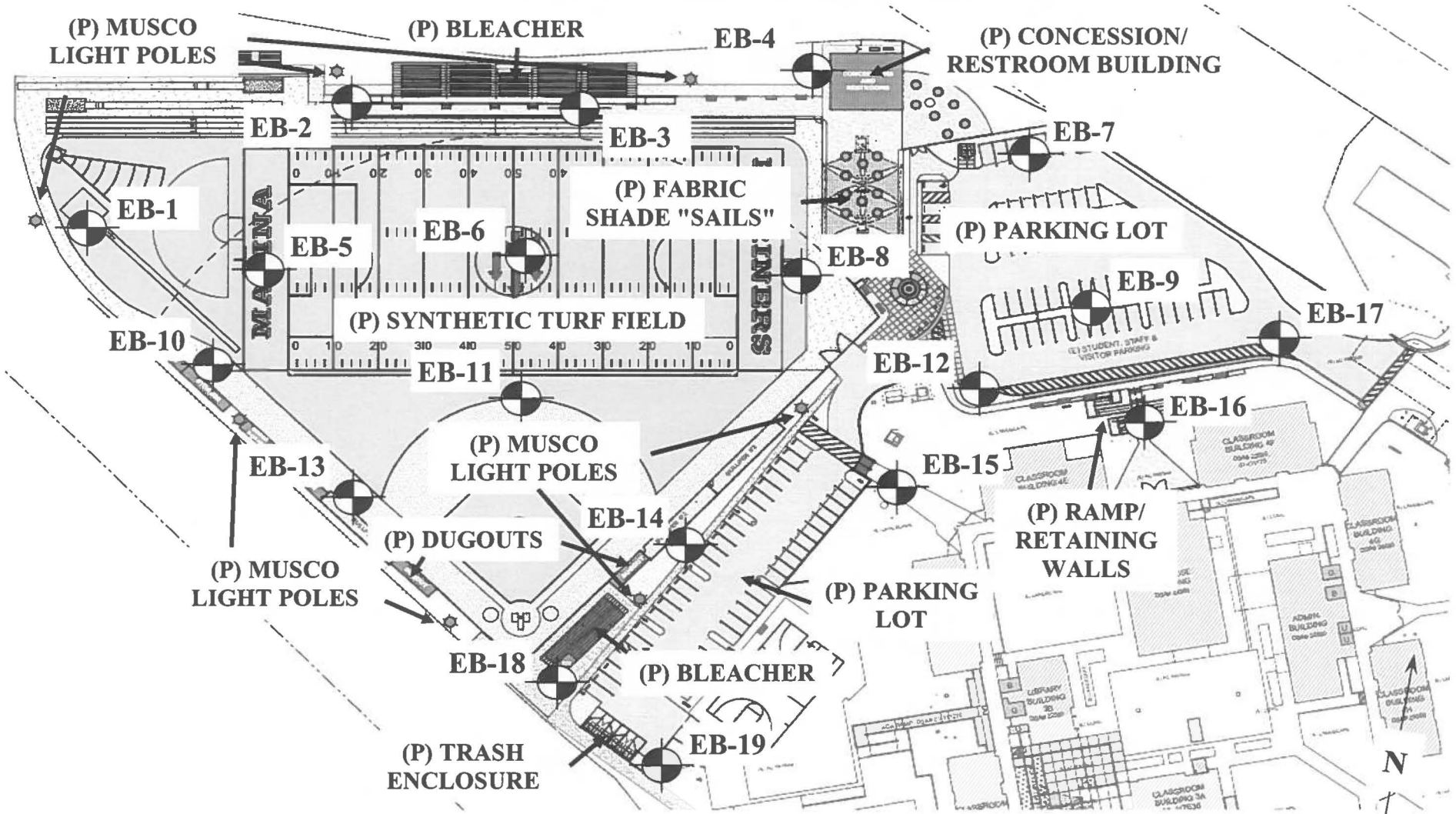
Soil Resistivity (ohm-cm)	Soil Classification
Below 500	Very Corrosive
500 to 1,000	Corrosive
1,000 to 2,000	Moderately Corrosive
2,000 to 10,000	Mildly Corrosive
Above 10,000	Progressively Less Corrosive

(c) National Association of Corrosion Engineers.

This condition combined with the neutral soil condition encountered at the site could result in reduced life span of buried steel piping and culverts for this project. Thicker gauge pipelines would have greater life spans. For example, the life spans for 18, 16 and 14-gauge steel culverts with a soil resistivity of 13,130 ohm-cm and a pH of 7.0 are estimated to be roughly 33, 43 and 52 years, respectively (California Division of Highways, 2019).

Based on the resistivity and sulfate testing, for the purposes of design of concrete in contact with the soil against acid and sulfate exposure conditions, there are no cementitious material or water content restrictions (Portland Cement Association, 2002).

Please call if you have any questions regarding this transmittal.
Attachments: Drawing 1 – Site Plan



EXPLANATION

EB-1 Approximate Location of Exploratory Boring

Base: Prepared by Weston Miles Architects, Dated September 22, 2022

SITE PLAN

CLEARY CONSULTANTS, INC.
Geotechnical Engineers and Geologists

MULTI-USE SPORTS FIELD IMPROVEMENTS
Marina High School
Marina, California

APPROVED BY	SCALE	PROJECT NO.	DATE	DRAWING NO.
GF	1" = 100' ±	1414.5	November 2022	1

CLEARY CONSULTANTS, INC.
Geotechnical Engineers and Geologists

Christophe A. Ciechanowski, President, GE
Grant F. Foster, Vice-President, GE
J. Michael Cleary, Principal, CEG, GE

February 8, 2023
Project No. 1414.5
Ser. 7285

Mr. Ryan Altemeyer, Associate Superintendent of Business Services
Monterey Peninsula Unified School District
c/o RGM Kramer, Inc.
Attn: Rick Mickey, Sr. Project Manager
540 Canyon Del Rey Blvd., Suite #1
Monterey, CA 93940

RE: ENVIRONMENTAL SOIL SCREENING TEST RESULTS
NEW MULTI-SPORTS SYNTHETIC FIELD
MARINA HIGH SCHOOL
298 PATTON PARKWAY
MARINA, CALIFORNIA

Dear Mr. Altemeyer:

As requested, we are submitting environmental soil screening test results for the on-site soils located at the planned new multi-sports synthetic field at the Marina High School campus in Monterey, California. Our proposal for the environmental soil screening was submitted August 23, 2022.

A total of ten discrete samples within the upper six to 12 inches of in-situ soils were collected (see Drawing 1), based on the current DTSC sampling standards. The samples were collected on September 20, 2022 through September 22, 2022 during the drilling of geotechnical exploratory borings. The soil samples were stored in a cooler with ice and then picked up by a Eurofins TestAmerica environmental lab courier on September 23, 2022 for discrete sample testing.

Soils analysis for each sample included TPH EPA 8260B – Gas, TEPH EPA 8015C – Diesel and Motor Oil, EPA 8260B – VOC's, EPA 8270C – Semivolatiles, EPA 8081B – Pesticides, EPA 8082A – PCB's, EPA 6010B and 7471A – CAM 17 Metals and Mercury, EPA 7199 – Chromium VI, EPA 6010B – Arsenic and Chromium STLC, and CARB-435 – Asbestos. The above tests were performed and reported on a dry weight basis with the exception of the EPA 6010B STLC testing and results. These tests are generally standard requirements for unrestricted use sites and landfills. The results of the analyses dated October 7, 2022, are attached to this letter (Job ID: 320-92432-1).

The attached summary reports prepared by Eurofins TestAmerica detail the lab analysis results. These test results were compared to the most recent (July 2019 Rev. 2) San Francisco Bay Regional Water Quality Control Board Environmental Screening Levels (ESLs) for shallow soils and residential land use and the State (Title 22-TTLC, STLC) and Federal (RCRA-TCLP) hazardous waste criteria. The ESLs are typically used by landfills and trucking companies to determine the appropriate site/location for re-use or disposal of soil.

The test results were also compared to the most recent (November 2021) Environmental Protection Agency Regional Screening Levels (EPA RSL) for residential soils or the most recent (June 2020) Human Health Risk Assessment (HHRA) Note Number 3 - DTSC-modified Screening Levels (DTSC-SL) for residential soils in California. Both the EPA RSLs and the DTSC-SLs have been developed to provide guidance and a recommended approach to risk assessment at sites that may be deemed hazardous. Both agencies provide screening level concentrations of chemicals in soil below thresholds of concern for risks to human health. It should be noted that these screening levels do not address potential ecological risks.

Sample MHSSF-ENV-A@0.5'

The results indicate that the detected contaminants (see Detection Summary Page 7, Job ID: 320-92432-1) are all either below the ESLs, the EPA RSLs or DTSC-SLs, the State TTLC or STLC or the Federal TCLP with the exception of Arsenic. All other test results were non-detectable (ND).

Arsenic (1.7 mg/kg result) is above the ESL (0.067 mg/kg) and the DTSC-SL (0.11 mg/kg). Arsenic is below the State TTLC criteria (500 mg/kg). Additional Arsenic STLC test results are ND (non-detect).

Sample MHSSF-ENV-B@0.5'

The results indicate that the detected contaminants (see Detection Summary Page 7, Job ID: 320-92432-2) are all either below the ESLs, the EPA RSLs or DTSC-SLs, the State TTLC or STLC or the Federal TCLP with the exception of Arsenic. All other test results were non-detectable (ND).

Arsenic (1.8 mg/kg result) is above the ESL (0.067 mg/kg) and the DTSC-SL (0.11 mg/kg).

Arsenic is below the State TTLC criteria (500 mg/kg). Additional Arsenic STLC test results are ND (non-detect).

Sample MHSSF-ENV-C@0.5'

The results indicate that the detected contaminants (see Detection Summary Page 7 and 8, Job ID: 320-92432-3) are all either below the ESLs, the EPA RSLs or DTSC-SLs, the State TTLC or STLC or the Federal TCLP with the exception of Arsenic. All other test results were non-detectable (ND).

Arsenic (1.3 mg/kg result) is above the ESL (0.067 mg/kg) and the DTSC-SL (0.11 mg/kg). Arsenic is below the State TTLC criteria (500 mg/kg). Additional Arsenic STLC test results are ND (non-detect).

Sample MHSSF-ENV-D@0.5'

The results indicate that the detected contaminants (see Detection Summary Page 8, Job ID: 320-92432-4) are all either below the ESLs, the EPA RSLs or DTSC-SLs, the State TTLC or STLC or the Federal TCLP with the exception of Arsenic, Cobalt, and Nickel. All other test results were non-detectable (ND).

Arsenic (2.2 mg/kg result) is above the ESL (0.067 mg/kg) and the DTSC-SL (0.11 mg/kg). Arsenic is below the State TTLC criteria (500 mg/kg). Additional Arsenic STLC test results are ND (non-detect).

Cobalt (26 mg/kg result) is above the ESL (23 mg/kg), the EPA RSL (23 mg/kg), and the mean value for Cobalt in the soil at LBL (14.0 mg/kg). However, Cobalt is below the State TTLC criteria (8000 mg/kg).

Nickel (110 mg/kg result) is above the ESL (86 mg/kg), the mean value for Nickel in the soil at LBL (68 mg/kg), and the Santa Clara County Background levels (46.4 to 101 mg/kg). However, Nickel is below the EPA RSL (1500 mg/kg) and the State TTLC criteria (2000 mg/kg). Additional Nickel STLC results are ND (non-detect).

Sample MHSSF-ENV-E@0.5'

The results indicate that the detected contaminants (see Detection Summary Page 8, Job ID: 320-92432-5) are all either below the ESLs, the EPA RSLs or DTSC-SLs, the State TTLC or STLC or the Federal TCLP with the exception of Arsenic. All other test results were non-detectable (ND).

Arsenic (1.3 mg/kg result) is above the ESL (0.067 mg/kg) and the DTSC-SL (0.11 mg/kg). Arsenic is below the State TTLC criteria (500 mg/kg). Additional Arsenic STLC test results are ND (non-detect).

Sample MHSSF-ENV-F@0.5'

The results indicate that the detected contaminants (see Detection Summary Page 8 and 9, Job ID: 320-92432-6) are all either below the ESLs, the EPA RSLs or DTSC-SLs, the State TTLC or STLC or the Federal TCLP with the exception of Arsenic. All other test results were non-detectable (ND).

Arsenic (1.6 mg/kg result) is above the ESL (0.067 mg/kg) and the DTSC-SL (0.11 mg/kg). Arsenic is below the State TTLC criteria (500 mg/kg). Additional Arsenic STLC test results are ND (non-detect).

Sample MHSSF-ENV-G@0.5'

The results indicate that the detected contaminants (see Detection Summary Page 9, Job ID: 320-92432-7) are all either below the ESLs, the EPA RSLs or DTSC-SLs, the State TTLC or STLC or the Federal TCLP with the exception of Arsenic. All other test results were non-detectable (ND).

Arsenic (1.3 mg/kg result) is above the ESL (0.067 mg/kg) and the DTSC-SL (0.11 mg/kg). Arsenic is below the State TTLC criteria (500 mg/kg). Additional Arsenic STLC test results are ND (non-detect). Additional Arsenic STLC results (0.43 mg/L) are ND (non-detect).

Sample MHSSF-ENV-H@0.5'

The results indicate that the detected contaminants (see Detection Summary Page 9 and 10, Job ID: 320-92432-8) are all either below the ESLs, the EPA RSLs or DTSC-SLs, the State TTLC or

STLC or the Federal TCLP, or are generally within the range of expected background metal concentrations. All other test results were non-detectable (ND).

Sample MHSSF-ENV-I@0.5'

The results indicate that the detected contaminants (see Detection Summary Page 10, Job ID: 320-92432-9) are all either below the ESLs, the EPA RSLs or DTSC-SLs, the State TTLC or STLC or the Federal TCLP. All other test results were non-detectable (ND).

Sample MHSSF-ENV-J@0.5'

The results indicate that the detected contaminants (see Detection Summary Page 10, Job ID: 320-92432-10) are all either below the ESLs, the EPA RSLs or DTSC-SLs, the State TTLC or STLC or the Federal TCLP. All other test results were non-detectable (ND).

Conclusions

The results of our environmental soil screening for the new multi-sports synthetic field at the Marina High School campus in Monterey, California indicate the presence of Arsenic, Cobalt and Nickel above the July 2019 Revision 2 ESLs.

Arsenic levels in MHSSF-ENV-A, MHSSF-ENV-B, MHSSF-ENV-C, MHSSF-ENV-D, MHSSF-ENV-E, MHSSF-ENV-F, and MHSSF-ENV-G are above the ESL.

Cobalt levels in sample MHSSF-ENV-D are above the ESL.

Nickel levels in sample MHSSF-ENV-D are above the ESL.

This screening was intended for preliminary analysis; additional sampling and discrete soil screening analysis may be required by landfills or trucking companies based on quantity of soil or site area prior to offhaul or disposal of excess materials.

Our services were performed in accordance with generally accepted geotechnical engineering principles and practices. This warranty is in lieu of all other warranties, either expressed or implied.

We appreciate the opportunity to provide our services to the District and its consultants. If you have any questions regarding this letter, please call.

Yours very truly,

CLEARY CONSULTANTS, INC.

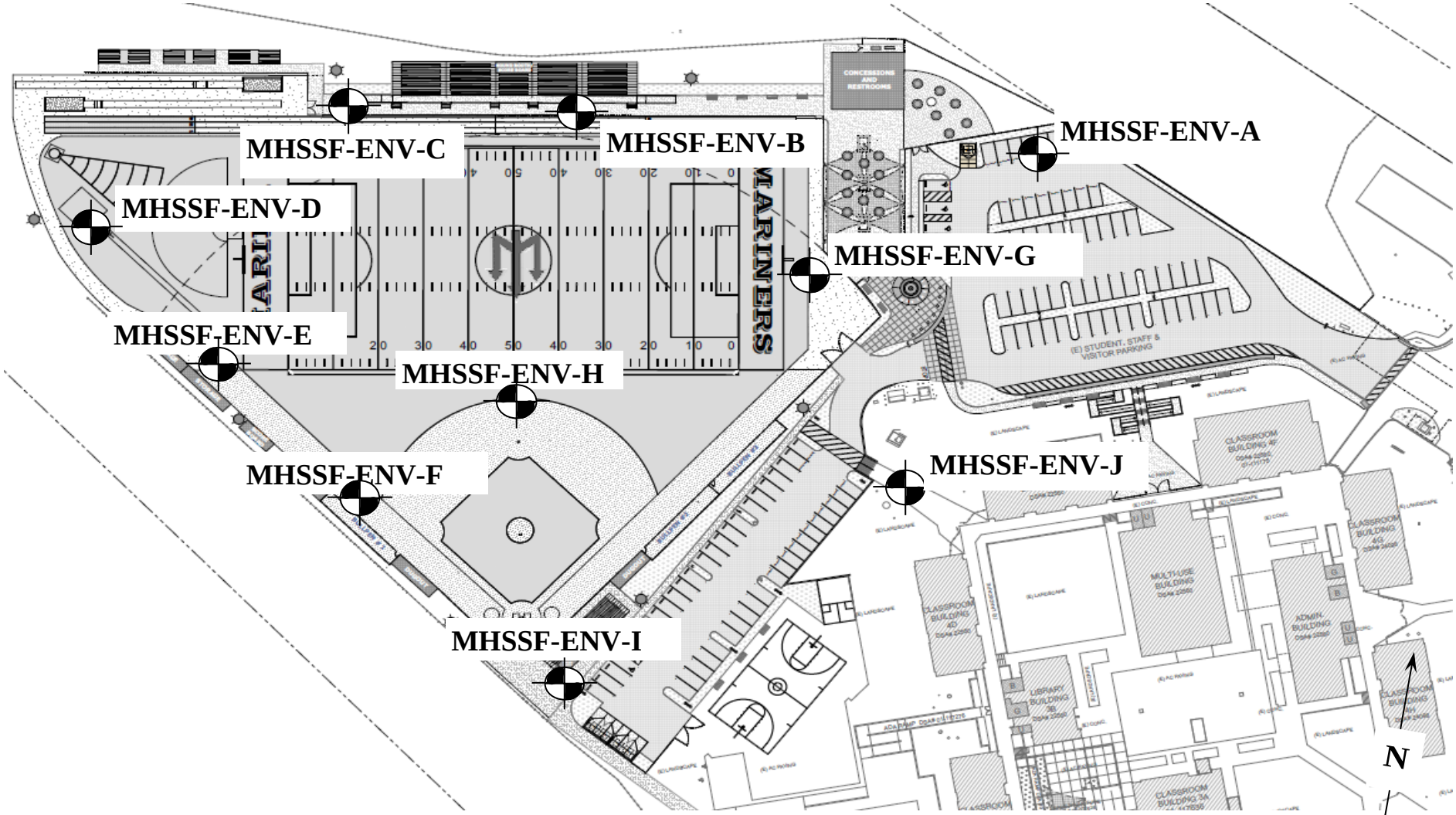
Annie Huynh
Staff Engineer

Grant Foster
Geotechnical Engineer 2662

AH/GF:ah

Copies: Addressee (email)

Attachments:
Drawing 1 – Environmental Soil Screening Sample Locations
Eurofins TestAmerica Results, Job ID 320-92432-1 (111 Pages) October 7, 2022



EXPLANATION

MHSSF-ENV-A
Approximate Location of Exploratory Boring

Base: Prepared by Weston Miles Architects, Dated September 22, 2022

SITE PLAN

CLEARY CONSULTANTS, INC.
Geotechnical Engineers and Geologists

MULTI-USE SPORTS FIELD IMPROVEMENTS
Marina High School
Marina, California

APPROVED BY	SCALE	PROJECT NO.	DATE	DRAWING NO.
GF	1" = 100' ±	1414.5	February 2023	1

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 320-92432-1
Client Project/Site: Mzrina High School

For:
Cleary Consultants, Inc
560 Division Street
Campbell, California 95008

Attn: Grant Foster

Authorized for release by:
10/7/2022 6:09:09 PM

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

Table of Contents

Definitions/Glossary

Client: Cleary Consultants, Inc
Project/Site: Mzrina High School

Job ID: 320-92432-1

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.

HPLC/IC

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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)

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
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

Job ID: 320-92432-1

Laboratory: Eurofins Sacramento

Narrative

Job Narrative
320-92432-1

Comments
No additional comments.

Receipt
The samples were received on 9/23/2022 6:45 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 1.5º C.

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

GC/MS Semi VOA
Method 8270C: The laboratory control sample (LCS) for preparation batch 320-620314 and analytical batch 320-620781 recovery outside control limits for the following analyte: 2,4-Dinitrophenol. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

Method 8270C: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 320-620314 and analytical batch 320-620781 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected.

Method 8270C: The following sample was diluted due to the nature of the sample matrix: MHSSF-ENV-D@0.5' (320-92432-4). Elevated reporting limits (RLs) are provided.

Method 8270C: The matrix spike duplicate (MSD) recovery for preparation batch 320-620314 and analytical batch 320-620781 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected.

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

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

GC Semi VOA
Method 8015C: The following sample was diluted due to the nature of the sample matrix: MHSSF-ENV-D@0.5' (320-92432-4). As such, surrogate recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

Method 8015C: The method blank for preparation batch 320-620320 and analytical batch 320-620722 contained C10-C28 above the reporting limit (RL). Associated sample were not re-extracted or re-analyzed because results were greater than 10X the value found in the method blank.

Method 8015C: The method blank for preparation batch 320-620320 and analytical batch 320-620722 contained C10-C28 above the reporting limit (RL). The samples associated with this method blank contained the target compound below the client's action level, therefore, the data has been flagged and reported.

Method 8015C: The Diesel Range Organics (DRO), C10-C28, concentration reported for the following samples is partially due to the presence of discrete peaks similar to the contamination peaks seen in the method blank : MHSSF-ENV-A@0.5' (320-92432-1), MHSSF-ENV-B@0.5' (320-92432-2), MHSSF-ENV-C@0.5' (320-92432-3), MHSSF-ENV-E@0.5' (320-92432-5), MHSSF-ENV-F@0.5' (320-92432-6), MHSSF-ENV-G@0.5' (320-92432-7), MHSSF-ENV-H@0.5' (320-92432-8), MHSSF-ENV-I@0.5' (320-92432-9) and MHSSF-ENV-J@0.5' (320-92432-10).

Method 8015C: Surrogate recovery for the following sample was outside control limits: MHSSF-ENV-F@0.5' (320-92432-6). Evidence of matrix interference is present; therefore, re-extraction and re-analysis was not performed.

Method 8015C: The following sample contained a hydrocarbon pattern in the diesel range; however, the elution pattern was later than the typical diesel fuel pattern used by the laboratory for quantitative purposes: MHSSF-ENV-D@0.5' (320-92432-4), MHSSF-ENV-I@0.5'

Job ID: 320-92432-1 (Continued)

Laboratory: Eurofins Sacramento (Continued)

(320-92432-9) and MHSSF-ENV-J@0.5' (320-92432-10).

Method 8081B: Due to a computer error, the instrument computer for GC75 has the incorrect time stamp and the injection times are off by 15 hours and 20 minutes (in the future). Samples affected include: MHSSF-ENV-A@0.5' (320-92432-1), (CCV 320-622637/4), (CCV 320-622637/5), (CCVRT 320-622637/3), (LCS 320-620354/3-A), (LCS 320-620354/4-A), (MB 320-620354/1-A) and (PEM 320-622637/2). MHSSF-ENV-A@0.5' (320-92432-1), (CCV 320-622637/4), (CCV 320-622637/5), (CCVRT 320-622637/3), (LCS 320-620354/3-A), (LCS 320-620354/4-A), (MB 320-620354/1-A) and (PEM 320-622637/2)

Method 8081B: The following sample was diluted due to the color of the sample matrix: MHSSF-ENV-D@0.5' (320-92432-4). As such, surrogate recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

Method 8081B: Surrogate recovery for the following sample was outside control limits: MHSSF-ENV-D@0.5' (320-92432-4). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8081B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 320-620354 and analytical batch 320-622837 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) was within acceptance limits.

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: Cleary Consultants, Inc
Project/Site: Mzrina High School

Job ID: 320-92432-1

Client Sample ID: MHSSF-ENV-A@0.5' — Lab Sample ID: 320-92432-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	1.4	B	1.0	0.50	mg/Kg	1	☼	8015C	Silica Gel Cleanup
Chromium, hexavalent	0.21	J	0.41	0.20	mg/Kg	10	☼	7199	Total/NA
Antimony	4.7		2.0	0.95	mg/Kg	1	☼	6010B	Total/NA
Arsenic	1.7	J	2.0	1.3	mg/Kg	1	☼	6010B	Total/NA
Barium	8.1		1.0	0.12	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.10	J	0.20	0.030	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.046	J	0.20	0.030	mg/Kg	1	☼	6010B	Total/NA
Chromium	8.1		0.51	0.14	mg/Kg	1	☼	6010B	Total/NA
Cobalt	1.2		0.51	0.25	mg/Kg	1	☼	6010B	Total/NA
Copper	2.2		1.5	0.22	mg/Kg	1	☼	6010B	Total/NA
Lead	1.5		1.0	0.26	mg/Kg	1	☼	6010B	Total/NA
Nickel	7.2		1.0	0.24	mg/Kg	1	☼	6010B	Total/NA
Vanadium	6.8		0.51	0.19	mg/Kg	1	☼	6010B	Total/NA
Zinc	5.6		2.0	0.19	mg/Kg	1	☼	6010B	Total/NA
Chromium	0.077	J B	0.10	0.0060	mg/L	10		6010B	STLC Citrate

Client Sample ID: MHSSF-ENV-B@0.5' — Lab Sample ID: 320-92432-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	1.1	B	1.0	0.51	mg/Kg	1	☼	8015C	Silica Gel Cleanup
Antimony	5.3		2.0	0.94	mg/Kg	1	☼	6010B	Total/NA
Arsenic	1.8	J	2.0	1.3	mg/Kg	1	☼	6010B	Total/NA
Barium	11		1.0	0.12	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.12	J	0.20	0.030	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.032	J	0.20	0.030	mg/Kg	1	☼	6010B	Total/NA
Chromium	11		0.50	0.14	mg/Kg	1	☼	6010B	Total/NA
Cobalt	1.3		0.50	0.25	mg/Kg	1	☼	6010B	Total/NA
Copper	2.4		1.5	0.22	mg/Kg	1	☼	6010B	Total/NA
Lead	1.7		1.0	0.26	mg/Kg	1	☼	6010B	Total/NA
Nickel	7.4		1.0	0.24	mg/Kg	1	☼	6010B	Total/NA
Vanadium	8.0		0.50	0.19	mg/Kg	1	☼	6010B	Total/NA
Zinc	7.3		2.0	0.19	mg/Kg	1	☼	6010B	Total/NA
Lead	0.052	J B	0.10	0.012	mg/L	10		6010B	STLC Citrate
Chromium	0.072	J	0.10	0.0060	mg/L	10		6010B	STLC Citrate

Client Sample ID: MHSSF-ENV-C@0.5' — Lab Sample ID: 320-92432-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	1.1	B	1.0	0.50	mg/Kg	1	☼	8015C	Silica Gel Cleanup
Antimony	3.2		2.0	0.95	mg/Kg	1	☼	6010B	Total/NA
Arsenic	1.3	J	2.0	1.3	mg/Kg	1	☼	6010B	Total/NA
Barium	9.7		1.0	0.12	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.10	J	0.20	0.030	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.059	J	0.20	0.030	mg/Kg	1	☼	6010B	Total/NA
Chromium	6.7		0.50	0.14	mg/Kg	1	☼	6010B	Total/NA
Cobalt	0.96		0.50	0.25	mg/Kg	1	☼	6010B	Total/NA
Copper	2.0		1.5	0.22	mg/Kg	1	☼	6010B	Total/NA
Lead	2.2		1.0	0.26	mg/Kg	1	☼	6010B	Total/NA
Nickel	6.0		1.0	0.24	mg/Kg	1	☼	6010B	Total/NA
Vanadium	5.1		0.50	0.19	mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Sacramento

Client Sample ID: MHSSF-ENV-C@0.5' (Continued) — Lab Sample ID: 320-92432-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Zinc	5.3		2.0	0.19	mg/Kg	1	☼	6010B	Total/NA
Lead	0.081	J B	0.10	0.012	mg/L	10		6010B	STLC Citrate
Chromium	0.037	J	0.10	0.0060	mg/L	10		6010B	STLC Citrate

Client Sample ID: MHSSF-ENV-D@0.5' — Lab Sample ID: 320-92432-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	170	B	110	53	mg/Kg	100	☼	8015C	Silica Gel Cleanup
Motor Oil Range Organics [C28-C40]	550		530	400	mg/Kg	100	☼	8015C	Silica Gel Cleanup
Antimony	3.7		2.0	0.94	mg/Kg	1	☼	6010B	Total/NA
Arsenic	2.2		2.0	1.3	mg/Kg	1	☼	6010B	Total/NA
Barium	14		1.0	0.12	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.075	J	0.20	0.030	mg/Kg	1	☼	6010B	Total/NA
Chromium	29		0.50	0.14	mg/Kg	1	☼	6010B	Total/NA
Cobalt	26		0.50	0.25	mg/Kg	1	☼	6010B	Total/NA
Copper	36		1.5	0.22	mg/Kg	1	☼	6010B	Total/NA
Lead	1.5		1.0	0.26	mg/Kg	1	☼	6010B	Total/NA
Nickel	110		1.0	0.24	mg/Kg	1	☼	6010B	Total/NA
Vanadium	13		0.50	0.19	mg/Kg	1	☼	6010B	Total/NA
Zinc	11		2.0	0.19	mg/Kg	1	☼	6010B	Total/NA
Lead	0.093	J B	0.10	0.012	mg/L	10		6010B	STLC Citrate
Chromium	0.078	J	0.10	0.0060	mg/L	10		6010B	STLC Citrate
Mercury	0.026	J	0.040	0.0080	mg/Kg	1	☼	7471A	Total/NA

Client Sample ID: MHSSF-ENV-E@0.5' — Lab Sample ID: 320-92432-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	1.3	B	1.1	0.53	mg/Kg	1	☼	8015C	Silica Gel Cleanup
Antimony	2.9		2.1	0.96	mg/Kg	1	☼	6010B	Total/NA
Arsenic	1.3	J	2.1	1.3	mg/Kg	1	☼	6010B	Total/NA
Barium	10		1.0	0.12	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.084	J	0.21	0.031	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.047	J	0.21	0.031	mg/Kg	1	☼	6010B	Total/NA
Chromium	7.2		0.51	0.14	mg/Kg	1	☼	6010B	Total/NA
Cobalt	0.98		0.51	0.26	mg/Kg	1	☼	6010B	Total/NA
Copper	2.0		1.5	0.23	mg/Kg	1	☼	6010B	Total/NA
Lead	1.0		1.0	0.27	mg/Kg	1	☼	6010B	Total/NA
Nickel	5.9		1.0	0.25	mg/Kg	1	☼	6010B	Total/NA
Vanadium	5.2		0.51	0.19	mg/Kg	1	☼	6010B	Total/NA
Zinc	5.1		2.1	0.19	mg/Kg	1	☼	6010B	Total/NA
Lead	0.024	J B	0.10	0.012	mg/L	10		6010B	STLC Citrate
Chromium	0.043	J	0.10	0.0060	mg/L	10		6010B	STLC Citrate

Client Sample ID: MHSSF-ENV-F@0.5' — Lab Sample ID: 320-92432-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	1.2	J B	1.3	0.65	mg/Kg	1	☼	8015C	Silica Gel Cleanup
Antimony	5.2		1.3	0.61	mg/Kg	1	☼	6010B	Total/NA
Arsenic	1.6		1.3	0.84	mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MHSSF-ENV-F@0.5' (Continued) — Lab Sample ID: 320-92432-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	17		0.65	0.078	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.11	J	0.13	0.019	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.063	J	0.13	0.019	mg/Kg	1	☼	6010B	Total/NA
Chromium	11		0.32	0.090	mg/Kg	1	☼	6010B	Total/NA
Cobalt	1.7		0.32	0.16	mg/Kg	1	☼	6010B	Total/NA
Copper	4.8		0.97	0.14	mg/Kg	1	☼	6010B	Total/NA
Lead	2.1		0.65	0.17	mg/Kg	1	☼	6010B	Total/NA
Nickel	9.2		0.65	0.16	mg/Kg	1	☼	6010B	Total/NA
Vanadium	8.1		0.32	0.12	mg/Kg	1	☼	6010B	Total/NA
Zinc	10		1.3	0.12	mg/Kg	1	☼	6010B	Total/NA
Lead	0.038	J B	0.10	0.012	mg/L	10		6010B	STLC Citrate
Chromium	0.040	J	0.10	0.0060	mg/L	10		6010B	STLC Citrate
Mercury	0.012	J	0.049	0.0099	mg/Kg	1	☼	7471A	Total/NA

Client Sample ID: MHSSF-ENV-G@0.5' — Lab Sample ID: 320-92432-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	0.85	J B	1.2	0.62	mg/Kg	1	☼	8015C	Silica Gel Cleanup
4,4'-DDE	0.00037	J	0.0021	0.00026	mg/Kg	1	☼	8081B	Total/NA
Antimony	2.9		1.6	0.76	mg/Kg	1	☼	6010B	Total/NA
Arsenic	1.3	J	1.6	1.1	mg/Kg	1	☼	6010B	Total/NA
Barium	9.7		0.81	0.097	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.091	J	0.16	0.024	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.062	J	0.16	0.024	mg/Kg	1	☼	6010B	Total/NA
Chromium	6.6		0.41	0.11	mg/Kg	1	☼	6010B	Total/NA
Cobalt	0.90		0.41	0.20	mg/Kg	1	☼	6010B	Total/NA
Copper	1.7		1.2	0.18	mg/Kg	1	☼	6010B	Total/NA
Lead	1.2		0.81	0.21	mg/Kg	1	☼	6010B	Total/NA
Nickel	5.4		0.81	0.19	mg/Kg	1	☼	6010B	Total/NA
Vanadium	4.5		0.41	0.15	mg/Kg	1	☼	6010B	Total/NA
Zinc	5.2		1.6	0.15	mg/Kg	1	☼	6010B	Total/NA
Lead	0.18	B	0.10	0.012	mg/L	10		6010B	STLC Citrate
Chromium	0.023	J	0.10	0.0060	mg/L	10		6010B	STLC Citrate

Client Sample ID: MHSSF-ENV-H@0.5' — Lab Sample ID: 320-92432-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	0.73	J B	1.1	0.54	mg/Kg	1	☼	8015C	Silica Gel Cleanup
4,4'-DDE	0.00029	J	0.0018	0.00022	mg/Kg	1	☼	8081B	Total/NA
Antimony	4.5		2.1	1.0	mg/Kg	1	☼	6010B	Total/NA
Barium	7.5		1.1	0.13	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.11	J	0.21	0.032	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.095	J	0.21	0.032	mg/Kg	1	☼	6010B	Total/NA
Chromium	9.3		0.53	0.15	mg/Kg	1	☼	6010B	Total/NA
Cobalt	1.2		0.53	0.27	mg/Kg	1	☼	6010B	Total/NA
Copper	2.1		1.6	0.23	mg/Kg	1	☼	6010B	Total/NA
Lead	1.6		1.1	0.28	mg/Kg	1	☼	6010B	Total/NA
Nickel	6.8		1.1	0.26	mg/Kg	1	☼	6010B	Total/NA
Vanadium	6.7		0.53	0.20	mg/Kg	1	☼	6010B	Total/NA
Zinc	5.3		2.1	0.20	mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MHSSF-ENV-H@0.5' (Continued) — Lab Sample ID: 320-92432-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.052	J B	0.10	0.012	mg/L	10		6010B	STLC Citrate
Chromium	0.058	J	0.10	0.0060	mg/L	10		6010B	STLC Citrate

Client Sample ID: MHSSF-ENV-I@0.5' — Lab Sample ID: 320-92432-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	1.3	B	1.1	0.54	mg/Kg	1	☼	8015C	Silica Gel Cleanup
Antimony	4.2		2.2	1.0	mg/Kg	1	☼	6010B	Total/NA
Barium	13		1.1	0.13	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.11	J	0.22	0.033	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.047	J	0.22	0.033	mg/Kg	1	☼	6010B	Total/NA
Chromium	8.6		0.54	0.15	mg/Kg	1	☼	6010B	Total/NA
Cobalt	1.2		0.54	0.27	mg/Kg	1	☼	6010B	Total/NA
Copper	2.7		1.6	0.24	mg/Kg	1	☼	6010B	Total/NA
Lead	1.2		1.1	0.28	mg/Kg	1	☼	6010B	Total/NA
Nickel	7.9		1.1	0.26	mg/Kg	1	☼	6010B	Total/NA
Vanadium	6.8		0.54	0.21	mg/Kg	1	☼	6010B	Total/NA
Zinc	5.6		2.2	0.21	mg/Kg	1	☼	6010B	Total/NA
Lead	0.048	J B	0.10	0.012	mg/L	10		6010B	STLC Citrate
Chromium	0.037	J	0.10	0.0060	mg/L	10		6010B	STLC Citrate

Client Sample ID: MHSSF-ENV-J@0.5' — Lab Sample ID: 320-92432-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	1.8	B	1.0	0.50	mg/Kg	1	☼	8015C	Silica Gel Cleanup
Motor Oil Range Organics [C28-C40]	6.1		5.0	3.8	mg/Kg	1	☼	8015C	Silica Gel Cleanup
4,4'-DDE	0.00022	J	0.0016	0.00020	mg/Kg	1	☼	8081B	Total/NA
4,4'-DDT	0.00045	J	0.0016	0.00024	mg/Kg	1	☼	8081B	Total/NA
Dieldrin	0.00045	J	0.0016	0.00019	mg/Kg	1	☼	8081B	Total/NA
Antimony	3.8		1.9	0.91	mg/Kg	1	☼	6010B	Total/NA
Barium	9.9		0.97	0.12	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.096	J	0.19	0.029	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.037	J	0.19	0.029	mg/Kg	1	☼	6010B	Total/NA
Chromium	5.2		0.49	0.14	mg/Kg	1	☼	6010B	Total/NA
Cobalt	0.82		0.49	0.24	mg/Kg	1	☼	6010B	Total/NA
Copper	1.7		1.5	0.21	mg/Kg	1	☼	6010B	Total/NA
Lead	1.1		0.97	0.25	mg/Kg	1	☼	6010B	Total/NA
Nickel	4.8		0.97	0.23	mg/Kg	1	☼	6010B	Total/NA
Vanadium	4.3		0.49	0.18	mg/Kg	1	☼	6010B	Total/NA
Zinc	6.8		1.9	0.18	mg/Kg	1	☼	6010B	Total/NA
Lead	0.049	J B	0.10	0.012	mg/L	10		6010B	STLC Citrate
Chromium	0.034	J	0.10	0.0060	mg/L	10		6010B	STLC Citrate

This Detection Summary does not include radiochemical test results.

Client: Cleary Consultants, Inc
Project/Site: Mzrina High School

Job ID: 320-92432-1

Client Sample ID: MHSSF-ENV-A@0.5'
Date Collected: 09/20/22 10:00
Date Received: 09/23/22 18:45

Lab Sample ID: 320-92432-1
Matrix: Solid
Percent Solids: 97.7

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.010	0.00061	mg/Kg	☼	09/26/22 11:12	09/28/22 15:48	1
Acetone	ND		0.020	0.0014	mg/Kg	☼	09/26/22 11:12	09/28/22 15:48	1
Benzene	ND		0.0051	0.00026	mg/Kg	☼	09/26/22 11:12	09/28/22 15:48	1
Dichlorobromomethane	ND		0.0051	0.00054	mg/Kg	☼	09/26/22 11:12	09/28/22 15:48	1
Bromobenzene	ND		0.0051	0.00053	mg/Kg	☼	09/26/22 11:12	09/28/22 15:48	1
Chlorobromomethane	ND		0.0051	0.00095	mg/Kg	☼	09/26/22 11:12	09/28/22 15:48	1
Bromoform	ND		0.0051	0.00041	mg/Kg	☼	09/26/22 11:12	09/28/22 15:48	1
Bromomethane	ND		0.0051	0.00087	mg/Kg	☼	09/26/22 11:12	09/28/22 15:48	1
2-Butanone (MEK)	ND		0.010	0.0014	mg/Kg	☼	09/26/22 11:12	09/28/22 15:48	1
n-Butylbenzene	ND		0.0051	0.00067	mg/Kg	☼	09/26/22 11:12	09/28/22 15:48	1
sec-Butylbenzene	ND		0.0051	0.00076	mg/Kg	☼	09/26/22 11:12	09/28/22 15:48	1
tert-Butylbenzene	ND		0.0051	0.00055	mg/Kg	☼	09/26/22 11:12	09/28/22 15:48	1
Carbon disulfide	ND		0.010	0.00050	mg/Kg	☼	09/26/22 11:12	09/28/22 15:48	1
Carbon tetrachloride	ND		0.0051	0.00054	mg/Kg	☼	09/26/22 11:12	09/28/22 15:48	1
Chlorobenzene	ND		0.0051	0.00029	mg/Kg	☼	09/26/22 11:12	09/28/22 15:48	1
Chloroethane	ND		0.0051	0.00046	mg/Kg	☼	09/26/22 11:12	09/28/22 15:48	1
Chloroform	ND		0.0051	0.00026	mg/Kg	☼	09/26/22 11:12	09/28/22 15:48	1
Chloromethane	ND		0.0051	0.00051	mg/Kg	☼	09/26/22 11:12	09/28/22 15:48	1
2-Chlorotoluene	ND		0.0051	0.00063	mg/Kg	☼	09/26/22 11:12	09/28/22 15:48	1
4-Chlorotoluene	ND		0.0051	0.00087	mg/Kg	☼	09/26/22 11:12	09/28/22 15:48	1
Chlorodibromomethane	ND		0.0051	0.00021	mg/Kg	☼	09/26/22 11:12	09/28/22 15:48	1
1,2-Dichlorobenzene	ND		0.0051	0.00065	mg/Kg	☼	09/26/22 11:12	09/28/22 15:48	1
1,3-Dichlorobenzene	ND		0.0051	0.00030	mg/Kg	☼	09/26/22 11:12	09/28/22 15:48	1
1,4-Dichlorobenzene	ND		0.0051	0.00079	mg/Kg	☼	09/26/22 11:12	09/28/22 15:48	1
1,3-Dichloropropane	ND		0.0051	0.00058	mg/Kg	☼	09/26/22 11:12	09/28/22 15:48	1
1,1-Dichloropropene	ND		0.0051	0.00037	mg/Kg	☼	09/26/22 11:12	09/28/22 15:48	1
1,2-Dibromo-3-Chloropropane	ND		0.010	0.00089	mg/Kg	☼	09/26/22 11:12	09/28/22 15:48	1
Ethylene Dibromide	ND		0.010	0.00027	mg/Kg	☼	09/26/22 11:12	09/28/22 15:48	1
Dibromomethane	ND		0.0051	0.00059	mg/Kg	☼	09/26/22 11:12	09/28/22 15:48	1
Dichlorodifluoromethane	ND		0.0051	0.00090	mg/Kg	☼	09/26/22 11:12	09/28/22 15:48	1
1,1-Dichloroethane	ND		0.0051	0.00029	mg/Kg	☼	09/26/22 11:12	09/28/22 15:48	1
1,2-Dichloroethane	ND		0.0051	0.00074	mg/Kg	☼	09/26/22 11:12	09/28/22 15:48	1
1,1-Dichloroethene	ND		0.0051	0.00026	mg/Kg	☼	09/26/22 11:12	09/28/22 15:48	1
cis-1,2-Dichloroethene	ND		0.0051	0.00090	mg/Kg	☼	09/26/22 11:12	09/28/22 15:48	1
trans-1,2-Dichloroethene	ND		0.0051	0.00038	mg/Kg	☼	09/26/22 11:12	09/28/22 15:48	1
1,2-Dichloropropane	ND		0.0051	0.00061	mg/Kg	☼	09/26/22 11:12	09/28/22 15:48	1
cis-1,3-Dichloropropene	ND		0.0051	0.00065	mg/Kg	☼	09/26/22 11:12	09/28/22 15:48	1
trans-1,3-Dichloropropene	ND		0.0051	0.00076	mg/Kg	☼	09/26/22 11:12	09/28/22 15:48	1
Ethylbenzene	ND		0.0051	0.00034	mg/Kg	☼	09/26/22 11:12	09/28/22 15:48	1
Hexachlorobutadiene	ND		0.0051	0.00033	mg/Kg	☼	09/26/22 11:12	09/28/22 15:48	1
2-Hexanone	ND		0.010	0.00075	mg/Kg	☼	09/26/22 11:12	09/28/22 15:48	1
Isopropylbenzene	ND		0.0051	0.00053	mg/Kg	☼	09/26/22 11:12	09/28/22 15:48	1
4-Isopropyltoluene	ND		0.0051	0.00064	mg/Kg	☼	09/26/22 11:12	09/28/22 15:48	1
Methylene Chloride	ND		0.010	0.00085	mg/Kg	☼	09/26/22 11:12	09/28/22 15:48	1
4-Methyl-2-pentanone (MIBK)	ND		0.010	0.00093	mg/Kg	☼	09/26/22 11:12	09/28/22 15:48	1
Naphthalene	ND		0.0051	0.00064	mg/Kg	☼	09/26/22 11:12	09/28/22 15:48	1
N-Propylbenzene	ND		0.0051	0.00029	mg/Kg	☼	09/26/22 11:12	09/28/22 15:48	1
Styrene	ND		0.0051	0.00031	mg/Kg	☼	09/26/22 11:12	09/28/22 15:48	1
1,1,1,2-Tetrachloroethane	ND		0.0051	0.00042	mg/Kg	☼	09/26/22 11:12	09/28/22 15:48	1

Client: Cleary Consultants, Inc
Project/Site: Mzrina High School

Job ID: 320-92432-1

Client Sample ID: MHSSF-ENV-A@0.5'
Date Collected: 09/20/22 10:00
Date Received: 09/23/22 18:45

Lab Sample ID: 320-92432-1
Matrix: Solid
Percent Solids: 97.7

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		0.0051	0.00069	mg/Kg	☼	09/26/22 11:12	09/28/22 15:48	1
Tetrachloroethene	ND		0.0051	0.00062	mg/Kg	☼	09/26/22 11:12	09/28/22 15:48	1
Toluene	ND		0.0051	0.00062	mg/Kg	☼	09/26/22 11:12	09/28/22 15:48	1
1,2,3-Trichlorobenzene	ND		0.0051	0.00076	mg/Kg	☼	09/26/22 11:12	09/28/22 15:48	1
1,2,4-Trichlorobenzene	ND		0.0051	0.00076	mg/Kg	☼	09/26/22 11:12	09/28/22 15:48	1
1,1,1-Trichloroethane	ND		0.0051	0.00036	mg/Kg	☼	09/26/22 11:12	09/28/22 15:48	1
1,1,2-Trichloroethane	ND		0.0051	0.00045	mg/Kg	☼	09/26/22 11:12	09/28/22 15:48	1
Trichloroethene	ND		0.0051	0.00061	mg/Kg	☼	09/26/22 11:12	09/28/22 15:48	1
Trichlorofluoromethane	ND		0.0051	0.00034	mg/Kg	☼	09/26/22 11:12	09/28/22 15:48	1
1,2,3-Trichloropropane	ND		0.0051	0.00077	mg/Kg	☼	09/26/22 11:12	09/28/22 15:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.010	0.00084	mg/Kg	☼	09/26/22 11:12	09/28/22 15:48	1
1,2,4-Trimethylbenzene	ND		0.0051	0.00052	mg/Kg	☼	09/26/22 11:12	09/28/22 15:48	1
1,3,5-Trimethylbenzene	ND		0.0051	0.00035	mg/Kg	☼	09/26/22 11:12	09/28/22 15:48	1
Vinyl acetate	ND		0.010	0.00070	mg/Kg	☼	09/26/22 11:12	09/28/22 15:48	1
Vinyl chloride	ND		0.0051	0.00036	mg/Kg	☼	09/26/22 11:12	09/28/22 15:48	1
Xylenes, Total	ND		0.0051	0.00082	mg/Kg	☼	09/26/22 11:12	09/28/22 15:48	1
2,2-Dichloropropane	ND		0.0051	0.00038	mg/Kg	☼	09/26/22 11:12	09/28/22 15:48	1
Gasoline Range Organics (C4-C12)	ND		510	51	ug/Kg	☼	09/26/22 11:12	09/28/22 15:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*63 - 143*	*09/26/22 11:12*	*09/28/22 15:48*	*1*
Dibromofluoromethane (Surr)	*95*		*55 - 129*	*09/26/22 11:12*	*09/28/22 15:48*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*32 - 156*	*09/26/22 11:12*	*09/28/22 15:48*	*1*
Toluene-d8 (Surr)	*108*		*63 - 138*	*09/26/22 11:12*	*09/28/22 15:48*	*1*

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.33	0.084	mg/Kg	☼	09/27/22 07:34	09/28/22 14:20	1
Bis(2-chloroethyl)ether	ND		0.33	0.082	mg/Kg	☼	09/27/22 07:34	09/28/22 14:20	1
2-Chlorophenol	ND		0.33	0.089	mg/Kg	☼	09/27/22 07:34	09/28/22 14:20	1
1,3-Dichlorobenzene	ND		0.33	0.079	mg/Kg	☼	09/27/22 07:34	09/28/22 14:20	1
1,4-Dichlorobenzene	ND		0.33	0.078	mg/Kg	☼	09/27/22 07:34	09/28/22 14:20	1
Benzyl alcohol	ND		0.33	0.17	mg/Kg	☼	09/27/22 07:34	09/28/22 14:20	1
1,2-Dichlorobenzene	ND		0.33	0.076	mg/Kg	☼	09/27/22 07:34	09/28/22 14:20	1
2-Methylphenol	ND		0.33	0.058	mg/Kg	☼	09/27/22 07:34	09/28/22 14:20	1
N-Nitrosodi-n-propylamine	ND		0.33	0.085	mg/Kg	☼	09/27/22 07:34	09/28/22 14:20	1
Hexachloroethane	ND		0.33	0.082	mg/Kg	☼	09/27/22 07:34	09/28/22 14:20	1
Nitrobenzene	ND		0.33	0.077	mg/Kg	☼	09/27/22 07:34	09/28/22 14:20	1
Isophorone	ND		0.33	0.094	mg/Kg	☼	09/27/22 07:34	09/28/22 14:20	1
2-Nitrophenol	ND		0.33	0.083	mg/Kg	☼	09/27/22 07:34	09/28/22 14:20	1
2,4-Dimethylphenol	ND		0.33	0.17	mg/Kg	☼	09/27/22 07:34	09/28/22 14:20	1
Bis(2-chloroethoxy)methane	ND		0.33	0.089	mg/Kg	☼	09/27/22 07:34	09/28/22 14:20	1
2,4-Dichlorophenol	ND		0.33	0.090	mg/Kg	☼	09/27/22 07:34	09/28/22 14:20	1
1,2,4-Trichlorobenzene	ND		0.33	0.084	mg/Kg	☼	09/27/22 07:34	09/28/22 14:20	1
Naphthalene	ND		0.33	0.083	mg/Kg	☼	09/27/22 07:34	09/28/22 14:20	1
4-Chloroaniline	ND		0.33	0.058	mg/Kg	☼	09/27/22 07:34	09/28/22 14:20	1
Hexachlorobutadiene	ND		0.33	0.083	mg/Kg	☼	09/27/22 07:34	09/28/22 14:20	1
4-Chloro-3-methylphenol	ND		0.33	0.093	mg/Kg	☼	09/27/22 07:34	09/28/22 14:20	1
2-Methylnaphthalene	ND		0.33	0.086	mg/Kg	☼	09/27/22 07:34	09/28/22 14:20	1
Hexachlorocyclopentadiene	ND		1.6	0.062	mg/Kg	☼	09/27/22 07:34	09/28/22 14:20	1

Client: Cleary Consultants, Inc
Project/Site: Mzrina High School

Job ID: 320-92432-1

Client Sample ID: MHSSF-ENV-A@0.5'
Date Collected: 09/20/22 10:00
Date Received: 09/23/22 18:45

Lab Sample ID: 320-92432-1
Matrix: Solid
Percent Solids: 97.7

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trichlorophenol	ND		0.33	0.085	mg/Kg	☼	09/27/22 07:34	09/28/22 14:20	1
2,4,5-Trichlorophenol	ND		0.33	0.084	mg/Kg	☼	09/27/22 07:34	09/28/22 14:20	1
2-Chloronaphthalene	ND		0.33	0.082	mg/Kg	☼	09/27/22 07:34	09/28/22 14:20	1
2-Nitroaniline	ND		1.6	0.085	mg/Kg	☼	09/27/22 07:34	09/28/22 14:20	1
Dimethyl phthalate	ND		0.33	0.088	mg/Kg	☼	09/27/22 07:34	09/28/22 14:20	1
Acenaphthylene	ND		0.33	0.086	mg/Kg	☼	09/27/22 07:34	09/28/22 14:20	1
3-Nitroaniline	ND		1.6	0.17	mg/Kg	☼	09/27/22 07:34	09/28/22 14:20	1
3-Methylphenol & 4-Methylphenol	ND		0.66	0.33	mg/Kg	☼	09/27/22 07:34	09/28/22 14:20	1
Acenaphthene	ND		0.33	0.084	mg/Kg	☼	09/27/22 07:34	09/28/22 14:20	1
2,4-Dinitrophenol	ND	*+ F2	1.6	0.22	mg/Kg	☼	09/27/22 07:34	09/28/22 14:20	1
4-Nitrophenol	ND		1.6	0.28	mg/Kg	☼	09/27/22 07:34	09/28/22 14:20	1
Dibenzofuran	ND		0.33	0.087	mg/Kg	☼	09/27/22 07:34	09/28/22 14:20	1
2,4-Dinitrotoluene	ND		0.33	0.090	mg/Kg	☼	09/27/22 07:34	09/28/22 14:20	1
2,6-Dinitrotoluene	ND		0.33	0.10	mg/Kg	☼	09/27/22 07:34	09/28/22 14:20	1
Diethyl phthalate	ND		0.33	0.091	mg/Kg	☼	09/27/22 07:34	09/28/22 14:20	1
4-Chlorophenyl phenyl ether	ND		0.33	0.094	mg/Kg	☼	09/27/22 07:34	09/28/22 14:20	1
Fluorene	ND		0.33	0.093	mg/Kg	☼	09/27/22 07:34	09/28/22 14:20	1
4-Nitroaniline	ND		1.6	0.089	mg/Kg	☼	09/27/22 07:34	09/28/22 14:20	1
2-Methyl-4,6-dinitrophenol	ND		1.6	0.082	mg/Kg	☼	09/27/22 07:34	09/28/22 14:20	1
N-Nitrosodiphenylamine	ND		0.33	0.087	mg/Kg	☼	09/27/22 07:34	09/28/22 14:20	1
4-Bromophenyl phenyl ether	ND		0.33	0.086	mg/Kg	☼	09/27/22 07:34	09/28/22 14:20	1
Hexachlorobenzene	ND		0.33	0.090	mg/Kg	☼	09/27/22 07:34	09/28/22 14:20	1
Pentachlorophenol	ND		1.6	0.051	mg/Kg	☼	09/27/22 07:34	09/28/22 14:20	1
Phenanthrene	ND		0.33	0.095	mg/Kg	☼	09/27/22 07:34	09/28/22 14:20	1
Anthracene	ND		0.33	0.087	mg/Kg	☼	09/27/22 07:34	09/28/22 14:20	1
Di-n-butyl phthalate	ND		0.33	0.098	mg/Kg	☼	09/27/22 07:34	09/28/22 14:20	1
Fluoranthene	ND		0.33	0.096	mg/Kg	☼	09/27/22 07:34	09/28/22 14:20	1
Pyrene	ND		0.33	0.095	mg/Kg	☼	09/27/22 07:34	09/28/22 14:20	1
Butyl benzyl phthalate	ND		0.33	0.096	mg/Kg	☼	09/27/22 07:34	09/28/22 14:20	1
3,3'-Dichlorobenzidine	ND		1.6	0.095	mg/Kg	☼	09/27/22 07:34	09/28/22 14:20	1
Benzo[a]anthracene	ND		0.33	0.093	mg/Kg	☼	09/27/22 07:34	09/28/22 14:20	1
Bis(2-ethylhexyl) phthalate	ND		0.33	0.099	mg/Kg	☼	09/27/22 07:34	09/28/22 14:20	1
Chrysene	ND		0.33	0.085	mg/Kg	☼	09/27/22 07:34	09/28/22 14:20	1
Di-n-octyl phthalate	ND		0.33	0.098	mg/Kg	☼	09/27/22 07:34	09/28/22 14:20	1
Benzo[b]fluoranthene	ND		0.33	0.096	mg/Kg	☼	09/27/22 07:34	09/28/22 14:20	1
Benzo[a]pyrene	ND		0.33	0.095	mg/Kg	☼	09/27/22 07:34	09/28/22 14:20	1
Benzo[k]fluoranthene	ND		0.33	0.11	mg/Kg	☼	09/27/22 07:34	09/28/22 14:20	1
Indeno[1,2,3-cd]pyrene	ND		0.33	0.097	mg/Kg	☼	09/27/22 07:34	09/28/22 14:20	1
Benzo[g,h,i]perylene	ND		0.33	0.11	mg/Kg	☼	09/27/22 07:34	09/28/22 14:20	1
Benzoic acid	ND	F1 F2	1.6	0.29	mg/Kg	☼	09/27/22 07:34	09/28/22 14:20	1
Azobenzene	ND		0.33	0.093	mg/Kg	☼	09/27/22 07:34	09/28/22 14:20	1
Dibenz(a,h)anthracene	ND		0.33	0.10	mg/Kg	☼	09/27/22 07:34	09/28/22 14:20	1
Pyridine	ND		0.66	0.073	mg/Kg	☼	09/27/22 07:34	09/28/22 14:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*61*		*54 - 114*	*09/27/22 07:34*	*09/28/22 14:20*	*1*
Terphenyl-d14	*80*		*66 - 126*	*09/27/22 07:34*	*09/28/22 14:20*	*1*
2-Fluorophenol	*68*		*53 - 113*	*09/27/22 07:34*	*09/28/22 14:20*	*1*
Phenol-d5	*70*		*54 - 114*	*09/27/22 07:34*	*09/28/22 14:20*	*1*
2,4,6-Tribromophenol	*86*		*60 - 120*	*09/27/22 07:34*	*09/28/22 14:20*	*1*

Client Sample ID: MHSSF-ENV-A@0.5'

Date Collected: 09/20/22 10:00
Date Received: 09/23/22 18:45

Lab Sample ID: 320-92432-1

Matrix: Solid
Percent Solids: 97.7

Method: EPA 8015C - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	1.4	B	1.0	0.50	mg/Kg	☼	09/27/22 07:45	09/29/22 01:31	1
Motor Oil Range Organics [C28-C40]	ND		5.0	3.8	mg/Kg	☼	09/27/22 07:45	09/29/22 01:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*64*		*51 - 111*	*09/27/22 07:45*	*09/29/22 01:31*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.0017	0.00014	mg/Kg	☼	09/27/22 10:07	10/06/22 09:59	1
alpha-BHC	ND		0.0017	0.00016	mg/Kg	☼	09/27/22 10:07	10/06/22 09:59	1
beta-BHC	ND		0.0017	0.00021	mg/Kg	☼	09/27/22 10:07	10/06/22 09:59	1
gamma-BHC (Lindane)	ND		0.0017	0.00014	mg/Kg	☼	09/27/22 10:07	10/06/22 09:59	1
delta-BHC	ND		0.0017	0.00034	mg/Kg	☼	09/27/22 10:07	10/06/22 09:59	1
cis-Chlordane	ND		0.0017	0.00018	mg/Kg	☼	09/27/22 10:07	10/06/22 09:59	1
trans-Chlordane	ND		0.0017	0.00058	mg/Kg	☼	09/27/22 10:07	10/06/22 09:59	1
Chlordane (technical)	ND		0.019	0.0091	mg/Kg	☼	09/27/22 10:07	10/06/22 09:59	1
4,4'-DDD	ND		0.0017	0.00022	mg/Kg	☼	09/27/22 10:07	10/06/22 09:59	1
4,4'-DDE	ND		0.0017	0.00020	mg/Kg	☼	09/27/22 10:07	10/06/22 09:59	1
4,4'-DDT	ND		0.0017	0.00024	mg/Kg	☼	09/27/22 10:07	10/06/22 09:59	1
Dieldrin	ND		0.0017	0.00019	mg/Kg	☼	09/27/22 10:07	10/06/22 09:59	1
Endosulfan I	ND		0.0017	0.00018	mg/Kg	☼	09/27/22 10:07	10/06/22 09:59	1
Endosulfan II	ND		0.0017	0.00018	mg/Kg	☼	09/27/22 10:07	10/06/22 09:59	1
Endosulfan sulfate	ND		0.0017	0.00034	mg/Kg	☼	09/27/22 10:07	10/06/22 09:59	1
Endrin	ND		0.0017	0.00019	mg/Kg	☼	09/27/22 10:07	10/06/22 09:59	1
Endrin aldehyde	ND		0.0017	0.00055	mg/Kg	☼	09/27/22 10:07	10/06/22 09:59	1
Endrin ketone	ND		0.0017	0.00026	mg/Kg	☼	09/27/22 10:07	10/06/22 09:59	1
Heptachlor	ND		0.0017	0.00015	mg/Kg	☼	09/27/22 10:07	10/06/22 09:59	1
Heptachlor epoxide	ND		0.0017	0.00018	mg/Kg	☼	09/27/22 10:07	10/06/22 09:59	1
Methoxychlor	ND		0.0033	0.00054	mg/Kg	☼	09/27/22 10:07	10/06/22 09:59	1
Toxaphene	ND		0.065	0.022	mg/Kg	☼	09/27/22 10:07	10/06/22 09:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*74*		*46 - 109*	*09/27/22 10:07*	*10/06/22 09:59*	*1*
DCB Decachlorobiphenyl	*79*		*46 - 109*	*09/27/22 10:07*	*10/06/22 09:59*	*1*
Tetrachloro-m-xylene	*64*		*47 - 107*	*09/27/22 10:07*	*10/06/22 09:59*	*1*
Tetrachloro-m-xylene	*58*		*47 - 107*	*09/27/22 10:07*	*10/06/22 09:59*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		32	2.5	ug/Kg	☼	09/27/22 10:56	10/04/22 18:15	1
PCB-1221	ND		32	3.5	ug/Kg	☼	09/27/22 10:56	10/04/22 18:15	1
PCB-1232	ND		32	4.7	ug/Kg	☼	09/27/22 10:56	10/04/22 18:15	1
PCB-1242	ND		32	5.7	ug/Kg	☼	09/27/22 10:56	10/04/22 18:15	1
PCB-1248	ND		32	2.4	ug/Kg	☼	09/27/22 10:56	10/04/22 18:15	1
PCB-1254	ND		32	3.7	ug/Kg	☼	09/27/22 10:56	10/04/22 18:15	1
PCB-1260	ND		32	2.6	ug/Kg	☼	09/27/22 10:56	10/04/22 18:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*114*		*52 - 138*	*09/27/22 10:56*	*10/04/22 18:15*	*1*

Client Sample ID: MHSSF-ENV-A@0.5'

Lab Sample ID: 320-92432-1
Date Collected: 09/20/22 10:00
Matrix: Solid
Date Received: 09/23/22 18:45
Percent Solids: 97.7

Method: SW846 7199 - Chromium, Hexavalent (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	0.21	J	0.41	0.20	mg/Kg	☼	09/29/22 02:00	09/29/22 08:09	10

Method: SW846 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	4.7		2.0	0.95	mg/Kg	☼	09/26/22 16:00	09/27/22 13:59	1
Arsenic	1.7	J	2.0	1.3	mg/Kg	☼	09/26/22 16:00	09/27/22 13:59	1
Barium	8.1		1.0	0.12	mg/Kg	☼	09/26/22 16:00	09/27/22 13:59	1
Beryllium	0.10	J	0.20	0.030	mg/Kg	☼	09/26/22 16:00	09/27/22 13:59	1
Cadmium	0.046	J	0.20	0.030	mg/Kg	☼	09/26/22 16:00	09/27/22 13:59	1
Chromium	8.1		0.51	0.14	mg/Kg	☼	09/26/22 16:00	09/27/22 13:59	1
Cobalt	1.2		0.51	0.25	mg/Kg	☼	09/26/22 16:00	09/27/22 13:59	1
Copper	2.2		1.5	0.22	mg/Kg	☼	09/26/22 16:00	09/27/22 13:59	1
Lead	1.5		1.0	0.26	mg/Kg	☼	09/26/22 16:00	09/27/22 13:59	1
Molybdenum	ND		2.0	0.76	mg/Kg	☼	09/26/22 16:00	09/27/22 13:59	1
Nickel	7.2		1.0	0.24	mg/Kg	☼	09/26/22 16:00	09/27/22 13:59	1
Selenium	ND		2.0	1.4	mg/Kg	☼	09/26/22 16:00	09/27/22 13:59	1
Silver	ND		0.51	0.091	mg/Kg	☼	09/26/22 16:00	09/27/22 13:59	1
Thallium	ND		2.0	0.85	mg/Kg	☼	09/26/22 16:00	09/27/22 13:59	1
Vanadium	6.8		0.51	0.19	mg/Kg	☼	09/26/22 16:00	09/27/22 13:59	1
Zinc	5.6		2.0	0.19	mg/Kg	☼	09/26/22 16:00	09/27/22 13:59	1

Method: SW846 6010B - Metals (ICP) - STLC Citrate

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.10	0.012	mg/L			09/30/22 14:03	10
Arsenic	ND		0.20	0.12	mg/L			09/30/22 14:03	10
Chromium	0.077	J B	0.10	0.0060	mg/L			09/30/22 14:03	10

Method: SW846 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.040	0.0081	mg/Kg	☼	09/29/22 12:49	09/29/22 16:04	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (ASTM D 2216)	2.3		0.1	0.1	%			09/26/22 15:18	1

Client Sample ID: MHSSF-ENV-B@0.5'

Lab Sample ID: 320-92432-2
Date Collected: 09/20/22 13:00
Matrix: Solid
Date Received: 09/23/22 18:45
Percent Solids: 95.7

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.010	0.00062	mg/Kg	☼	09/26/22 11:12	09/28/22 16:10	1
Acetone	ND		0.021	0.0014	mg/Kg	☼	09/26/22 11:12	09/28/22 16:10	1
Benzene	ND		0.0051	0.00027	mg/Kg	☼	09/26/22 11:12	09/28/22 16:10	1
Dichlorobromomethane	ND		0.0051	0.00054	mg/Kg	☼	09/26/22 11:12	09/28/22 16:10	1
Bromobenzene	ND		0.0051	0.00053	mg/Kg	☼	09/26/22 11:12	09/28/22 16:10	1
Chlorobromomethane	ND		0.0051	0.00096	mg/Kg	☼	09/26/22 11:12	09/28/22 16:10	1
Bromoform	ND		0.0051	0.00041	mg/Kg	☼	09/26/22 11:12	09/28/22 16:10	1
Bromomethane	ND		0.0051	0.00088	mg/Kg	☼	09/26/22 11:12	09/28/22 16:10	1
2-Butanone (MEK)	ND		0.010	0.0014	mg/Kg	☼	09/26/22 11:12	09/28/22 16:10	1
n-Butylbenzene	ND		0.0051	0.00068	mg/Kg	☼	09/26/22 11:12	09/28/22 16:10	1

Client: Cleary Consultants, Inc
Project/Site: Mzrina High School

Job ID: 320-92432-1

Client Sample ID: MHSSF-ENV-B@0.5'
Date Collected: 09/20/22 13:00
Date Received: 09/23/22 18:45

Lab Sample ID: 320-92432-2
Matrix: Solid
Percent Solids: 95.7

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		0.0051	0.00077	mg/Kg	☼	09/26/22 11:12	09/28/22 16:10	1
tert-Butylbenzene	ND		0.0051	0.00055	mg/Kg	☼	09/26/22 11:12	09/28/22 16:10	1
Carbon disulfide	ND		0.010	0.00050	mg/Kg	☼	09/26/22 11:12	09/28/22 16:10	1
Carbon tetrachloride	ND		0.0051	0.00054	mg/Kg	☼	09/26/22 11:12	09/28/22 16:10	1
Chlorobenzene	ND		0.0051	0.00030	mg/Kg	☼	09/26/22 11:12	09/28/22 16:10	1
Chloroethane	ND		0.0051	0.00046	mg/Kg	☼	09/26/22 11:12	09/28/22 16:10	1
Chloroform	ND		0.0051	0.00027	mg/Kg	☼	09/26/22 11:12	09/28/22 16:10	1
Chloromethane	ND		0.0051	0.00051	mg/Kg	☼	09/26/22 11:12	09/28/22 16:10	1
2-Chlorotoluene	ND		0.0051	0.00064	mg/Kg	☼	09/26/22 11:12	09/28/22 16:10	1
4-Chlorotoluene	ND		0.0051	0.00088	mg/Kg	☼	09/26/22 11:12	09/28/22 16:10	1
Chlorodibromomethane	ND		0.0051	0.00022	mg/Kg	☼	09/26/22 11:12	09/28/22 16:10	1
1,2-Dichlorobenzene	ND		0.0051	0.00066	mg/Kg	☼	09/26/22 11:12	09/28/22 16:10	1
1,3-Dichlorobenzene	ND		0.0051	0.00031	mg/Kg	☼	09/26/22 11:12	09/28/22 16:10	1
1,4-Dichlorobenzene	ND		0.0051	0.00080	mg/Kg	☼	09/26/22 11:12	09/28/22 16:10	1
1,3-Dichloropropane	ND		0.0051	0.00058	mg/Kg	☼	09/26/22 11:12	09/28/22 16:10	1
1,1-Dichloropropene	ND		0.0051	0.00038	mg/Kg	☼	09/26/22 11:12	09/28/22 16:10	1
1,2-Dibromo-3-Chloropropane	ND		0.010	0.00090	mg/Kg	☼	09/26/22 11:12	09/28/22 16:10	1
Ethylene Dibromide	ND		0.010	0.00028	mg/Kg	☼	09/26/22 11:12	09/28/22 16:10	1
Dibromomethane	ND		0.0051	0.00060	mg/Kg	☼	09/26/22 11:12	09/28/22 16:10	1
Dichlorodifluoromethane	ND		0.0051	0.00091	mg/Kg	☼	09/26/22 11:12	09/28/22 16:10	1
1,1-Dichloroethane	ND		0.0051	0.00030	mg/Kg	☼	09/26/22 11:12	09/28/22 16:10	1
1,2-Dichloroethane	ND		0.0051	0.00075	mg/Kg	☼	09/26/22 11:12	09/28/22 16:10	1
1,1-Dichloroethene	ND		0.0051	0.00027	mg/Kg	☼	09/26/22 11:12	09/28/22 16:10	1
cis-1,2-Dichloroethene	ND		0.0051	0.00091	mg/Kg	☼	09/26/22 11:12	09/28/22 16:10	1
trans-1,2-Dichloroethene	ND		0.0051	0.00039	mg/Kg	☼	09/26/22 11:12	09/28/22 16:10	1
1,2-Dichloropropane	ND		0.0051	0.00062	mg/Kg	☼	09/26/22 11:12	09/28/22 16:10	1
cis-1,3-Dichloropropene	ND		0.0051	0.00066	mg/Kg	☼	09/26/22 11:12	09/28/22 16:10	1
trans-1,3-Dichloropropene	ND		0.0051	0.00077	mg/Kg	☼	09/26/22 11:12	09/28/22 16:10	1
Ethylbenzene	ND		0.0051	0.00035	mg/Kg	☼	09/26/22 11:12	09/28/22 16:10	1
Hexachlorobutadiene	ND		0.0051	0.00034	mg/Kg	☼	09/26/22 11:12	09/28/22 16:10	1
2-Hexanone	ND		0.010	0.00076	mg/Kg	☼	09/26/22 11:12	09/28/22 16:10	1
Isopropylbenzene	ND		0.0051	0.00053	mg/Kg	☼	09/26/22 11:12	09/28/22 16:10	1
4-Isopropyltoluene	ND		0.0051	0.00065	mg/Kg	☼	09/26/22 11:12	09/28/22 16:10	1
Methylene Chloride	ND		0.010	0.00086	mg/Kg	☼	09/26/22 11:12	09/28/22 16:10	1
4-Methyl-2-pentanone (MIBK)	ND		0.010	0.00094	mg/Kg	☼	09/26/22 11:12	09/28/22 16:10	1
Naphthalene	ND		0.0051	0.00065	mg/Kg	☼	09/26/22 11:12	09/28/22 16:10	1
N-Propylbenzene	ND		0.0051	0.00030	mg/Kg	☼	09/26/22 11:12	09/28/22 16:10	1
Styrene	ND		0.0051	0.00032	mg/Kg	☼	09/26/22 11:12	09/28/22 16:10	1
1,1,1,2-Tetrachloroethane	ND		0.0051	0.00042	mg/Kg	☼	09/26/22 11:12	09/28/22 16:10	1
1,1,2,2-Tetrachloroethane	ND		0.0051	0.00070	mg/Kg	☼	09/26/22 11:12	09/28/22 16:10	1
Tetrachloroethene	ND		0.0051	0.00063	mg/Kg	☼	09/26/22 11:12	09/28/22 16:10	1
Toluene	ND		0.0051	0.00063	mg/Kg	☼	09/26/22 11:12	09/28/22 16:10	1
1,2,3-Trichlorobenzene	ND		0.0051	0.00077	mg/Kg	☼	09/26/22 11:12	09/28/22 16:10	1
1,2,4-Trichlorobenzene	ND		0.0051	0.00077	mg/Kg	☼	09/26/22 11:12	09/28/22 16:10	1
1,1,1-Trichloroethane	ND		0.0051	0.00037	mg/Kg	☼	09/26/22 11:12	09/28/22 16:10	1
1,1,2-Trichloroethane	ND		0.0051	0.00045	mg/Kg	☼	09/26/22 11:12	09/28/22 16:10	1
Trichloroethene	ND		0.0051	0.00062	mg/Kg	☼	09/26/22 11:12	09/28/22 16:10	1
Trichlorofluoromethane	ND		0.0051	0.00035	mg/Kg	☼	09/26/22 11:12	09/28/22 16:10	1
1,2,3-Trichloropropane	ND		0.0051	0.00078	mg/Kg	☼	09/26/22 11:12	09/28/22 16:10	1

Client Sample ID: MHSSF-ENV-B@0.5'
Date Collected: 09/20/22 13:00
Date Received: 09/23/22 18:45

Lab Sample ID: 320-92432-2
Matrix: Solid
Percent Solids: 95.7

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.010	0.00085	mg/Kg	☼	09/26/22 11:12	09/28/22 16:10	1
1,2,4-Trimethylbenzene	ND		0.0051	0.00052	mg/Kg	☼	09/26/22 11:12	09/28/22 16:10	1
1,3,5-Trimethylbenzene	ND		0.0051	0.00036	mg/Kg	☼	09/26/22 11:12	09/28/22 16:10	1
Vinyl acetate	ND		0.010	0.00071	mg/Kg	☼	09/26/22 11:12	09/28/22 16:10	1
Vinyl chloride	ND		0.0051	0.00037	mg/Kg	☼	09/26/22 11:12	09/28/22 16:10	1
Xylenes, Total	ND		0.0051	0.00083	mg/Kg	☼	09/26/22 11:12	09/28/22 16:10	1
2,2-Dichloropropane	ND		0.0051	0.00039	mg/Kg	☼	09/26/22 11:12	09/28/22 16:10	1
Gasoline Range Organics (C4-C12)	ND		510	51	ug/Kg	☼	09/26/22 11:12	09/28/22 16:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*63 - 143*	*09/26/22 11:12*	*09/28/22 16:10*	*1*
Dibromofluoromethane (Surr)	*93*		*55 - 129*	*09/26/22 11:12*	*09/28/22 16:10*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*32 - 156*	*09/26/22 11:12*	*09/28/22 16:10*	*1*
Toluene-d8 (Surr)	*106*		*63 - 138*	*09/26/22 11:12*	*09/28/22 16:10*	*1*

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.34	0.085	mg/Kg	☼	09/27/22 07:34	09/28/22 15:34	1
Bis(2-chloroethyl)ether	ND		0.34	0.083	mg/Kg	☼	09/27/22 07:34	09/28/22 15:34	1
2-Chlorophenol	ND		0.34	0.090	mg/Kg	☼	09/27/22 07:34	09/28/22 15:34	1
1,3-Dichlorobenzene	ND		0.34	0.080	mg/Kg	☼	09/27/22 07:34	09/28/22 15:34	1
1,4-Dichlorobenzene	ND		0.34	0.079	mg/Kg	☼	09/27/22 07:34	09/28/22 15:34	1
Benzyl alcohol	ND		0.34	0.17	mg/Kg	☼	09/27/22 07:34	09/28/22 15:34	1
1,2-Dichlorobenzene	ND		0.34	0.077	mg/Kg	☼	09/27/22 07:34	09/28/22 15:34	1
2-Methylphenol	ND		0.34	0.059	mg/Kg	☼	09/27/22 07:34	09/28/22 15:34	1
N-Nitrosodi-n-propylamine	ND		0.34	0.086	mg/Kg	☼	09/27/22 07:34	09/28/22 15:34	1
Hexachloroethane	ND		0.34	0.083	mg/Kg	☼	09/27/22 07:34	09/28/22 15:34	1
Nitrobenzene	ND		0.34	0.078	mg/Kg	☼	09/27/22 07:34	09/28/22 15:34	1
Isophorone	ND		0.34	0.095	mg/Kg	☼	09/27/22 07:34	09/28/22 15:34	1
2-Nitrophenol	ND		0.34	0.084	mg/Kg	☼	09/27/22 07:34	09/28/22 15:34	1
2,4-Dimethylphenol	ND		0.34	0.17	mg/Kg	☼	09/27/22 07:34	09/28/22 15:34	1
Bis(2-chloroethoxy)methane	ND		0.34	0.090	mg/Kg	☼	09/27/22 07:34	09/28/22 15:34	1
2,4-Dichlorophenol	ND		0.34	0.091	mg/Kg	☼	09/27/22 07:34	09/28/22 15:34	1
1,2,4-Trichlorobenzene	ND		0.34	0.085	mg/Kg	☼	09/27/22 07:34	09/28/22 15:34	1
Naphthalene	ND		0.34	0.084	mg/Kg	☼	09/27/22 07:34	09/28/22 15:34	1
4-Chloroaniline	ND		0.34	0.059	mg/Kg	☼	09/27/22 07:34	09/28/22 15:34	1
Hexachlorobutadiene	ND		0.34	0.084	mg/Kg	☼	09/27/22 07:34	09/28/22 15:34	1
4-Chloro-3-methylphenol	ND		0.34	0.094	mg/Kg	☼	09/27/22 07:34	09/28/22 15:34	1
2-Methylnaphthalene	ND		0.34	0.087	mg/Kg	☼	09/27/22 07:34	09/28/22 15:34	1
Hexachlorocyclopentadiene	ND		1.6	0.063	mg/Kg	☼	09/27/22 07:34	09/28/22 15:34	1
2,4,6-Trichlorophenol	ND		0.34	0.086	mg/Kg	☼	09/27/22 07:34	09/28/22 15:34	1
2,4,5-Trichlorophenol	ND		0.34	0.085	mg/Kg	☼	09/27/22 07:34	09/28/22 15:34	1
2-Chloronaphthalene	ND		0.34	0.083	mg/Kg	☼	09/27/22 07:34	09/28/22 15:34	1
2-Nitroaniline	ND		1.6	0.086	mg/Kg	☼	09/27/22 07:34	09/28/22 15:34	1
Dimethyl phthalate	ND		0.34	0.089	mg/Kg	☼	09/27/22 07:34	09/28/22 15:34	1
Acenaphthylene	ND		0.34	0.087	mg/Kg	☼	09/27/22 07:34	09/28/22 15:34	1
3-Nitroaniline	ND		1.6	0.17	mg/Kg	☼	09/27/22 07:34	09/28/22 15:34	1
3-Methylphenol & 4-Methylphenol	ND		0.68	0.34	mg/Kg	☼	09/27/22 07:34	09/28/22 15:34	1
Acenaphthene	ND		0.34	0.085	mg/Kg	☼	09/27/22 07:34	09/28/22 15:34	1
2,4-Dinitrophenol	ND	*+	1.6	0.22	mg/Kg	☼	09/27/22 07:34	09/28/22 15:34	1

Client: Cleary Consultants, Inc
Project/Site: Mzrina High School

Job ID: 320-92432-1

Client Sample ID: MHSSF-ENV-B@0.5'
Date Collected: 09/20/22 13:00
Date Received: 09/23/22 18:45

Lab Sample ID: 320-92432-2
Matrix: Solid
Percent Solids: 95.7

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	ND		1.6	0.29	mg/Kg	☼	09/27/22 07:34	09/28/22 15:34	1
Dibenzofuran	ND		0.34	0.088	mg/Kg	☼	09/27/22 07:34	09/28/22 15:34	1
2,4-Dinitrotoluene	ND		0.34	0.091	mg/Kg	☼	09/27/22 07:34	09/28/22 15:34	1
2,6-Dinitrotoluene	ND		0.34	0.10	mg/Kg	☼	09/27/22 07:34	09/28/22 15:34	1
Diethyl phthalate	ND		0.34	0.092	mg/Kg	☼	09/27/22 07:34	09/28/22 15:34	1
4-Chlorophenyl phenyl ether	ND		0.34	0.095	mg/Kg	☼	09/27/22 07:34	09/28/22 15:34	1
Fluorene	ND		0.34	0.094	mg/Kg	☼	09/27/22 07:34	09/28/22 15:34	1
4-Nitroaniline	ND		1.6	0.090	mg/Kg	☼	09/27/22 07:34	09/28/22 15:34	1
2-Methyl-4,6-dinitrophenol	ND		1.6	0.083	mg/Kg	☼	09/27/22 07:34	09/28/22 15:34	1
N-Nitrosodiphenylamine	ND		0.34	0.088	mg/Kg	☼	09/27/22 07:34	09/28/22 15:34	1
4-Bromophenyl phenyl ether	ND		0.34	0.087	mg/Kg	☼	09/27/22 07:34	09/28/22 15:34	1
Hexachlorobenzene	ND		0.34	0.091	mg/Kg	☼	09/27/22 07:34	09/28/22 15:34	1
Pentachlorophenol	ND		1.6	0.052	mg/Kg	☼	09/27/22 07:34	09/28/22 15:34	1
Phenanthrene	ND		0.34	0.096	mg/Kg	☼	09/27/22 07:34	09/28/22 15:34	1
Anthracene	ND		0.34	0.088	mg/Kg	☼	09/27/22 07:34	09/28/22 15:34	1
Di-n-butyl phthalate	ND		0.34	0.099	mg/Kg	☼	09/27/22 07:34	09/28/22 15:34	1
Fluoranthene	ND		0.34	0.097	mg/Kg	☼	09/27/22 07:34	09/28/22 15:34	1
Pyrene	ND		0.34	0.096	mg/Kg	☼	09/27/22 07:34	09/28/22 15:34	1
Butyl benzyl phthalate	ND		0.34	0.097	mg/Kg	☼	09/27/22 07:34	09/28/22 15:34	1
3,3'-Dichlorobenzidine	ND		1.6	0.096	mg/Kg	☼	09/27/22 07:34	09/28/22 15:34	1
Benzo[a]anthracene	ND		0.34	0.094	mg/Kg	☼	09/27/22 07:34	09/28/22 15:34	1
Bis(2-ethylhexyl) phthalate	ND		0.34	0.10	mg/Kg	☼	09/27/22 07:34	09/28/22 15:34	1
Chrysene	ND		0.34	0.086	mg/Kg	☼	09/27/22 07:34	09/28/22 15:34	1
Di-n-octyl phthalate	ND		0.34	0.099	mg/Kg	☼	09/27/22 07:34	09/28/22 15:34	1
Benzo[b]fluoranthene	ND		0.34	0.097	mg/Kg	☼	09/27/22 07:34	09/28/22 15:34	1
Benzo[a]pyrene	ND		0.34	0.096	mg/Kg	☼	09/27/22 07:34	09/28/22 15:34	1
Benzo[k]fluoranthene	ND		0.34	0.12	mg/Kg	☼	09/27/22 07:34	09/28/22 15:34	1
Indeno[1,2,3-cd]pyrene	ND		0.34	0.098	mg/Kg	☼	09/27/22 07:34	09/28/22 15:34	1
Benzo[g,h,i]perylene	ND		0.34	0.11	mg/Kg	☼	09/27/22 07:34	09/28/22 15:34	1
Benzoic acid	ND		1.6	0.30	mg/Kg	☼	09/27/22 07:34	09/28/22 15:34	1
Azobenzene	ND		0.34	0.094	mg/Kg	☼	09/27/22 07:34	09/28/22 15:34	1
Dibenz(a,h)anthracene	ND		0.34	0.10	mg/Kg	☼	09/27/22 07:34	09/28/22 15:34	1
Pyridine	ND		0.68	0.074	mg/Kg	☼	09/27/22 07:34	09/28/22 15:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*66*		*54 - 114*	*09/27/22 07:34*	*09/28/22 15:34*	*1*
Terphenyl-d14	*92*		*66 - 126*	*09/27/22 07:34*	*09/28/22 15:34*	*1*
2-Fluorophenol	*72*		*53 - 113*	*09/27/22 07:34*	*09/28/22 15:34*	*1*
Phenol-d5	*75*		*54 - 114*	*09/27/22 07:34*	*09/28/22 15:34*	*1*
2,4,6-Tribromophenol	*99*		*60 - 120*	*09/27/22 07:34*	*09/28/22 15:34*	*1*

Method: EPA 8015C - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	1.1	B	1.0	0.51	mg/Kg	☼	09/27/22 07:45	09/29/22 02:00	1
Motor Oil Range Organics [C28-C40]	ND		5.1	3.8	mg/Kg	☼	09/27/22 07:45	09/29/22 02:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*66*		*51 - 111*	*09/27/22 07:45*	*09/29/22 02:00*	*1*

Client Sample ID: MHSSF-ENV-B@0.5'

Date Collected: 09/20/22 13:00
Date Received: 09/23/22 18:45

Lab Sample ID: 320-92432-2

Matrix: Solid
Percent Solids: 95.7

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.0017	0.00014	mg/Kg	☼	09/27/22 10:07	10/06/22 17:43	1
alpha-BHC	ND		0.0017	0.00016	mg/Kg	☼	09/27/22 10:07	10/06/22 17:43	1
beta-BHC	ND		0.0017	0.00022	mg/Kg	☼	09/27/22 10:07	10/06/22 17:43	1
gamma-BHC (Lindane)	ND		0.0017	0.00014	mg/Kg	☼	09/27/22 10:07	10/06/22 17:43	1
delta-BHC	ND		0.0017	0.00036	mg/Kg	☼	09/27/22 10:07	10/06/22 17:43	1
cis-Chlordane	ND		0.0017	0.00018	mg/Kg	☼	09/27/22 10:07	10/06/22 17:43	1
trans-Chlordane	ND		0.0017	0.00061	mg/Kg	☼	09/27/22 10:07	10/06/22 17:43	1
Chlordane (technical)	ND		0.020	0.0096	mg/Kg	☼	09/27/22 10:07	10/06/22 17:43	1
4,4'-DDD	ND		0.0017	0.00023	mg/Kg	☼	09/27/22 10:07	10/06/22 17:43	1
4,4'-DDE	ND		0.0017	0.00021	mg/Kg	☼	09/27/22 10:07	10/06/22 17:43	1
4,4'-DDT	ND		0.0017	0.00026	mg/Kg	☼	09/27/22 10:07	10/06/22 17:43	1
Dieldrin	ND		0.0017	0.00020	mg/Kg	☼	09/27/22 10:07	10/06/22 17:43	1
Endosulfan I	ND		0.0017	0.00018	mg/Kg	☼	09/27/22 10:07	10/06/22 17:43	1
Endosulfan II	ND		0.0017	0.00018	mg/Kg	☼	09/27/22 10:07	10/06/22 17:43	1
Endosulfan sulfate	ND		0.0017	0.00036	mg/Kg	☼	09/27/22 10:07	10/06/22 17:43	1
Endrin	ND		0.0017	0.00020	mg/Kg	☼	09/27/22 10:07	10/06/22 17:43	1
Endrin aldehyde	ND		0.0017	0.00058	mg/Kg	☼	09/27/22 10:07	10/06/22 17:43	1
Endrin ketone	ND		0.0017	0.00028	mg/Kg	☼	09/27/22 10:07	10/06/22 17:43	1
Heptachlor	ND		0.0017	0.00015	mg/Kg	☼	09/27/22 10:07	10/06/22 17:43	1
Heptachlor epoxide	ND		0.0017	0.00018	mg/Kg	☼	09/27/22 10:07	10/06/22 17:43	1
Methoxychlor	ND		0.0035	0.00057	mg/Kg	☼	09/27/22 10:07	10/06/22 17:43	1
Toxaphene	ND		0.068	0.023	mg/Kg	☼	09/27/22 10:07	10/06/22 17:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*69*		*46 - 109*	*09/27/22 10:07*	*10/06/22 17:43*	*1*
DCB Decachlorobiphenyl	*77*		*46 - 109*	*09/27/22 10:07*	*10/06/22 17:43*	*1*
Tetrachloro-m-xylene	*64*		*47 - 107*	*09/27/22 10:07*	*10/06/22 17:43*	*1*
Tetrachloro-m-xylene	*59*		*47 - 107*	*09/27/22 10:07*	*10/06/22 17:43*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		34	2.6	ug/Kg	☼	09/27/22 10:56	10/04/22 18:35	1
PCB-1221	ND		34	3.7	ug/Kg	☼	09/27/22 10:56	10/04/22 18:35	1
PCB-1232	ND		34	4.9	ug/Kg	☼	09/27/22 10:56	10/04/22 18:35	1
PCB-1242	ND		34	6.0	ug/Kg	☼	09/27/22 10:56	10/04/22 18:35	1
PCB-1248	ND		34	2.5	ug/Kg	☼	09/27/22 10:56	10/04/22 18:35	1
PCB-1254	ND		34	3.9	ug/Kg	☼	09/27/22 10:56	10/04/22 18:35	1
PCB-1260	ND		34	2.8	ug/Kg	☼	09/27/22 10:56	10/04/22 18:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*116*		*52 - 138*	*09/27/22 10:56*	*10/04/22 18:35*	*1*

Method: SW846 7199 - Chromium, Hexavalent (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	ND		0.41	0.20	mg/Kg	☼	09/29/22 02:00	09/29/22 08:59	10

Method: SW846 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**5.3**		2.0	0.94	mg/Kg	☼	09/26/22 16:00	09/27/22 14:03	1
Arsenic	**1.8**	**J**	2.0	1.3	mg/Kg	☼	09/26/22 16:00	09/27/22 14:03	1
Barium	**11**		1.0	0.12	mg/Kg	☼	09/26/22 16:00	09/27/22 14:03	1

Client Sample ID: MHSSF-ENV-B@0.5'

Lab Sample ID: 320-92432-2
Date Collected: 09/20/22 13:00
Matrix: Solid
Date Received: 09/23/22 18:45
Percent Solids: 95.7

Method: SW846 6010B - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.12	J	0.20	0.030	mg/Kg	☼	09/26/22 16:00	09/27/22 14:03	1
Cadmium	0.032	J	0.20	0.030	mg/Kg	☼	09/26/22 16:00	09/27/22 14:03	1
Chromium	11		0.50	0.14	mg/Kg	☼	09/26/22 16:00	09/27/22 14:03	1
Cobalt	1.3		0.50	0.25	mg/Kg	☼	09/26/22 16:00	09/27/22 14:03	1
Copper	2.4		1.5	0.22	mg/Kg	☼	09/26/22 16:00	09/27/22 14:03	1
Lead	1.7		1.0	0.26	mg/Kg	☼	09/26/22 16:00	09/27/22 14:03	1
Molybdenum	ND		2.0	0.75	mg/Kg	☼	09/26/22 16:00	09/27/22 14:03	1
Nickel	7.4		1.0	0.24	mg/Kg	☼	09/26/22 16:00	09/27/22 14:03	1
Selenium	ND		2.0	1.4	mg/Kg	☼	09/26/22 16:00	09/27/22 14:03	1
Silver	ND		0.50	0.090	mg/Kg	☼	09/26/22 16:00	09/27/22 14:03	1
Thallium	ND		2.0	0.84	mg/Kg	☼	09/26/22 16:00	09/27/22 14:03	1
Vanadium	8.0		0.50	0.19	mg/Kg	☼	09/26/22 16:00	09/27/22 14:03	1
Zinc	7.3		2.0	0.19	mg/Kg	☼	09/26/22 16:00	09/27/22 14:03	1

Method: SW846 6010B - Metals (ICP) - STLC Citrate

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.052	J B	0.10	0.012	mg/L			10/03/22 13:02	10
Arsenic	ND		0.20	0.12	mg/L			10/03/22 13:02	10
Chromium	0.072	J	0.10	0.0060	mg/L			10/03/22 13:02	10

Method: SW846 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.042	0.0084	mg/Kg	☼	09/29/22 12:49	09/29/22 16:14	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (ASTM D 2216)	4.3		0.1	0.1	%			09/26/22 15:18	1

Client Sample ID: MHSSF-ENV-C@0.5'

Lab Sample ID: 320-92432-3
Date Collected: 09/20/22 15:00
Matrix: Solid
Date Received: 09/23/22 18:45
Percent Solids: 98.4

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.010	0.00060	mg/Kg	☼	09/26/22 11:12	09/28/22 16:32	1
Acetone	ND		0.020	0.0014	mg/Kg	☼	09/26/22 11:12	09/28/22 16:32	1
Benzene	ND		0.0050	0.00026	mg/Kg	☼	09/26/22 11:12	09/28/22 16:32	1
Dichlorobromomethane	ND		0.0050	0.00053	mg/Kg	☼	09/26/22 11:12	09/28/22 16:32	1
Bromobenzene	ND		0.0050	0.00052	mg/Kg	☼	09/26/22 11:12	09/28/22 16:32	1
Chlorobromomethane	ND		0.0050	0.00094	mg/Kg	☼	09/26/22 11:12	09/28/22 16:32	1
Bromoform	ND		0.0050	0.00040	mg/Kg	☼	09/26/22 11:12	09/28/22 16:32	1
Bromomethane	ND		0.0050	0.00086	mg/Kg	☼	09/26/22 11:12	09/28/22 16:32	1
2-Butanone (MEK)	ND		0.010	0.0014	mg/Kg	☼	09/26/22 11:12	09/28/22 16:32	1
n-Butylbenzene	ND		0.0050	0.00066	mg/Kg	☼	09/26/22 11:12	09/28/22 16:32	1
sec-Butylbenzene	ND		0.0050	0.00075	mg/Kg	☼	09/26/22 11:12	09/28/22 16:32	1
tert-Butylbenzene	ND		0.0050	0.00054	mg/Kg	☼	09/26/22 11:12	09/28/22 16:32	1
Carbon disulfide	ND		0.010	0.00049	mg/Kg	☼	09/26/22 11:12	09/28/22 16:32	1
Carbon tetrachloride	ND		0.0050	0.00053	mg/Kg	☼	09/26/22 11:12	09/28/22 16:32	1
Chlorobenzene	ND		0.0050	0.00029	mg/Kg	☼	09/26/22 11:12	09/28/22 16:32	1
Chloroethane	ND		0.0050	0.00045	mg/Kg	☼	09/26/22 11:12	09/28/22 16:32	1
Chloroform	ND		0.0050	0.00026	mg/Kg	☼	09/26/22 11:12	09/28/22 16:32	1

Client: Cleary Consultants, Inc
Project/Site: Mzrina High School

Job ID: 320-92432-1

Client Sample ID: MHSSF-ENV-C@0.5'
Date Collected: 09/20/22 15:00
Date Received: 09/23/22 18:45

Lab Sample ID: 320-92432-3
Matrix: Solid
Percent Solids: 98.4

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		0.0050	0.00050	mg/Kg	☼	09/26/22 11:12	09/28/22 16:32	1
2-Chlorotoluene	ND		0.0050	0.00062	mg/Kg	☼	09/26/22 11:12	09/28/22 16:32	1
4-Chlorotoluene	ND		0.0050	0.00086	mg/Kg	☼	09/26/22 11:12	09/28/22 16:32	1
Chlorodibromomethane	ND		0.0050	0.00021	mg/Kg	☼	09/26/22 11:12	09/28/22 16:32	1
1,2-Dichlorobenzene	ND		0.0050	0.00064	mg/Kg	☼	09/26/22 11:12	09/28/22 16:32	1
1,3-Dichlorobenzene	ND		0.0050	0.00030	mg/Kg	☼	09/26/22 11:12	09/28/22 16:32	1
1,4-Dichlorobenzene	ND		0.0050	0.00078	mg/Kg	☼	09/26/22 11:12	09/28/22 16:32	1
1,3-Dichloropropane	ND		0.0050	0.00057	mg/Kg	☼	09/26/22 11:12	09/28/22 16:32	1
1,1-Dichloropropene	ND		0.0050	0.00037	mg/Kg	☼	09/26/22 11:12	09/28/22 16:32	1
1,2-Dibromo-3-Chloropropane	ND		0.010	0.00088	mg/Kg	☼	09/26/22 11:12	09/28/22 16:32	1
Ethylene Dibromide	ND		0.010	0.00027	mg/Kg	☼	09/26/22 11:12	09/28/22 16:32	1
Dibromomethane	ND		0.0050	0.00058	mg/Kg	☼	09/26/22 11:12	09/28/22 16:32	1
Dichlorodifluoromethane	ND		0.0050	0.00089	mg/Kg	☼	09/26/22 11:12	09/28/22 16:32	1
1,1-Dichloroethane	ND		0.0050	0.00029	mg/Kg	☼	09/26/22 11:12	09/28/22 16:32	1
1,2-Dichloroethane	ND		0.0050	0.00073	mg/Kg	☼	09/26/22 11:12	09/28/22 16:32	1
1,1-Dichloroethene	ND		0.0050	0.00026	mg/Kg	☼	09/26/22 11:12	09/28/22 16:32	1
cis-1,2-Dichloroethene	ND		0.0050	0.00089	mg/Kg	☼	09/26/22 11:12	09/28/22 16:32	1
trans-1,2-Dichloroethene	ND		0.0050	0.00038	mg/Kg	☼	09/26/22 11:12	09/28/22 16:32	1
1,2-Dichloropropane	ND		0.0050	0.00060	mg/Kg	☼	09/26/22 11:12	09/28/22 16:32	1
cis-1,3-Dichloropropene	ND		0.0050	0.00064	mg/Kg	☼	09/26/22 11:12	09/28/22 16:32	1
trans-1,3-Dichloropropene	ND		0.0050	0.00075	mg/Kg	☼	09/26/22 11:12	09/28/22 16:32	1
Ethylbenzene	ND		0.0050	0.00034	mg/Kg	☼	09/26/22 11:12	09/28/22 16:32	1
Hexachlorobutadiene	ND		0.0050	0.00033	mg/Kg	☼	09/26/22 11:12	09/28/22 16:32	1
2-Hexanone	ND		0.010	0.00074	mg/Kg	☼	09/26/22 11:12	09/28/22 16:32	1
Isopropylbenzene	ND		0.0050	0.00052	mg/Kg	☼	09/26/22 11:12	09/28/22 16:32	1
4-Isopropyltoluene	ND		0.0050	0.00063	mg/Kg	☼	09/26/22 11:12	09/28/22 16:32	1
Methylene Chloride	ND		0.010	0.00084	mg/Kg	☼	09/26/22 11:12	09/28/22 16:32	1
4-Methyl-2-pentanone (MIBK)	ND		0.010	0.00092	mg/Kg	☼	09/26/22 11:12	09/28/22 16:32	1
Naphthalene	ND		0.0050	0.00063	mg/Kg	☼	09/26/22 11:12	09/28/22 16:32	1
N-Propylbenzene	ND		0.0050	0.00029	mg/Kg	☼	09/26/22 11:12	09/28/22 16:32	1
Styrene	ND		0.0050	0.00031	mg/Kg	☼	09/26/22 11:12	09/28/22 16:32	1
1,1,1,2-Tetrachloroethane	ND		0.0050	0.00041	mg/Kg	☼	09/26/22 11:12	09/28/22 16:32	1
1,1,2,2-Tetrachloroethane	ND		0.0050	0.00068	mg/Kg	☼	09/26/22 11:12	09/28/22 16:32	1
Tetrachloroethene	ND		0.0050	0.00061	mg/Kg	☼	09/26/22 11:12	09/28/22 16:32	1
Toluene	ND		0.0050	0.00061	mg/Kg	☼	09/26/22 11:12	09/28/22 16:32	1
1,2,3-Trichlorobenzene	ND		0.0050	0.00075	mg/Kg	☼	09/26/22 11:12	09/28/22 16:32	1
1,2,4-Trichlorobenzene	ND		0.0050	0.00075	mg/Kg	☼	09/26/22 11:12	09/28/22 16:32	1
1,1,1-Trichloroethane	ND		0.0050	0.00036	mg/Kg	☼	09/26/22 11:12	09/28/22 16:32	1
1,1,2-Trichloroethane	ND		0.0050	0.00044	mg/Kg	☼	09/26/22 11:12	09/28/22 16:32	1
Trichloroethene	ND		0.0050	0.00060	mg/Kg	☼	09/26/22 11:12	09/28/22 16:32	1
Trichlorofluoromethane	ND		0.0050	0.00034	mg/Kg	☼	09/26/22 11:12	09/28/22 16:32	1
1,2,3-Trichloropropane	ND		0.0050	0.00076	mg/Kg	☼	09/26/22 11:12	09/28/22 16:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.010	0.00083	mg/Kg	☼	09/26/22 11:12	09/28/22 16:32	1
1,2,4-Trimethylbenzene	ND		0.0050	0.00051	mg/Kg	☼	09/26/22 11:12	09/28/22 16:32	1
1,3,5-Trimethylbenzene	ND		0.0050	0.00035	mg/Kg	☼	09/26/22 11:12	09/28/22 16:32	1
Vinyl acetate	ND		0.010	0.00069	mg/Kg	☼	09/26/22 11:12	09/28/22 16:32	1
Vinyl chloride	ND		0.0050	0.00036	mg/Kg	☼	09/26/22 11:12	09/28/22 16:32	1
Xylenes, Total	ND		0.0050	0.00081	mg/Kg	☼	09/26/22 11:12	09/28/22 16:32	1
2,2-Dichloropropane	ND		0.0050	0.00038	mg/Kg	☼	09/26/22 11:12	09/28/22 16:32	1

Client Sample ID: MHSSF-ENV-C@0.5'
Date Collected: 09/20/22 15:00
Date Received: 09/23/22 18:45

Lab Sample ID: 320-92432-3
Matrix: Solid
Percent Solids: 98.4

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C12)	ND		500	50	ug/Kg	☼	09/26/22 11:12	09/28/22 16:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*63 - 143*	*09/26/22 11:12*	*09/28/22 16:32*	*1*
Dibromofluoromethane (Surr)	*92*		*55 - 129*	*09/26/22 11:12*	*09/28/22 16:32*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*32 - 156*	*09/26/22 11:12*	*09/28/22 16:32*	*1*
Toluene-d8 (Surr)	*106*		*63 - 138*	*09/26/22 11:12*	*09/28/22 16:32*	*1*

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.33	0.084	mg/Kg	☼	09/27/22 07:34	09/28/22 15:59	1
Bis(2-chloroethyl)ether	ND		0.33	0.082	mg/Kg	☼	09/27/22 07:34	09/28/22 15:59	1
2-Chlorophenol	ND		0.33	0.089	mg/Kg	☼	09/27/22 07:34	09/28/22 15:59	1
1,3-Dichlorobenzene	ND		0.33	0.079	mg/Kg	☼	09/27/22 07:34	09/28/22 15:59	1
1,4-Dichlorobenzene	ND		0.33	0.078	mg/Kg	☼	09/27/22 07:34	09/28/22 15:59	1
Benzyl alcohol	ND		0.33	0.17	mg/Kg	☼	09/27/22 07:34	09/28/22 15:59	1
1,2-Dichlorobenzene	ND		0.33	0.076	mg/Kg	☼	09/27/22 07:34	09/28/22 15:59	1
2-Methylphenol	ND		0.33	0.059	mg/Kg	☼	09/27/22 07:34	09/28/22 15:59	1
N-Nitrosodi-n-propylamine	ND		0.33	0.085	mg/Kg	☼	09/27/22 07:34	09/28/22 15:59	1
Hexachloroethane	ND		0.33	0.082	mg/Kg	☼	09/27/22 07:34	09/28/22 15:59	1
Nitrobenzene	ND		0.33	0.077	mg/Kg	☼	09/27/22 07:34	09/28/22 15:59	1
Isophorone	ND		0.33	0.094	mg/Kg	☼	09/27/22 07:34	09/28/22 15:59	1
2-Nitrophenol	ND		0.33	0.083	mg/Kg	☼	09/27/22 07:34	09/28/22 15:59	1
2,4-Dimethylphenol	ND		0.33	0.17	mg/Kg	☼	09/27/22 07:34	09/28/22 15:59	1
Bis(2-chloroethoxy)methane	ND		0.33	0.089	mg/Kg	☼	09/27/22 07:34	09/28/22 15:59	1
2,4-Dichlorophenol	ND		0.33	0.090	mg/Kg	☼	09/27/22 07:34	09/28/22 15:59	1
1,2,4-Trichlorobenzene	ND		0.33	0.084	mg/Kg	☼	09/27/22 07:34	09/28/22 15:59	1
Naphthalene	ND		0.33	0.083	mg/Kg	☼	09/27/22 07:34	09/28/22 15:59	1
4-Chloroaniline	ND		0.33	0.059	mg/Kg	☼	09/27/22 07:34	09/28/22 15:59	1
Hexachlorobutadiene	ND		0.33	0.083	mg/Kg	☼	09/27/22 07:34	09/28/22 15:59	1
4-Chloro-3-methylphenol	ND		0.33	0.093	mg/Kg	☼	09/27/22 07:34	09/28/22 15:59	1
2-Methylnaphthalene	ND		0.33	0.086	mg/Kg	☼	09/27/22 07:34	09/28/22 15:59	1
Hexachlorocyclopentadiene	ND		1.6	0.063	mg/Kg	☼	09/27/22 07:34	09/28/22 15:59	1
2,4,6-Trichlorophenol	ND		0.33	0.085	mg/Kg	☼	09/27/22 07:34	09/28/22 15:59	1
2,4,5-Trichlorophenol	ND		0.33	0.084	mg/Kg	☼	09/27/22 07:34	09/28/22 15:59	1
2-Chloronaphthalene	ND		0.33	0.082	mg/Kg	☼	09/27/22 07:34	09/28/22 15:59	1
2-Nitroaniline	ND		1.6	0.085	mg/Kg	☼	09/27/22 07:34	09/28/22 15:59	1
Dimethyl phthalate	ND		0.33	0.088	mg/Kg	☼	09/27/22 07:34	09/28/22 15:59	1
Acenaphthylene	ND		0.33	0.086	mg/Kg	☼	09/27/22 07:34	09/28/22 15:59	1
3-Nitroaniline	ND		1.6	0.17	mg/Kg	☼	09/27/22 07:34	09/28/22 15:59	1
3-Methylphenol & 4-Methylphenol	ND		0.67	0.33	mg/Kg	☼	09/27/22 07:34	09/28/22 15:59	1
Acenaphthene	ND		0.33	0.084	mg/Kg	☼	09/27/22 07:34	09/28/22 15:59	1
2,4-Dinitrophenol	ND	*+	1.6	0.22	mg/Kg	☼	09/27/22 07:34	09/28/22 15:59	1
4-Nitrophenol	ND		1.6	0.28	mg/Kg	☼	09/27/22 07:34	09/28/22 15:59	1
Dibenzofuran	ND		0.33	0.087	mg/Kg	☼	09/27/22 07:34	09/28/22 15:59	1
2,4-Dinitrotoluene	ND		0.33	0.090	mg/Kg	☼	09/27/22 07:34	09/28/22 15:59	1
2,6-Dinitrotoluene	ND		0.33	0.10	mg/Kg	☼	09/27/22 07:34	09/28/22 15:59	1
Diethyl phthalate	ND		0.33	0.091	mg/Kg	☼	09/27/22 07:34	09/28/22 15:59	1
4-Chlorophenyl phenyl ether	ND		0.33	0.094	mg/Kg	☼	09/27/22 07:34	09/28/22 15:59	1
Fluorene	ND		0.33	0.093	mg/Kg	☼	09/27/22 07:34	09/28/22 15:59	1

Client Sample ID: MHSSF-ENV-C@0.5'
Date Collected: 09/20/22 15:00
Date Received: 09/23/22 18:45

Lab Sample ID: 320-92432-3
Matrix: Solid
Percent Solids: 98.4

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitroaniline	ND		1.6	0.089	mg/Kg	☼	09/27/22 07:34	09/28/22 15:59	1
2-Methyl-4,6-dinitrophenol	ND		1.6	0.082	mg/Kg	☼	09/27/22 07:34	09/28/22 15:59	1
N-Nitrosodiphenylamine	ND		0.33	0.087	mg/Kg	☼	09/27/22 07:34	09/28/22 15:59	1
4-Bromophenyl phenyl ether	ND		0.33	0.086	mg/Kg	☼	09/27/22 07:34	09/28/22 15:59	1
Hexachlorobenzene	ND		0.33	0.090	mg/Kg	☼	09/27/22 07:34	09/28/22 15:59	1
Pentachlorophenol	ND		1.6	0.052	mg/Kg	☼	09/27/22 07:34	09/28/22 15:59	1
Phenanthrene	ND		0.33	0.095	mg/Kg	☼	09/27/22 07:34	09/28/22 15:59	1
Anthracene	ND		0.33	0.087	mg/Kg	☼	09/27/22 07:34	09/28/22 15:59	1
Di-n-butyl phthalate	ND		0.33	0.098	mg/Kg	☼	09/27/22 07:34	09/28/22 15:59	1
Fluoranthene	ND		0.33	0.096	mg/Kg	☼	09/27/22 07:34	09/28/22 15:59	1
Pyrene	ND		0.33	0.095	mg/Kg	☼	09/27/22 07:34	09/28/22 15:59	1
Butyl benzyl phthalate	ND		0.33	0.096	mg/Kg	☼	09/27/22 07:34	09/28/22 15:59	1
3,3'-Dichlorobenzidine	ND		1.6	0.095	mg/Kg	☼	09/27/22 07:34	09/28/22 15:59	1
Benzo[a]anthracene	ND		0.33	0.093	mg/Kg	☼	09/27/22 07:34	09/28/22 15:59	1
Bis(2-ethylhexyl) phthalate	ND		0.33	0.099	mg/Kg	☼	09/27/22 07:34	09/28/22 15:59	1
Chrysene	ND		0.33	0.085	mg/Kg	☼	09/27/22 07:34	09/28/22 15:59	1
Di-n-octyl phthalate	ND		0.33	0.098	mg/Kg	☼	09/27/22 07:34	09/28/22 15:59	1
Benzo[b]fluoranthene	ND		0.33	0.096	mg/Kg	☼	09/27/22 07:34	09/28/22 15:59	1
Benzo[a]pyrene	ND		0.33	0.095	mg/Kg	☼	09/27/22 07:34	09/28/22 15:59	1
Benzo[k]fluoranthene	ND		0.33	0.11	mg/Kg	☼	09/27/22 07:34	09/28/22 15:59	1
Indeno[1,2,3-cd]pyrene	ND		0.33	0.097	mg/Kg	☼	09/27/22 07:34	09/28/22 15:59	1
Benzo[g,h,i]perylene	ND		0.33	0.11	mg/Kg	☼	09/27/22 07:34	09/28/22 15:59	1
Benzoic acid	ND		1.6	0.29	mg/Kg	☼	09/27/22 07:34	09/28/22 15:59	1
Azobenzene	ND		0.33	0.093	mg/Kg	☼	09/27/22 07:34	09/28/22 15:59	1
Dibenz(a,h)anthracene	ND		0.33	0.10	mg/Kg	☼	09/27/22 07:34	09/28/22 15:59	1
Pyridine	ND		0.67	0.073	mg/Kg	☼	09/27/22 07:34	09/28/22 15:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*75*		*54 - 114*	*09/27/22 07:34*	*09/28/22 15:59*	*1*
Terphenyl-d14	*90*		*66 - 126*	*09/27/22 07:34*	*09/28/22 15:59*	*1*
2-Fluorophenol	*80*		*53 - 113*	*09/27/22 07:34*	*09/28/22 15:59*	*1*
Phenol-d5	*78*		*54 - 114*	*09/27/22 07:34*	*09/28/22 15:59*	*1*
2,4,6-Tribromophenol	*97*		*60 - 120*	*09/27/22 07:34*	*09/28/22 15:59*	*1*

Method: EPA 8015C - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	1.1	B	1.0	0.50	mg/Kg	☼	09/27/22 07:45	09/29/22 02:28	1
Motor Oil Range Organics [C28-C40]	ND		5.0	3.8	mg/Kg	☼	09/27/22 07:45	09/29/22 02:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*66*		*51 - 111*	*09/27/22 07:45*	*09/29/22 02:28*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.0016	0.00013	mg/Kg	☼	09/27/22 10:07	10/06/22 18:02	1
alpha-BHC	ND		0.0016	0.00015	mg/Kg	☼	09/27/22 10:07	10/06/22 18:02	1
beta-BHC	ND		0.0016	0.00021	mg/Kg	☼	09/27/22 10:07	10/06/22 18:02	1
gamma-BHC (Lindane)	ND		0.0016	0.00013	mg/Kg	☼	09/27/22 10:07	10/06/22 18:02	1
delta-BHC	ND		0.0016	0.00034	mg/Kg	☼	09/27/22 10:07	10/06/22 18:02	1
cis-Chlordane	ND		0.0016	0.00017	mg/Kg	☼	09/27/22 10:07	10/06/22 18:02	1

Client Sample ID: MHSSF-ENV-C@0.5'

Date Collected: 09/20/22 15:00
Date Received: 09/23/22 18:45

Lab Sample ID: 320-92432-3

Matrix: Solid
Percent Solids: 98.4

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-Chlordane	ND		0.0016	0.00057	mg/Kg	☼	09/27/22 10:07	10/06/22 18:02	1
Chlordane (technical)	ND		0.019	0.0090	mg/Kg	☼	09/27/22 10:07	10/06/22 18:02	1
4,4'-DDD	ND		0.0016	0.00022	mg/Kg	☼	09/27/22 10:07	10/06/22 18:02	1
4,4'-DDE	ND		0.0016	0.00020	mg/Kg	☼	09/27/22 10:07	10/06/22 18:02	1
4,4'-DDT	ND		0.0016	0.00024	mg/Kg	☼	09/27/22 10:07	10/06/22 18:02	1
Dieldrin	ND		0.0016	0.00019	mg/Kg	☼	09/27/22 10:07	10/06/22 18:02	1
Endosulfan I	ND		0.0016	0.00017	mg/Kg	☼	09/27/22 10:07	10/06/22 18:02	1
Endosulfan II	ND		0.0016	0.00017	mg/Kg	☼	09/27/22 10:07	10/06/22 18:02	1
Endosulfan sulfate	ND		0.0016	0.00034	mg/Kg	☼	09/27/22 10:07	10/06/22 18:02	1
Endrin	ND		0.0016	0.00019	mg/Kg	☼	09/27/22 10:07	10/06/22 18:02	1
Endrin aldehyde	ND		0.0016	0.00055	mg/Kg	☼	09/27/22 10:07	10/06/22 18:02	1
Endrin ketone	ND		0.0016	0.00026	mg/Kg	☼	09/27/22 10:07	10/06/22 18:02	1
Heptachlor	ND		0.0016	0.00014	mg/Kg	☼	09/27/22 10:07	10/06/22 18:02	1
Heptachlor epoxide	ND		0.0016	0.00017	mg/Kg	☼	09/27/22 10:07	10/06/22 18:02	1
Methoxychlor	ND		0.0033	0.00054	mg/Kg	☼	09/27/22 10:07	10/06/22 18:02	1
Toxaphene	ND		0.064	0.021	mg/Kg	☼	09/27/22 10:07	10/06/22 18:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*70*		*46 - 109*	*09/27/22 10:07*	*10/06/22 18:02*	*1*
DCB Decachlorobiphenyl	*78*		*46 - 109*	*09/27/22 10:07*	*10/06/22 18:02*	*1*
Tetrachloro-m-xylene	*65*		*47 - 107*	*09/27/22 10:07*	*10/06/22 18:02*	*1*
Tetrachloro-m-xylene	*58*		*47 - 107*	*09/27/22 10:07*	*10/06/22 18:02*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		32	2.4	ug/Kg	☼	09/27/22 10:56	10/04/22 18:56	1
PCB-1221	ND		32	3.5	ug/Kg	☼	09/27/22 10:56	10/04/22 18:56	1
PCB-1232	ND		32	4.6	ug/Kg	☼	09/27/22 10:56	10/04/22 18:56	1
PCB-1242	ND		32	5.7	ug/Kg	☼	09/27/22 10:56	10/04/22 18:56	1
PCB-1248	ND		32	2.3	ug/Kg	☼	09/27/22 10:56	10/04/22 18:56	1
PCB-1254	ND		32	3.6	ug/Kg	☼	09/27/22 10:56	10/04/22 18:56	1
PCB-1260	ND		32	2.6	ug/Kg	☼	09/27/22 10:56	10/04/22 18:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*103*		*52 - 138*	*09/27/22 10:56*	*10/04/22 18:56*	*1*

Method: SW846 7199 - Chromium, Hexavalent (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	ND		0.41	0.20	mg/Kg	☼	09/29/22 02:00	09/29/22 09:09	10

Method: SW846 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**3.2**		2.0	0.95	mg/Kg	☼	09/26/22 16:00	09/27/22 14:06	1
Arsenic	**1.3**	**J**	2.0	1.3	mg/Kg	☼	09/26/22 16:00	09/27/22 14:06	1
Barium	**9.7**		1.0	0.12	mg/Kg	☼	09/26/22 16:00	09/27/22 14:06	1
Beryllium	**0.10**	**J**	0.20	0.030	mg/Kg	☼	09/26/22 16:00	09/27/22 14:06	1
Cadmium	**0.059**	**J**	0.20	0.030	mg/Kg	☼	09/26/22 16:00	09/27/22 14:06	1
Chromium	**6.7**		0.50	0.14	mg/Kg	☼	09/26/22 16:00	09/27/22 14:06	1
Cobalt	**0.96**		0.50	0.25	mg/Kg	☼	09/26/22 16:00	09/27/22 14:06	1
Copper	**2.0**		1.5	0.22	mg/Kg	☼	09/26/22 16:00	09/27/22 14:06	1
Lead	**2.2**		1.0	0.26	mg/Kg	☼	09/26/22 16:00	09/27/22 14:06	1

Client Sample ID: MHSSF-ENV-C@0.5'

Lab Sample ID: 320-92432-3
Date Collected: 09/20/22 15:00
Matrix: Solid
Date Received: 09/23/22 18:45
Percent Solids: 98.4

Method: SW846 6010B - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	ND		2.0	0.75	mg/Kg	☼	09/26/22 16:00	09/27/22 14:06	1
Nickel	6.0		1.0	0.24	mg/Kg	☼	09/26/22 16:00	09/27/22 14:06	1
Selenium	ND		2.0	1.4	mg/Kg	☼	09/26/22 16:00	09/27/22 14:06	1
Silver	ND		0.50	0.091	mg/Kg	☼	09/26/22 16:00	09/27/22 14:06	1
Thallium	ND		2.0	0.84	mg/Kg	☼	09/26/22 16:00	09/27/22 14:06	1
Vanadium	5.1		0.50	0.19	mg/Kg	☼	09/26/22 16:00	09/27/22 14:06	1
Zinc	5.3		2.0	0.19	mg/Kg	☼	09/26/22 16:00	09/27/22 14:06	1

Method: SW846 6010B - Metals (ICP) - STLC Citrate

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.081	J B	0.10	0.012	mg/L			10/03/22 13:06	10
Arsenic	ND		0.20	0.12	mg/L			10/03/22 13:06	10
Chromium	0.037	J	0.10	0.0060	mg/L			10/03/22 13:06	10

Method: SW846 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.038	0.0076	mg/Kg	☼	09/29/22 12:49	09/29/22 16:16	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (ASTM D 2216)	1.6		0.1	0.1	%			09/26/22 15:18	1

Client Sample ID: MHSSF-ENV-D@0.5'

Lab Sample ID: 320-92432-4
Date Collected: 09/21/22 09:30
Matrix: Solid
Date Received: 09/23/22 18:45
Percent Solids: 95.2

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.010	0.00063	mg/Kg	☼	09/26/22 11:12	09/28/22 16:54	1
Acetone	ND		0.021	0.0015	mg/Kg	☼	09/26/22 11:12	09/28/22 16:54	1
Benzene	ND		0.0052	0.00027	mg/Kg	☼	09/26/22 11:12	09/28/22 16:54	1
Dichlorobromomethane	ND		0.0052	0.00055	mg/Kg	☼	09/26/22 11:12	09/28/22 16:54	1
Bromobenzene	ND		0.0052	0.00054	mg/Kg	☼	09/26/22 11:12	09/28/22 16:54	1
Chlorobromomethane	ND		0.0052	0.00098	mg/Kg	☼	09/26/22 11:12	09/28/22 16:54	1
Bromoform	ND		0.0052	0.00042	mg/Kg	☼	09/26/22 11:12	09/28/22 16:54	1
Bromomethane	ND		0.0052	0.00090	mg/Kg	☼	09/26/22 11:12	09/28/22 16:54	1
2-Butanone (MEK)	ND		0.010	0.0015	mg/Kg	☼	09/26/22 11:12	09/28/22 16:54	1
n-Butylbenzene	ND		0.0052	0.00069	mg/Kg	☼	09/26/22 11:12	09/28/22 16:54	1
sec-Butylbenzene	ND		0.0052	0.00078	mg/Kg	☼	09/26/22 11:12	09/28/22 16:54	1
tert-Butylbenzene	ND		0.0052	0.00056	mg/Kg	☼	09/26/22 11:12	09/28/22 16:54	1
Carbon disulfide	ND		0.010	0.00051	mg/Kg	☼	09/26/22 11:12	09/28/22 16:54	1
Carbon tetrachloride	ND		0.0052	0.00055	mg/Kg	☼	09/26/22 11:12	09/28/22 16:54	1
Chlorobenzene	ND		0.0052	0.00030	mg/Kg	☼	09/26/22 11:12	09/28/22 16:54	1
Chloroethane	ND		0.0052	0.00047	mg/Kg	☼	09/26/22 11:12	09/28/22 16:54	1
Chloroform	ND		0.0052	0.00027	mg/Kg	☼	09/26/22 11:12	09/28/22 16:54	1
Chloromethane	ND		0.0052	0.00052	mg/Kg	☼	09/26/22 11:12	09/28/22 16:54	1
2-Chlorotoluene	ND		0.0052	0.00065	mg/Kg	☼	09/26/22 11:12	09/28/22 16:54	1
4-Chlorotoluene	ND		0.0052	0.00090	mg/Kg	☼	09/26/22 11:12	09/28/22 16:54	1
Chlorodibromomethane	ND		0.0052	0.00022	mg/Kg	☼	09/26/22 11:12	09/28/22 16:54	1
1,2-Dichlorobenzene	ND		0.0052	0.00067	mg/Kg	☼	09/26/22 11:12	09/28/22 16:54	1
1,3-Dichlorobenzene	ND		0.0052	0.00031	mg/Kg	☼	09/26/22 11:12	09/28/22 16:54	1

Client: Cleary Consultants, Inc
Project/Site: Mzrina High School

Job ID: 320-92432-1

Client Sample ID: MHSSF-ENV-D@0.5'
Date Collected: 09/21/22 09:30
Date Received: 09/23/22 18:45

Lab Sample ID: 320-92432-4
Matrix: Solid
Percent Solids: 95.2

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.0052	0.00081	mg/Kg	☼	09/26/22 11:12	09/28/22 16:54	1
1,3-Dichloropropane	ND		0.0052	0.00060	mg/Kg	☼	09/26/22 11:12	09/28/22 16:54	1
1,1-Dichloropropene	ND		0.0052	0.00039	mg/Kg	☼	09/26/22 11:12	09/28/22 16:54	1
1,2-Dibromo-3-Chloropropane	ND		0.010	0.00092	mg/Kg	☼	09/26/22 11:12	09/28/22 16:54	1
Ethylene Dibromide	ND		0.010	0.00028	mg/Kg	☼	09/26/22 11:12	09/28/22 16:54	1
Dibromomethane	ND		0.0052	0.00061	mg/Kg	☼	09/26/22 11:12	09/28/22 16:54	1
Dichlorodifluoromethane	ND		0.0052	0.00093	mg/Kg	☼	09/26/22 11:12	09/28/22 16:54	1
1,1-Dichloroethane	ND		0.0052	0.00030	mg/Kg	☼	09/26/22 11:12	09/28/22 16:54	1
1,2-Dichloroethane	ND		0.0052	0.00076	mg/Kg	☼	09/26/22 11:12	09/28/22 16:54	1
1,1-Dichloroethene	ND		0.0052	0.00027	mg/Kg	☼	09/26/22 11:12	09/28/22 16:54	1
cis-1,2-Dichloroethene	ND		0.0052	0.00093	mg/Kg	☼	09/26/22 11:12	09/28/22 16:54	1
trans-1,2-Dichloroethene	ND		0.0052	0.00040	mg/Kg	☼	09/26/22 11:12	09/28/22 16:54	1
1,2-Dichloropropane	ND		0.0052	0.00063	mg/Kg	☼	09/26/22 11:12	09/28/22 16:54	1
cis-1,3-Dichloropropene	ND		0.0052	0.00067	mg/Kg	☼	09/26/22 11:12	09/28/22 16:54	1
trans-1,3-Dichloropropene	ND		0.0052	0.00078	mg/Kg	☼	09/26/22 11:12	09/28/22 16:54	1
Ethylbenzene	ND		0.0052	0.00036	mg/Kg	☼	09/26/22 11:12	09/28/22 16:54	1
Hexachlorobutadiene	ND		0.0052	0.00034	mg/Kg	☼	09/26/22 11:12	09/28/22 16:54	1
2-Hexanone	ND		0.010	0.00077	mg/Kg	☼	09/26/22 11:12	09/28/22 16:54	1
Isopropylbenzene	ND		0.0052	0.00054	mg/Kg	☼	09/26/22 11:12	09/28/22 16:54	1
4-Isopropyltoluene	ND		0.0052	0.00066	mg/Kg	☼	09/26/22 11:12	09/28/22 16:54	1
Methylene Chloride	ND		0.010	0.00088	mg/Kg	☼	09/26/22 11:12	09/28/22 16:54	1
4-Methyl-2-pentanone (MIBK)	ND		0.010	0.00096	mg/Kg	☼	09/26/22 11:12	09/28/22 16:54	1
Naphthalene	ND		0.0052	0.00066	mg/Kg	☼	09/26/22 11:12	09/28/22 16:54	1
N-Propylbenzene	ND		0.0052	0.00030	mg/Kg	☼	09/26/22 11:12	09/28/22 16:54	1
Styrene	ND		0.0052	0.00032	mg/Kg	☼	09/26/22 11:12	09/28/22 16:54	1
1,1,1,2-Tetrachloroethane	ND		0.0052	0.00043	mg/Kg	☼	09/26/22 11:12	09/28/22 16:54	1
1,1,2,2-Tetrachloroethane	ND		0.0052	0.00071	mg/Kg	☼	09/26/22 11:12	09/28/22 16:54	1
Tetrachloroethene	ND		0.0052	0.00064	mg/Kg	☼	09/26/22 11:12	09/28/22 16:54	1
Toluene	ND		0.0052	0.00064	mg/Kg	☼	09/26/22 11:12	09/28/22 16:54	1
1,2,3-Trichlorobenzene	ND		0.0052	0.00078	mg/Kg	☼	09/26/22 11:12	09/28/22 16:54	1
1,2,4-Trichlorobenzene	ND		0.0052	0.00078	mg/Kg	☼	09/26/22 11:12	09/28/22 16:54	1
1,1,1-Trichloroethane	ND		0.0052	0.00038	mg/Kg	☼	09/26/22 11:12	09/28/22 16:54	1
1,1,2-Trichloroethane	ND		0.0052	0.00046	mg/Kg	☼	09/26/22 11:12	09/28/22 16:54	1
Trichloroethene	ND		0.0052	0.00063	mg/Kg	☼	09/26/22 11:12	09/28/22 16:54	1
Trichlorofluoromethane	ND		0.0052	0.00036	mg/Kg	☼	09/26/22 11:12	09/28/22 16:54	1
1,2,3-Trichloropropane	ND		0.0052	0.00079	mg/Kg	☼	09/26/22 11:12	09/28/22 16:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.010	0.00087	mg/Kg	☼	09/26/22 11:12	09/28/22 16:54	1
1,2,4-Trimethylbenzene	ND		0.0052	0.00053	mg/Kg	☼	09/26/22 11:12	09/28/22 16:54	1
1,3,5-Trimethylbenzene	ND		0.0052	0.00037	mg/Kg	☼	09/26/22 11:12	09/28/22 16:54	1
Vinyl acetate	ND		0.010	0.00072	mg/Kg	☼	09/26/22 11:12	09/28/22 16:54	1
Vinyl chloride	ND		0.0052	0.00038	mg/Kg	☼	09/26/22 11:12	09/28/22 16:54	1
Xylenes, Total	ND		0.0052	0.00085	mg/Kg	☼	09/26/22 11:12	09/28/22 16:54	1
2,2-Dichloropropane	ND		0.0052	0.00040	mg/Kg	☼	09/26/22 11:12	09/28/22 16:54	1
Gasoline Range Organics (C4-C12)	ND		520	52	ug/Kg	☼	09/26/22 11:12	09/28/22 16:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*63 - 143*	*09/26/22 11:12*	*09/28/22 16:54*	*1*
Dibromofluoromethane (Surr)	*97*		*55 - 129*	*09/26/22 11:12*	*09/28/22 16:54*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*32 - 156*	*09/26/22 11:12*	*09/28/22 16:54*	*1*
Toluene-d8 (Surr)	*106*		*63 - 138*	*09/26/22 11:12*	*09/28/22 16:54*	*1*

Client: Cleary Consultants, Inc
Project/Site: Mzrina High School

Job ID: 320-92432-1

Client Sample ID: MHSSF-ENV-D@0.5'
Date Collected: 09/21/22 09:30
Date Received: 09/23/22 18:45

Lab Sample ID: 320-92432-4
Matrix: Solid
Percent Solids: 95.2

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		6.7	1.7	mg/Kg	☼	09/27/22 07:34	09/28/22 16:23	20
Bis(2-chloroethyl)ether	ND		6.7	1.7	mg/Kg	☼	09/27/22 07:34	09/28/22 16:23	20
2-Chlorophenol	ND		6.7	1.8	mg/Kg	☼	09/27/22 07:34	09/28/22 16:23	20
1,3-Dichlorobenzene	ND		6.7	1.6	mg/Kg	☼	09/27/22 07:34	09/28/22 16:23	20
1,4-Dichlorobenzene	ND		6.7	1.6	mg/Kg	☼	09/27/22 07:34	09/28/22 16:23	20
Benzyl alcohol	ND		6.7	3.5	mg/Kg	☼	09/27/22 07:34	09/28/22 16:23	20
1,2-Dichlorobenzene	ND		6.7	1.5	mg/Kg	☼	09/27/22 07:34	09/28/22 16:23	20
2-Methylphenol	ND		6.7	1.2	mg/Kg	☼	09/27/22 07:34	09/28/22 16:23	20
N-Nitrosodi-n-propylamine	ND		6.7	1.7	mg/Kg	☼	09/27/22 07:34	09/28/22 16:23	20
Hexachloroethane	ND		6.7	1.7	mg/Kg	☼	09/27/22 07:34	09/28/22 16:23	20
Nitrobenzene	ND		6.7	1.6	mg/Kg	☼	09/27/22 07:34	09/28/22 16:23	20
Isophorone	ND		6.7	1.9	mg/Kg	☼	09/27/22 07:34	09/28/22 16:23	20
2-Nitrophenol	ND		6.7	1.7	mg/Kg	☼	09/27/22 07:34	09/28/22 16:23	20
2,4-Dimethylphenol	ND		6.7	3.4	mg/Kg	☼	09/27/22 07:34	09/28/22 16:23	20
Bis(2-chloroethoxy)methane	ND		6.7	1.8	mg/Kg	☼	09/27/22 07:34	09/28/22 16:23	20
2,4-Dichlorophenol	ND		6.7	1.8	mg/Kg	☼	09/27/22 07:34	09/28/22 16:23	20
1,2,4-Trichlorobenzene	ND		6.7	1.7	mg/Kg	☼	09/27/22 07:34	09/28/22 16:23	20
Naphthalene	ND		6.7	1.7	mg/Kg	☼	09/27/22 07:34	09/28/22 16:23	20
4-Chloroaniline	ND		6.7	1.2	mg/Kg	☼	09/27/22 07:34	09/28/22 16:23	20
Hexachlorobutadiene	ND		6.7	1.7	mg/Kg	☼	09/27/22 07:34	09/28/22 16:23	20
4-Chloro-3-methylphenol	ND		6.7	1.9	mg/Kg	☼	09/27/22 07:34	09/28/22 16:23	20
2-Methylnaphthalene	ND		6.7	1.7	mg/Kg	☼	09/27/22 07:34	09/28/22 16:23	20
Hexachlorocyclopentadiene	ND		33	1.3	mg/Kg	☼	09/27/22 07:34	09/28/22 16:23	20
2,4,6-Trichlorophenol	ND		6.7	1.7	mg/Kg	☼	09/27/22 07:34	09/28/22 16:23	20
2,4,5-Trichlorophenol	ND		6.7	1.7	mg/Kg	☼	09/27/22 07:34	09/28/22 16:23	20
2-Chloronaphthalene	ND		6.7	1.7	mg/Kg	☼	09/27/22 07:34	09/28/22 16:23	20
2-Nitroaniline	ND		33	1.7	mg/Kg	☼	09/27/22 07:34	09/28/22 16:23	20
Dimethyl phthalate	ND		6.7	1.8	mg/Kg	☼	09/27/22 07:34	09/28/22 16:23	20
Acenaphthylene	ND		6.7	1.7	mg/Kg	☼	09/27/22 07:34	09/28/22 16:23	20
3-Nitroaniline	ND		33	3.4	mg/Kg	☼	09/27/22 07:34	09/28/22 16:23	20
3-Methylphenol & 4-Methylphenol	ND		13	6.7	mg/Kg	☼	09/27/22 07:34	09/28/22 16:23	20
Acenaphthene	ND		6.7	1.7	mg/Kg	☼	09/27/22 07:34	09/28/22 16:23	20
2,4-Dinitrophenol	ND	*+	33	4.4	mg/Kg	☼	09/27/22 07:34	09/28/22 16:23	20
4-Nitrophenol	ND		33	5.7	mg/Kg	☼	09/27/22 07:34	09/28/22 16:23	20
Dibenzofuran	ND		6.7	1.8	mg/Kg	☼	09/27/22 07:34	09/28/22 16:23	20
2,4-Dinitrotoluene	ND		6.7	1.8	mg/Kg	☼	09/27/22 07:34	09/28/22 16:23	20
2,6-Dinitrotoluene	ND		6.7	2.0	mg/Kg	☼	09/27/22 07:34	09/28/22 16:23	20
Diethyl phthalate	ND		6.7	1.8	mg/Kg	☼	09/27/22 07:34	09/28/22 16:23	20
4-Chlorophenyl phenyl ether	ND		6.7	1.9	mg/Kg	☼	09/27/22 07:34	09/28/22 16:23	20
Fluorene	ND		6.7	1.9	mg/Kg	☼	09/27/22 07:34	09/28/22 16:23	20
4-Nitroaniline	ND		33	1.8	mg/Kg	☼	09/27/22 07:34	09/28/22 16:23	20
2-Methyl-4,6-dinitrophenol	ND		33	1.7	mg/Kg	☼	09/27/22 07:34	09/28/22 16:23	20
N-Nitrosodiphenylamine	ND		6.7	1.8	mg/Kg	☼	09/27/22 07:34	09/28/22 16:23	20
4-Bromophenyl phenyl ether	ND		6.7	1.7	mg/Kg	☼	09/27/22 07:34	09/28/22 16:23	20
Hexachlorobenzene	ND		6.7	1.8	mg/Kg	☼	09/27/22 07:34	09/28/22 16:23	20
Pentachlorophenol	ND		33	1.0	mg/Kg	☼	09/27/22 07:34	09/28/22 16:23	20
Phenanthrene	ND		6.7	1.9	mg/Kg	☼	09/27/22 07:34	09/28/22 16:23	20
Anthracene	ND		6.7	1.8	mg/Kg	☼	09/27/22 07:34	09/28/22 16:23	20
Di-n-butyl phthalate	ND		6.7	2.0	mg/Kg	☼	09/27/22 07:34	09/28/22 16:23	20

Client Sample ID: MHSSF-ENV-D@0.5'
Date Collected: 09/21/22 09:30
Date Received: 09/23/22 18:45

Lab Sample ID: 320-92432-4
Matrix: Solid
Percent Solids: 95.2

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		6.7	1.9	mg/Kg	☼	09/27/22 07:34	09/28/22 16:23	20
Pyrene	ND		6.7	1.9	mg/Kg	☼	09/27/22 07:34	09/28/22 16:23	20
Butyl benzyl phthalate	ND		6.7	1.9	mg/Kg	☼	09/27/22 07:34	09/28/22 16:23	20
3,3'-Dichlorobenzidine	ND		33	1.9	mg/Kg	☼	09/27/22 07:34	09/28/22 16:23	20
Benzo[a]anthracene	ND		6.7	1.9	mg/Kg	☼	09/27/22 07:34	09/28/22 16:23	20
Bis(2-ethylhexyl) phthalate	ND		6.7	2.0	mg/Kg	☼	09/27/22 07:34	09/28/22 16:23	20
Chrysene	ND		6.7	1.7	mg/Kg	☼	09/27/22 07:34	09/28/22 16:23	20
Di-n-octyl phthalate	ND		6.7	2.0	mg/Kg	☼	09/27/22 07:34	09/28/22 16:23	20
Benzo[b]fluoranthene	ND		6.7	1.9	mg/Kg	☼	09/27/22 07:34	09/28/22 16:23	20
Benzo[a]pyrene	ND		6.7	1.9	mg/Kg	☼	09/27/22 07:34	09/28/22 16:23	20
Benzo[k]fluoranthene	ND		6.7	2.3	mg/Kg	☼	09/27/22 07:34	09/28/22 16:23	20
Indeno[1,2,3-cd]pyrene	ND		6.7	2.0	mg/Kg	☼	09/27/22 07:34	09/28/22 16:23	20
Benzo[g,h,i]perylene	ND		6.7	2.2	mg/Kg	☼	09/27/22 07:34	09/28/22 16:23	20
Benzoic acid	ND		33	5.9	mg/Kg	☼	09/27/22 07:34	09/28/22 16:23	20
Azobenzene	ND		6.7	1.9	mg/Kg	☼	09/27/22 07:34	09/28/22 16:23	20
Dibenz(a,h)anthracene	ND		6.7	2.1	mg/Kg	☼	09/27/22 07:34	09/28/22 16:23	20
Pyridine	ND		13	1.5	mg/Kg	☼	09/27/22 07:34	09/28/22 16:23	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*63*		*54 - 114*	*09/27/22 07:34*	*09/28/22 16:23*	*20*
Terphenyl-d14	*72*		*66 - 126*	*09/27/22 07:34*	*09/28/22 16:23*	*20*
2-Fluorophenol	*71*		*53 - 113*	*09/27/22 07:34*	*09/28/22 16:23*	*20*
Phenol-d5	*74*		*54 - 114*	*09/27/22 07:34*	*09/28/22 16:23*	*20*
2,4,6-Tribromophenol	*86*		*60 - 120*	*09/27/22 07:34*	*09/28/22 16:23*	*20*

Method: EPA 8015C - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**170**	**B**	110	53	mg/Kg	☼	09/27/22 07:45	09/29/22 02:57	100
Motor Oil Range Organics [C28-C40]	**550**		530	400	mg/Kg	☼	09/27/22 07:45	09/29/22 02:57	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*162*	*S1+*	*51 - 111*	*09/27/22 07:45*	*09/29/22 02:57*	*100*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.0034	0.00028	mg/Kg	☼	09/27/22 10:07	10/06/22 18:21	2
alpha-BHC	ND		0.0034	0.00032	mg/Kg	☼	09/27/22 10:07	10/06/22 18:21	2
beta-BHC	ND		0.0034	0.00045	mg/Kg	☼	09/27/22 10:07	10/06/22 18:21	2
gamma-BHC (Lindane)	ND		0.0034	0.00028	mg/Kg	☼	09/27/22 10:07	10/06/22 18:21	2
delta-BHC	ND		0.0034	0.00071	mg/Kg	☼	09/27/22 10:07	10/06/22 18:21	2
cis-Chlordane	ND		0.0034	0.00036	mg/Kg	☼	09/27/22 10:07	10/06/22 18:21	2
trans-Chlordane	ND		0.0034	0.0012	mg/Kg	☼	09/27/22 10:07	10/06/22 18:21	2
Chlordane (technical)	ND		0.040	0.019	mg/Kg	☼	09/27/22 10:07	10/06/22 18:21	2
4,4'-DDD	ND		0.0034	0.00047	mg/Kg	☼	09/27/22 10:07	10/06/22 18:21	2
4,4'-DDE	ND		0.0034	0.00043	mg/Kg	☼	09/27/22 10:07	10/06/22 18:21	2
4,4'-DDT	ND		0.0034	0.00051	mg/Kg	☼	09/27/22 10:07	10/06/22 18:21	2
Dieldrin	ND		0.0034	0.00040	mg/Kg	☼	09/27/22 10:07	10/06/22 18:21	2
Endosulfan I	ND		0.0034	0.00036	mg/Kg	☼	09/27/22 10:07	10/06/22 18:21	2
Endosulfan II	ND		0.0034	0.00036	mg/Kg	☼	09/27/22 10:07	10/06/22 18:21	2
Endosulfan sulfate	ND		0.0034	0.00071	mg/Kg	☼	09/27/22 10:07	10/06/22 18:21	2

Client: Cleary Consultants, Inc
Project/Site: Mzrina High School

Job ID: 320-92432-1

Client Sample ID: MHSSF-ENV-D@0.5'
Date Collected: 09/21/22 09:30
Date Received: 09/23/22 18:45

Lab Sample ID: 320-92432-4
Matrix: Solid
Percent Solids: 95.2

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endrin	ND		0.0034	0.00040	mg/Kg	☼	09/27/22 10:07	10/06/22 18:21	2
Endrin aldehyde	ND		0.0034	0.0012	mg/Kg	☼	09/27/22 10:07	10/06/22 18:21	2
Endrin ketone	ND		0.0034	0.00055	mg/Kg	☼	09/27/22 10:07	10/06/22 18:21	2
Heptachlor	ND		0.0034	0.00030	mg/Kg	☼	09/27/22 10:07	10/06/22 18:21	2
Heptachlor epoxide	ND		0.0034	0.00036	mg/Kg	☼	09/27/22 10:07	10/06/22 18:21	2
Methoxychlor	ND		0.0069	0.0011	mg/Kg	☼	09/27/22 10:07	10/06/22 18:21	2
Toxaphene	ND		0.14	0.045	mg/Kg	☼	09/27/22 10:07	10/06/22 18:21	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*48*		*46 - 109*	*09/27/22 10:07*	*10/06/22 18:21*	*2*
DCB Decachlorobiphenyl	*49*		*46 - 109*	*09/27/22 10:07*	*10/06/22 18:21*	*2*
Tetrachloro-m-xylene	*35*	*p S1-*	*47 - 107*	*09/27/22 10:07*	*10/06/22 18:21*	*2*
Tetrachloro-m-xylene	*57*		*47 - 107*	*09/27/22 10:07*	*10/06/22 18:21*	*2*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		33	2.6	ug/Kg	☼	09/27/22 10:56	10/04/22 19:17	1
PCB-1221	ND		33	3.7	ug/Kg	☼	09/27/22 10:56	10/04/22 19:17	1
PCB-1232	ND		33	4.8	ug/Kg	☼	09/27/22 10:56	10/04/22 19:17	1
PCB-1242	ND		33	6.0	ug/Kg	☼	09/27/22 10:56	10/04/22 19:17	1
PCB-1248	ND		33	2.5	ug/Kg	☼	09/27/22 10:56	10/04/22 19:17	1
PCB-1254	ND		33	3.9	ug/Kg	☼	09/27/22 10:56	10/04/22 19:17	1
PCB-1260	ND		33	2.7	ug/Kg	☼	09/27/22 10:56	10/04/22 19:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*61*		*52 - 138*	*09/27/22 10:56*	*10/04/22 19:17*	*1*

Method: SW846 7199 - Chromium, Hexavalent (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	ND		0.42	0.20	mg/Kg	☼	09/29/22 02:00	09/29/22 09:19	10

Method: SW846 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**3.7**		2.0	0.94	mg/Kg	☼	09/26/22 16:00	09/27/22 14:10	1
Arsenic	**2.2**		2.0	1.3	mg/Kg	☼	09/26/22 16:00	09/27/22 14:10	1
Barium	**14**		1.0	0.12	mg/Kg	☼	09/26/22 16:00	09/27/22 14:10	1
Beryllium	**0.075**	**J**	0.20	0.030	mg/Kg	☼	09/26/22 16:00	09/27/22 14:10	1
Cadmium	ND		0.20	0.030	mg/Kg	☼	09/26/22 16:00	09/27/22 14:10	1
Chromium	**29**		0.50	0.14	mg/Kg	☼	09/26/22 16:00	09/27/22 14:10	1
Cobalt	**26**		0.50	0.25	mg/Kg	☼	09/26/22 16:00	09/27/22 14:10	1
Copper	**36**		1.5	0.22	mg/Kg	☼	09/26/22 16:00	09/27/22 14:10	1
Lead	**1.5**		1.0	0.26	mg/Kg	☼	09/26/22 16:00	09/27/22 14:10	1
Molybdenum	ND		2.0	0.75	mg/Kg	☼	09/26/22 16:00	09/27/22 14:10	1
Nickel	**110**		1.0	0.24	mg/Kg	☼	09/26/22 16:00	09/27/22 14:10	1
Selenium	ND		2.0	1.4	mg/Kg	☼	09/26/22 16:00	09/27/22 14:10	1
Silver	ND		0.50	0.090	mg/Kg	☼	09/26/22 16:00	09/27/22 14:10	1
Thallium	ND		2.0	0.84	mg/Kg	☼	09/26/22 16:00	09/27/22 14:10	1
Vanadium	**13**		0.50	0.19	mg/Kg	☼	09/26/22 16:00	09/27/22 14:10	1
Zinc	**11**		2.0	0.19	mg/Kg	☼	09/26/22 16:00	09/27/22 14:10	1

Client Sample ID: MHSSF-ENV-D@0.5'

Lab Sample ID: 320-92432-4
Date Collected: 09/21/22 09:30
Matrix: Solid
Date Received: 09/23/22 18:45
Percent Solids: 95.2

Method: SW846 6010B - Metals (ICP) - STLC Citrate

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.093	J B	0.10	0.012	mg/L			10/03/22 13:10	10
Arsenic	ND		0.20	0.12	mg/L			10/03/22 13:10	10
Chromium	0.078	J	0.10	0.0060	mg/L			10/03/22 13:10	10

Method: SW846 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.026	J	0.040	0.0080	mg/Kg	☼	09/29/22 12:49	09/29/22 16:17	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (ASTM D 2216)	4.8		0.1	0.1	%			09/26/22 15:18	1

Client Sample ID: MHSSF-ENV-E@0.5'

Lab Sample ID: 320-92432-5
Date Collected: 09/21/22 11:00
Matrix: Solid
Date Received: 09/23/22 18:45
Percent Solids: 94.7

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.010	0.00062	mg/Kg	☼	09/26/22 11:12	09/28/22 17:16	1
Acetone	ND		0.021	0.0015	mg/Kg	☼	09/26/22 11:12	09/28/22 17:16	1
Benzene	ND		0.0052	0.00027	mg/Kg	☼	09/26/22 11:12	09/28/22 17:16	1
Dichlorobromomethane	ND		0.0052	0.00055	mg/Kg	☼	09/26/22 11:12	09/28/22 17:16	1
Bromobenzene	ND		0.0052	0.00054	mg/Kg	☼	09/26/22 11:12	09/28/22 17:16	1
Chlorobromomethane	ND		0.0052	0.00098	mg/Kg	☼	09/26/22 11:12	09/28/22 17:16	1
Bromoform	ND		0.0052	0.00041	mg/Kg	☼	09/26/22 11:12	09/28/22 17:16	1
Bromomethane	ND		0.0052	0.00089	mg/Kg	☼	09/26/22 11:12	09/28/22 17:16	1
2-Butanone (MEK)	ND		0.010	0.0015	mg/Kg	☼	09/26/22 11:12	09/28/22 17:16	1
n-Butylbenzene	ND		0.0052	0.00068	mg/Kg	☼	09/26/22 11:12	09/28/22 17:16	1
sec-Butylbenzene	ND		0.0052	0.00078	mg/Kg	☼	09/26/22 11:12	09/28/22 17:16	1
tert-Butylbenzene	ND		0.0052	0.00056	mg/Kg	☼	09/26/22 11:12	09/28/22 17:16	1
Carbon disulfide	ND		0.010	0.00051	mg/Kg	☼	09/26/22 11:12	09/28/22 17:16	1
Carbon tetrachloride	ND		0.0052	0.00055	mg/Kg	☼	09/26/22 11:12	09/28/22 17:16	1
Chlorobenzene	ND		0.0052	0.00030	mg/Kg	☼	09/26/22 11:12	09/28/22 17:16	1
Chloroethane	ND		0.0052	0.00047	mg/Kg	☼	09/26/22 11:12	09/28/22 17:16	1
Chloroform	ND		0.0052	0.00027	mg/Kg	☼	09/26/22 11:12	09/28/22 17:16	1
Chloromethane	ND		0.0052	0.00052	mg/Kg	☼	09/26/22 11:12	09/28/22 17:16	1
2-Chlorotoluene	ND		0.0052	0.00064	mg/Kg	☼	09/26/22 11:12	09/28/22 17:16	1
4-Chlorotoluene	ND		0.0052	0.00089	mg/Kg	☼	09/26/22 11:12	09/28/22 17:16	1
Chlorodibromomethane	ND		0.0052	0.00022	mg/Kg	☼	09/26/22 11:12	09/28/22 17:16	1
1,2-Dichlorobenzene	ND		0.0052	0.00066	mg/Kg	☼	09/26/22 11:12	09/28/22 17:16	1
1,3-Dichlorobenzene	ND		0.0052	0.00031	mg/Kg	☼	09/26/22 11:12	09/28/22 17:16	1
1,4-Dichlorobenzene	ND		0.0052	0.00081	mg/Kg	☼	09/26/22 11:12	09/28/22 17:16	1
1,3-Dichloropropane	ND		0.0052	0.00059	mg/Kg	☼	09/26/22 11:12	09/28/22 17:16	1
1,1-Dichloropropene	ND		0.0052	0.00038	mg/Kg	☼	09/26/22 11:12	09/28/22 17:16	1
1,2-Dibromo-3-Chloropropane	ND		0.010	0.00091	mg/Kg	☼	09/26/22 11:12	09/28/22 17:16	1
Ethylene Dibromide	ND		0.010	0.00028	mg/Kg	☼	09/26/22 11:12	09/28/22 17:16	1
Dibromomethane	ND		0.0052	0.00060	mg/Kg	☼	09/26/22 11:12	09/28/22 17:16	1
Dichlorodifluoromethane	ND		0.0052	0.00092	mg/Kg	☼	09/26/22 11:12	09/28/22 17:16	1
1,1-Dichloroethane	ND		0.0052	0.00030	mg/Kg	☼	09/26/22 11:12	09/28/22 17:16	1
1,2-Dichloroethane	ND		0.0052	0.00076	mg/Kg	☼	09/26/22 11:12	09/28/22 17:16	1

Client Sample ID: MHSSF-ENV-E@0.5'
Date Collected: 09/21/22 11:00
Date Received: 09/23/22 18:45

Lab Sample ID: 320-92432-5
Matrix: Solid
Percent Solids: 94.7

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		0.0052	0.00027	mg/Kg	☼	09/26/22 11:12	09/28/22 17:16	1
cis-1,2-Dichloroethene	ND		0.0052	0.00092	mg/Kg	☼	09/26/22 11:12	09/28/22 17:16	1
trans-1,2-Dichloroethene	ND		0.0052	0.00039	mg/Kg	☼	09/26/22 11:12	09/28/22 17:16	1
1,2-Dichloropropane	ND		0.0052	0.00062	mg/Kg	☼	09/26/22 11:12	09/28/22 17:16	1
cis-1,3-Dichloropropene	ND		0.0052	0.00066	mg/Kg	☼	09/26/22 11:12	09/28/22 17:16	1
trans-1,3-Dichloropropene	ND		0.0052	0.00078	mg/Kg	☼	09/26/22 11:12	09/28/22 17:16	1
Ethylbenzene	ND		0.0052	0.00035	mg/Kg	☼	09/26/22 11:12	09/28/22 17:16	1
Hexachlorobutadiene	ND		0.0052	0.00034	mg/Kg	☼	09/26/22 11:12	09/28/22 17:16	1
2-Hexanone	ND		0.010	0.00077	mg/Kg	☼	09/26/22 11:12	09/28/22 17:16	1
Isopropylbenzene	ND		0.0052	0.00054	mg/Kg	☼	09/26/22 11:12	09/28/22 17:16	1
4-Isopropyltoluene	ND		0.0052	0.00065	mg/Kg	☼	09/26/22 11:12	09/28/22 17:16	1
Methylene Chloride	ND		0.010	0.00087	mg/Kg	☼	09/26/22 11:12	09/28/22 17:16	1
4-Methyl-2-pentanone (MIBK)	ND		0.010	0.00095	mg/Kg	☼	09/26/22 11:12	09/28/22 17:16	1
Naphthalene	ND		0.0052	0.00065	mg/Kg	☼	09/26/22 11:12	09/28/22 17:16	1
N-Propylbenzene	ND		0.0052	0.00030	mg/Kg	☼	09/26/22 11:12	09/28/22 17:16	1
Styrene	ND		0.0052	0.00032	mg/Kg	☼	09/26/22 11:12	09/28/22 17:16	1
1,1,1,2-Tetrachloroethane	ND		0.0052	0.00043	mg/Kg	☼	09/26/22 11:12	09/28/22 17:16	1
1,1,2,2-Tetrachloroethane	ND		0.0052	0.00071	mg/Kg	☼	09/26/22 11:12	09/28/22 17:16	1
Tetrachloroethene	ND		0.0052	0.00063	mg/Kg	☼	09/26/22 11:12	09/28/22 17:16	1
Toluene	ND		0.0052	0.00063	mg/Kg	☼	09/26/22 11:12	09/28/22 17:16	1
1,2,3-Trichlorobenzene	ND		0.0052	0.00078	mg/Kg	☼	09/26/22 11:12	09/28/22 17:16	1
1,2,4-Trichlorobenzene	ND		0.0052	0.00078	mg/Kg	☼	09/26/22 11:12	09/28/22 17:16	1
1,1,1-Trichloroethane	ND		0.0052	0.00037	mg/Kg	☼	09/26/22 11:12	09/28/22 17:16	1
1,1,2-Trichloroethane	ND		0.0052	0.00046	mg/Kg	☼	09/26/22 11:12	09/28/22 17:16	1
Trichloroethene	ND		0.0052	0.00062	mg/Kg	☼	09/26/22 11:12	09/28/22 17:16	1
Trichlorofluoromethane	ND		0.0052	0.00035	mg/Kg	☼	09/26/22 11:12	09/28/22 17:16	1
1,2,3-Trichloropropane	ND		0.0052	0.00079	mg/Kg	☼	09/26/22 11:12	09/28/22 17:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.010	0.00086	mg/Kg	☼	09/26/22 11:12	09/28/22 17:16	1
1,2,4-Trimethylbenzene	ND		0.0052	0.00053	mg/Kg	☼	09/26/22 11:12	09/28/22 17:16	1
1,3,5-Trimethylbenzene	ND		0.0052	0.00036	mg/Kg	☼	09/26/22 11:12	09/28/22 17:16	1
Vinyl acetate	ND		0.010	0.00072	mg/Kg	☼	09/26/22 11:12	09/28/22 17:16	1
Vinyl chloride	ND		0.0052	0.00037	mg/Kg	☼	09/26/22 11:12	09/28/22 17:16	1
Xylenes, Total	ND		0.0052	0.00084	mg/Kg	☼	09/26/22 11:12	09/28/22 17:16	1
2,2-Dichloropropane	ND		0.0052	0.00039	mg/Kg	☼	09/26/22 11:12	09/28/22 17:16	1
Gasoline Range Organics (C4-C12)	ND		520	52	ug/Kg	☼	09/26/22 11:12	09/28/22 17:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*63 - 143*	*09/26/22 11:12*	*09/28/22 17:16*	*1*
Dibromofluoromethane (Surr)	*95*		*55 - 129*	*09/26/22 11:12*	*09/28/22 17:16*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*32 - 156*	*09/26/22 11:12*	*09/28/22 17:16*	*1*
Toluene-d8 (Surr)	*105*		*63 - 138*	*09/26/22 11:12*	*09/28/22 17:16*	*1*

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.34	0.086	mg/Kg	☼	09/27/22 07:34	09/28/22 16:48	1
Bis(2-chloroethyl)ether	ND		0.34	0.084	mg/Kg	☼	09/27/22 07:34	09/28/22 16:48	1
2-Chlorophenol	ND		0.34	0.092	mg/Kg	☼	09/27/22 07:34	09/28/22 16:48	1
1,3-Dichlorobenzene	ND		0.34	0.081	mg/Kg	☼	09/27/22 07:34	09/28/22 16:48	1
1,4-Dichlorobenzene	ND		0.34	0.080	mg/Kg	☼	09/27/22 07:34	09/28/22 16:48	1
Benzyl alcohol	ND		0.34	0.18	mg/Kg	☼	09/27/22 07:34	09/28/22 16:48	1

Client Sample ID: MHSSF-ENV-E@0.5'
Date Collected: 09/21/22 11:00
Date Received: 09/23/22 18:45

Lab Sample ID: 320-92432-5
Matrix: Solid
Percent Solids: 94.7

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		0.34	0.078	mg/Kg	☼	09/27/22 07:34	09/28/22 16:48	1
2-Methylphenol	ND		0.34	0.060	mg/Kg	☼	09/27/22 07:34	09/28/22 16:48	1
N-Nitrosodi-n-propylamine	ND		0.34	0.087	mg/Kg	☼	09/27/22 07:34	09/28/22 16:48	1
Hexachloroethane	ND		0.34	0.084	mg/Kg	☼	09/27/22 07:34	09/28/22 16:48	1
Nitrobenzene	ND		0.34	0.079	mg/Kg	☼	09/27/22 07:34	09/28/22 16:48	1
Isophorone	ND		0.34	0.097	mg/Kg	☼	09/27/22 07:34	09/28/22 16:48	1
2-Nitrophenol	ND		0.34	0.085	mg/Kg	☼	09/27/22 07:34	09/28/22 16:48	1
2,4-Dimethylphenol	ND		0.34	0.17	mg/Kg	☼	09/27/22 07:34	09/28/22 16:48	1
Bis(2-chloroethoxy)methane	ND		0.34	0.092	mg/Kg	☼	09/27/22 07:34	09/28/22 16:48	1
2,4-Dichlorophenol	ND		0.34	0.093	mg/Kg	☼	09/27/22 07:34	09/28/22 16:48	1
1,2,4-Trichlorobenzene	ND		0.34	0.086	mg/Kg	☼	09/27/22 07:34	09/28/22 16:48	1
Naphthalene	ND		0.34	0.085	mg/Kg	☼	09/27/22 07:34	09/28/22 16:48	1
4-Chloroaniline	ND		0.34	0.060	mg/Kg	☼	09/27/22 07:34	09/28/22 16:48	1
Hexachlorobutadiene	ND		0.34	0.085	mg/Kg	☼	09/27/22 07:34	09/28/22 16:48	1
4-Chloro-3-methylphenol	ND		0.34	0.096	mg/Kg	☼	09/27/22 07:34	09/28/22 16:48	1
2-Methylnaphthalene	ND		0.34	0.088	mg/Kg	☼	09/27/22 07:34	09/28/22 16:48	1
Hexachlorocyclopentadiene	ND		1.7	0.065	mg/Kg	☼	09/27/22 07:34	09/28/22 16:48	1
2,4,6-Trichlorophenol	ND		0.34	0.087	mg/Kg	☼	09/27/22 07:34	09/28/22 16:48	1
2,4,5-Trichlorophenol	ND		0.34	0.086	mg/Kg	☼	09/27/22 07:34	09/28/22 16:48	1
2-Chloronaphthalene	ND		0.34	0.084	mg/Kg	☼	09/27/22 07:34	09/28/22 16:48	1
2-Nitroaniline	ND		1.7	0.087	mg/Kg	☼	09/27/22 07:34	09/28/22 16:48	1
Dimethyl phthalate	ND		0.34	0.091	mg/Kg	☼	09/27/22 07:34	09/28/22 16:48	1
Acenaphthylene	ND		0.34	0.088	mg/Kg	☼	09/27/22 07:34	09/28/22 16:48	1
3-Nitroaniline	ND		1.7	0.17	mg/Kg	☼	09/27/22 07:34	09/28/22 16:48	1
3-Methylphenol & 4-Methylphenol	ND		0.69	0.34	mg/Kg	☼	09/27/22 07:34	09/28/22 16:48	1
Acenaphthene	ND		0.34	0.086	mg/Kg	☼	09/27/22 07:34	09/28/22 16:48	1
2,4-Dinitrophenol	ND	*+	1.7	0.22	mg/Kg	☼	09/27/22 07:34	09/28/22 16:48	1
4-Nitrophenol	ND		1.7	0.29	mg/Kg	☼	09/27/22 07:34	09/28/22 16:48	1
Dibenzofuran	ND		0.34	0.090	mg/Kg	☼	09/27/22 07:34	09/28/22 16:48	1
2,4-Dinitrotoluene	ND		0.34	0.093	mg/Kg	☼	09/27/22 07:34	09/28/22 16:48	1
2,6-Dinitrotoluene	ND		0.34	0.10	mg/Kg	☼	09/27/22 07:34	09/28/22 16:48	1
Diethyl phthalate	ND		0.34	0.094	mg/Kg	☼	09/27/22 07:34	09/28/22 16:48	1
4-Chlorophenyl phenyl ether	ND		0.34	0.097	mg/Kg	☼	09/27/22 07:34	09/28/22 16:48	1
Fluorene	ND		0.34	0.096	mg/Kg	☼	09/27/22 07:34	09/28/22 16:48	1
4-Nitroaniline	ND		1.7	0.092	mg/Kg	☼	09/27/22 07:34	09/28/22 16:48	1
2-Methyl-4,6-dinitrophenol	ND		1.7	0.084	mg/Kg	☼	09/27/22 07:34	09/28/22 16:48	1
N-Nitrosodiphenylamine	ND		0.34	0.090	mg/Kg	☼	09/27/22 07:34	09/28/22 16:48	1
4-Bromophenyl phenyl ether	ND		0.34	0.088	mg/Kg	☼	09/27/22 07:34	09/28/22 16:48	1
Hexachlorobenzene	ND		0.34	0.093	mg/Kg	☼	09/27/22 07:34	09/28/22 16:48	1
Pentachlorophenol	ND		1.7	0.053	mg/Kg	☼	09/27/22 07:34	09/28/22 16:48	1
Phenanthrene	ND		0.34	0.098	mg/Kg	☼	09/27/22 07:34	09/28/22 16:48	1
Anthracene	ND		0.34	0.090	mg/Kg	☼	09/27/22 07:34	09/28/22 16:48	1
Di-n-butyl phthalate	ND		0.34	0.10	mg/Kg	☼	09/27/22 07:34	09/28/22 16:48	1
Fluoranthene	ND		0.34	0.099	mg/Kg	☼	09/27/22 07:34	09/28/22 16:48	1
Pyrene	ND		0.34	0.098	mg/Kg	☼	09/27/22 07:34	09/28/22 16:48	1
Butyl benzyl phthalate	ND		0.34	0.099	mg/Kg	☼	09/27/22 07:34	09/28/22 16:48	1
3,3'-Dichlorobenzidine	ND		1.7	0.098	mg/Kg	☼	09/27/22 07:34	09/28/22 16:48	1
Benzo[a]anthracene	ND		0.34	0.096	mg/Kg	☼	09/27/22 07:34	09/28/22 16:48	1
Bis(2-ethylhexyl) phthalate	ND		0.34	0.10	mg/Kg	☼	09/27/22 07:34	09/28/22 16:48	1

Client Sample ID: MHSSF-ENV-E@0.5'
Date Collected: 09/21/22 11:00
Date Received: 09/23/22 18:45

Lab Sample ID: 320-92432-5
Matrix: Solid
Percent Solids: 94.7

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	ND		0.34	0.087	mg/Kg	☼	09/27/22 07:34	09/28/22 16:48	1
Di-n-octyl phthalate	ND		0.34	0.10	mg/Kg	☼	09/27/22 07:34	09/28/22 16:48	1
Benzo[b]fluoranthene	ND		0.34	0.099	mg/Kg	☼	09/27/22 07:34	09/28/22 16:48	1
Benzo[a]pyrene	ND		0.34	0.098	mg/Kg	☼	09/27/22 07:34	09/28/22 16:48	1
Benzo[k]fluoranthene	ND		0.34	0.12	mg/Kg	☼	09/27/22 07:34	09/28/22 16:48	1
Indeno[1,2,3-cd]pyrene	ND		0.34	0.10	mg/Kg	☼	09/27/22 07:34	09/28/22 16:48	1
Benzo[g,h,i]perylene	ND		0.34	0.11	mg/Kg	☼	09/27/22 07:34	09/28/22 16:48	1
Benzoic acid	ND		1.7	0.30	mg/Kg	☼	09/27/22 07:34	09/28/22 16:48	1
Azobenzene	ND		0.34	0.096	mg/Kg	☼	09/27/22 07:34	09/28/22 16:48	1
Dibenz(a,h)anthracene	ND		0.34	0.11	mg/Kg	☼	09/27/22 07:34	09/28/22 16:48	1
Pyridine	ND		0.69	0.075	mg/Kg	☼	09/27/22 07:34	09/28/22 16:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*75*		*54 - 114*	*09/27/22 07:34*	*09/28/22 16:48*	*1*
Terphenyl-d14	*89*		*66 - 126*	*09/27/22 07:34*	*09/28/22 16:48*	*1*
2-Fluorophenol	*79*		*53 - 113*	*09/27/22 07:34*	*09/28/22 16:48*	*1*
Phenol-d5	*80*		*54 - 114*	*09/27/22 07:34*	*09/28/22 16:48*	*1*
2,4,6-Tribromophenol	*99*		*60 - 120*	*09/27/22 07:34*	*09/28/22 16:48*	*1*

Method: EPA 8015C - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	1.3	B	1.1	0.53	mg/Kg	☼	09/27/22 07:45	09/29/22 03:25	1
Motor Oil Range Organics [C28-C40]	ND		5.3	4.0	mg/Kg	☼	09/27/22 07:45	09/29/22 03:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*67*		*51 - 111*	*09/27/22 07:45*	*09/29/22 03:25*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.0018	0.00014	mg/Kg	☼	09/27/22 10:07	10/06/22 18:40	1
alpha-BHC	ND		0.0018	0.00017	mg/Kg	☼	09/27/22 10:07	10/06/22 18:40	1
beta-BHC	ND		0.0018	0.00023	mg/Kg	☼	09/27/22 10:07	10/06/22 18:40	1
gamma-BHC (Lindane)	ND		0.0018	0.00014	mg/Kg	☼	09/27/22 10:07	10/06/22 18:40	1
delta-BHC	ND		0.0018	0.00036	mg/Kg	☼	09/27/22 10:07	10/06/22 18:40	1
cis-Chlordane	ND		0.0018	0.00019	mg/Kg	☼	09/27/22 10:07	10/06/22 18:40	1
trans-Chlordane	ND		0.0018	0.00062	mg/Kg	☼	09/27/22 10:07	10/06/22 18:40	1
Chlordane (technical)	ND		0.021	0.0097	mg/Kg	☼	09/27/22 10:07	10/06/22 18:40	1
4,4'-DDD	ND		0.0018	0.00024	mg/Kg	☼	09/27/22 10:07	10/06/22 18:40	1
4,4'-DDE	ND		0.0018	0.00022	mg/Kg	☼	09/27/22 10:07	10/06/22 18:40	1
4,4'-DDT	ND		0.0018	0.00026	mg/Kg	☼	09/27/22 10:07	10/06/22 18:40	1
Dieldrin	ND		0.0018	0.00021	mg/Kg	☼	09/27/22 10:07	10/06/22 18:40	1
Endosulfan I	ND		0.0018	0.00019	mg/Kg	☼	09/27/22 10:07	10/06/22 18:40	1
Endosulfan II	ND		0.0018	0.00019	mg/Kg	☼	09/27/22 10:07	10/06/22 18:40	1
Endosulfan sulfate	ND		0.0018	0.00036	mg/Kg	☼	09/27/22 10:07	10/06/22 18:40	1
Endrin	ND		0.0018	0.00021	mg/Kg	☼	09/27/22 10:07	10/06/22 18:40	1
Endrin aldehyde	ND		0.0018	0.00059	mg/Kg	☼	09/27/22 10:07	10/06/22 18:40	1
Endrin ketone	ND		0.0018	0.00028	mg/Kg	☼	09/27/22 10:07	10/06/22 18:40	1
Heptachlor	ND		0.0018	0.00015	mg/Kg	☼	09/27/22 10:07	10/06/22 18:40	1
Heptachlor epoxide	ND		0.0018	0.00019	mg/Kg	☼	09/27/22 10:07	10/06/22 18:40	1
Methoxychlor	ND		0.0035	0.00058	mg/Kg	☼	09/27/22 10:07	10/06/22 18:40	1

Client Sample ID: MHSSF-ENV-E@0.5'

Date Collected: 09/21/22 11:00
Date Received: 09/23/22 18:45

Lab Sample ID: 320-92432-5

Matrix: Solid
Percent Solids: 94.7

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toxaphene	ND		0.069	0.023	mg/Kg	☼	09/27/22 10:07	10/06/22 18:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*54*		*46 - 109*	*09/27/22 10:07*	*10/06/22 18:40*	*1*
DCB Decachlorobiphenyl	*64*		*46 - 109*	*09/27/22 10:07*	*10/06/22 18:40*	*1*
Tetrachloro-m-xylene	*62*		*47 - 107*	*09/27/22 10:07*	*10/06/22 18:40*	*1*
Tetrachloro-m-xylene	*64*		*47 - 107*	*09/27/22 10:07*	*10/06/22 18:40*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		34	2.6	ug/Kg	☼	09/27/22 10:56	10/04/22 19:37	1
PCB-1221	ND		34	3.7	ug/Kg	☼	09/27/22 10:56	10/04/22 19:37	1
PCB-1232	ND		34	4.9	ug/Kg	☼	09/27/22 10:56	10/04/22 19:37	1
PCB-1242	ND		34	6.1	ug/Kg	☼	09/27/22 10:56	10/04/22 19:37	1
PCB-1248	ND		34	2.5	ug/Kg	☼	09/27/22 10:56	10/04/22 19:37	1
PCB-1254	ND		34	3.9	ug/Kg	☼	09/27/22 10:56	10/04/22 19:37	1
PCB-1260	ND		34	2.8	ug/Kg	☼	09/27/22 10:56	10/04/22 19:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*97*		*52 - 138*	*09/27/22 10:56*	*10/04/22 19:37*	*1*

Method: SW846 7199 - Chromium, Hexavalent (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	ND		0.42	0.20	mg/Kg	☼	09/29/22 02:00	09/29/22 09:29	10

Method: SW846 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**2.9**		2.1	0.96	mg/Kg	☼	09/26/22 16:00	09/27/22 14:14	1
Arsenic	**1.3**	**J**	2.1	1.3	mg/Kg	☼	09/26/22 16:00	09/27/22 14:14	1
Barium	**10**		1.0	0.12	mg/Kg	☼	09/26/22 16:00	09/27/22 14:14	1
Beryllium	**0.084**	**J**	0.21	0.031	mg/Kg	☼	09/26/22 16:00	09/27/22 14:14	1
Cadmium	**0.047**	**J**	0.21	0.031	mg/Kg	☼	09/26/22 16:00	09/27/22 14:14	1
Chromium	**7.2**		0.51	0.14	mg/Kg	☼	09/26/22 16:00	09/27/22 14:14	1
Cobalt	**0.98**		0.51	0.26	mg/Kg	☼	09/26/22 16:00	09/27/22 14:14	1
Copper	**2.0**		1.5	0.23	mg/Kg	☼	09/26/22 16:00	09/27/22 14:14	1
Lead	**1.0**		1.0	0.27	mg/Kg	☼	09/26/22 16:00	09/27/22 14:14	1
Molybdenum	ND		2.1	0.77	mg/Kg	☼	09/26/22 16:00	09/27/22 14:14	1
Nickel	**5.9**		1.0	0.25	mg/Kg	☼	09/26/22 16:00	09/27/22 14:14	1
Selenium	ND		2.1	1.4	mg/Kg	☼	09/26/22 16:00	09/27/22 14:14	1
Silver	ND		0.51	0.092	mg/Kg	☼	09/26/22 16:00	09/27/22 14:14	1
Thallium	ND		2.1	0.86	mg/Kg	☼	09/26/22 16:00	09/27/22 14:14	1
Vanadium	**5.2**		0.51	0.19	mg/Kg	☼	09/26/22 16:00	09/27/22 14:14	1
Zinc	**5.1**		2.1	0.19	mg/Kg	☼	09/26/22 16:00	09/27/22 14:14	1

Method: SW846 6010B - Metals (ICP) - STLC Citrate

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**0.024**	**J B**	0.10	0.012	mg/L			10/03/22 13:22	10
Arsenic	ND		0.20	0.12	mg/L			10/03/22 13:22	10
Chromium	**0.043**	**J**	0.10	0.0060	mg/L			10/03/22 13:22	10

Client Sample ID: MHSSF-ENV-E@0.5'

Lab Sample ID: 320-92432-5
Date Collected: 09/21/22 11:00
Matrix: Solid
Date Received: 09/23/22 18:45
Percent Solids: 94.7

Method: SW846 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.043	0.0086	mg/Kg	☼	09/29/22 12:49	09/29/22 16:19	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (ASTM D 2216)	5.3		0.1	0.1	%			09/26/22 15:18	1

Client Sample ID: MHSSF-ENV-F@0.5'

Lab Sample ID: 320-92432-6
Date Collected: 09/21/22 13:00
Matrix: Solid
Date Received: 09/23/22 18:45
Percent Solids: 75.8

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.013	0.00078	mg/Kg	☼	09/26/22 11:12	09/28/22 17:38	1
Acetone	ND		0.026	0.0018	mg/Kg	☼	09/26/22 11:12	09/28/22 17:38	1
Benzene	ND		0.0065	0.00034	mg/Kg	☼	09/26/22 11:12	09/28/22 17:38	1
Dichlorobromomethane	ND		0.0065	0.00069	mg/Kg	☼	09/26/22 11:12	09/28/22 17:38	1
Bromobenzene	ND		0.0065	0.00067	mg/Kg	☼	09/26/22 11:12	09/28/22 17:38	1
Chlorobromomethane	ND		0.0065	0.0012	mg/Kg	☼	09/26/22 11:12	09/28/22 17:38	1
Bromoform	ND		0.0065	0.00052	mg/Kg	☼	09/26/22 11:12	09/28/22 17:38	1
Bromomethane	ND		0.0065	0.0011	mg/Kg	☼	09/26/22 11:12	09/28/22 17:38	1
2-Butanone (MEK)	ND		0.013	0.0018	mg/Kg	☼	09/26/22 11:12	09/28/22 17:38	1
n-Butylbenzene	ND		0.0065	0.00086	mg/Kg	☼	09/26/22 11:12	09/28/22 17:38	1
sec-Butylbenzene	ND		0.0065	0.00097	mg/Kg	☼	09/26/22 11:12	09/28/22 17:38	1
tert-Butylbenzene	ND		0.0065	0.00070	mg/Kg	☼	09/26/22 11:12	09/28/22 17:38	1
Carbon disulfide	ND		0.013	0.00064	mg/Kg	☼	09/26/22 11:12	09/28/22 17:38	1
Carbon tetrachloride	ND		0.0065	0.00069	mg/Kg	☼	09/26/22 11:12	09/28/22 17:38	1
Chlorobenzene	ND		0.0065	0.00038	mg/Kg	☼	09/26/22 11:12	09/28/22 17:38	1
Chloroethane	ND		0.0065	0.00058	mg/Kg	☼	09/26/22 11:12	09/28/22 17:38	1
Chloroform	ND		0.0065	0.00034	mg/Kg	☼	09/26/22 11:12	09/28/22 17:38	1
Chloromethane	ND		0.0065	0.00065	mg/Kg	☼	09/26/22 11:12	09/28/22 17:38	1
2-Chlorotoluene	ND		0.0065	0.00080	mg/Kg	☼	09/26/22 11:12	09/28/22 17:38	1
4-Chlorotoluene	ND		0.0065	0.0011	mg/Kg	☼	09/26/22 11:12	09/28/22 17:38	1
Chlorodibromomethane	ND		0.0065	0.00027	mg/Kg	☼	09/26/22 11:12	09/28/22 17:38	1
1,2-Dichlorobenzene	ND		0.0065	0.00083	mg/Kg	☼	09/26/22 11:12	09/28/22 17:38	1
1,3-Dichlorobenzene	ND		0.0065	0.00039	mg/Kg	☼	09/26/22 11:12	09/28/22 17:38	1
1,4-Dichlorobenzene	ND		0.0065	0.0010	mg/Kg	☼	09/26/22 11:12	09/28/22 17:38	1
1,3-Dichloropropane	ND		0.0065	0.00074	mg/Kg	☼	09/26/22 11:12	09/28/22 17:38	1
1,1-Dichloropropene	ND		0.0065	0.00048	mg/Kg	☼	09/26/22 11:12	09/28/22 17:38	1
1,2-Dibromo-3-Chloropropane	ND		0.013	0.0011	mg/Kg	☼	09/26/22 11:12	09/28/22 17:38	1
Ethylene Dibromide	ND		0.013	0.00035	mg/Kg	☼	09/26/22 11:12	09/28/22 17:38	1
Dibromomethane	ND		0.0065	0.00075	mg/Kg	☼	09/26/22 11:12	09/28/22 17:38	1
Dichlorodifluoromethane	ND		0.0065	0.0012	mg/Kg	☼	09/26/22 11:12	09/28/22 17:38	1
1,1-Dichloroethane	ND		0.0065	0.00038	mg/Kg	☼	09/26/22 11:12	09/28/22 17:38	1
1,2-Dichloroethane	ND		0.0065	0.00095	mg/Kg	☼	09/26/22 11:12	09/28/22 17:38	1
1,1-Dichloroethene	ND		0.0065	0.00034	mg/Kg	☼	09/26/22 11:12	09/28/22 17:38	1
cis-1,2-Dichloroethene	ND		0.0065	0.0012	mg/Kg	☼	09/26/22 11:12	09/28/22 17:38	1
trans-1,2-Dichloroethene	ND		0.0065	0.00049	mg/Kg	☼	09/26/22 11:12	09/28/22 17:38	1
1,2-Dichloropropane	ND		0.0065	0.00078	mg/Kg	☼	09/26/22 11:12	09/28/22 17:38	1
cis-1,3-Dichloropropene	ND		0.0065	0.00083	mg/Kg	☼	09/26/22 11:12	09/28/22 17:38	1
trans-1,3-Dichloropropene	ND		0.0065	0.00097	mg/Kg	☼	09/26/22 11:12	09/28/22 17:38	1

Client Sample ID: MHSSF-ENV-F@0.5'
Date Collected: 09/21/22 13:00
Date Received: 09/23/22 18:45

Lab Sample ID: 320-92432-6
Matrix: Solid
Percent Solids: 75.8

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		0.0065	0.00044	mg/Kg	☼	09/26/22 11:12	09/28/22 17:38	1
Hexachlorobutadiene	ND		0.0065	0.00043	mg/Kg	☼	09/26/22 11:12	09/28/22 17:38	1
2-Hexanone	ND		0.013	0.00096	mg/Kg	☼	09/26/22 11:12	09/28/22 17:38	1
Isopropylbenzene	ND		0.0065	0.00067	mg/Kg	☼	09/26/22 11:12	09/28/22 17:38	1
4-Isopropyltoluene	ND		0.0065	0.00082	mg/Kg	☼	09/26/22 11:12	09/28/22 17:38	1
Methylene Chloride	ND		0.013	0.0011	mg/Kg	☼	09/26/22 11:12	09/28/22 17:38	1
4-Methyl-2-pentanone (MIBK)	ND		0.013	0.0012	mg/Kg	☼	09/26/22 11:12	09/28/22 17:38	1
Naphthalene	ND		0.0065	0.00082	mg/Kg	☼	09/26/22 11:12	09/28/22 17:38	1
N-Propylbenzene	ND		0.0065	0.00038	mg/Kg	☼	09/26/22 11:12	09/28/22 17:38	1
Styrene	ND		0.0065	0.00040	mg/Kg	☼	09/26/22 11:12	09/28/22 17:38	1
1,1,1,2-Tetrachloroethane	ND		0.0065	0.00053	mg/Kg	☼	09/26/22 11:12	09/28/22 17:38	1
1,1,2,2-Tetrachloroethane	ND		0.0065	0.00088	mg/Kg	☼	09/26/22 11:12	09/28/22 17:38	1
Tetrachloroethene	ND		0.0065	0.00079	mg/Kg	☼	09/26/22 11:12	09/28/22 17:38	1
Toluene	ND		0.0065	0.00079	mg/Kg	☼	09/26/22 11:12	09/28/22 17:38	1
1,2,3-Trichlorobenzene	ND		0.0065	0.00097	mg/Kg	☼	09/26/22 11:12	09/28/22 17:38	1
1,2,4-Trichlorobenzene	ND		0.0065	0.00097	mg/Kg	☼	09/26/22 11:12	09/28/22 17:38	1
1,1,1-Trichloroethane	ND		0.0065	0.00047	mg/Kg	☼	09/26/22 11:12	09/28/22 17:38	1
1,1,2-Trichloroethane	ND		0.0065	0.00057	mg/Kg	☼	09/26/22 11:12	09/28/22 17:38	1
Trichloroethene	ND		0.0065	0.00078	mg/Kg	☼	09/26/22 11:12	09/28/22 17:38	1
Trichlorofluoromethane	ND		0.0065	0.00044	mg/Kg	☼	09/26/22 11:12	09/28/22 17:38	1
1,2,3-Trichloropropane	ND		0.0065	0.00099	mg/Kg	☼	09/26/22 11:12	09/28/22 17:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.013	0.0011	mg/Kg	☼	09/26/22 11:12	09/28/22 17:38	1
1,2,4-Trimethylbenzene	ND		0.0065	0.00066	mg/Kg	☼	09/26/22 11:12	09/28/22 17:38	1
1,3,5-Trimethylbenzene	ND		0.0065	0.00045	mg/Kg	☼	09/26/22 11:12	09/28/22 17:38	1
Vinyl acetate	ND		0.013	0.00090	mg/Kg	☼	09/26/22 11:12	09/28/22 17:38	1
Vinyl chloride	ND		0.0065	0.00047	mg/Kg	☼	09/26/22 11:12	09/28/22 17:38	1
Xylenes, Total	ND		0.0065	0.0011	mg/Kg	☼	09/26/22 11:12	09/28/22 17:38	1
2,2-Dichloropropane	ND		0.0065	0.00049	mg/Kg	☼	09/26/22 11:12	09/28/22 17:38	1
Gasoline Range Organics (C4-C12)	ND		650	65	ug/Kg	☼	09/26/22 11:12	09/28/22 17:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*63 - 143*	*09/26/22 11:12*	*09/28/22 17:38*	*1*
Dibromofluoromethane (Surr)	*92*		*55 - 129*	*09/26/22 11:12*	*09/28/22 17:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*89*		*32 - 156*	*09/26/22 11:12*	*09/28/22 17:38*	*1*
Toluene-d8 (Surr)	*104*		*63 - 138*	*09/26/22 11:12*	*09/28/22 17:38*	*1*

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.43	0.11	mg/Kg	☼	09/27/22 07:34	09/28/22 17:13	1
Bis(2-chloroethyl)ether	ND		0.43	0.10	mg/Kg	☼	09/27/22 07:34	09/28/22 17:13	1
2-Chlorophenol	ND		0.43	0.11	mg/Kg	☼	09/27/22 07:34	09/28/22 17:13	1
1,3-Dichlorobenzene	ND		0.43	0.10	mg/Kg	☼	09/27/22 07:34	09/28/22 17:13	1
1,4-Dichlorobenzene	ND		0.43	0.10	mg/Kg	☼	09/27/22 07:34	09/28/22 17:13	1
Benzyl alcohol	ND		0.43	0.22	mg/Kg	☼	09/27/22 07:34	09/28/22 17:13	1
1,2-Dichlorobenzene	ND		0.43	0.097	mg/Kg	☼	09/27/22 07:34	09/28/22 17:13	1
2-Methylphenol	ND		0.43	0.075	mg/Kg	☼	09/27/22 07:34	09/28/22 17:13	1
N-Nitrosodi-n-propylamine	ND		0.43	0.11	mg/Kg	☼	09/27/22 07:34	09/28/22 17:13	1
Hexachloroethane	ND		0.43	0.10	mg/Kg	☼	09/27/22 07:34	09/28/22 17:13	1
Nitrobenzene	ND		0.43	0.098	mg/Kg	☼	09/27/22 07:34	09/28/22 17:13	1
Isophorone	ND		0.43	0.12	mg/Kg	☼	09/27/22 07:34	09/28/22 17:13	1

Client: Cleary Consultants, Inc
Project/Site: Mzrina High School

Job ID: 320-92432-1

Client Sample ID: MHSSF-ENV-F@0.5'
Date Collected: 09/21/22 13:00
Date Received: 09/23/22 18:45

Lab Sample ID: 320-92432-6
Matrix: Solid
Percent Solids: 75.8

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitrophenol	ND		0.43	0.11	mg/Kg	☼	09/27/22 07:34	09/28/22 17:13	1
2,4-Dimethylphenol	ND		0.43	0.22	mg/Kg	☼	09/27/22 07:34	09/28/22 17:13	1
Bis(2-chloroethoxy)methane	ND		0.43	0.11	mg/Kg	☼	09/27/22 07:34	09/28/22 17:13	1
2,4-Dichlorophenol	ND		0.43	0.12	mg/Kg	☼	09/27/22 07:34	09/28/22 17:13	1
1,2,4-Trichlorobenzene	ND		0.43	0.11	mg/Kg	☼	09/27/22 07:34	09/28/22 17:13	1
Naphthalene	ND		0.43	0.11	mg/Kg	☼	09/27/22 07:34	09/28/22 17:13	1
4-Chloroaniline	ND		0.43	0.075	mg/Kg	☼	09/27/22 07:34	09/28/22 17:13	1
Hexachlorobutadiene	ND		0.43	0.11	mg/Kg	☼	09/27/22 07:34	09/28/22 17:13	1
4-Chloro-3-methylphenol	ND		0.43	0.12	mg/Kg	☼	09/27/22 07:34	09/28/22 17:13	1
2-Methylnaphthalene	ND		0.43	0.11	mg/Kg	☼	09/27/22 07:34	09/28/22 17:13	1
Hexachlorocyclopentadiene	ND		2.1	0.080	mg/Kg	☼	09/27/22 07:34	09/28/22 17:13	1
2,4,6-Trichlorophenol	ND		0.43	0.11	mg/Kg	☼	09/27/22 07:34	09/28/22 17:13	1
2,4,5-Trichlorophenol	ND		0.43	0.11	mg/Kg	☼	09/27/22 07:34	09/28/22 17:13	1
2-Chloronaphthalene	ND		0.43	0.10	mg/Kg	☼	09/27/22 07:34	09/28/22 17:13	1
2-Nitroaniline	ND		2.1	0.11	mg/Kg	☼	09/27/22 07:34	09/28/22 17:13	1
Dimethyl phthalate	ND		0.43	0.11	mg/Kg	☼	09/27/22 07:34	09/28/22 17:13	1
Acenaphthylene	ND		0.43	0.11	mg/Kg	☼	09/27/22 07:34	09/28/22 17:13	1
3-Nitroaniline	ND		2.1	0.22	mg/Kg	☼	09/27/22 07:34	09/28/22 17:13	1
3-Methylphenol & 4-Methylphenol	ND		0.85	0.43	mg/Kg	☼	09/27/22 07:34	09/28/22 17:13	1
Acenaphthene	ND		0.43	0.11	mg/Kg	☼	09/27/22 07:34	09/28/22 17:13	1
2,4-Dinitrophenol	ND	*+	2.1	0.28	mg/Kg	☼	09/27/22 07:34	09/28/22 17:13	1
4-Nitrophenol	ND		2.1	0.36	mg/Kg	☼	09/27/22 07:34	09/28/22 17:13	1
Dibenzofuran	ND		0.43	0.11	mg/Kg	☼	09/27/22 07:34	09/28/22 17:13	1
2,4-Dinitrotoluene	ND		0.43	0.12	mg/Kg	☼	09/27/22 07:34	09/28/22 17:13	1
2,6-Dinitrotoluene	ND		0.43	0.13	mg/Kg	☼	09/27/22 07:34	09/28/22 17:13	1
Diethyl phthalate	ND		0.43	0.12	mg/Kg	☼	09/27/22 07:34	09/28/22 17:13	1
4-Chlorophenyl phenyl ether	ND		0.43	0.12	mg/Kg	☼	09/27/22 07:34	09/28/22 17:13	1
Fluorene	ND		0.43	0.12	mg/Kg	☼	09/27/22 07:34	09/28/22 17:13	1
4-Nitroaniline	ND		2.1	0.11	mg/Kg	☼	09/27/22 07:34	09/28/22 17:13	1
2-Methyl-4,6-dinitrophenol	ND		2.1	0.10	mg/Kg	☼	09/27/22 07:34	09/28/22 17:13	1
N-Nitrosodiphenylamine	ND		0.43	0.11	mg/Kg	☼	09/27/22 07:34	09/28/22 17:13	1
4-Bromophenyl phenyl ether	ND		0.43	0.11	mg/Kg	☼	09/27/22 07:34	09/28/22 17:13	1
Hexachlorobenzene	ND		0.43	0.12	mg/Kg	☼	09/27/22 07:34	09/28/22 17:13	1
Pentachlorophenol	ND		2.1	0.066	mg/Kg	☼	09/27/22 07:34	09/28/22 17:13	1
Phenanthrene	ND		0.43	0.12	mg/Kg	☼	09/27/22 07:34	09/28/22 17:13	1
Anthracene	ND		0.43	0.11	mg/Kg	☼	09/27/22 07:34	09/28/22 17:13	1
Di-n-butyl phthalate	ND		0.43	0.13	mg/Kg	☼	09/27/22 07:34	09/28/22 17:13	1
Fluoranthene	ND		0.43	0.12	mg/Kg	☼	09/27/22 07:34	09/28/22 17:13	1
Pyrene	ND		0.43	0.12	mg/Kg	☼	09/27/22 07:34	09/28/22 17:13	1
Butyl benzyl phthalate	ND		0.43	0.12	mg/Kg	☼	09/27/22 07:34	09/28/22 17:13	1
3,3'-Dichlorobenzidine	ND		2.1	0.12	mg/Kg	☼	09/27/22 07:34	09/28/22 17:13	1
Benzo[a]anthracene	ND		0.43	0.12	mg/Kg	☼	09/27/22 07:34	09/28/22 17:13	1
Bis(2-ethylhexyl) phthalate	ND		0.43	0.13	mg/Kg	☼	09/27/22 07:34	09/28/22 17:13	1
Chrysene	ND		0.43	0.11	mg/Kg	☼	09/27/22 07:34	09/28/22 17:13	1
Di-n-octyl phthalate	ND		0.43	0.13	mg/Kg	☼	09/27/22 07:34	09/28/22 17:13	1
Benzo[b]fluoranthene	ND		0.43	0.12	mg/Kg	☼	09/27/22 07:34	09/28/22 17:13	1
Benzo[a]pyrene	ND		0.43	0.12	mg/Kg	☼	09/27/22 07:34	09/28/22 17:13	1
Benzo[k]fluoranthene	ND		0.43	0.15	mg/Kg	☼	09/27/22 07:34	09/28/22 17:13	1
Indeno[1,2,3-cd]pyrene	ND		0.43	0.12	mg/Kg	☼	09/27/22 07:34	09/28/22 17:13	1

Client Sample ID: MHSSF-ENV-F@0.5'

Date Collected: 09/21/22 13:00
Date Received: 09/23/22 18:45

Lab Sample ID: 320-92432-6

Matrix: Solid
Percent Solids: 75.8

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.43	0.14	mg/Kg	☼	09/27/22 07:34	09/28/22 17:13	1
Benzoic acid	ND		2.1	0.37	mg/Kg	☼	09/27/22 07:34	09/28/22 17:13	1
Azobenzene	ND		0.43	0.12	mg/Kg	☼	09/27/22 07:34	09/28/22 17:13	1
Dibenz(a,h)anthracene	ND		0.43	0.13	mg/Kg	☼	09/27/22 07:34	09/28/22 17:13	1
Pyridine	ND		0.85	0.093	mg/Kg	☼	09/27/22 07:34	09/28/22 17:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*66*		*54 - 114*	*09/27/22 07:34*	*09/28/22 17:13*	*1*
Terphenyl-d14	*89*		*66 - 126*	*09/27/22 07:34*	*09/28/22 17:13*	*1*
2-Fluorophenol	*75*		*53 - 113*	*09/27/22 07:34*	*09/28/22 17:13*	*1*
Phenol-d5	*79*		*54 - 114*	*09/27/22 07:34*	*09/28/22 17:13*	*1*
2,4,6-Tribromophenol	*103*		*60 - 120*	*09/27/22 07:34*	*09/28/22 17:13*	*1*

Method: EPA 8015C - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**1.2**	**J B**	1.3	0.65	mg/Kg	☼	09/27/22 07:45	09/29/22 03:54	1
Motor Oil Range Organics [C28-C40]	ND		6.5	4.9	mg/Kg	☼	09/27/22 07:45	09/29/22 03:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*48*	*S1-*	*51 - 111*	*09/27/22 07:45*	*09/29/22 03:54*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.0022	0.00018	mg/Kg	☼	09/27/22 10:07	10/06/22 19:18	1
alpha-BHC	ND		0.0022	0.00020	mg/Kg	☼	09/27/22 10:07	10/06/22 19:18	1
beta-BHC	ND		0.0022	0.00028	mg/Kg	☼	09/27/22 10:07	10/06/22 19:18	1
gamma-BHC (Lindane)	ND		0.0022	0.00018	mg/Kg	☼	09/27/22 10:07	10/06/22 19:18	1
delta-BHC	ND		0.0022	0.00044	mg/Kg	☼	09/27/22 10:07	10/06/22 19:18	1
cis-Chlordane	ND		0.0022	0.00023	mg/Kg	☼	09/27/22 10:07	10/06/22 19:18	1
trans-Chlordane	ND		0.0022	0.00076	mg/Kg	☼	09/27/22 10:07	10/06/22 19:18	1
Chlordane (technical)	ND		0.025	0.012	mg/Kg	☼	09/27/22 10:07	10/06/22 19:18	1
4,4'-DDD	ND		0.0022	0.00029	mg/Kg	☼	09/27/22 10:07	10/06/22 19:18	1
4,4'-DDE	ND		0.0022	0.00027	mg/Kg	☼	09/27/22 10:07	10/06/22 19:18	1
4,4'-DDT	ND		0.0022	0.00032	mg/Kg	☼	09/27/22 10:07	10/06/22 19:18	1
Dieldrin	ND		0.0022	0.00025	mg/Kg	☼	09/27/22 10:07	10/06/22 19:18	1
Endosulfan I	ND		0.0022	0.00023	mg/Kg	☼	09/27/22 10:07	10/06/22 19:18	1
Endosulfan II	ND		0.0022	0.00023	mg/Kg	☼	09/27/22 10:07	10/06/22 19:18	1
Endosulfan sulfate	ND		0.0022	0.00044	mg/Kg	☼	09/27/22 10:07	10/06/22 19:18	1
Endrin	ND		0.0022	0.00025	mg/Kg	☼	09/27/22 10:07	10/06/22 19:18	1
Endrin aldehyde	ND		0.0022	0.00072	mg/Kg	☼	09/27/22 10:07	10/06/22 19:18	1
Endrin ketone	ND		0.0022	0.00034	mg/Kg	☼	09/27/22 10:07	10/06/22 19:18	1
Heptachlor	ND		0.0022	0.00019	mg/Kg	☼	09/27/22 10:07	10/06/22 19:18	1
Heptachlor epoxide	ND		0.0022	0.00023	mg/Kg	☼	09/27/22 10:07	10/06/22 19:18	1
Methoxychlor	ND		0.0043	0.00071	mg/Kg	☼	09/27/22 10:07	10/06/22 19:18	1
Toxaphene	ND		0.085	0.028	mg/Kg	☼	09/27/22 10:07	10/06/22 19:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*71*		*46 - 109*	*09/27/22 10:07*	*10/06/22 19:18*	*1*
DCB Decachlorobiphenyl	*78*		*46 - 109*	*09/27/22 10:07*	*10/06/22 19:18*	*1*
Tetrachloro-m-xylene	*69*		*47 - 107*	*09/27/22 10:07*	*10/06/22 19:18*	*1*
Tetrachloro-m-xylene	*64*		*47 - 107*	*09/27/22 10:07*	*10/06/22 19:18*	*1*

Client: Cleary Consultants, Inc
Project/Site: Mzrina High School

Job ID: 320-92432-1

Client Sample ID: MHSSF-ENV-F@0.5'

Date Collected: 09/21/22 13:00
Date Received: 09/23/22 18:45

Lab Sample ID: 320-92432-6

Matrix: Solid
Percent Solids: 75.8

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		42	3.2	ug/Kg	☼	09/27/22 10:56	10/04/22 19:58	1
PCB-1221	ND		42	4.6	ug/Kg	☼	09/27/22 10:56	10/04/22 19:58	1
PCB-1232	ND		42	6.1	ug/Kg	☼	09/27/22 10:56	10/04/22 19:58	1
PCB-1242	ND		42	7.5	ug/Kg	☼	09/27/22 10:56	10/04/22 19:58	1
PCB-1248	ND		42	3.1	ug/Kg	☼	09/27/22 10:56	10/04/22 19:58	1
PCB-1254	ND		42	4.8	ug/Kg	☼	09/27/22 10:56	10/04/22 19:58	1
PCB-1260	ND		42	3.4	ug/Kg	☼	09/27/22 10:56	10/04/22 19:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*130*		*52 - 138*	*09/27/22 10:56*	*10/04/22 19:58*	*1*

Method: SW846 7199 - Chromium, Hexavalent (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	ND		0.52	0.25	mg/Kg	☼	09/29/22 02:00	09/29/22 09:39	10

Method: SW846 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**5.2**		1.3	0.61	mg/Kg	☼	09/26/22 16:00	09/27/22 14:18	1
Arsenic	**1.6**		1.3	0.84	mg/Kg	☼	09/26/22 16:00	09/27/22 14:18	1
Barium	**17**		0.65	0.078	mg/Kg	☼	09/26/22 16:00	09/27/22 14:18	1
Beryllium	**0.11**	**J**	0.13	0.019	mg/Kg	☼	09/26/22 16:00	09/27/22 14:18	1
Cadmium	**0.063**	**J**	0.13	0.019	mg/Kg	☼	09/26/22 16:00	09/27/22 14:18	1
Chromium	**11**		0.32	0.090	mg/Kg	☼	09/26/22 16:00	09/27/22 14:18	1
Cobalt	**1.7**		0.32	0.16	mg/Kg	☼	09/26/22 16:00	09/27/22 14:18	1
Copper	**4.8**		0.97	0.14	mg/Kg	☼	09/26/22 16:00	09/27/22 14:18	1
Lead	**2.1**		0.65	0.17	mg/Kg	☼	09/26/22 16:00	09/27/22 14:18	1
Molybdenum	ND		1.3	0.48	mg/Kg	☼	09/26/22 16:00	09/27/22 14:18	1
Nickel	**9.2**		0.65	0.16	mg/Kg	☼	09/26/22 16:00	09/27/22 14:18	1
Selenium	ND		1.3	0.90	mg/Kg	☼	09/26/22 16:00	09/27/22 14:18	1
Silver	ND		0.32	0.058	mg/Kg	☼	09/26/22 16:00	09/27/22 14:18	1
Thallium	ND		1.3	0.54	mg/Kg	☼	09/26/22 16:00	09/27/22 14:18	1
Vanadium	**8.1**		0.32	0.12	mg/Kg	☼	09/26/22 16:00	09/27/22 14:18	1
Zinc	**10**		1.3	0.12	mg/Kg	☼	09/26/22 16:00	09/27/22 14:18	1

Method: SW846 6010B - Metals (ICP) - STLC Citrate

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**0.038**	**J B**	0.10	0.012	mg/L			10/03/22 13:26	10
Arsenic	ND		0.20	0.12	mg/L			10/03/22 13:26	10
Chromium	**0.040**	**J**	0.10	0.0060	mg/L			10/03/22 13:26	10

Method: SW846 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.012**	**J**	0.049	0.0099	mg/Kg	☼	09/29/22 12:49	09/29/22 16:21	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (ASTM D 2216)	**24.2**		0.1	0.1	%			09/26/22 15:18	1

Client: Cleary Consultants, Inc
Project/Site: Mzrina High School

Job ID: 320-92432-1

Client Sample ID: MHSSF-ENV-G@0.5'
Date Collected: 09/22/22 08:00
Date Received: 09/23/22 18:45

Lab Sample ID: 320-92432-7
Matrix: Solid
Percent Solids: 79.6

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.012	0.00074	mg/Kg	☼	09/26/22 11:12	09/28/22 18:00	1
Acetone	ND		0.025	0.0017	mg/Kg	☼	09/26/22 11:12	09/28/22 18:00	1
Benzene	ND		0.0062	0.00032	mg/Kg	☼	09/26/22 11:12	09/28/22 18:00	1
Dichlorobromomethane	ND		0.0062	0.00066	mg/Kg	☼	09/26/22 11:12	09/28/22 18:00	1
Bromobenzene	ND		0.0062	0.00065	mg/Kg	☼	09/26/22 11:12	09/28/22 18:00	1
Chlorobromomethane	ND		0.0062	0.0012	mg/Kg	☼	09/26/22 11:12	09/28/22 18:00	1
Bromoform	ND		0.0062	0.00050	mg/Kg	☼	09/26/22 11:12	09/28/22 18:00	1
Bromomethane	ND		0.0062	0.0011	mg/Kg	☼	09/26/22 11:12	09/28/22 18:00	1
2-Butanone (MEK)	ND		0.012	0.0017	mg/Kg	☼	09/26/22 11:12	09/28/22 18:00	1
n-Butylbenzene	ND		0.0062	0.00082	mg/Kg	☼	09/26/22 11:12	09/28/22 18:00	1
sec-Butylbenzene	ND		0.0062	0.00093	mg/Kg	☼	09/26/22 11:12	09/28/22 18:00	1
tert-Butylbenzene	ND		0.0062	0.00067	mg/Kg	☼	09/26/22 11:12	09/28/22 18:00	1
Carbon disulfide	ND		0.012	0.00061	mg/Kg	☼	09/26/22 11:12	09/28/22 18:00	1
Carbon tetrachloride	ND		0.0062	0.00066	mg/Kg	☼	09/26/22 11:12	09/28/22 18:00	1
Chlorobenzene	ND		0.0062	0.00036	mg/Kg	☼	09/26/22 11:12	09/28/22 18:00	1
Chloroethane	ND		0.0062	0.00056	mg/Kg	☼	09/26/22 11:12	09/28/22 18:00	1
Chloroform	ND		0.0062	0.00032	mg/Kg	☼	09/26/22 11:12	09/28/22 18:00	1
Chloromethane	ND		0.0062	0.00062	mg/Kg	☼	09/26/22 11:12	09/28/22 18:00	1
2-Chlorotoluene	ND		0.0062	0.00077	mg/Kg	☼	09/26/22 11:12	09/28/22 18:00	1
4-Chlorotoluene	ND		0.0062	0.0011	mg/Kg	☼	09/26/22 11:12	09/28/22 18:00	1
Chlorodibromomethane	ND		0.0062	0.00026	mg/Kg	☼	09/26/22 11:12	09/28/22 18:00	1
1,2-Dichlorobenzene	ND		0.0062	0.00079	mg/Kg	☼	09/26/22 11:12	09/28/22 18:00	1
1,3-Dichlorobenzene	ND		0.0062	0.00037	mg/Kg	☼	09/26/22 11:12	09/28/22 18:00	1
1,4-Dichlorobenzene	ND		0.0062	0.00097	mg/Kg	☼	09/26/22 11:12	09/28/22 18:00	1
1,3-Dichloropropane	ND		0.0062	0.00071	mg/Kg	☼	09/26/22 11:12	09/28/22 18:00	1
1,1-Dichloropropene	ND		0.0062	0.00046	mg/Kg	☼	09/26/22 11:12	09/28/22 18:00	1
1,2-Dibromo-3-Chloropropane	ND		0.012	0.0011	mg/Kg	☼	09/26/22 11:12	09/28/22 18:00	1
Ethylene Dibromide	ND		0.012	0.00034	mg/Kg	☼	09/26/22 11:12	09/28/22 18:00	1
Dibromomethane	ND		0.0062	0.00072	mg/Kg	☼	09/26/22 11:12	09/28/22 18:00	1
Dichlorodifluoromethane	ND		0.0062	0.0011	mg/Kg	☼	09/26/22 11:12	09/28/22 18:00	1
1,1-Dichloroethane	ND		0.0062	0.00036	mg/Kg	☼	09/26/22 11:12	09/28/22 18:00	1
1,2-Dichloroethane	ND		0.0062	0.00091	mg/Kg	☼	09/26/22 11:12	09/28/22 18:00	1
1,1-Dichloroethene	ND		0.0062	0.00032	mg/Kg	☼	09/26/22 11:12	09/28/22 18:00	1
cis-1,2-Dichloroethene	ND		0.0062	0.0011	mg/Kg	☼	09/26/22 11:12	09/28/22 18:00	1
trans-1,2-Dichloroethene	ND		0.0062	0.00047	mg/Kg	☼	09/26/22 11:12	09/28/22 18:00	1
1,2-Dichloropropane	ND		0.0062	0.00074	mg/Kg	☼	09/26/22 11:12	09/28/22 18:00	1
cis-1,3-Dichloropropene	ND		0.0062	0.00079	mg/Kg	☼	09/26/22 11:12	09/28/22 18:00	1
trans-1,3-Dichloropropene	ND		0.0062	0.00093	mg/Kg	☼	09/26/22 11:12	09/28/22 18:00	1
Ethylbenzene	ND		0.0062	0.00042	mg/Kg	☼	09/26/22 11:12	09/28/22 18:00	1
Hexachlorobutadiene	ND		0.0062	0.00041	mg/Kg	☼	09/26/22 11:12	09/28/22 18:00	1
2-Hexanone	ND		0.012	0.00092	mg/Kg	☼	09/26/22 11:12	09/28/22 18:00	1
Isopropylbenzene	ND		0.0062	0.00065	mg/Kg	☼	09/26/22 11:12	09/28/22 18:00	1
4-Isopropyltoluene	ND		0.0062	0.00078	mg/Kg	☼	09/26/22 11:12	09/28/22 18:00	1
Methylene Chloride	ND		0.012	0.0010	mg/Kg	☼	09/26/22 11:12	09/28/22 18:00	1
4-Methyl-2-pentanone (MIBK)	ND		0.012	0.0011	mg/Kg	☼	09/26/22 11:12	09/28/22 18:00	1
Naphthalene	ND		0.0062	0.00078	mg/Kg	☼	09/26/22 11:12	09/28/22 18:00	1
N-Propylbenzene	ND		0.0062	0.00036	mg/Kg	☼	09/26/22 11:12	09/28/22 18:00	1
Styrene	ND		0.0062	0.00038	mg/Kg	☼	09/26/22 11:12	09/28/22 18:00	1
1,1,1,2-Tetrachloroethane	ND		0.0062	0.00051	mg/Kg	☼	09/26/22 11:12	09/28/22 18:00	1

Client: Cleary Consultants, Inc
Project/Site: Mzrina High School

Job ID: 320-92432-1

Client Sample ID: MHSSF-ENV-G@0.5'
Date Collected: 09/22/22 08:00
Date Received: 09/23/22 18:45

Lab Sample ID: 320-92432-7
Matrix: Solid
Percent Solids: 79.6

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		0.0062	0.00084	mg/Kg	☼	09/26/22 11:12	09/28/22 18:00	1
Tetrachloroethene	ND		0.0062	0.00076	mg/Kg	☼	09/26/22 11:12	09/28/22 18:00	1
Toluene	ND		0.0062	0.00076	mg/Kg	☼	09/26/22 11:12	09/28/22 18:00	1
1,2,3-Trichlorobenzene	ND		0.0062	0.00093	mg/Kg	☼	09/26/22 11:12	09/28/22 18:00	1
1,2,4-Trichlorobenzene	ND		0.0062	0.00093	mg/Kg	☼	09/26/22 11:12	09/28/22 18:00	1
1,1,1-Trichloroethane	ND		0.0062	0.00045	mg/Kg	☼	09/26/22 11:12	09/28/22 18:00	1
1,1,2-Trichloroethane	ND		0.0062	0.00055	mg/Kg	☼	09/26/22 11:12	09/28/22 18:00	1
Trichloroethene	ND		0.0062	0.00074	mg/Kg	☼	09/26/22 11:12	09/28/22 18:00	1
Trichlorofluoromethane	ND		0.0062	0.00042	mg/Kg	☼	09/26/22 11:12	09/28/22 18:00	1
1,2,3-Trichloropropane	ND		0.0062	0.00094	mg/Kg	☼	09/26/22 11:12	09/28/22 18:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.012	0.0010	mg/Kg	☼	09/26/22 11:12	09/28/22 18:00	1
1,2,4-Trimethylbenzene	ND		0.0062	0.00063	mg/Kg	☼	09/26/22 11:12	09/28/22 18:00	1
1,3,5-Trimethylbenzene	ND		0.0062	0.00043	mg/Kg	☼	09/26/22 11:12	09/28/22 18:00	1
Vinyl acetate	ND		0.012	0.00086	mg/Kg	☼	09/26/22 11:12	09/28/22 18:00	1
Vinyl chloride	ND		0.0062	0.00045	mg/Kg	☼	09/26/22 11:12	09/28/22 18:00	1
Xylenes, Total	ND		0.0062	0.0010	mg/Kg	☼	09/26/22 11:12	09/28/22 18:00	1
2,2-Dichloropropane	ND		0.0062	0.00047	mg/Kg	☼	09/26/22 11:12	09/28/22 18:00	1
Gasoline Range Organics (C4-C12)	ND		620	62	ug/Kg	☼	09/26/22 11:12	09/28/22 18:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*63 - 143*	*09/26/22 11:12*	*09/28/22 18:00*	*1*
Dibromofluoromethane (Surr)	*96*		*55 - 129*	*09/26/22 11:12*	*09/28/22 18:00*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*32 - 156*	*09/26/22 11:12*	*09/28/22 18:00*	*1*
Toluene-d8 (Surr)	*105*		*63 - 138*	*09/26/22 11:12*	*09/28/22 18:00*	*1*

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.40	0.10	mg/Kg	☼	09/27/22 07:34	09/28/22 17:38	1
Bis(2-chloroethyl)ether	ND		0.40	0.099	mg/Kg	☼	09/27/22 07:34	09/28/22 17:38	1
2-Chlorophenol	ND		0.40	0.11	mg/Kg	☼	09/27/22 07:34	09/28/22 17:38	1
1,3-Dichlorobenzene	ND		0.40	0.096	mg/Kg	☼	09/27/22 07:34	09/28/22 17:38	1
1,4-Dichlorobenzene	ND		0.40	0.094	mg/Kg	☼	09/27/22 07:34	09/28/22 17:38	1
Benzyl alcohol	ND		0.40	0.21	mg/Kg	☼	09/27/22 07:34	09/28/22 17:38	1
1,2-Dichlorobenzene	ND		0.40	0.092	mg/Kg	☼	09/27/22 07:34	09/28/22 17:38	1
2-Methylphenol	ND		0.40	0.071	mg/Kg	☼	09/27/22 07:34	09/28/22 17:38	1
N-Nitrosodi-n-propylamine	ND		0.40	0.10	mg/Kg	☼	09/27/22 07:34	09/28/22 17:38	1
Hexachloroethane	ND		0.40	0.099	mg/Kg	☼	09/27/22 07:34	09/28/22 17:38	1
Nitrobenzene	ND		0.40	0.093	mg/Kg	☼	09/27/22 07:34	09/28/22 17:38	1
Isophorone	ND		0.40	0.11	mg/Kg	☼	09/27/22 07:34	09/28/22 17:38	1
2-Nitrophenol	ND		0.40	0.10	mg/Kg	☼	09/27/22 07:34	09/28/22 17:38	1
2,4-Dimethylphenol	ND		0.40	0.20	mg/Kg	☼	09/27/22 07:34	09/28/22 17:38	1
Bis(2-chloroethoxy)methane	ND		0.40	0.11	mg/Kg	☼	09/27/22 07:34	09/28/22 17:38	1
2,4-Dichlorophenol	ND		0.40	0.11	mg/Kg	☼	09/27/22 07:34	09/28/22 17:38	1
1,2,4-Trichlorobenzene	ND		0.40	0.10	mg/Kg	☼	09/27/22 07:34	09/28/22 17:38	1
Naphthalene	ND		0.40	0.10	mg/Kg	☼	09/27/22 07:34	09/28/22 17:38	1
4-Chloroaniline	ND		0.40	0.071	mg/Kg	☼	09/27/22 07:34	09/28/22 17:38	1
Hexachlorobutadiene	ND		0.40	0.10	mg/Kg	☼	09/27/22 07:34	09/28/22 17:38	1
4-Chloro-3-methylphenol	ND		0.40	0.11	mg/Kg	☼	09/27/22 07:34	09/28/22 17:38	1
2-Methylnaphthalene	ND		0.40	0.10	mg/Kg	☼	09/27/22 07:34	09/28/22 17:38	1
Hexachlorocyclopentadiene	ND		2.0	0.076	mg/Kg	☼	09/27/22 07:34	09/28/22 17:38	1

Client: Cleary Consultants, Inc
Project/Site: Mzrina High School

Job ID: 320-92432-1

Client Sample ID: MHSSF-ENV-G@0.5'
Date Collected: 09/22/22 08:00
Date Received: 09/23/22 18:45

Lab Sample ID: 320-92432-7
Matrix: Solid
Percent Solids: 79.6

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trichlorophenol	ND		0.40	0.10	mg/Kg	☼	09/27/22 07:34	09/28/22 17:38	1
2,4,5-Trichlorophenol	ND		0.40	0.10	mg/Kg	☼	09/27/22 07:34	09/28/22 17:38	1
2-Chloronaphthalene	ND		0.40	0.099	mg/Kg	☼	09/27/22 07:34	09/28/22 17:38	1
2-Nitroaniline	ND		2.0	0.10	mg/Kg	☼	09/27/22 07:34	09/28/22 17:38	1
Dimethyl phthalate	ND		0.40	0.11	mg/Kg	☼	09/27/22 07:34	09/28/22 17:38	1
Acenaphthylene	ND		0.40	0.10	mg/Kg	☼	09/27/22 07:34	09/28/22 17:38	1
3-Nitroaniline	ND		2.0	0.20	mg/Kg	☼	09/27/22 07:34	09/28/22 17:38	1
3-Methylphenol & 4-Methylphenol	ND		0.81	0.40	mg/Kg	☼	09/27/22 07:34	09/28/22 17:38	1
Acenaphthene	ND		0.40	0.10	mg/Kg	☼	09/27/22 07:34	09/28/22 17:38	1
2,4-Dinitrophenol	ND	*+	2.0	0.26	mg/Kg	☼	09/27/22 07:34	09/28/22 17:38	1
4-Nitrophenol	ND		2.0	0.34	mg/Kg	☼	09/27/22 07:34	09/28/22 17:38	1
Dibenzofuran	ND		0.40	0.11	mg/Kg	☼	09/27/22 07:34	09/28/22 17:38	1
2,4-Dinitrotoluene	ND		0.40	0.11	mg/Kg	☼	09/27/22 07:34	09/28/22 17:38	1
2,6-Dinitrotoluene	ND		0.40	0.12	mg/Kg	☼	09/27/22 07:34	09/28/22 17:38	1
Diethyl phthalate	ND		0.40	0.11	mg/Kg	☼	09/27/22 07:34	09/28/22 17:38	1
4-Chlorophenyl phenyl ether	ND		0.40	0.11	mg/Kg	☼	09/27/22 07:34	09/28/22 17:38	1
Fluorene	ND		0.40	0.11	mg/Kg	☼	09/27/22 07:34	09/28/22 17:38	1
4-Nitroaniline	ND		2.0	0.11	mg/Kg	☼	09/27/22 07:34	09/28/22 17:38	1
2-Methyl-4,6-dinitrophenol	ND		2.0	0.099	mg/Kg	☼	09/27/22 07:34	09/28/22 17:38	1
N-Nitrosodiphenylamine	ND		0.40	0.11	mg/Kg	☼	09/27/22 07:34	09/28/22 17:38	1
4-Bromophenyl phenyl ether	ND		0.40	0.10	mg/Kg	☼	09/27/22 07:34	09/28/22 17:38	1
Hexachlorobenzene	ND		0.40	0.11	mg/Kg	☼	09/27/22 07:34	09/28/22 17:38	1
Pentachlorophenol	ND		2.0	0.063	mg/Kg	☼	09/27/22 07:34	09/28/22 17:38	1
Phenanthrene	ND		0.40	0.12	mg/Kg	☼	09/27/22 07:34	09/28/22 17:38	1
Anthracene	ND		0.40	0.11	mg/Kg	☼	09/27/22 07:34	09/28/22 17:38	1
Di-n-butyl phthalate	ND		0.40	0.12	mg/Kg	☼	09/27/22 07:34	09/28/22 17:38	1
Fluoranthene	ND		0.40	0.12	mg/Kg	☼	09/27/22 07:34	09/28/22 17:38	1
Pyrene	ND		0.40	0.12	mg/Kg	☼	09/27/22 07:34	09/28/22 17:38	1
Butyl benzyl phthalate	ND		0.40	0.12	mg/Kg	☼	09/27/22 07:34	09/28/22 17:38	1
3,3'-Dichlorobenzidine	ND		2.0	0.12	mg/Kg	☼	09/27/22 07:34	09/28/22 17:38	1
Benzo[a]anthracene	ND		0.40	0.11	mg/Kg	☼	09/27/22 07:34	09/28/22 17:38	1
Bis(2-ethylhexyl) phthalate	ND		0.40	0.12	mg/Kg	☼	09/27/22 07:34	09/28/22 17:38	1
Chrysene	ND		0.40	0.10	mg/Kg	☼	09/27/22 07:34	09/28/22 17:38	1
Di-n-octyl phthalate	ND		0.40	0.12	mg/Kg	☼	09/27/22 07:34	09/28/22 17:38	1
Benzo[b]fluoranthene	ND		0.40	0.12	mg/Kg	☼	09/27/22 07:34	09/28/22 17:38	1
Benzo[a]pyrene	ND		0.40	0.12	mg/Kg	☼	09/27/22 07:34	09/28/22 17:38	1
Benzo[k]fluoranthene	ND		0.40	0.14	mg/Kg	☼	09/27/22 07:34	09/28/22 17:38	1
Indeno[1,2,3-cd]pyrene	ND		0.40	0.12	mg/Kg	☼	09/27/22 07:34	09/28/22 17:38	1
Benzo[g,h,i]perylene	ND		0.40	0.13	mg/Kg	☼	09/27/22 07:34	09/28/22 17:38	1
Benzoic acid	ND		2.0	0.35	mg/Kg	☼	09/27/22 07:34	09/28/22 17:38	1
Azobenzene	ND		0.40	0.11	mg/Kg	☼	09/27/22 07:34	09/28/22 17:38	1
Dibenz(a,h)anthracene	ND		0.40	0.13	mg/Kg	☼	09/27/22 07:34	09/28/22 17:38	1
Pyridine	ND		0.81	0.088	mg/Kg	☼	09/27/22 07:34	09/28/22 17:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*71*		*54 - 114*	*09/27/22 07:34*	*09/28/22 17:38*	*1*
Terphenyl-d14	*87*		*66 - 126*	*09/27/22 07:34*	*09/28/22 17:38*	*1*
2-Fluorophenol	*76*		*53 - 113*	*09/27/22 07:34*	*09/28/22 17:38*	*1*
Phenol-d5	*76*		*54 - 114*	*09/27/22 07:34*	*09/28/22 17:38*	*1*
2,4,6-Tribromophenol	*94*		*60 - 120*	*09/27/22 07:34*	*09/28/22 17:38*	*1*

Client Sample ID: MHSSF-ENV-G@0.5'

Date Collected: 09/22/22 08:00
Date Received: 09/23/22 18:45

Lab Sample ID: 320-92432-7

Matrix: Solid
Percent Solids: 79.6

Method: EPA 8015C - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	0.85	J B	1.2	0.62	mg/Kg	☼	09/27/22 07:45	09/29/22 04:22	1
Motor Oil Range Organics [C28-C40]	ND		6.2	4.7	mg/Kg	☼	09/27/22 07:45	09/29/22 04:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*54*		*51 - 111*	*09/27/22 07:45*	*09/29/22 04:22*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.0021	0.00018	mg/Kg	☼	09/27/22 10:07	10/06/22 19:37	1
alpha-BHC	ND		0.0021	0.00020	mg/Kg	☼	09/27/22 10:07	10/06/22 19:37	1
beta-BHC	ND		0.0021	0.00028	mg/Kg	☼	09/27/22 10:07	10/06/22 19:37	1
gamma-BHC (Lindane)	ND		0.0021	0.00018	mg/Kg	☼	09/27/22 10:07	10/06/22 19:37	1
delta-BHC	ND		0.0021	0.00044	mg/Kg	☼	09/27/22 10:07	10/06/22 19:37	1
cis-Chlordane	ND		0.0021	0.00023	mg/Kg	☼	09/27/22 10:07	10/06/22 19:37	1
trans-Chlordane	ND		0.0021	0.00075	mg/Kg	☼	09/27/22 10:07	10/06/22 19:37	1
Chlordane (technical)	ND		0.025	0.012	mg/Kg	☼	09/27/22 10:07	10/06/22 19:37	1
4,4'-DDD	ND		0.0021	0.00029	mg/Kg	☼	09/27/22 10:07	10/06/22 19:37	1
4,4'-DDE	0.00037	J	0.0021	0.00026	mg/Kg	☼	09/27/22 10:07	10/06/22 19:37	1
4,4'-DDT	ND		0.0021	0.00031	mg/Kg	☼	09/27/22 10:07	10/06/22 19:37	1
Dieldrin	ND		0.0021	0.00025	mg/Kg	☼	09/27/22 10:07	10/06/22 19:37	1
Endosulfan I	ND		0.0021	0.00023	mg/Kg	☼	09/27/22 10:07	10/06/22 19:37	1
Endosulfan II	ND		0.0021	0.00023	mg/Kg	☼	09/27/22 10:07	10/06/22 19:37	1
Endosulfan sulfate	ND		0.0021	0.00044	mg/Kg	☼	09/27/22 10:07	10/06/22 19:37	1
Endrin	ND		0.0021	0.00025	mg/Kg	☼	09/27/22 10:07	10/06/22 19:37	1
Endrin aldehyde	ND		0.0021	0.00071	mg/Kg	☼	09/27/22 10:07	10/06/22 19:37	1
Endrin ketone	ND		0.0021	0.00034	mg/Kg	☼	09/27/22 10:07	10/06/22 19:37	1
Heptachlor	ND		0.0021	0.00019	mg/Kg	☼	09/27/22 10:07	10/06/22 19:37	1
Heptachlor epoxide	ND		0.0021	0.00023	mg/Kg	☼	09/27/22 10:07	10/06/22 19:37	1
Methoxychlor	ND		0.0043	0.00070	mg/Kg	☼	09/27/22 10:07	10/06/22 19:37	1
Toxaphene	ND		0.084	0.028	mg/Kg	☼	09/27/22 10:07	10/06/22 19:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*73*		*46 - 109*	*09/27/22 10:07*	*10/06/22 19:37*	*1*
DCB Decachlorobiphenyl	*81*		*46 - 109*	*09/27/22 10:07*	*10/06/22 19:37*	*1*
Tetrachloro-m-xylene	*69*		*47 - 107*	*09/27/22 10:07*	*10/06/22 19:37*	*1*
Tetrachloro-m-xylene	*63*		*47 - 107*	*09/27/22 10:07*	*10/06/22 19:37*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		41	3.2	ug/Kg	☼	09/27/22 10:56	10/04/22 20:18	1
PCB-1221	ND		41	4.5	ug/Kg	☼	09/27/22 10:56	10/04/22 20:18	1
PCB-1232	ND		41	6.0	ug/Kg	☼	09/27/22 10:56	10/04/22 20:18	1
PCB-1242	ND		41	7.4	ug/Kg	☼	09/27/22 10:56	10/04/22 20:18	1
PCB-1248	ND		41	3.1	ug/Kg	☼	09/27/22 10:56	10/04/22 20:18	1
PCB-1254	ND		41	4.8	ug/Kg	☼	09/27/22 10:56	10/04/22 20:18	1
PCB-1260	ND		41	3.4	ug/Kg	☼	09/27/22 10:56	10/04/22 20:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*124*		*52 - 138*	*09/27/22 10:56*	*10/04/22 20:18*	*1*

Client Sample ID: MHSSF-ENV-G@0.5'

Lab Sample ID: 320-92432-7
Date Collected: 09/22/22 08:00
Matrix: Solid
Date Received: 09/23/22 18:45
Percent Solids: 79.6

Method: SW846 7199 - Chromium, Hexavalent (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	ND		0.050	0.024	mg/Kg	☼	09/29/22 02:00	09/29/22 09:49	1

Method: SW846 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.9		1.6	0.76	mg/Kg	☼	09/26/22 16:00	09/27/22 14:29	1
Arsenic	1.3	J	1.6	1.1	mg/Kg	☼	09/26/22 16:00	09/27/22 14:29	1
Barium	9.7		0.81	0.097	mg/Kg	☼	09/26/22 16:00	09/27/22 14:29	1
Beryllium	0.091	J	0.16	0.024	mg/Kg	☼	09/26/22 16:00	09/27/22 14:29	1
Cadmium	0.062	J	0.16	0.024	mg/Kg	☼	09/26/22 16:00	09/27/22 14:29	1
Chromium	6.6		0.41	0.11	mg/Kg	☼	09/26/22 16:00	09/27/22 14:29	1
Cobalt	0.90		0.41	0.20	mg/Kg	☼	09/26/22 16:00	09/27/22 14:29	1
Copper	1.7		1.2	0.18	mg/Kg	☼	09/26/22 16:00	09/27/22 14:29	1
Lead	1.2		0.81	0.21	mg/Kg	☼	09/26/22 16:00	09/27/22 14:29	1
Molybdenum	ND		1.6	0.61	mg/Kg	☼	09/26/22 16:00	09/27/22 14:29	1
Nickel	5.4		0.81	0.19	mg/Kg	☼	09/26/22 16:00	09/27/22 14:29	1
Selenium	ND		1.6	1.1	mg/Kg	☼	09/26/22 16:00	09/27/22 14:29	1
Silver	ND		0.41	0.073	mg/Kg	☼	09/26/22 16:00	09/27/22 14:29	1
Thallium	ND		1.6	0.68	mg/Kg	☼	09/26/22 16:00	09/27/22 14:29	1
Vanadium	4.5		0.41	0.15	mg/Kg	☼	09/26/22 16:00	09/27/22 14:29	1
Zinc	5.2		1.6	0.15	mg/Kg	☼	09/26/22 16:00	09/27/22 14:29	1

Method: SW846 6010B - Metals (ICP) - STLC Citrate

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.18	B	0.10	0.012	mg/L			10/03/22 13:30	10
Arsenic	ND		0.20	0.12	mg/L			10/03/22 13:30	10
Chromium	0.023	J	0.10	0.0060	mg/L			10/03/22 13:30	10

Method: SW846 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.047	0.0094	mg/Kg	☼	09/29/22 12:49	09/29/22 16:23	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (ASTM D 2216)	20.4		0.1	0.1	%			09/26/22 15:18	1

Client Sample ID: MHSSF-ENV-H@0.5'

Lab Sample ID: 320-92432-8
Date Collected: 09/22/22 09:00
Matrix: Solid
Date Received: 09/23/22 18:45
Percent Solids: 92.0

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.011	0.00065	mg/Kg	☼	09/26/22 11:12	09/28/22 18:22	1
Acetone	ND		0.022	0.0015	mg/Kg	☼	09/26/22 11:12	09/28/22 18:22	1
Benzene	ND		0.0054	0.00028	mg/Kg	☼	09/26/22 11:12	09/28/22 18:22	1
Dichlorobromomethane	ND		0.0054	0.00057	mg/Kg	☼	09/26/22 11:12	09/28/22 18:22	1
Bromobenzene	ND		0.0054	0.00056	mg/Kg	☼	09/26/22 11:12	09/28/22 18:22	1
Chlorobromomethane	ND		0.0054	0.0010	mg/Kg	☼	09/26/22 11:12	09/28/22 18:22	1
Bromoform	ND		0.0054	0.00043	mg/Kg	☼	09/26/22 11:12	09/28/22 18:22	1
Bromomethane	ND		0.0054	0.00093	mg/Kg	☼	09/26/22 11:12	09/28/22 18:22	1
2-Butanone (MEK)	ND		0.011	0.0015	mg/Kg	☼	09/26/22 11:12	09/28/22 18:22	1
n-Butylbenzene	ND		0.0054	0.00071	mg/Kg	☼	09/26/22 11:12	09/28/22 18:22	1

Client: Cleary Consultants, Inc
Project/Site: Mzrina High School

Job ID: 320-92432-1

Client Sample ID: MHSSF-ENV-H@0.5'
Date Collected: 09/22/22 09:00
Date Received: 09/23/22 18:45

Lab Sample ID: 320-92432-8
Matrix: Solid
Percent Solids: 92.0

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		0.0054	0.00081	mg/Kg	☼	09/26/22 11:12	09/28/22 18:22	1
tert-Butylbenzene	ND		0.0054	0.00058	mg/Kg	☼	09/26/22 11:12	09/28/22 18:22	1
Carbon disulfide	ND		0.011	0.00053	mg/Kg	☼	09/26/22 11:12	09/28/22 18:22	1
Carbon tetrachloride	ND		0.0054	0.00057	mg/Kg	☼	09/26/22 11:12	09/28/22 18:22	1
Chlorobenzene	ND		0.0054	0.00031	mg/Kg	☼	09/26/22 11:12	09/28/22 18:22	1
Chloroethane	ND		0.0054	0.00049	mg/Kg	☼	09/26/22 11:12	09/28/22 18:22	1
Chloroform	ND		0.0054	0.00028	mg/Kg	☼	09/26/22 11:12	09/28/22 18:22	1
Chloromethane	ND		0.0054	0.00054	mg/Kg	☼	09/26/22 11:12	09/28/22 18:22	1
2-Chlorotoluene	ND		0.0054	0.00067	mg/Kg	☼	09/26/22 11:12	09/28/22 18:22	1
4-Chlorotoluene	ND		0.0054	0.00093	mg/Kg	☼	09/26/22 11:12	09/28/22 18:22	1
Chlorodibromomethane	ND		0.0054	0.00023	mg/Kg	☼	09/26/22 11:12	09/28/22 18:22	1
1,2-Dichlorobenzene	ND		0.0054	0.00069	mg/Kg	☼	09/26/22 11:12	09/28/22 18:22	1
1,3-Dichlorobenzene	ND		0.0054	0.00032	mg/Kg	☼	09/26/22 11:12	09/28/22 18:22	1
1,4-Dichlorobenzene	ND		0.0054	0.00084	mg/Kg	☼	09/26/22 11:12	09/28/22 18:22	1
1,3-Dichloropropane	ND		0.0054	0.00062	mg/Kg	☼	09/26/22 11:12	09/28/22 18:22	1
1,1-Dichloropropene	ND		0.0054	0.00040	mg/Kg	☼	09/26/22 11:12	09/28/22 18:22	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.00095	mg/Kg	☼	09/26/22 11:12	09/28/22 18:22	1
Ethylene Dibromide	ND		0.011	0.00029	mg/Kg	☼	09/26/22 11:12	09/28/22 18:22	1
Dibromomethane	ND		0.0054	0.00063	mg/Kg	☼	09/26/22 11:12	09/28/22 18:22	1
Dichlorodifluoromethane	ND		0.0054	0.00096	mg/Kg	☼	09/26/22 11:12	09/28/22 18:22	1
1,1-Dichloroethane	ND		0.0054	0.00031	mg/Kg	☼	09/26/22 11:12	09/28/22 18:22	1
1,2-Dichloroethane	ND		0.0054	0.00079	mg/Kg	☼	09/26/22 11:12	09/28/22 18:22	1
1,1-Dichloroethene	ND		0.0054	0.00028	mg/Kg	☼	09/26/22 11:12	09/28/22 18:22	1
cis-1,2-Dichloroethene	ND		0.0054	0.00096	mg/Kg	☼	09/26/22 11:12	09/28/22 18:22	1
trans-1,2-Dichloroethene	ND		0.0054	0.00041	mg/Kg	☼	09/26/22 11:12	09/28/22 18:22	1
1,2-Dichloropropane	ND		0.0054	0.00065	mg/Kg	☼	09/26/22 11:12	09/28/22 18:22	1
cis-1,3-Dichloropropene	ND		0.0054	0.00069	mg/Kg	☼	09/26/22 11:12	09/28/22 18:22	1
trans-1,3-Dichloropropene	ND		0.0054	0.00081	mg/Kg	☼	09/26/22 11:12	09/28/22 18:22	1
Ethylbenzene	ND		0.0054	0.00037	mg/Kg	☼	09/26/22 11:12	09/28/22 18:22	1
Hexachlorobutadiene	ND		0.0054	0.00036	mg/Kg	☼	09/26/22 11:12	09/28/22 18:22	1
2-Hexanone	ND		0.011	0.00080	mg/Kg	☼	09/26/22 11:12	09/28/22 18:22	1
Isopropylbenzene	ND		0.0054	0.00056	mg/Kg	☼	09/26/22 11:12	09/28/22 18:22	1
4-Isopropyltoluene	ND		0.0054	0.00068	mg/Kg	☼	09/26/22 11:12	09/28/22 18:22	1
Methylene Chloride	ND		0.011	0.00091	mg/Kg	☼	09/26/22 11:12	09/28/22 18:22	1
4-Methyl-2-pentanone (MIBK)	ND		0.011	0.0010	mg/Kg	☼	09/26/22 11:12	09/28/22 18:22	1
Naphthalene	ND		0.0054	0.00068	mg/Kg	☼	09/26/22 11:12	09/28/22 18:22	1
N-Propylbenzene	ND		0.0054	0.00031	mg/Kg	☼	09/26/22 11:12	09/28/22 18:22	1
Styrene	ND		0.0054	0.00034	mg/Kg	☼	09/26/22 11:12	09/28/22 18:22	1
1,1,1,2-Tetrachloroethane	ND		0.0054	0.00044	mg/Kg	☼	09/26/22 11:12	09/28/22 18:22	1
1,1,2,2-Tetrachloroethane	ND		0.0054	0.00074	mg/Kg	☼	09/26/22 11:12	09/28/22 18:22	1
Tetrachloroethene	ND		0.0054	0.00066	mg/Kg	☼	09/26/22 11:12	09/28/22 18:22	1
Toluene	ND		0.0054	0.00066	mg/Kg	☼	09/26/22 11:12	09/28/22 18:22	1
1,2,3-Trichlorobenzene	ND		0.0054	0.00081	mg/Kg	☼	09/26/22 11:12	09/28/22 18:22	1
1,2,4-Trichlorobenzene	ND		0.0054	0.00081	mg/Kg	☼	09/26/22 11:12	09/28/22 18:22	1
1,1,1-Trichloroethane	ND		0.0054	0.00039	mg/Kg	☼	09/26/22 11:12	09/28/22 18:22	1
1,1,2-Trichloroethane	ND		0.0054	0.00048	mg/Kg	☼	09/26/22 11:12	09/28/22 18:22	1
Trichloroethene	ND		0.0054	0.00065	mg/Kg	☼	09/26/22 11:12	09/28/22 18:22	1
Trichlorofluoromethane	ND		0.0054	0.00037	mg/Kg	☼	09/26/22 11:12	09/28/22 18:22	1
1,2,3-Trichloropropane	ND		0.0054	0.00082	mg/Kg	☼	09/26/22 11:12	09/28/22 18:22	1

Client Sample ID: MHSSF-ENV-H@0.5'
Date Collected: 09/22/22 09:00
Date Received: 09/23/22 18:45

Lab Sample ID: 320-92432-8
Matrix: Solid
Percent Solids: 92.0

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.011	0.00090	mg/Kg	☼	09/26/22 11:12	09/28/22 18:22	1
1,2,4-Trimethylbenzene	ND		0.0054	0.00055	mg/Kg	☼	09/26/22 11:12	09/28/22 18:22	1
1,3,5-Trimethylbenzene	ND		0.0054	0.00038	mg/Kg	☼	09/26/22 11:12	09/28/22 18:22	1
Vinyl acetate	ND		0.011	0.00075	mg/Kg	☼	09/26/22 11:12	09/28/22 18:22	1
Vinyl chloride	ND		0.0054	0.00039	mg/Kg	☼	09/26/22 11:12	09/28/22 18:22	1
Xylenes, Total	ND		0.0054	0.00088	mg/Kg	☼	09/26/22 11:12	09/28/22 18:22	1
2,2-Dichloropropane	ND		0.0054	0.00041	mg/Kg	☼	09/26/22 11:12	09/28/22 18:22	1
Gasoline Range Organics (C4-C12)	ND		540	54	ug/Kg	☼	09/26/22 11:12	09/28/22 18:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*63 - 143*	*09/26/22 11:12*	*09/28/22 18:22*	*1*
Dibromofluoromethane (Surr)	*96*		*55 - 129*	*09/26/22 11:12*	*09/28/22 18:22*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*32 - 156*	*09/26/22 11:12*	*09/28/22 18:22*	*1*
Toluene-d8 (Surr)	*108*		*63 - 138*	*09/26/22 11:12*	*09/28/22 18:22*	*1*

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.35	0.088	mg/Kg	☼	09/27/22 07:34	09/28/22 18:03	1
Bis(2-chloroethyl)ether	ND		0.35	0.086	mg/Kg	☼	09/27/22 07:34	09/28/22 18:03	1
2-Chlorophenol	ND		0.35	0.093	mg/Kg	☼	09/27/22 07:34	09/28/22 18:03	1
1,3-Dichlorobenzene	ND		0.35	0.082	mg/Kg	☼	09/27/22 07:34	09/28/22 18:03	1
1,4-Dichlorobenzene	ND		0.35	0.081	mg/Kg	☼	09/27/22 07:34	09/28/22 18:03	1
Benzyl alcohol	ND		0.35	0.18	mg/Kg	☼	09/27/22 07:34	09/28/22 18:03	1
1,2-Dichlorobenzene	ND		0.35	0.079	mg/Kg	☼	09/27/22 07:34	09/28/22 18:03	1
2-Methylphenol	ND		0.35	0.061	mg/Kg	☼	09/27/22 07:34	09/28/22 18:03	1
N-Nitrosodi-n-propylamine	ND		0.35	0.089	mg/Kg	☼	09/27/22 07:34	09/28/22 18:03	1
Hexachloroethane	ND		0.35	0.086	mg/Kg	☼	09/27/22 07:34	09/28/22 18:03	1
Nitrobenzene	ND		0.35	0.080	mg/Kg	☼	09/27/22 07:34	09/28/22 18:03	1
Isophorone	ND		0.35	0.098	mg/Kg	☼	09/27/22 07:34	09/28/22 18:03	1
2-Nitrophenol	ND		0.35	0.087	mg/Kg	☼	09/27/22 07:34	09/28/22 18:03	1
2,4-Dimethylphenol	ND		0.35	0.18	mg/Kg	☼	09/27/22 07:34	09/28/22 18:03	1
Bis(2-chloroethoxy)methane	ND		0.35	0.093	mg/Kg	☼	09/27/22 07:34	09/28/22 18:03	1
2,4-Dichlorophenol	ND		0.35	0.094	mg/Kg	☼	09/27/22 07:34	09/28/22 18:03	1
1,2,4-Trichlorobenzene	ND		0.35	0.088	mg/Kg	☼	09/27/22 07:34	09/28/22 18:03	1
Naphthalene	ND		0.35	0.087	mg/Kg	☼	09/27/22 07:34	09/28/22 18:03	1
4-Chloroaniline	ND		0.35	0.061	mg/Kg	☼	09/27/22 07:34	09/28/22 18:03	1
Hexachlorobutadiene	ND		0.35	0.087	mg/Kg	☼	09/27/22 07:34	09/28/22 18:03	1
4-Chloro-3-methylphenol	ND		0.35	0.097	mg/Kg	☼	09/27/22 07:34	09/28/22 18:03	1
2-Methylnaphthalene	ND		0.35	0.090	mg/Kg	☼	09/27/22 07:34	09/28/22 18:03	1
Hexachlorocyclopentadiene	ND		1.7	0.066	mg/Kg	☼	09/27/22 07:34	09/28/22 18:03	1
2,4,6-Trichlorophenol	ND		0.35	0.089	mg/Kg	☼	09/27/22 07:34	09/28/22 18:03	1
2,4,5-Trichlorophenol	ND		0.35	0.088	mg/Kg	☼	09/27/22 07:34	09/28/22 18:03	1
2-Chloronaphthalene	ND		0.35	0.086	mg/Kg	☼	09/27/22 07:34	09/28/22 18:03	1
2-Nitroaniline	ND		1.7	0.089	mg/Kg	☼	09/27/22 07:34	09/28/22 18:03	1
Dimethyl phthalate	ND		0.35	0.092	mg/Kg	☼	09/27/22 07:34	09/28/22 18:03	1
Acenaphthylene	ND		0.35	0.090	mg/Kg	☼	09/27/22 07:34	09/28/22 18:03	1
3-Nitroaniline	ND		1.7	0.18	mg/Kg	☼	09/27/22 07:34	09/28/22 18:03	1
3-Methylphenol & 4-Methylphenol	ND		0.70	0.35	mg/Kg	☼	09/27/22 07:34	09/28/22 18:03	1
Acenaphthene	ND		0.35	0.088	mg/Kg	☼	09/27/22 07:34	09/28/22 18:03	1
2,4-Dinitrophenol	ND	*+	1.7	0.23	mg/Kg	☼	09/27/22 07:34	09/28/22 18:03	1

Client: Cleary Consultants, Inc
Project/Site: Mzrina High School

Job ID: 320-92432-1

Client Sample ID: MHSSF-ENV-H@0.5'
Date Collected: 09/22/22 09:00
Date Received: 09/23/22 18:45

Lab Sample ID: 320-92432-8
Matrix: Solid
Percent Solids: 92.0

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	ND		1.7	0.30	mg/Kg	☼	09/27/22 07:34	09/28/22 18:03	1
Dibenzofuran	ND		0.35	0.091	mg/Kg	☼	09/27/22 07:34	09/28/22 18:03	1
2,4-Dinitrotoluene	ND		0.35	0.094	mg/Kg	☼	09/27/22 07:34	09/28/22 18:03	1
2,6-Dinitrotoluene	ND		0.35	0.10	mg/Kg	☼	09/27/22 07:34	09/28/22 18:03	1
Diethyl phthalate	ND		0.35	0.095	mg/Kg	☼	09/27/22 07:34	09/28/22 18:03	1
4-Chlorophenyl phenyl ether	ND		0.35	0.098	mg/Kg	☼	09/27/22 07:34	09/28/22 18:03	1
Fluorene	ND		0.35	0.097	mg/Kg	☼	09/27/22 07:34	09/28/22 18:03	1
4-Nitroaniline	ND		1.7	0.093	mg/Kg	☼	09/27/22 07:34	09/28/22 18:03	1
2-Methyl-4,6-dinitrophenol	ND		1.7	0.086	mg/Kg	☼	09/27/22 07:34	09/28/22 18:03	1
N-Nitrosodiphenylamine	ND		0.35	0.091	mg/Kg	☼	09/27/22 07:34	09/28/22 18:03	1
4-Bromophenyl phenyl ether	ND		0.35	0.090	mg/Kg	☼	09/27/22 07:34	09/28/22 18:03	1
Hexachlorobenzene	ND		0.35	0.094	mg/Kg	☼	09/27/22 07:34	09/28/22 18:03	1
Pentachlorophenol	ND		1.7	0.054	mg/Kg	☼	09/27/22 07:34	09/28/22 18:03	1
Phenanthrene	ND		0.35	0.099	mg/Kg	☼	09/27/22 07:34	09/28/22 18:03	1
Anthracene	ND		0.35	0.091	mg/Kg	☼	09/27/22 07:34	09/28/22 18:03	1
Di-n-butyl phthalate	ND		0.35	0.10	mg/Kg	☼	09/27/22 07:34	09/28/22 18:03	1
Fluoranthene	ND		0.35	0.10	mg/Kg	☼	09/27/22 07:34	09/28/22 18:03	1
Pyrene	ND		0.35	0.099	mg/Kg	☼	09/27/22 07:34	09/28/22 18:03	1
Butyl benzyl phthalate	ND		0.35	0.10	mg/Kg	☼	09/27/22 07:34	09/28/22 18:03	1
3,3'-Dichlorobenzidine	ND		1.7	0.099	mg/Kg	☼	09/27/22 07:34	09/28/22 18:03	1
Benzo[a]anthracene	ND		0.35	0.097	mg/Kg	☼	09/27/22 07:34	09/28/22 18:03	1
Bis(2-ethylhexyl) phthalate	ND		0.35	0.10	mg/Kg	☼	09/27/22 07:34	09/28/22 18:03	1
Chrysene	ND		0.35	0.089	mg/Kg	☼	09/27/22 07:34	09/28/22 18:03	1
Di-n-octyl phthalate	ND		0.35	0.10	mg/Kg	☼	09/27/22 07:34	09/28/22 18:03	1
Benzo[b]fluoranthene	ND		0.35	0.10	mg/Kg	☼	09/27/22 07:34	09/28/22 18:03	1
Benzo[a]pyrene	ND		0.35	0.099	mg/Kg	☼	09/27/22 07:34	09/28/22 18:03	1
Benzo[k]fluoranthene	ND		0.35	0.12	mg/Kg	☼	09/27/22 07:34	09/28/22 18:03	1
Indeno[1,2,3-cd]pyrene	ND		0.35	0.10	mg/Kg	☼	09/27/22 07:34	09/28/22 18:03	1
Benzo[g,h,i]perylene	ND		0.35	0.12	mg/Kg	☼	09/27/22 07:34	09/28/22 18:03	1
Benzoic acid	ND		1.7	0.31	mg/Kg	☼	09/27/22 07:34	09/28/22 18:03	1
Azobenzene	ND		0.35	0.097	mg/Kg	☼	09/27/22 07:34	09/28/22 18:03	1
Dibenz(a,h)anthracene	ND		0.35	0.11	mg/Kg	☼	09/27/22 07:34	09/28/22 18:03	1
Pyridine	ND		0.70	0.076	mg/Kg	☼	09/27/22 07:34	09/28/22 18:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*73*		*54 - 114*	*09/27/22 07:34*	*09/28/22 18:03*	*1*
Terphenyl-d14	*90*		*66 - 126*	*09/27/22 07:34*	*09/28/22 18:03*	*1*
2-Fluorophenol	*79*		*53 - 113*	*09/27/22 07:34*	*09/28/22 18:03*	*1*
Phenol-d5	*78*		*54 - 114*	*09/27/22 07:34*	*09/28/22 18:03*	*1*
2,4,6-Tribromophenol	*99*		*60 - 120*	*09/27/22 07:34*	*09/28/22 18:03*	*1*

Method: EPA 8015C - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**0.73**	**J B**	1.1	0.54	mg/Kg	☼	09/27/22 07:45	09/29/22 04:51	1
Motor Oil Range Organics [C28-C40]	ND		5.4	4.1	mg/Kg	☼	09/27/22 07:45	09/29/22 04:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*62*		*51 - 111*	*09/27/22 07:45*	*09/29/22 04:51*	*1*

Client Sample ID: MHSSF-ENV-H@0.5'

Date Collected: 09/22/22 09:00
Date Received: 09/23/22 18:45

Lab Sample ID: 320-92432-8

Matrix: Solid
Percent Solids: 92.0

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.0018	0.00015	mg/Kg	☼	09/27/22 10:07	10/06/22 19:56	1
alpha-BHC	ND		0.0018	0.00017	mg/Kg	☼	09/27/22 10:07	10/06/22 19:56	1
beta-BHC	ND		0.0018	0.00023	mg/Kg	☼	09/27/22 10:07	10/06/22 19:56	1
gamma-BHC (Lindane)	ND		0.0018	0.00015	mg/Kg	☼	09/27/22 10:07	10/06/22 19:56	1
delta-BHC	ND		0.0018	0.00036	mg/Kg	☼	09/27/22 10:07	10/06/22 19:56	1
cis-Chlordane	ND		0.0018	0.00019	mg/Kg	☼	09/27/22 10:07	10/06/22 19:56	1
trans-Chlordane	ND		0.0018	0.00063	mg/Kg	☼	09/27/22 10:07	10/06/22 19:56	1
Chlordane (technical)	ND		0.021	0.0098	mg/Kg	☼	09/27/22 10:07	10/06/22 19:56	1
4,4'-DDD	ND		0.0018	0.00024	mg/Kg	☼	09/27/22 10:07	10/06/22 19:56	1
4,4'-DDE	**0.00029**	**J**	0.0018	0.00022	mg/Kg	☼	09/27/22 10:07	10/06/22 19:56	1
4,4'-DDT	ND		0.0018	0.00026	mg/Kg	☼	09/27/22 10:07	10/06/22 19:56	1
Dieldrin	ND		0.0018	0.00021	mg/Kg	☼	09/27/22 10:07	10/06/22 19:56	1
Endosulfan I	ND		0.0018	0.00019	mg/Kg	☼	09/27/22 10:07	10/06/22 19:56	1
Endosulfan II	ND		0.0018	0.00019	mg/Kg	☼	09/27/22 10:07	10/06/22 19:56	1
Endosulfan sulfate	ND		0.0018	0.00036	mg/Kg	☼	09/27/22 10:07	10/06/22 19:56	1
Endrin	ND		0.0018	0.00021	mg/Kg	☼	09/27/22 10:07	10/06/22 19:56	1
Endrin aldehyde	ND		0.0018	0.00059	mg/Kg	☼	09/27/22 10:07	10/06/22 19:56	1
Endrin ketone	ND		0.0018	0.00028	mg/Kg	☼	09/27/22 10:07	10/06/22 19:56	1
Heptachlor	ND		0.0018	0.00016	mg/Kg	☼	09/27/22 10:07	10/06/22 19:56	1
Heptachlor epoxide	ND		0.0018	0.00019	mg/Kg	☼	09/27/22 10:07	10/06/22 19:56	1
Methoxychlor	ND		0.0035	0.00058	mg/Kg	☼	09/27/22 10:07	10/06/22 19:56	1
Toxaphene	ND		0.070	0.023	mg/Kg	☼	09/27/22 10:07	10/06/22 19:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*65*		*46 - 109*	*09/27/22 10:07*	*10/06/22 19:56*	*1*
DCB Decachlorobiphenyl	*73*		*46 - 109*	*09/27/22 10:07*	*10/06/22 19:56*	*1*
Tetrachloro-m-xylene	*69*		*47 - 107*	*09/27/22 10:07*	*10/06/22 19:56*	*1*
Tetrachloro-m-xylene	*60*		*47 - 107*	*09/27/22 10:07*	*10/06/22 19:56*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		34	2.7	ug/Kg	☼	09/27/22 10:56	10/04/22 20:39	1
PCB-1221	ND		34	3.8	ug/Kg	☼	09/27/22 10:56	10/04/22 20:39	1
PCB-1232	ND		34	5.0	ug/Kg	☼	09/27/22 10:56	10/04/22 20:39	1
PCB-1242	ND		34	6.2	ug/Kg	☼	09/27/22 10:56	10/04/22 20:39	1
PCB-1248	ND		34	2.5	ug/Kg	☼	09/27/22 10:56	10/04/22 20:39	1
PCB-1254	ND		34	4.0	ug/Kg	☼	09/27/22 10:56	10/04/22 20:39	1
PCB-1260	ND		34	2.8	ug/Kg	☼	09/27/22 10:56	10/04/22 20:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*114*		*52 - 138*	*09/27/22 10:56*	*10/04/22 20:39*	*1*

Method: SW846 7199 - Chromium, Hexavalent (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	ND		0.043	0.021	mg/Kg	☼	09/29/22 02:00	09/29/22 09:59	1

Method: SW846 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**4.5**		2.1	1.0	mg/Kg	☼	09/26/22 16:00	09/27/22 14:33	1
Arsenic	ND		2.1	1.4	mg/Kg	☼	09/26/22 16:00	09/27/22 14:33	1
Barium	**7.5**		1.1	0.13	mg/Kg	☼	09/26/22 16:00	09/27/22 14:33	1

Client Sample ID: MHSSF-ENV-H@0.5'

Lab Sample ID: 320-92432-8
Date Collected: 09/22/22 09:00
Matrix: Solid
Date Received: 09/23/22 18:45
Percent Solids: 92.0

Method: SW846 6010B - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.11	J	0.21	0.032	mg/Kg	☼	09/26/22 16:00	09/27/22 14:33	1
Cadmium	0.095	J	0.21	0.032	mg/Kg	☼	09/26/22 16:00	09/27/22 14:33	1
Chromium	9.3		0.53	0.15	mg/Kg	☼	09/26/22 16:00	09/27/22 14:33	1
Cobalt	1.2		0.53	0.27	mg/Kg	☼	09/26/22 16:00	09/27/22 14:33	1
Copper	2.1		1.6	0.23	mg/Kg	☼	09/26/22 16:00	09/27/22 14:33	1
Lead	1.6		1.1	0.28	mg/Kg	☼	09/26/22 16:00	09/27/22 14:33	1
Molybdenum	ND		2.1	0.80	mg/Kg	☼	09/26/22 16:00	09/27/22 14:33	1
Nickel	6.8		1.1	0.26	mg/Kg	☼	09/26/22 16:00	09/27/22 14:33	1
Selenium	ND		2.1	1.5	mg/Kg	☼	09/26/22 16:00	09/27/22 14:33	1
Silver	ND		0.53	0.096	mg/Kg	☼	09/26/22 16:00	09/27/22 14:33	1
Thallium	ND		2.1	0.90	mg/Kg	☼	09/26/22 16:00	09/27/22 14:33	1
Vanadium	6.7		0.53	0.20	mg/Kg	☼	09/26/22 16:00	09/27/22 14:33	1
Zinc	5.3		2.1	0.20	mg/Kg	☼	09/26/22 16:00	09/27/22 14:33	1

Method: SW846 6010B - Metals (ICP) - STLC Citrate

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.052	J B	0.10	0.012	mg/L			10/03/22 13:34	10
Arsenic	ND		0.20	0.12	mg/L			10/03/22 13:34	10
Chromium	0.058	J	0.10	0.0060	mg/L			10/03/22 13:34	10

Method: SW846 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.041	0.0082	mg/Kg	☼	09/29/22 12:49	09/29/22 16:24	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (ASTM D 2216)	8.0		0.1	0.1	%			09/26/22 15:18	1

Client Sample ID: MHSSF-ENV-I@0.5'

Lab Sample ID: 320-92432-9
Date Collected: 09/22/22 11:00
Matrix: Solid
Date Received: 09/23/22 18:45
Percent Solids: 90.5

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.011	0.00065	mg/Kg	☼	09/26/22 11:12	09/28/22 18:44	1
Acetone	ND		0.022	0.0015	mg/Kg	☼	09/26/22 11:12	09/28/22 18:44	1
Benzene	ND		0.0054	0.00028	mg/Kg	☼	09/26/22 11:12	09/28/22 18:44	1
Dichlorobromomethane	ND		0.0054	0.00058	mg/Kg	☼	09/26/22 11:12	09/28/22 18:44	1
Bromobenzene	ND		0.0054	0.00057	mg/Kg	☼	09/26/22 11:12	09/28/22 18:44	1
Chlorobromomethane	ND		0.0054	0.0010	mg/Kg	☼	09/26/22 11:12	09/28/22 18:44	1
Bromoform	ND		0.0054	0.00044	mg/Kg	☼	09/26/22 11:12	09/28/22 18:44	1
Bromomethane	ND		0.0054	0.00094	mg/Kg	☼	09/26/22 11:12	09/28/22 18:44	1
2-Butanone (MEK)	ND		0.011	0.0015	mg/Kg	☼	09/26/22 11:12	09/28/22 18:44	1
n-Butylbenzene	ND		0.0054	0.00072	mg/Kg	☼	09/26/22 11:12	09/28/22 18:44	1
sec-Butylbenzene	ND		0.0054	0.00082	mg/Kg	☼	09/26/22 11:12	09/28/22 18:44	1
tert-Butylbenzene	ND		0.0054	0.00059	mg/Kg	☼	09/26/22 11:12	09/28/22 18:44	1
Carbon disulfide	ND		0.011	0.00053	mg/Kg	☼	09/26/22 11:12	09/28/22 18:44	1
Carbon tetrachloride	ND		0.0054	0.00058	mg/Kg	☼	09/26/22 11:12	09/28/22 18:44	1
Chlorobenzene	ND		0.0054	0.00032	mg/Kg	☼	09/26/22 11:12	09/28/22 18:44	1
Chloroethane	ND		0.0054	0.00049	mg/Kg	☼	09/26/22 11:12	09/28/22 18:44	1
Chloroform	ND		0.0054	0.00028	mg/Kg	☼	09/26/22 11:12	09/28/22 18:44	1

Client: Cleary Consultants, Inc
Project/Site: Mzrina High School

Job ID: 320-92432-1

Client Sample ID: MHSSF-ENV-I@0.5'
Date Collected: 09/22/22 11:00
Date Received: 09/23/22 18:45

Lab Sample ID: 320-92432-9
Matrix: Solid
Percent Solids: 90.5

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		0.0054	0.00054	mg/Kg	☼	09/26/22 11:12	09/28/22 18:44	1
2-Chlorotoluene	ND		0.0054	0.00067	mg/Kg	☼	09/26/22 11:12	09/28/22 18:44	1
4-Chlorotoluene	ND		0.0054	0.00094	mg/Kg	☼	09/26/22 11:12	09/28/22 18:44	1
Chlorodibromomethane	ND		0.0054	0.00023	mg/Kg	☼	09/26/22 11:12	09/28/22 18:44	1
1,2-Dichlorobenzene	ND		0.0054	0.00070	mg/Kg	☼	09/26/22 11:12	09/28/22 18:44	1
1,3-Dichlorobenzene	ND		0.0054	0.00033	mg/Kg	☼	09/26/22 11:12	09/28/22 18:44	1
1,4-Dichlorobenzene	ND		0.0054	0.00085	mg/Kg	☼	09/26/22 11:12	09/28/22 18:44	1
1,3-Dichloropropane	ND		0.0054	0.00062	mg/Kg	☼	09/26/22 11:12	09/28/22 18:44	1
1,1-Dichloropropene	ND		0.0054	0.00040	mg/Kg	☼	09/26/22 11:12	09/28/22 18:44	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.00096	mg/Kg	☼	09/26/22 11:12	09/28/22 18:44	1
Ethylene Dibromide	ND		0.011	0.00029	mg/Kg	☼	09/26/22 11:12	09/28/22 18:44	1
Dibromomethane	ND		0.0054	0.00063	mg/Kg	☼	09/26/22 11:12	09/28/22 18:44	1
Dichlorodifluoromethane	ND		0.0054	0.00097	mg/Kg	☼	09/26/22 11:12	09/28/22 18:44	1
1,1-Dichloroethane	ND		0.0054	0.00032	mg/Kg	☼	09/26/22 11:12	09/28/22 18:44	1
1,2-Dichloroethane	ND		0.0054	0.00079	mg/Kg	☼	09/26/22 11:12	09/28/22 18:44	1
1,1-Dichloroethene	ND		0.0054	0.00028	mg/Kg	☼	09/26/22 11:12	09/28/22 18:44	1
cis-1,2-Dichloroethene	ND		0.0054	0.00097	mg/Kg	☼	09/26/22 11:12	09/28/22 18:44	1
trans-1,2-Dichloroethene	ND		0.0054	0.00041	mg/Kg	☼	09/26/22 11:12	09/28/22 18:44	1
1,2-Dichloropropane	ND		0.0054	0.00065	mg/Kg	☼	09/26/22 11:12	09/28/22 18:44	1
cis-1,3-Dichloropropene	ND		0.0054	0.00070	mg/Kg	☼	09/26/22 11:12	09/28/22 18:44	1
trans-1,3-Dichloropropene	ND		0.0054	0.00082	mg/Kg	☼	09/26/22 11:12	09/28/22 18:44	1
Ethylbenzene	ND		0.0054	0.00037	mg/Kg	☼	09/26/22 11:12	09/28/22 18:44	1
Hexachlorobutadiene	ND		0.0054	0.00036	mg/Kg	☼	09/26/22 11:12	09/28/22 18:44	1
2-Hexanone	ND		0.011	0.00081	mg/Kg	☼	09/26/22 11:12	09/28/22 18:44	1
Isopropylbenzene	ND		0.0054	0.00057	mg/Kg	☼	09/26/22 11:12	09/28/22 18:44	1
4-Isopropyltoluene	ND		0.0054	0.00069	mg/Kg	☼	09/26/22 11:12	09/28/22 18:44	1
Methylene Chloride	ND		0.011	0.00091	mg/Kg	☼	09/26/22 11:12	09/28/22 18:44	1
4-Methyl-2-pentanone (MIBK)	ND		0.011	0.0010	mg/Kg	☼	09/26/22 11:12	09/28/22 18:44	1
Naphthalene	ND		0.0054	0.00069	mg/Kg	☼	09/26/22 11:12	09/28/22 18:44	1
N-Propylbenzene	ND		0.0054	0.00032	mg/Kg	☼	09/26/22 11:12	09/28/22 18:44	1
Styrene	ND		0.0054	0.00034	mg/Kg	☼	09/26/22 11:12	09/28/22 18:44	1
1,1,1,2-Tetrachloroethane	ND		0.0054	0.00045	mg/Kg	☼	09/26/22 11:12	09/28/22 18:44	1
1,1,2,2-Tetrachloroethane	ND		0.0054	0.00074	mg/Kg	☼	09/26/22 11:12	09/28/22 18:44	1
Tetrachloroethene	ND		0.0054	0.00066	mg/Kg	☼	09/26/22 11:12	09/28/22 18:44	1
Toluene	ND		0.0054	0.00066	mg/Kg	☼	09/26/22 11:12	09/28/22 18:44	1
1,2,3-Trichlorobenzene	ND		0.0054	0.00082	mg/Kg	☼	09/26/22 11:12	09/28/22 18:44	1
1,2,4-Trichlorobenzene	ND		0.0054	0.00082	mg/Kg	☼	09/26/22 11:12	09/28/22 18:44	1
1,1,1-Trichloroethane	ND		0.0054	0.00039	mg/Kg	☼	09/26/22 11:12	09/28/22 18:44	1
1,1,2-Trichloroethane	ND		0.0054	0.00048	mg/Kg	☼	09/26/22 11:12	09/28/22 18:44	1
Trichloroethene	ND		0.0054	0.00065	mg/Kg	☼	09/26/22 11:12	09/28/22 18:44	1
Trichlorofluoromethane	ND		0.0054	0.00037	mg/Kg	☼	09/26/22 11:12	09/28/22 18:44	1
1,2,3-Trichloropropane	ND		0.0054	0.00083	mg/Kg	☼	09/26/22 11:12	09/28/22 18:44	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.011	0.00090	mg/Kg	☼	09/26/22 11:12	09/28/22 18:44	1
1,2,4-Trimethylbenzene	ND		0.0054	0.00055	mg/Kg	☼	09/26/22 11:12	09/28/22 18:44	1
1,3,5-Trimethylbenzene	ND		0.0054	0.00038	mg/Kg	☼	09/26/22 11:12	09/28/22 18:44	1
Vinyl acetate	ND		0.011	0.00075	mg/Kg	☼	09/26/22 11:12	09/28/22 18:44	1
Vinyl chloride	ND		0.0054	0.00039	mg/Kg	☼	09/26/22 11:12	09/28/22 18:44	1
Xylenes, Total	ND		0.0054	0.00088	mg/Kg	☼	09/26/22 11:12	09/28/22 18:44	1
2,2-Dichloropropane	ND		0.0054	0.00041	mg/Kg	☼	09/26/22 11:12	09/28/22 18:44	1

Client: Cleary Consultants, Inc
Project/Site: Mzrina High School

Job ID: 320-92432-1

Client Sample ID: MHSSF-ENV-I@0.5'
Date Collected: 09/22/22 11:00
Date Received: 09/23/22 18:45

Lab Sample ID: 320-92432-9
Matrix: Solid
Percent Solids: 90.5

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C12)	ND		540	54	ug/Kg	☼	09/26/22 11:12	09/28/22 18:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*63 - 143*	*09/26/22 11:12*	*09/28/22 18:44*	*1*
Dibromofluoromethane (Surr)	*95*		*55 - 129*	*09/26/22 11:12*	*09/28/22 18:44*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*32 - 156*	*09/26/22 11:12*	*09/28/22 18:44*	*1*
Toluene-d8 (Surr)	*106*		*63 - 138*	*09/26/22 11:12*	*09/28/22 18:44*	*1*

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.36	0.089	mg/Kg	☼	09/27/22 07:34	09/28/22 18:27	1
Bis(2-chloroethyl)ether	ND		0.36	0.087	mg/Kg	☼	09/27/22 07:34	09/28/22 18:27	1
2-Chlorophenol	ND		0.36	0.095	mg/Kg	☼	09/27/22 07:34	09/28/22 18:27	1
1,3-Dichlorobenzene	ND		0.36	0.084	mg/Kg	☼	09/27/22 07:34	09/28/22 18:27	1
1,4-Dichlorobenzene	ND		0.36	0.083	mg/Kg	☼	09/27/22 07:34	09/28/22 18:27	1
Benzyl alcohol	ND		0.36	0.18	mg/Kg	☼	09/27/22 07:34	09/28/22 18:27	1
1,2-Dichlorobenzene	ND		0.36	0.081	mg/Kg	☼	09/27/22 07:34	09/28/22 18:27	1
2-Methylphenol	ND		0.36	0.063	mg/Kg	☼	09/27/22 07:34	09/28/22 18:27	1
N-Nitrosodi-n-propylamine	ND		0.36	0.091	mg/Kg	☼	09/27/22 07:34	09/28/22 18:27	1
Hexachloroethane	ND		0.36	0.087	mg/Kg	☼	09/27/22 07:34	09/28/22 18:27	1
Nitrobenzene	ND		0.36	0.082	mg/Kg	☼	09/27/22 07:34	09/28/22 18:27	1
Isophorone	ND		0.36	0.10	mg/Kg	☼	09/27/22 07:34	09/28/22 18:27	1
2-Nitrophenol	ND		0.36	0.088	mg/Kg	☼	09/27/22 07:34	09/28/22 18:27	1
2,4-Dimethylphenol	ND		0.36	0.18	mg/Kg	☼	09/27/22 07:34	09/28/22 18:27	1
Bis(2-chloroethoxy)methane	ND		0.36	0.095	mg/Kg	☼	09/27/22 07:34	09/28/22 18:27	1
2,4-Dichlorophenol	ND		0.36	0.096	mg/Kg	☼	09/27/22 07:34	09/28/22 18:27	1
1,2,4-Trichlorobenzene	ND		0.36	0.089	mg/Kg	☼	09/27/22 07:34	09/28/22 18:27	1
Naphthalene	ND		0.36	0.088	mg/Kg	☼	09/27/22 07:34	09/28/22 18:27	1
4-Chloroaniline	ND		0.36	0.063	mg/Kg	☼	09/27/22 07:34	09/28/22 18:27	1
Hexachlorobutadiene	ND		0.36	0.088	mg/Kg	☼	09/27/22 07:34	09/28/22 18:27	1
4-Chloro-3-methylphenol	ND		0.36	0.099	mg/Kg	☼	09/27/22 07:34	09/28/22 18:27	1
2-Methylnaphthalene	ND		0.36	0.092	mg/Kg	☼	09/27/22 07:34	09/28/22 18:27	1
Hexachlorocyclopentadiene	ND		1.7	0.067	mg/Kg	☼	09/27/22 07:34	09/28/22 18:27	1
2,4,6-Trichlorophenol	ND		0.36	0.091	mg/Kg	☼	09/27/22 07:34	09/28/22 18:27	1
2,4,5-Trichlorophenol	ND		0.36	0.089	mg/Kg	☼	09/27/22 07:34	09/28/22 18:27	1
2-Chloronaphthalene	ND		0.36	0.087	mg/Kg	☼	09/27/22 07:34	09/28/22 18:27	1
2-Nitroaniline	ND		1.7	0.091	mg/Kg	☼	09/27/22 07:34	09/28/22 18:27	1
Dimethyl phthalate	ND		0.36	0.094	mg/Kg	☼	09/27/22 07:34	09/28/22 18:27	1
Acenaphthylene	ND		0.36	0.092	mg/Kg	☼	09/27/22 07:34	09/28/22 18:27	1
3-Nitroaniline	ND		1.7	0.18	mg/Kg	☼	09/27/22 07:34	09/28/22 18:27	1
3-Methylphenol & 4-Methylphenol	ND		0.71	0.36	mg/Kg	☼	09/27/22 07:34	09/28/22 18:27	1
Acenaphthene	ND		0.36	0.089	mg/Kg	☼	09/27/22 07:34	09/28/22 18:27	1
2,4-Dinitrophenol	ND	*+	1.7	0.23	mg/Kg	☼	09/27/22 07:34	09/28/22 18:27	1
4-Nitrophenol	ND		1.7	0.30	mg/Kg	☼	09/27/22 07:34	09/28/22 18:27	1
Dibenzofuran	ND		0.36	0.093	mg/Kg	☼	09/27/22 07:34	09/28/22 18:27	1
2,4-Dinitrotoluene	ND		0.36	0.096	mg/Kg	☼	09/27/22 07:34	09/28/22 18:27	1
2,6-Dinitrotoluene	ND		0.36	0.11	mg/Kg	☼	09/27/22 07:34	09/28/22 18:27	1
Diethyl phthalate	ND		0.36	0.097	mg/Kg	☼	09/27/22 07:34	09/28/22 18:27	1
4-Chlorophenyl phenyl ether	ND		0.36	0.10	mg/Kg	☼	09/27/22 07:34	09/28/22 18:27	1
Fluorene	ND		0.36	0.099	mg/Kg	☼	09/27/22 07:34	09/28/22 18:27	1

Client Sample ID: MHSSF-ENV-I@0.5'
Date Collected: 09/22/22 11:00
Date Received: 09/23/22 18:45

Lab Sample ID: 320-92432-9
Matrix: Solid
Percent Solids: 90.5

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitroaniline	ND		1.7	0.095	mg/Kg	☼	09/27/22 07:34	09/28/22 18:27	1
2-Methyl-4,6-dinitrophenol	ND		1.7	0.087	mg/Kg	☼	09/27/22 07:34	09/28/22 18:27	1
N-Nitrosodiphenylamine	ND		0.36	0.093	mg/Kg	☼	09/27/22 07:34	09/28/22 18:27	1
4-Bromophenyl phenyl ether	ND		0.36	0.092	mg/Kg	☼	09/27/22 07:34	09/28/22 18:27	1
Hexachlorobenzene	ND		0.36	0.096	mg/Kg	☼	09/27/22 07:34	09/28/22 18:27	1
Pentachlorophenol	ND		1.7	0.055	mg/Kg	☼	09/27/22 07:34	09/28/22 18:27	1
Phenanthrene	ND		0.36	0.10	mg/Kg	☼	09/27/22 07:34	09/28/22 18:27	1
Anthracene	ND		0.36	0.093	mg/Kg	☼	09/27/22 07:34	09/28/22 18:27	1
Di-n-butyl phthalate	ND		0.36	0.10	mg/Kg	☼	09/27/22 07:34	09/28/22 18:27	1
Fluoranthene	ND		0.36	0.10	mg/Kg	☼	09/27/22 07:34	09/28/22 18:27	1
Pyrene	ND		0.36	0.10	mg/Kg	☼	09/27/22 07:34	09/28/22 18:27	1
Butyl benzyl phthalate	ND		0.36	0.10	mg/Kg	☼	09/27/22 07:34	09/28/22 18:27	1
3,3'-Dichlorobenzidine	ND		1.7	0.10	mg/Kg	☼	09/27/22 07:34	09/28/22 18:27	1
Benzo[a]anthracene	ND		0.36	0.099	mg/Kg	☼	09/27/22 07:34	09/28/22 18:27	1
Bis(2-ethylhexyl) phthalate	ND		0.36	0.11	mg/Kg	☼	09/27/22 07:34	09/28/22 18:27	1
Chrysene	ND		0.36	0.091	mg/Kg	☼	09/27/22 07:34	09/28/22 18:27	1
Di-n-octyl phthalate	ND		0.36	0.10	mg/Kg	☼	09/27/22 07:34	09/28/22 18:27	1
Benzo[b]fluoranthene	ND		0.36	0.10	mg/Kg	☼	09/27/22 07:34	09/28/22 18:27	1
Benzo[a]pyrene	ND		0.36	0.10	mg/Kg	☼	09/27/22 07:34	09/28/22 18:27	1
Benzo[k]fluoranthene	ND		0.36	0.12	mg/Kg	☼	09/27/22 07:34	09/28/22 18:27	1
Indeno[1,2,3-cd]pyrene	ND		0.36	0.10	mg/Kg	☼	09/27/22 07:34	09/28/22 18:27	1
Benzo[g,h,i]perylene	ND		0.36	0.12	mg/Kg	☼	09/27/22 07:34	09/28/22 18:27	1
Benzoic acid	ND		1.7	0.31	mg/Kg	☼	09/27/22 07:34	09/28/22 18:27	1
Azobenzene	ND		0.36	0.099	mg/Kg	☼	09/27/22 07:34	09/28/22 18:27	1
Dibenz(a,h)anthracene	ND		0.36	0.11	mg/Kg	☼	09/27/22 07:34	09/28/22 18:27	1
Pyridine	ND		0.71	0.078	mg/Kg	☼	09/27/22 07:34	09/28/22 18:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*72*		*54 - 114*	*09/27/22 07:34*	*09/28/22 18:27*	*1*
Terphenyl-d14	*92*		*66 - 126*	*09/27/22 07:34*	*09/28/22 18:27*	*1*
2-Fluorophenol	*75*		*53 - 113*	*09/27/22 07:34*	*09/28/22 18:27*	*1*
Phenol-d5	*77*		*54 - 114*	*09/27/22 07:34*	*09/28/22 18:27*	*1*
2,4,6-Tribromophenol	*100*		*60 - 120*	*09/27/22 07:34*	*09/28/22 18:27*	*1*

Method: EPA 8015C - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	1.3	B	1.1	0.54	mg/Kg	☼	09/27/22 07:45	09/29/22 05:19	1
Motor Oil Range Organics [C28-C40]	ND		5.4	4.1	mg/Kg	☼	09/27/22 07:45	09/29/22 05:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*57*		*51 - 111*	*09/27/22 07:45*	*09/29/22 05:19*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.0019	0.00015	mg/Kg	☼	09/27/22 10:07	10/06/22 20:14	1
alpha-BHC	ND		0.0019	0.00018	mg/Kg	☼	09/27/22 10:07	10/06/22 20:14	1
beta-BHC	ND		0.0019	0.00024	mg/Kg	☼	09/27/22 10:07	10/06/22 20:14	1
gamma-BHC (Lindane)	ND		0.0019	0.00015	mg/Kg	☼	09/27/22 10:07	10/06/22 20:14	1
delta-BHC	ND		0.0019	0.00039	mg/Kg	☼	09/27/22 10:07	10/06/22 20:14	1
cis-Chlordane	ND		0.0019	0.00020	mg/Kg	☼	09/27/22 10:07	10/06/22 20:14	1

Client Sample ID: MHSSF-ENV-I@0.5'

Date Collected: 09/22/22 11:00
Date Received: 09/23/22 18:45

Lab Sample ID: 320-92432-9

Matrix: Solid
Percent Solids: 90.5

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-Chlordane	ND		0.0019	0.00066	mg/Kg	☼	09/27/22 10:07	10/06/22 20:14	1
Chlordane (technical)	ND		0.022	0.010	mg/Kg	☼	09/27/22 10:07	10/06/22 20:14	1
4,4'-DDD	ND		0.0019	0.00025	mg/Kg	☼	09/27/22 10:07	10/06/22 20:14	1
4,4'-DDE	ND		0.0019	0.00023	mg/Kg	☼	09/27/22 10:07	10/06/22 20:14	1
4,4'-DDT	ND		0.0019	0.00028	mg/Kg	☼	09/27/22 10:07	10/06/22 20:14	1
Dieldrin	ND		0.0019	0.00022	mg/Kg	☼	09/27/22 10:07	10/06/22 20:14	1
Endosulfan I	ND		0.0019	0.00020	mg/Kg	☼	09/27/22 10:07	10/06/22 20:14	1
Endosulfan II	ND		0.0019	0.00020	mg/Kg	☼	09/27/22 10:07	10/06/22 20:14	1
Endosulfan sulfate	ND		0.0019	0.00039	mg/Kg	☼	09/27/22 10:07	10/06/22 20:14	1
Endrin	ND		0.0019	0.00022	mg/Kg	☼	09/27/22 10:07	10/06/22 20:14	1
Endrin aldehyde	ND		0.0019	0.00063	mg/Kg	☼	09/27/22 10:07	10/06/22 20:14	1
Endrin ketone	ND		0.0019	0.00030	mg/Kg	☼	09/27/22 10:07	10/06/22 20:14	1
Heptachlor	ND		0.0019	0.00017	mg/Kg	☼	09/27/22 10:07	10/06/22 20:14	1
Heptachlor epoxide	ND		0.0019	0.00020	mg/Kg	☼	09/27/22 10:07	10/06/22 20:14	1
Methoxychlor	ND		0.0038	0.00062	mg/Kg	☼	09/27/22 10:07	10/06/22 20:14	1
Toxaphene	ND		0.074	0.025	mg/Kg	☼	09/27/22 10:07	10/06/22 20:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*68*		*46 - 109*	*09/27/22 10:07*	*10/06/22 20:14*	*1*
DCB Decachlorobiphenyl	*75*		*46 - 109*	*09/27/22 10:07*	*10/06/22 20:14*	*1*
Tetrachloro-m-xylene	*67*		*47 - 107*	*09/27/22 10:07*	*10/06/22 20:14*	*1*
Tetrachloro-m-xylene	*62*		*47 - 107*	*09/27/22 10:07*	*10/06/22 20:14*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		36	2.8	ug/Kg	☼	09/27/22 10:56	10/04/22 21:00	1
PCB-1221	ND		36	4.0	ug/Kg	☼	09/27/22 10:56	10/04/22 21:00	1
PCB-1232	ND		36	5.3	ug/Kg	☼	09/27/22 10:56	10/04/22 21:00	1
PCB-1242	ND		36	6.5	ug/Kg	☼	09/27/22 10:56	10/04/22 21:00	1
PCB-1248	ND		36	2.7	ug/Kg	☼	09/27/22 10:56	10/04/22 21:00	1
PCB-1254	ND		36	4.2	ug/Kg	☼	09/27/22 10:56	10/04/22 21:00	1
PCB-1260	ND		36	3.0	ug/Kg	☼	09/27/22 10:56	10/04/22 21:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*106*		*52 - 138*	*09/27/22 10:56*	*10/04/22 21:00*	*1*

Method: SW846 7199 - Chromium, Hexavalent (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	ND		0.45	0.21	mg/Kg	☼	09/29/22 02:00	09/29/22 10:08	10

Method: SW846 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**4.2**		2.2	1.0	mg/Kg	☼	09/26/22 16:00	09/27/22 14:37	1
Arsenic	ND		2.2	1.4	mg/Kg	☼	09/26/22 16:00	09/27/22 14:37	1
Barium	**13**		1.1	0.13	mg/Kg	☼	09/26/22 16:00	09/27/22 14:37	1
Beryllium	**0.11**	**J**	0.22	0.033	mg/Kg	☼	09/26/22 16:00	09/27/22 14:37	1
Cadmium	**0.047**	**J**	0.22	0.033	mg/Kg	☼	09/26/22 16:00	09/27/22 14:37	1
Chromium	**8.6**		0.54	0.15	mg/Kg	☼	09/26/22 16:00	09/27/22 14:37	1
Cobalt	**1.2**		0.54	0.27	mg/Kg	☼	09/26/22 16:00	09/27/22 14:37	1
Copper	**2.7**		1.6	0.24	mg/Kg	☼	09/26/22 16:00	09/27/22 14:37	1
Lead	**1.2**		1.1	0.28	mg/Kg	☼	09/26/22 16:00	09/27/22 14:37	1

Client Sample ID: MHSSF-ENV-I@0.5'

Lab Sample ID: 320-92432-9
Date Collected: 09/22/22 11:00
Matrix: Solid
Date Received: 09/23/22 18:45
Percent Solids: 90.5

Method: SW846 6010B - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	ND		2.2	0.81	mg/Kg	☼	09/26/22 16:00	09/27/22 14:37	1
Nickel	7.9		1.1	0.26	mg/Kg	☼	09/26/22 16:00	09/27/22 14:37	1
Selenium	ND		2.2	1.5	mg/Kg	☼	09/26/22 16:00	09/27/22 14:37	1
Silver	ND		0.54	0.098	mg/Kg	☼	09/26/22 16:00	09/27/22 14:37	1
Thallium	ND		2.2	0.91	mg/Kg	☼	09/26/22 16:00	09/27/22 14:37	1
Vanadium	6.8		0.54	0.21	mg/Kg	☼	09/26/22 16:00	09/27/22 14:37	1
Zinc	5.6		2.2	0.21	mg/Kg	☼	09/26/22 16:00	09/27/22 14:37	1

Method: SW846 6010B - Metals (ICP) - STLC Citrate

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.048	J B	0.10	0.012	mg/L			10/03/22 13:38	10
Arsenic	ND		0.20	0.12	mg/L			10/03/22 13:38	10
Chromium	0.037	J	0.10	0.0060	mg/L			10/03/22 13:38	10

Method: SW846 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.046	0.0091	mg/Kg	☼	09/27/22 11:43	09/27/22 15:15	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (ASTM D 2216)	9.5		0.1	0.1	%			09/26/22 15:18	1

Client Sample ID: MHSSF-ENV-J@0.5'

Lab Sample ID: 320-92432-10
Date Collected: 09/22/22 12:00
Matrix: Solid
Date Received: 09/23/22 18:45
Percent Solids: 98.2

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.010	0.00061	mg/Kg	☼	09/26/22 11:12	09/28/22 19:06	1
Acetone	ND		0.020	0.0014	mg/Kg	☼	09/26/22 11:12	09/28/22 19:06	1
Benzene	ND		0.0050	0.00026	mg/Kg	☼	09/26/22 11:12	09/28/22 19:06	1
Dichlorobromomethane	ND		0.0050	0.00053	mg/Kg	☼	09/26/22 11:12	09/28/22 19:06	1
Bromobenzene	ND		0.0050	0.00052	mg/Kg	☼	09/26/22 11:12	09/28/22 19:06	1
Chlorobromomethane	ND		0.0050	0.00095	mg/Kg	☼	09/26/22 11:12	09/28/22 19:06	1
Bromoform	ND		0.0050	0.00040	mg/Kg	☼	09/26/22 11:12	09/28/22 19:06	1
Bromomethane	ND		0.0050	0.00087	mg/Kg	☼	09/26/22 11:12	09/28/22 19:06	1
2-Butanone (MEK)	ND		0.010	0.0014	mg/Kg	☼	09/26/22 11:12	09/28/22 19:06	1
n-Butylbenzene	ND		0.0050	0.00067	mg/Kg	☼	09/26/22 11:12	09/28/22 19:06	1
sec-Butylbenzene	ND		0.0050	0.00076	mg/Kg	☼	09/26/22 11:12	09/28/22 19:06	1
tert-Butylbenzene	ND		0.0050	0.00054	mg/Kg	☼	09/26/22 11:12	09/28/22 19:06	1
Carbon disulfide	ND		0.010	0.00049	mg/Kg	☼	09/26/22 11:12	09/28/22 19:06	1
Carbon tetrachloride	ND		0.0050	0.00053	mg/Kg	☼	09/26/22 11:12	09/28/22 19:06	1
Chlorobenzene	ND		0.0050	0.00029	mg/Kg	☼	09/26/22 11:12	09/28/22 19:06	1
Chloroethane	ND		0.0050	0.00045	mg/Kg	☼	09/26/22 11:12	09/28/22 19:06	1
Chloroform	ND		0.0050	0.00026	mg/Kg	☼	09/26/22 11:12	09/28/22 19:06	1
Chloromethane	ND		0.0050	0.00050	mg/Kg	☼	09/26/22 11:12	09/28/22 19:06	1
2-Chlorotoluene	ND		0.0050	0.00063	mg/Kg	☼	09/26/22 11:12	09/28/22 19:06	1
4-Chlorotoluene	ND		0.0050	0.00087	mg/Kg	☼	09/26/22 11:12	09/28/22 19:06	1
Chlorodibromomethane	ND		0.0050	0.00021	mg/Kg	☼	09/26/22 11:12	09/28/22 19:06	1
1,2-Dichlorobenzene	ND		0.0050	0.00065	mg/Kg	☼	09/26/22 11:12	09/28/22 19:06	1
1,3-Dichlorobenzene	ND		0.0050	0.00030	mg/Kg	☼	09/26/22 11:12	09/28/22 19:06	1

Client: Cleary Consultants, Inc
Project/Site: Mzrina High School

Job ID: 320-92432-1

Client Sample ID: MHSSF-ENV-J@0.5'
Date Collected: 09/22/22 12:00
Date Received: 09/23/22 18:45

Lab Sample ID: 320-92432-10
Matrix: Solid
Percent Solids: 98.2

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.0050	0.00079	mg/Kg	☼	09/26/22 11:12	09/28/22 19:06	1
1,3-Dichloropropane	ND		0.0050	0.00057	mg/Kg	☼	09/26/22 11:12	09/28/22 19:06	1
1,1-Dichloropropene	ND		0.0050	0.00037	mg/Kg	☼	09/26/22 11:12	09/28/22 19:06	1
1,2-Dibromo-3-Chloropropane	ND		0.010	0.00089	mg/Kg	☼	09/26/22 11:12	09/28/22 19:06	1
Ethylene Dibromide	ND		0.010	0.00027	mg/Kg	☼	09/26/22 11:12	09/28/22 19:06	1
Dibromomethane	ND		0.0050	0.00059	mg/Kg	☼	09/26/22 11:12	09/28/22 19:06	1
Dichlorodifluoromethane	ND		0.0050	0.00090	mg/Kg	☼	09/26/22 11:12	09/28/22 19:06	1
1,1-Dichloroethane	ND		0.0050	0.00029	mg/Kg	☼	09/26/22 11:12	09/28/22 19:06	1
1,2-Dichloroethane	ND		0.0050	0.00074	mg/Kg	☼	09/26/22 11:12	09/28/22 19:06	1
1,1-Dichloroethene	ND		0.0050	0.00026	mg/Kg	☼	09/26/22 11:12	09/28/22 19:06	1
cis-1,2-Dichloroethene	ND		0.0050	0.00090	mg/Kg	☼	09/26/22 11:12	09/28/22 19:06	1
trans-1,2-Dichloroethene	ND		0.0050	0.00038	mg/Kg	☼	09/26/22 11:12	09/28/22 19:06	1
1,2-Dichloropropane	ND		0.0050	0.00061	mg/Kg	☼	09/26/22 11:12	09/28/22 19:06	1
cis-1,3-Dichloropropene	ND		0.0050	0.00065	mg/Kg	☼	09/26/22 11:12	09/28/22 19:06	1
trans-1,3-Dichloropropene	ND		0.0050	0.00076	mg/Kg	☼	09/26/22 11:12	09/28/22 19:06	1
Ethylbenzene	ND		0.0050	0.00034	mg/Kg	☼	09/26/22 11:12	09/28/22 19:06	1
Hexachlorobutadiene	ND		0.0050	0.00033	mg/Kg	☼	09/26/22 11:12	09/28/22 19:06	1
2-Hexanone	ND		0.010	0.00075	mg/Kg	☼	09/26/22 11:12	09/28/22 19:06	1
Isopropylbenzene	ND		0.0050	0.00052	mg/Kg	☼	09/26/22 11:12	09/28/22 19:06	1
4-Isopropyltoluene	ND		0.0050	0.00064	mg/Kg	☼	09/26/22 11:12	09/28/22 19:06	1
Methylene Chloride	ND		0.010	0.00085	mg/Kg	☼	09/26/22 11:12	09/28/22 19:06	1
4-Methyl-2-pentanone (MIBK)	ND		0.010	0.00093	mg/Kg	☼	09/26/22 11:12	09/28/22 19:06	1
Naphthalene	ND		0.0050	0.00064	mg/Kg	☼	09/26/22 11:12	09/28/22 19:06	1
N-Propylbenzene	ND		0.0050	0.00029	mg/Kg	☼	09/26/22 11:12	09/28/22 19:06	1
Styrene	ND		0.0050	0.00031	mg/Kg	☼	09/26/22 11:12	09/28/22 19:06	1
1,1,1,2-Tetrachloroethane	ND		0.0050	0.00041	mg/Kg	☼	09/26/22 11:12	09/28/22 19:06	1
1,1,2,2-Tetrachloroethane	ND		0.0050	0.00069	mg/Kg	☼	09/26/22 11:12	09/28/22 19:06	1
Tetrachloroethene	ND		0.0050	0.00062	mg/Kg	☼	09/26/22 11:12	09/28/22 19:06	1
Toluene	ND		0.0050	0.00062	mg/Kg	☼	09/26/22 11:12	09/28/22 19:06	1
1,2,3-Trichlorobenzene	ND		0.0050	0.00076	mg/Kg	☼	09/26/22 11:12	09/28/22 19:06	1
1,2,4-Trichlorobenzene	ND		0.0050	0.00076	mg/Kg	☼	09/26/22 11:12	09/28/22 19:06	1
1,1,1-Trichloroethane	ND		0.0050	0.00036	mg/Kg	☼	09/26/22 11:12	09/28/22 19:06	1
1,1,2-Trichloroethane	ND		0.0050	0.00044	mg/Kg	☼	09/26/22 11:12	09/28/22 19:06	1
Trichloroethene	ND		0.0050	0.00061	mg/Kg	☼	09/26/22 11:12	09/28/22 19:06	1
Trichlorofluoromethane	ND		0.0050	0.00034	mg/Kg	☼	09/26/22 11:12	09/28/22 19:06	1
1,2,3-Trichloropropane	ND		0.0050	0.00077	mg/Kg	☼	09/26/22 11:12	09/28/22 19:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.010	0.00084	mg/Kg	☼	09/26/22 11:12	09/28/22 19:06	1
1,2,4-Trimethylbenzene	ND		0.0050	0.00051	mg/Kg	☼	09/26/22 11:12	09/28/22 19:06	1
1,3,5-Trimethylbenzene	ND		0.0050	0.00035	mg/Kg	☼	09/26/22 11:12	09/28/22 19:06	1
Vinyl acetate	ND		0.010	0.00070	mg/Kg	☼	09/26/22 11:12	09/28/22 19:06	1
Vinyl chloride	ND		0.0050	0.00036	mg/Kg	☼	09/26/22 11:12	09/28/22 19:06	1
Xylenes, Total	ND		0.0050	0.00082	mg/Kg	☼	09/26/22 11:12	09/28/22 19:06	1
2,2-Dichloropropane	ND		0.0050	0.00038	mg/Kg	☼	09/26/22 11:12	09/28/22 19:06	1
Gasoline Range Organics (C4-C12)	ND		500	50	ug/Kg	☼	09/26/22 11:12	09/28/22 19:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*63 - 143*	*09/26/22 11:12*	*09/28/22 19:06*	*1*
Dibromofluoromethane (Surr)	*94*		*55 - 129*	*09/26/22 11:12*	*09/28/22 19:06*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*32 - 156*	*09/26/22 11:12*	*09/28/22 19:06*	*1*
Toluene-d8 (Surr)	*103*		*63 - 138*	*09/26/22 11:12*	*09/28/22 19:06*	*1*

Client: Cleary Consultants, Inc
Project/Site: Mzrina High School

Job ID: 320-92432-1

Client Sample ID: MHSSF-ENV-J@0.5'
Date Collected: 09/22/22 12:00
Date Received: 09/23/22 18:45

Lab Sample ID: 320-92432-10
Matrix: Solid
Percent Solids: 98.2

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.33	0.083	mg/Kg	☼	09/27/22 07:34	09/28/22 18:52	1
Bis(2-chloroethyl)ether	ND		0.33	0.081	mg/Kg	☼	09/27/22 07:34	09/28/22 18:52	1
2-Chlorophenol	ND		0.33	0.088	mg/Kg	☼	09/27/22 07:34	09/28/22 18:52	1
1,3-Dichlorobenzene	ND		0.33	0.078	mg/Kg	☼	09/27/22 07:34	09/28/22 18:52	1
1,4-Dichlorobenzene	ND		0.33	0.077	mg/Kg	☼	09/27/22 07:34	09/28/22 18:52	1
Benzyl alcohol	ND		0.33	0.17	mg/Kg	☼	09/27/22 07:34	09/28/22 18:52	1
1,2-Dichlorobenzene	ND		0.33	0.075	mg/Kg	☼	09/27/22 07:34	09/28/22 18:52	1
2-Methylphenol	ND		0.33	0.058	mg/Kg	☼	09/27/22 07:34	09/28/22 18:52	1
N-Nitrosodi-n-propylamine	ND		0.33	0.084	mg/Kg	☼	09/27/22 07:34	09/28/22 18:52	1
Hexachloroethane	ND		0.33	0.081	mg/Kg	☼	09/27/22 07:34	09/28/22 18:52	1
Nitrobenzene	ND		0.33	0.076	mg/Kg	☼	09/27/22 07:34	09/28/22 18:52	1
Isophorone	ND		0.33	0.093	mg/Kg	☼	09/27/22 07:34	09/28/22 18:52	1
2-Nitrophenol	ND		0.33	0.082	mg/Kg	☼	09/27/22 07:34	09/28/22 18:52	1
2,4-Dimethylphenol	ND		0.33	0.17	mg/Kg	☼	09/27/22 07:34	09/28/22 18:52	1
Bis(2-chloroethoxy)methane	ND		0.33	0.088	mg/Kg	☼	09/27/22 07:34	09/28/22 18:52	1
2,4-Dichlorophenol	ND		0.33	0.089	mg/Kg	☼	09/27/22 07:34	09/28/22 18:52	1
1,2,4-Trichlorobenzene	ND		0.33	0.083	mg/Kg	☼	09/27/22 07:34	09/28/22 18:52	1
Naphthalene	ND		0.33	0.082	mg/Kg	☼	09/27/22 07:34	09/28/22 18:52	1
4-Chloroaniline	ND		0.33	0.058	mg/Kg	☼	09/27/22 07:34	09/28/22 18:52	1
Hexachlorobutadiene	ND		0.33	0.082	mg/Kg	☼	09/27/22 07:34	09/28/22 18:52	1
4-Chloro-3-methylphenol	ND		0.33	0.092	mg/Kg	☼	09/27/22 07:34	09/28/22 18:52	1
2-Methylnaphthalene	ND		0.33	0.085	mg/Kg	☼	09/27/22 07:34	09/28/22 18:52	1
Hexachlorocyclopentadiene	ND		1.6	0.062	mg/Kg	☼	09/27/22 07:34	09/28/22 18:52	1
2,4,6-Trichlorophenol	ND		0.33	0.084	mg/Kg	☼	09/27/22 07:34	09/28/22 18:52	1
2,4,5-Trichlorophenol	ND		0.33	0.083	mg/Kg	☼	09/27/22 07:34	09/28/22 18:52	1
2-Chloronaphthalene	ND		0.33	0.081	mg/Kg	☼	09/27/22 07:34	09/28/22 18:52	1
2-Nitroaniline	ND		1.6	0.084	mg/Kg	☼	09/27/22 07:34	09/28/22 18:52	1
Dimethyl phthalate	ND		0.33	0.087	mg/Kg	☼	09/27/22 07:34	09/28/22 18:52	1
Acenaphthylene	ND		0.33	0.085	mg/Kg	☼	09/27/22 07:34	09/28/22 18:52	1
3-Nitroaniline	ND		1.6	0.17	mg/Kg	☼	09/27/22 07:34	09/28/22 18:52	1
3-Methylphenol & 4-Methylphenol	ND		0.66	0.33	mg/Kg	☼	09/27/22 07:34	09/28/22 18:52	1
Acenaphthene	ND		0.33	0.083	mg/Kg	☼	09/27/22 07:34	09/28/22 18:52	1
2,4-Dinitrophenol	ND	*+	1.6	0.21	mg/Kg	☼	09/27/22 07:34	09/28/22 18:52	1
4-Nitrophenol	ND		1.6	0.28	mg/Kg	☼	09/27/22 07:34	09/28/22 18:52	1
Dibenzofuran	ND		0.33	0.086	mg/Kg	☼	09/27/22 07:34	09/28/22 18:52	1
2,4-Dinitrotoluene	ND		0.33	0.089	mg/Kg	☼	09/27/22 07:34	09/28/22 18:52	1
2,6-Dinitrotoluene	ND		0.33	0.099	mg/Kg	☼	09/27/22 07:34	09/28/22 18:52	1
Diethyl phthalate	ND		0.33	0.090	mg/Kg	☼	09/27/22 07:34	09/28/22 18:52	1
4-Chlorophenyl phenyl ether	ND		0.33	0.093	mg/Kg	☼	09/27/22 07:34	09/28/22 18:52	1
Fluorene	ND		0.33	0.092	mg/Kg	☼	09/27/22 07:34	09/28/22 18:52	1
4-Nitroaniline	ND		1.6	0.088	mg/Kg	☼	09/27/22 07:34	09/28/22 18:52	1
2-Methyl-4,6-dinitrophenol	ND		1.6	0.081	mg/Kg	☼	09/27/22 07:34	09/28/22 18:52	1
N-Nitrosodiphenylamine	ND		0.33	0.086	mg/Kg	☼	09/27/22 07:34	09/28/22 18:52	1
4-Bromophenyl phenyl ether	ND		0.33	0.085	mg/Kg	☼	09/27/22 07:34	09/28/22 18:52	1
Hexachlorobenzene	ND		0.33	0.089	mg/Kg	☼	09/27/22 07:34	09/28/22 18:52	1
Pentachlorophenol	ND		1.6	0.051	mg/Kg	☼	09/27/22 07:34	09/28/22 18:52	1
Phenanthrene	ND		0.33	0.094	mg/Kg	☼	09/27/22 07:34	09/28/22 18:52	1
Anthracene	ND		0.33	0.086	mg/Kg	☼	09/27/22 07:34	09/28/22 18:52	1
Di-n-butyl phthalate	ND		0.33	0.097	mg/Kg	☼	09/27/22 07:34	09/28/22 18:52	1

Client: Cleary Consultants, Inc
Project/Site: Mzrina High School

Job ID: 320-92432-1

Client Sample ID: MHSSF-ENV-J@0.5'
Date Collected: 09/22/22 12:00
Date Received: 09/23/22 18:45

Lab Sample ID: 320-92432-10
Matrix: Solid
Percent Solids: 98.2

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		0.33	0.095	mg/Kg	☼	09/27/22 07:34	09/28/22 18:52	1
Pyrene	ND		0.33	0.094	mg/Kg	☼	09/27/22 07:34	09/28/22 18:52	1
Butyl benzyl phthalate	ND		0.33	0.095	mg/Kg	☼	09/27/22 07:34	09/28/22 18:52	1
3,3'-Dichlorobenzidine	ND		1.6	0.094	mg/Kg	☼	09/27/22 07:34	09/28/22 18:52	1
Benzo[a]anthracene	ND		0.33	0.092	mg/Kg	☼	09/27/22 07:34	09/28/22 18:52	1
Bis(2-ethylhexyl) phthalate	ND		0.33	0.098	mg/Kg	☼	09/27/22 07:34	09/28/22 18:52	1
Chrysene	ND		0.33	0.084	mg/Kg	☼	09/27/22 07:34	09/28/22 18:52	1
Di-n-octyl phthalate	ND		0.33	0.097	mg/Kg	☼	09/27/22 07:34	09/28/22 18:52	1
Benzo[b]fluoranthene	ND		0.33	0.095	mg/Kg	☼	09/27/22 07:34	09/28/22 18:52	1
Benzo[a]pyrene	ND		0.33	0.094	mg/Kg	☼	09/27/22 07:34	09/28/22 18:52	1
Benzo[k]fluoranthene	ND		0.33	0.11	mg/Kg	☼	09/27/22 07:34	09/28/22 18:52	1
Indeno[1,2,3-cd]pyrene	ND		0.33	0.096	mg/Kg	☼	09/27/22 07:34	09/28/22 18:52	1
Benzo[g,h,i]perylene	ND		0.33	0.11	mg/Kg	☼	09/27/22 07:34	09/28/22 18:52	1
Benzoic acid	ND		1.6	0.29	mg/Kg	☼	09/27/22 07:34	09/28/22 18:52	1
Azobenzene	ND		0.33	0.092	mg/Kg	☼	09/27/22 07:34	09/28/22 18:52	1
Dibenz(a,h)anthracene	ND		0.33	0.10	mg/Kg	☼	09/27/22 07:34	09/28/22 18:52	1
Pyridine	ND		0.66	0.072	mg/Kg	☼	09/27/22 07:34	09/28/22 18:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*69*		*54 - 114*	*09/27/22 07:34*	*09/28/22 18:52*	*1*
Terphenyl-d14	*92*		*66 - 126*	*09/27/22 07:34*	*09/28/22 18:52*	*1*
2-Fluorophenol	*73*		*53 - 113*	*09/27/22 07:34*	*09/28/22 18:52*	*1*
Phenol-d5	*74*		*54 - 114*	*09/27/22 07:34*	*09/28/22 18:52*	*1*
2,4,6-Tribromophenol	*103*		*60 - 120*	*09/27/22 07:34*	*09/28/22 18:52*	*1*

Method: EPA 8015C - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**1.8**	**B**	1.0	0.50	mg/Kg	☼	09/27/22 07:45	09/29/22 05:48	1
Motor Oil Range Organics [C28-C40]	**6.1**		5.0	3.8	mg/Kg	☼	09/27/22 07:45	09/29/22 05:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*66*		*51 - 111*	*09/27/22 07:45*	*09/29/22 05:48*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.0016	0.00013	mg/Kg	☼	09/27/22 10:07	10/06/22 20:33	1
alpha-BHC	ND		0.0016	0.00015	mg/Kg	☼	09/27/22 10:07	10/06/22 20:33	1
beta-BHC	ND		0.0016	0.00021	mg/Kg	☼	09/27/22 10:07	10/06/22 20:33	1
gamma-BHC (Lindane)	ND		0.0016	0.00013	mg/Kg	☼	09/27/22 10:07	10/06/22 20:33	1
delta-BHC	ND		0.0016	0.00034	mg/Kg	☼	09/27/22 10:07	10/06/22 20:33	1
cis-Chlordane	ND		0.0016	0.00017	mg/Kg	☼	09/27/22 10:07	10/06/22 20:33	1
trans-Chlordane	ND	F1	0.0016	0.00057	mg/Kg	☼	09/27/22 10:07	10/06/22 20:33	1
Chlordane (technical)	ND		0.019	0.0090	mg/Kg	☼	09/27/22 10:07	10/06/22 20:33	1
4,4'-DDD	ND		0.0016	0.00022	mg/Kg	☼	09/27/22 10:07	10/06/22 20:33	1
4,4'-DDE	**0.00022**	**J**	0.0016	0.00020	mg/Kg	☼	09/27/22 10:07	10/06/22 20:33	1
4,4'-DDT	**0.00045**	**J**	0.0016	0.00024	mg/Kg	☼	09/27/22 10:07	10/06/22 20:33	1
Dieldrin	**0.00045**	**J**	0.0016	0.00019	mg/Kg	☼	09/27/22 10:07	10/06/22 20:33	1
Endosulfan I	ND	F1	0.0016	0.00017	mg/Kg	☼	09/27/22 10:07	10/06/22 20:33	1
Endosulfan II	ND	F1	0.0016	0.00017	mg/Kg	☼	09/27/22 10:07	10/06/22 20:33	1
Endosulfan sulfate	ND		0.0016	0.00034	mg/Kg	☼	09/27/22 10:07	10/06/22 20:33	1

Client: Cleary Consultants, Inc
Project/Site: Mzrina High School

Job ID: 320-92432-1

Client Sample ID: MHSSF-ENV-J@0.5'
Date Collected: 09/22/22 12:00
Date Received: 09/23/22 18:45

Lab Sample ID: 320-92432-10
Matrix: Solid
Percent Solids: 98.2

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endrin	ND		0.0016	0.00019	mg/Kg	☼	09/27/22 10:07	10/06/22 20:33	1
Endrin aldehyde	ND		0.0016	0.00055	mg/Kg	☼	09/27/22 10:07	10/06/22 20:33	1
Endrin ketone	ND		0.0016	0.00026	mg/Kg	☼	09/27/22 10:07	10/06/22 20:33	1
Heptachlor	ND		0.0016	0.00014	mg/Kg	☼	09/27/22 10:07	10/06/22 20:33	1
Heptachlor epoxide	ND		0.0016	0.00017	mg/Kg	☼	09/27/22 10:07	10/06/22 20:33	1
Methoxychlor	ND		0.0033	0.00054	mg/Kg	☼	09/27/22 10:07	10/06/22 20:33	1
Toxaphene	ND		0.064	0.021	mg/Kg	☼	09/27/22 10:07	10/06/22 20:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*67*		*46 - 109*	*09/27/22 10:07*	*10/06/22 20:33*	*1*
DCB Decachlorobiphenyl	*75*		*46 - 109*	*09/27/22 10:07*	*10/06/22 20:33*	*1*
Tetrachloro-m-xylene	*67*		*47 - 107*	*09/27/22 10:07*	*10/06/22 20:33*	*1*
Tetrachloro-m-xylene	*63*		*47 - 107*	*09/27/22 10:07*	*10/06/22 20:33*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		32	2.4	ug/Kg	☼	09/27/22 10:56	10/04/22 21:20	1
PCB-1221	ND		32	3.5	ug/Kg	☼	09/27/22 10:56	10/04/22 21:20	1
PCB-1232	ND		32	4.6	ug/Kg	☼	09/27/22 10:56	10/04/22 21:20	1
PCB-1242	ND		32	5.6	ug/Kg	☼	09/27/22 10:56	10/04/22 21:20	1
PCB-1248	ND		32	2.3	ug/Kg	☼	09/27/22 10:56	10/04/22 21:20	1
PCB-1254	ND		32	3.6	ug/Kg	☼	09/27/22 10:56	10/04/22 21:20	1
PCB-1260	ND		32	2.6	ug/Kg	☼	09/27/22 10:56	10/04/22 21:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*110*		*52 - 138*	*09/27/22 10:56*	*10/04/22 21:20*	*1*

Method: SW846 7199 - Chromium, Hexavalent (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	ND		0.41	0.20	mg/Kg	☼	09/29/22 02:00	09/29/22 10:18	10

Method: SW846 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**3.8**		1.9	0.91	mg/Kg	☼	09/26/22 16:00	09/27/22 14:40	1
Arsenic	ND		1.9	1.3	mg/Kg	☼	09/26/22 16:00	09/27/22 14:40	1
Barium	**9.9**		0.97	0.12	mg/Kg	☼	09/26/22 16:00	09/27/22 14:40	1
Beryllium	**0.096**	J	0.19	0.029	mg/Kg	☼	09/26/22 16:00	09/27/22 14:40	1
Cadmium	**0.037**	J	0.19	0.029	mg/Kg	☼	09/26/22 16:00	09/27/22 14:40	1
Chromium	**5.2**		0.49	0.14	mg/Kg	☼	09/26/22 16:00	09/27/22 14:40	1
Cobalt	**0.82**		0.49	0.24	mg/Kg	☼	09/26/22 16:00	09/27/22 14:40	1
Copper	**1.7**		1.5	0.21	mg/Kg	☼	09/26/22 16:00	09/27/22 14:40	1
Lead	**1.1**		0.97	0.25	mg/Kg	☼	09/26/22 16:00	09/27/22 14:40	1
Molybdenum	ND		1.9	0.73	mg/Kg	☼	09/26/22 16:00	09/27/22 14:40	1
Nickel	**4.8**		0.97	0.23	mg/Kg	☼	09/26/22 16:00	09/27/22 14:40	1
Selenium	ND		1.9	1.4	mg/Kg	☼	09/26/22 16:00	09/27/22 14:40	1
Silver	ND		0.49	0.087	mg/Kg	☼	09/26/22 16:00	09/27/22 14:40	1
Thallium	ND		1.9	0.82	mg/Kg	☼	09/26/22 16:00	09/27/22 14:40	1
Vanadium	**4.3**		0.49	0.18	mg/Kg	☼	09/26/22 16:00	09/27/22 14:40	1
Zinc	**6.8**		1.9	0.18	mg/Kg	☼	09/26/22 16:00	09/27/22 14:40	1

Client Sample Results

Client: Cleary Consultants, Inc
Project/Site: Mzrina High School

Job ID: 320-92432-1

Client Sample ID: MHSSF-ENV-J@0.5'

Date Collected: 09/22/22 12:00
Date Received: 09/23/22 18:45

Lab Sample ID: 320-92432-10

Matrix: Solid
Percent Solids: 98.2

Method: SW846 6010B - Metals (ICP) - STLC Citrate

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**0.049**	**J B**	0.10	0.012	mg/L			10/03/22 13:42	10
Arsenic	ND		0.20	0.12	mg/L			10/03/22 13:42	10
Chromium	**0.034**	**J**	0.10	0.0060	mg/L			10/03/22 13:42	10

Method: SW846 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.039	0.0079	mg/Kg	☼	09/27/22 11:43	09/27/22 15:20	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (ASTM D 2216)	**1.8**		0.1	0.1	%			09/26/22 15:18	1

Surrogate Summary

Client: Cleary Consultants, Inc
Project/Site: Mzrina High School

Job ID: 320-92432-1

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)
320-92432-1	MHSSF-ENV-A@0.5'	106	95	95	108
320-92432-2	MHSSF-ENV-B@0.5'	103	93	96	106
320-92432-3	MHSSF-ENV-C@0.5'	104	92	92	106
320-92432-4	MHSSF-ENV-D@0.5'	106	97	98	106
320-92432-5	MHSSF-ENV-E@0.5'	106	95	94	105
320-92432-6	MHSSF-ENV-F@0.5'	101	92	89	104
320-92432-7	MHSSF-ENV-G@0.5'	103	96	91	105
320-92432-8	MHSSF-ENV-H@0.5'	106	96	94	108
320-92432-9	MHSSF-ENV-I@0.5'	104	95	94	106
320-92432-10	MHSSF-ENV-J@0.5'	104	94	93	103
LCS 320-620650/6	Lab Control Sample	103	96	92	104
LCS 320-620650/8	Lab Control Sample	106	97	91	107
LCSD 320-620650/7	Lab Control Sample Dup	102	96	90	103
LCSD 320-620650/9	Lab Control Sample Dup	105	96	92	105
MB 320-620650/11	Method Blank	108	96	92	104

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)				
		NBZ	TPHL	2FP	PHL	TBP
Lab Sample ID	Client Sample ID	(54-114)	(66-126)	(53-113)	(54-114)	(60-120)
320-92432-1	MHSSF-ENV-A@0.5'	61	80	68	70	86
320-92432-1 MS	MHSSF-ENV-A@0.5'	76	92	78	83	100
320-92432-1 MSD	MHSSF-ENV-A@0.5'	79	97	83	90	110
320-92432-2	MHSSF-ENV-B@0.5'	66	92	72	75	99
320-92432-3	MHSSF-ENV-C@0.5'	75	90	80	78	97
320-92432-4	MHSSF-ENV-D@0.5'	63	72	71	74	86
320-92432-5	MHSSF-ENV-E@0.5'	75	89	79	80	99
320-92432-6	MHSSF-ENV-F@0.5'	66	89	75	79	103
320-92432-7	MHSSF-ENV-G@0.5'	71	87	76	76	94
320-92432-8	MHSSF-ENV-H@0.5'	73	90	79	78	99
320-92432-9	MHSSF-ENV-I@0.5'	72	92	75	77	100
320-92432-10	MHSSF-ENV-J@0.5'	69	92	73	74	103
LCS 320-620314/2-A	Lab Control Sample	86	94	93	95	107
MB 320-620314/1-A	Method Blank	89	98	99	99	109

Surrogate Legend

NBZ = Nitrobenzene-d5
TPHL = Terphenyl-d14
2FP = 2-Fluorophenol
PHL = Phenol-d5
TBP = 2,4,6-Tribromophenol

Surrogate Summary

Client: Cleary Consultants, Inc
Project/Site: Mzrina High School

Job ID: 320-92432-1

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

Matrix: Solid **Prep Type: Silica Gel Cleanup**

		Percent Surrogate Recovery (Acceptance Limits)								
Lab Sample ID	Client Sample ID	OTPH1 (51-111)								
320-92432-1	MHSSF-ENV-A@0.5'	64								
320-92432-2	MHSSF-ENV-B@0.5'	66								
320-92432-3	MHSSF-ENV-C@0.5'	66								
320-92432-4	MHSSF-ENV-D@0.5'	162 S1+								
320-92432-5	MHSSF-ENV-E@0.5'	67								
320-92432-6	MHSSF-ENV-F@0.5'	48 S1-								
320-92432-7	MHSSF-ENV-G@0.5'	54								
320-92432-8	MHSSF-ENV-H@0.5'	62								
320-92432-9	MHSSF-ENV-I@0.5'	57								
320-92432-10	MHSSF-ENV-J@0.5'	66								
320-92432-10 MS	MHSSF-ENV-J@0.5'	65								
320-92432-10 MSD	MHSSF-ENV-J@0.5'	67								
LCS 320-620320/2-A	Lab Control Sample	66								
MB 320-620320/1-A	Method Blank	67								

Surrogate Legend

OTPH = o-Terphenyl (Surr)

Method: 8081B - Organochlorine Pesticides (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)								
Lab Sample ID	Client Sample ID	DCBP1 (46-109)	DCBP2 (46-109)	TCX1 (47-107)	TCX2 (47-107)					
320-92432-1	MHSSF-ENV-A@0.5'	74	79	64	58					
320-92432-2	MHSSF-ENV-B@0.5'	69	77	64	59					
320-92432-3	MHSSF-ENV-C@0.5'	70	78	65	58					
320-92432-4	MHSSF-ENV-D@0.5'	48	49	35 p S1-	57					
320-92432-5	MHSSF-ENV-E@0.5'	54	64	62	64					
320-92432-6	MHSSF-ENV-F@0.5'	71	78	69	64					
320-92432-7	MHSSF-ENV-G@0.5'	73	81	69	63					
320-92432-8	MHSSF-ENV-H@0.5'	65	73	69	60					
320-92432-9	MHSSF-ENV-I@0.5'	68	75	67	62					
320-92432-10	MHSSF-ENV-J@0.5'	67	75	67	63					
320-92432-10 MS	MHSSF-ENV-J@0.5'	61		63						
320-92432-10 MSD	MHSSF-ENV-J@0.5'	72		77						
LCS 320-620354/2-A	Lab Control Sample	89		94						
LCS 320-620354/3-A	Lab Control Sample	70		64						
LCS 320-620354/4-A	Lab Control Sample	68		61						
MB 320-620354/1-A	Method Blank	61	66	72	63					

Surrogate Legend

DCBP = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

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

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

		Percent Surrogate Recovery (Acceptance Limits)								
Lab Sample ID	Client Sample ID	DCBP1 (52-138)								
320-92432-1	MHSSF-ENV-A@0.5'	114								

Surrogate Summary

Client: Cleary Consultants, Inc
Project/Site: Mzrina High School

Job ID: 320-92432-1

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

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

		Percent Surrogate Recovery (Acceptance Limits)						
Lab Sample ID	Client Sample ID	DCBP1 (52-138)						
320-92432-2	MHSSF-ENV-B@0.5'	116						
320-92432-3	MHSSF-ENV-C@0.5'	103						
320-92432-4	MHSSF-ENV-D@0.5'	61						
320-92432-5	MHSSF-ENV-E@0.5'	97						
320-92432-6	MHSSF-ENV-F@0.5'	130						
320-92432-7	MHSSF-ENV-G@0.5'	124						
320-92432-8	MHSSF-ENV-H@0.5'	114						
320-92432-9	MHSSF-ENV-I@0.5'	106						
320-92432-10	MHSSF-ENV-J@0.5'	110						
320-92432-10 MS	MHSSF-ENV-J@0.5'	117						
320-92432-10 MSD	MHSSF-ENV-J@0.5'	112						
LCS 320-620369/2-A	Lab Control Sample	123						
MB 320-620369/1-A	Method Blank	120						

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

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

Lab Sample ID: MB 320-620650/11
Matrix: Solid
Analysis Batch: 620650

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.010	0.00060	mg/Kg			09/28/22 12:07	1
Acetone	ND		0.020	0.0014	mg/Kg			09/28/22 12:07	1
Benzene	ND		0.0050	0.00026	mg/Kg			09/28/22 12:07	1
Dichlorobromomethane	ND		0.0050	0.00053	mg/Kg			09/28/22 12:07	1
Bromobenzene	ND		0.0050	0.00052	mg/Kg			09/28/22 12:07	1
Chlorobromomethane	ND		0.0050	0.00094	mg/Kg			09/28/22 12:07	1
Bromoform	ND		0.0050	0.00040	mg/Kg			09/28/22 12:07	1
Bromomethane	ND		0.0050	0.00086	mg/Kg			09/28/22 12:07	1
2-Butanone (MEK)	ND		0.010	0.0014	mg/Kg			09/28/22 12:07	1
n-Butylbenzene	ND		0.0050	0.00066	mg/Kg			09/28/22 12:07	1
sec-Butylbenzene	ND		0.0050	0.00075	mg/Kg			09/28/22 12:07	1
tert-Butylbenzene	ND		0.0050	0.00054	mg/Kg			09/28/22 12:07	1
Carbon disulfide	ND		0.010	0.00049	mg/Kg			09/28/22 12:07	1
Carbon tetrachloride	ND		0.0050	0.00053	mg/Kg			09/28/22 12:07	1
Chlorobenzene	ND		0.0050	0.00029	mg/Kg			09/28/22 12:07	1
Chloroethane	ND		0.0050	0.00045	mg/Kg			09/28/22 12:07	1
Chloroform	ND		0.0050	0.00026	mg/Kg			09/28/22 12:07	1
Chloromethane	ND		0.0050	0.00050	mg/Kg			09/28/22 12:07	1
2-Chlorotoluene	ND		0.0050	0.00062	mg/Kg			09/28/22 12:07	1
4-Chlorotoluene	ND		0.0050	0.00086	mg/Kg			09/28/22 12:07	1
Chlorodibromomethane	ND		0.0050	0.00021	mg/Kg			09/28/22 12:07	1
1,2-Dichlorobenzene	ND		0.0050	0.00064	mg/Kg			09/28/22 12:07	1
1,3-Dichlorobenzene	ND		0.0050	0.00030	mg/Kg			09/28/22 12:07	1
1,4-Dichlorobenzene	ND		0.0050	0.00078	mg/Kg			09/28/22 12:07	1
1,3-Dichloropropane	ND		0.0050	0.00057	mg/Kg			09/28/22 12:07	1
1,1-Dichloropropene	ND		0.0050	0.00037	mg/Kg			09/28/22 12:07	1
1,2-Dibromo-3-Chloropropane	ND		0.010	0.00088	mg/Kg			09/28/22 12:07	1
Ethylene Dibromide	ND		0.010	0.00027	mg/Kg			09/28/22 12:07	1
Dibromomethane	ND		0.0050	0.00058	mg/Kg			09/28/22 12:07	1
Dichlorodifluoromethane	ND		0.0050	0.00089	mg/Kg			09/28/22 12:07	1
1,1-Dichloroethane	ND		0.0050	0.00029	mg/Kg			09/28/22 12:07	1
1,2-Dichloroethane	ND		0.0050	0.00073	mg/Kg			09/28/22 12:07	1
1,1-Dichloroethene	ND		0.0050	0.00026	mg/Kg			09/28/22 12:07	1
cis-1,2-Dichloroethene	ND		0.0050	0.00089	mg/Kg			09/28/22 12:07	1
trans-1,2-Dichloroethene	ND		0.0050	0.00038	mg/Kg			09/28/22 12:07	1
1,2-Dichloropropane	ND		0.0050	0.00060	mg/Kg			09/28/22 12:07	1
cis-1,3-Dichloropropene	ND		0.0050	0.00064	mg/Kg			09/28/22 12:07	1
trans-1,3-Dichloropropene	ND		0.0050	0.00075	mg/Kg			09/28/22 12:07	1
Ethylbenzene	ND		0.0050	0.00034	mg/Kg			09/28/22 12:07	1
Hexachlorobutadiene	ND		0.0050	0.00033	mg/Kg			09/28/22 12:07	1
2-Hexanone	ND		0.010	0.00074	mg/Kg			09/28/22 12:07	1
Isopropylbenzene	ND		0.0050	0.00052	mg/Kg			09/28/22 12:07	1
4-Isopropyltoluene	ND		0.0050	0.00063	mg/Kg			09/28/22 12:07	1
Methylene Chloride	ND		0.010	0.00084	mg/Kg			09/28/22 12:07	1
4-Methyl-2-pentanone (MIBK)	ND		0.010	0.00092	mg/Kg			09/28/22 12:07	1
Naphthalene	ND		0.0050	0.00063	mg/Kg			09/28/22 12:07	1
N-Propylbenzene	ND		0.0050	0.00029	mg/Kg			09/28/22 12:07	1
Styrene	ND		0.0050	0.00031	mg/Kg			09/28/22 12:07	1

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

Lab Sample ID: MB 320-620650/11
Matrix: Solid
Analysis Batch: 620650

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.0050	0.00041	mg/Kg			09/28/22 12:07	1
1,1,2,2-Tetrachloroethane	ND		0.0050	0.00068	mg/Kg			09/28/22 12:07	1
Tetrachloroethene	ND		0.0050	0.00061	mg/Kg			09/28/22 12:07	1
Toluene	ND		0.0050	0.00061	mg/Kg			09/28/22 12:07	1
1,2,3-Trichlorobenzene	ND		0.0050	0.00075	mg/Kg			09/28/22 12:07	1
1,2,4-Trichlorobenzene	ND		0.0050	0.00075	mg/Kg			09/28/22 12:07	1
1,1,1-Trichloroethane	ND		0.0050	0.00036	mg/Kg			09/28/22 12:07	1
1,1,2-Trichloroethane	ND		0.0050	0.00044	mg/Kg			09/28/22 12:07	1
Trichloroethene	ND		0.0050	0.00060	mg/Kg			09/28/22 12:07	1
Trichlorofluoromethane	ND		0.0050	0.00034	mg/Kg			09/28/22 12:07	1
1,2,3-Trichloropropane	ND		0.0050	0.00076	mg/Kg			09/28/22 12:07	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.010	0.00083	mg/Kg			09/28/22 12:07	1
1,2,4-Trimethylbenzene	ND		0.0050	0.00051	mg/Kg			09/28/22 12:07	1
1,3,5-Trimethylbenzene	ND		0.0050	0.00035	mg/Kg			09/28/22 12:07	1
Vinyl acetate	ND		0.010	0.00069	mg/Kg			09/28/22 12:07	1
Vinyl chloride	ND		0.0050	0.00036	mg/Kg			09/28/22 12:07	1
Xylenes, Total	ND		0.0050	0.00081	mg/Kg			09/28/22 12:07	1
2,2-Dichloropropane	ND		0.0050	0.00038	mg/Kg			09/28/22 12:07	1
Gasoline Range Organics (C4-C12)	ND		500	50	ug/Kg			09/28/22 12:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*63 - 143*		*09/28/22 12:07*	*1*
Dibromofluoromethane (Surr)	*96*		*55 - 129*		*09/28/22 12:07*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*32 - 156*		*09/28/22 12:07*	*1*
Toluene-d8 (Surr)	*104*		*63 - 138*		*09/28/22 12:07*	*1*

Lab Sample ID: LCS 320-620650/6
Matrix: Solid
Analysis Batch: 620650

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methyl tert-butyl ether	0.0500	0.0454		mg/Kg		91	66 - 146
Acetone	0.125	0.121		mg/Kg		96	64 - 128
Benzene	0.0500	0.0486		mg/Kg		97	78 - 128
Dichlorobromomethane	0.0500	0.0463		mg/Kg		93	80 - 137
Bromobenzene	0.0500	0.0480		mg/Kg		96	67 - 132
Chlorobromomethane	0.0500	0.0451		mg/Kg		90	80 - 127
Bromoform	0.0500	0.0461		mg/Kg		92	80 - 136
Bromomethane	0.0500	0.0492		mg/Kg		98	48 - 164
2-Butanone (MEK)	0.125	0.118		mg/Kg		94	71 - 142
n-Butylbenzene	0.0500	0.0462		mg/Kg		92	68 - 136
sec-Butylbenzene	0.0500	0.0460		mg/Kg		92	68 - 131
tert-Butylbenzene	0.0500	0.0450		mg/Kg		90	67 - 131
Carbon disulfide	0.0500	0.0514		mg/Kg		103	52 - 145
Carbon tetrachloride	0.0500	0.0514		mg/Kg		103	62 - 154
Chlorobenzene	0.0500	0.0484		mg/Kg		97	74 - 125
Chloroethane	0.0500	0.0505		mg/Kg		101	54 - 148
Chloroform	0.0500	0.0472		mg/Kg		94	78 - 135

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

Lab Sample ID: LCS 320-620650/6
Matrix: Solid
Analysis Batch: 620650

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloromethane	0.0500	0.0480		mg/Kg		96	60 - 141
2-Chlorotoluene	0.0500	0.0500		mg/Kg		100	64 - 127
4-Chlorotoluene	0.0500	0.0496		mg/Kg		99	67 - 128
Chlorodibromomethane	0.0500	0.0466		mg/Kg		93	80 - 133
1,2-Dichlorobenzene	0.0500	0.0484		mg/Kg		97	68 - 121
1,3-Dichlorobenzene	0.0500	0.0493		mg/Kg		99	64 - 126
1,4-Dichlorobenzene	0.0500	0.0488		mg/Kg		98	65 - 124
1,3-Dichloropropane	0.0500	0.0471		mg/Kg		94	80 - 123
1,1-Dichloropropene	0.0500	0.0520		mg/Kg		104	76 - 132
1,2-Dibromo-3-Chloropropane	0.0500	0.0485		mg/Kg		97	75 - 137
Ethylene Dibromide	0.0500	0.0467		mg/Kg		93	80 - 124
Dibromomethane	0.0500	0.0454		mg/Kg		91	80 - 129
Dichlorodifluoromethane	0.0500	0.0468		mg/Kg		94	60 - 130
1,1-Dichloroethane	0.0500	0.0484		mg/Kg		97	76 - 134
1,2-Dichloroethane	0.0500	0.0451		mg/Kg		90	66 - 150
1,1-Dichloroethene	0.0500	0.0519		mg/Kg		104	66 - 136
cis-1,2-Dichloroethene	0.0500	0.0475		mg/Kg		95	74 - 131
trans-1,2-Dichloroethene	0.0500	0.0507		mg/Kg		101	67 - 135
1,2-Dichloropropane	0.0500	0.0469		mg/Kg		94	80 - 129
cis-1,3-Dichloropropene	0.0500	0.0471		mg/Kg		94	80 - 134
trans-1,3-Dichloropropene	0.0500	0.0458		mg/Kg		92	80 - 148
Ethylbenzene	0.0500	0.0501		mg/Kg		100	72 - 125
Hexachlorobutadiene	0.0500	0.0458		mg/Kg		92	52 - 140
2-Hexanone	0.125	0.125		mg/Kg		100	78 - 143
Isopropylbenzene	0.0500	0.0511		mg/Kg		102	69 - 137
4-Isopropyltoluene	0.0500	0.0459		mg/Kg		92	64 - 137
Methylene Chloride	0.0500	0.0467		mg/Kg		93	77 - 125
4-Methyl-2-pentanone (MIBK)	0.125	0.126		mg/Kg		101	79 - 150
Naphthalene	0.0500	0.0473		mg/Kg		95	53 - 140
N-Propylbenzene	0.0500	0.0527		mg/Kg		105	63 - 128
Styrene	0.0500	0.0490		mg/Kg		98	79 - 128
1,1,1,2-Tetrachloroethane	0.0500	0.0472		mg/Kg		94	77 - 134
1,1,2,2-Tetrachloroethane	0.0500	0.0485		mg/Kg		97	71 - 134
Tetrachloroethene	0.0500	0.0488		mg/Kg		98	65 - 135
Toluene	0.0500	0.0494		mg/Kg		99	80 - 124
1,2,3-Trichlorobenzene	0.0500	0.0483		mg/Kg		97	54 - 140
1,2,4-Trichlorobenzene	0.0500	0.0435		mg/Kg		87	48 - 145
1,1,1-Trichloroethane	0.0500	0.0500		mg/Kg		100	67 - 150
1,1,2-Trichloroethane	0.0500	0.0455		mg/Kg		91	80 - 128
Trichloroethene	0.0500	0.0491		mg/Kg		98	80 - 126
Trichlorofluoromethane	0.0500	0.0494		mg/Kg		99	43 - 158
1,2,3-Trichloropropane	0.0500	0.0472		mg/Kg		94	71 - 132
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0500	0.0497		mg/Kg		99	62 - 138
1,2,4-Trimethylbenzene	0.0500	0.0513		mg/Kg		103	64 - 137
1,3,5-Trimethylbenzene	0.0500	0.0454		mg/Kg		91	66 - 135
Vinyl acetate	0.0500	0.0460		mg/Kg		92	39 - 160
Vinyl chloride	0.0500	0.0502		mg/Kg		100	67 - 127
m-Xylene & p-Xylene	0.0500	0.0506		mg/Kg		101	73 - 128

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

Lab Sample ID: LCS 320-620650/6
Matrix: Solid
Analysis Batch: 620650

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
o-Xylene			0.0500	0.0496		mg/Kg		99	76 - 127		
Xylenes, Total			0.100	0.100		mg/Kg		100	75 - 122		
2,2-Dichloropropane			0.0500	0.0514		mg/Kg		103	69 - 153		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*63 - 143*
Dibromofluoromethane (Surr)	*96*		*55 - 129*
1,2-Dichloroethane-d4 (Surr)	*92*		*32 - 156*
Toluene-d8 (Surr)	*104*		*63 - 138*

Lab Sample ID: LCS 320-620650/8
Matrix: Solid
Analysis Batch: 620650

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 (C4-C12)			1000	1190		ug/Kg		119	79 - 123		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*63 - 143*
Dibromofluoromethane (Surr)	*97*		*55 - 129*
1,2-Dichloroethane-d4 (Surr)	*91*		*32 - 156*
Toluene-d8 (Surr)	*107*		*63 - 138*

Lab Sample ID: LCSD 320-620650/7
Matrix: Solid
Analysis Batch: 620650

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
Methyl tert-butyl ether			0.0500	0.0509		mg/Kg		102	66 - 146	11	45
Acetone			0.125	0.129		mg/Kg		103	64 - 128	7	36
Benzene			0.0500	0.0512		mg/Kg		102	78 - 128	5	37
Dichlorobromomethane			0.0500	0.0493		mg/Kg		99	80 - 137	6	37
Bromobenzene			0.0500	0.0510		mg/Kg		102	67 - 132	6	40
Chlorobromomethane			0.0500	0.0501		mg/Kg		100	80 - 127	10	36
Bromoform			0.0500	0.0487		mg/Kg		97	80 - 136	6	45
Bromomethane			0.0500	0.0544		mg/Kg		109	48 - 164	10	38
2-Butanone (MEK)			0.125	0.121		mg/Kg		97	71 - 142	3	44
n-Butylbenzene			0.0500	0.0515		mg/Kg		103	68 - 136	11	37
sec-Butylbenzene			0.0500	0.0511		mg/Kg		102	68 - 131	11	40
tert-Butylbenzene			0.0500	0.0491		mg/Kg		98	67 - 131	9	42
Carbon disulfide			0.0500	0.0545		mg/Kg		109	52 - 145	6	46
Carbon tetrachloride			0.0500	0.0541		mg/Kg		108	62 - 154	5	43
Chlorobenzene			0.0500	0.0515		mg/Kg		103	74 - 125	6	38
Chloroethane			0.0500	0.0543		mg/Kg		109	54 - 148	7	34
Chloroform			0.0500	0.0516		mg/Kg		103	78 - 135	9	23
Chloromethane			0.0500	0.0506		mg/Kg		101	60 - 141	5	36
2-Chlorotoluene			0.0500	0.0546		mg/Kg		109	64 - 127	9	41

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

Lab Sample ID: LCSD 320-620650/7
Matrix: Solid
Analysis Batch: 620650

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
4-Chlorotoluene	0.0500	0.0541		mg/Kg		108	67 - 128	9	40
Chlorodibromomethane	0.0500	0.0494		mg/Kg		99	80 - 133	6	24
1,2-Dichlorobenzene	0.0500	0.0538		mg/Kg		108	68 - 121	10	28
1,3-Dichlorobenzene	0.0500	0.0543		mg/Kg		109	64 - 126	10	41
1,4-Dichlorobenzene	0.0500	0.0528		mg/Kg		106	65 - 124	8	38
1,3-Dichloropropane	0.0500	0.0489		mg/Kg		98	80 - 123	4	39
1,1-Dichloropropene	0.0500	0.0541		mg/Kg		108	76 - 132	4	38
1,2-Dibromo-3-Chloropropane	0.0500	0.0513		mg/Kg		103	75 - 137	6	48
Ethylene Dibromide	0.0500	0.0488		mg/Kg		98	80 - 124	4	39
Dibromomethane	0.0500	0.0481		mg/Kg		96	80 - 129	6	37
Dichlorodifluoromethane	0.0500	0.0490		mg/Kg		98	60 - 130	5	46
1,1-Dichloroethane	0.0500	0.0526		mg/Kg		105	76 - 134	8	24
1,2-Dichloroethane	0.0500	0.0485		mg/Kg		97	66 - 150	7	36
1,1-Dichloroethene	0.0500	0.0547		mg/Kg		109	66 - 136	5	42
cis-1,2-Dichloroethene	0.0500	0.0515		mg/Kg		103	74 - 131	8	37
trans-1,2-Dichloroethene	0.0500	0.0544		mg/Kg		109	67 - 135	7	37
1,2-Dichloropropane	0.0500	0.0498		mg/Kg		100	80 - 129	6	38
cis-1,3-Dichloropropene	0.0500	0.0489		mg/Kg		98	80 - 134	4	39
trans-1,3-Dichloropropene	0.0500	0.0473		mg/Kg		95	80 - 148	3	42
Ethylbenzene	0.0500	0.0535		mg/Kg		107	72 - 125	6	41
Hexachlorobutadiene	0.0500	0.0531		mg/Kg		106	52 - 140	15	38
2-Hexanone	0.125	0.128		mg/Kg		103	78 - 143	3	73
Isopropylbenzene	0.0500	0.0559		mg/Kg		112	69 - 137	9	41
4-Isopropyltoluene	0.0500	0.0507		mg/Kg		101	64 - 137	10	40
Methylene Chloride	0.0500	0.0510		mg/Kg		102	77 - 125	9	25
4-Methyl-2-pentanone (MIBK)	0.125	0.130		mg/Kg		104	79 - 150	3	48
Naphthalene	0.0500	0.0541		mg/Kg		108	53 - 140	13	46
N-Propylbenzene	0.0500	0.0565		mg/Kg		113	63 - 128	7	42
Styrene	0.0500	0.0523		mg/Kg		105	79 - 128	7	40
1,1,1,2-Tetrachloroethane	0.0500	0.0518		mg/Kg		104	77 - 134	9	25
1,1,2,2-Tetrachloroethane	0.0500	0.0508		mg/Kg		102	71 - 134	5	31
Tetrachloroethene	0.0500	0.0505		mg/Kg		101	65 - 135	4	39
Toluene	0.0500	0.0516		mg/Kg		103	80 - 124	4	39
1,2,3-Trichlorobenzene	0.0500	0.0555		mg/Kg		111	54 - 140	14	42
1,2,4-Trichlorobenzene	0.0500	0.0502		mg/Kg		100	48 - 145	14	39
1,1,1-Trichloroethane	0.0500	0.0536		mg/Kg		107	67 - 150	7	43
1,1,2-Trichloroethane	0.0500	0.0478		mg/Kg		96	80 - 128	5	41
Trichloroethene	0.0500	0.0531		mg/Kg		106	80 - 126	8	40
Trichlorofluoromethane	0.0500	0.0521		mg/Kg		104	43 - 158	5	32
1,2,3-Trichloropropane	0.0500	0.0495		mg/Kg		99	71 - 132	5	41
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0500	0.0538		mg/Kg		108	62 - 138	8	22
1,2,4-Trimethylbenzene	0.0500	0.0561		mg/Kg		112	64 - 137	9	41
1,3,5-Trimethylbenzene	0.0500	0.0491		mg/Kg		98	66 - 135	8	42
Vinyl acetate	0.0500	0.0481		mg/Kg		96	39 - 160	4	50
Vinyl chloride	0.0500	0.0533		mg/Kg		107	67 - 127	6	37
m-Xylene & p-Xylene	0.0500	0.0541		mg/Kg		108	73 - 128	7	40
o-Xylene	0.0500	0.0538		mg/Kg		108	76 - 127	8	40
Xylenes, Total	0.100	0.108		mg/Kg		108	75 - 122	7	15

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

Lab Sample ID: LCSD 320-620650/7
Matrix: Solid
Analysis Batch: 620650

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
2,2-Dichloropropane			0.0500	0.0545		mg/Kg		109	69 - 153	6	47

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*63 - 143*
Dibromofluoromethane (Surr)	*96*		*55 - 129*
1,2-Dichloroethane-d4 (Surr)	*90*		*32 - 156*
Toluene-d8 (Surr)	*103*		*63 - 138*

Lab Sample ID: LCSD 320-620650/9
Matrix: Solid
Analysis Batch: 620650

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 (C4-C12)			1000	1100		ug/Kg		110	79 - 123	7	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*63 - 143*
Dibromofluoromethane (Surr)	*96*		*55 - 129*
1,2-Dichloroethane-d4 (Surr)	*92*		*32 - 156*
Toluene-d8 (Surr)	*105*		*63 - 138*

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

Lab Sample ID: MB 320-620314/1-A
Matrix: Solid
Analysis Batch: 620781

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 620314

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.33	0.083	mg/Kg		09/27/22 07:34	09/28/22 13:30	1
Bis(2-chloroethyl)ether	ND		0.33	0.081	mg/Kg		09/27/22 07:34	09/28/22 13:30	1
2-Chlorophenol	ND		0.33	0.088	mg/Kg		09/27/22 07:34	09/28/22 13:30	1
1,3-Dichlorobenzene	ND		0.33	0.078	mg/Kg		09/27/22 07:34	09/28/22 13:30	1
1,4-Dichlorobenzene	ND		0.33	0.077	mg/Kg		09/27/22 07:34	09/28/22 13:30	1
Benzyl alcohol	ND		0.33	0.17	mg/Kg		09/27/22 07:34	09/28/22 13:30	1
1,2-Dichlorobenzene	ND		0.33	0.075	mg/Kg		09/27/22 07:34	09/28/22 13:30	1
2-Methylphenol	ND		0.33	0.058	mg/Kg		09/27/22 07:34	09/28/22 13:30	1
N-Nitrosodi-n-propylamine	ND		0.33	0.084	mg/Kg		09/27/22 07:34	09/28/22 13:30	1
Hexachloroethane	ND		0.33	0.081	mg/Kg		09/27/22 07:34	09/28/22 13:30	1
Nitrobenzene	ND		0.33	0.076	mg/Kg		09/27/22 07:34	09/28/22 13:30	1
Isophorone	ND		0.33	0.093	mg/Kg		09/27/22 07:34	09/28/22 13:30	1
2-Nitrophenol	ND		0.33	0.082	mg/Kg		09/27/22 07:34	09/28/22 13:30	1
2,4-Dimethylphenol	ND		0.33	0.17	mg/Kg		09/27/22 07:34	09/28/22 13:30	1
Bis(2-chloroethoxy)methane	ND		0.33	0.088	mg/Kg		09/27/22 07:34	09/28/22 13:30	1
2,4-Dichlorophenol	ND		0.33	0.089	mg/Kg		09/27/22 07:34	09/28/22 13:30	1
1,2,4-Trichlorobenzene	ND		0.33	0.083	mg/Kg		09/27/22 07:34	09/28/22 13:30	1
Naphthalene	ND		0.33	0.082	mg/Kg		09/27/22 07:34	09/28/22 13:30	1
4-Chloroaniline	ND		0.33	0.058	mg/Kg		09/27/22 07:34	09/28/22 13:30	1
Hexachlorobutadiene	ND		0.33	0.082	mg/Kg		09/27/22 07:34	09/28/22 13:30	1

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

Lab Sample ID: MB 320-620314/1-A
Matrix: Solid
Analysis Batch: 620781

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 620314

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chloro-3-methylphenol	ND		0.33	0.092	mg/Kg		09/27/22 07:34	09/28/22 13:30	1
2-Methylnaphthalene	ND		0.33	0.085	mg/Kg		09/27/22 07:34	09/28/22 13:30	1
Hexachlorocyclopentadiene	ND		1.6	0.062	mg/Kg		09/27/22 07:34	09/28/22 13:30	1
2,4,6-Trichlorophenol	ND		0.33	0.084	mg/Kg		09/27/22 07:34	09/28/22 13:30	1
2,4,5-Trichlorophenol	ND		0.33	0.083	mg/Kg		09/27/22 07:34	09/28/22 13:30	1
2-Chloronaphthalene	ND		0.33	0.081	mg/Kg		09/27/22 07:34	09/28/22 13:30	1
2-Nitroaniline	ND		1.6	0.084	mg/Kg		09/27/22 07:34	09/28/22 13:30	1
Dimethyl phthalate	ND		0.33	0.087	mg/Kg		09/27/22 07:34	09/28/22 13:30	1
Acenaphthylene	ND		0.33	0.085	mg/Kg		09/27/22 07:34	09/28/22 13:30	1
3-Nitroaniline	ND		1.6	0.17	mg/Kg		09/27/22 07:34	09/28/22 13:30	1
3-Methylphenol & 4-Methylphenol	ND		0.66	0.33	mg/Kg		09/27/22 07:34	09/28/22 13:30	1
Acenaphthene	ND		0.33	0.083	mg/Kg		09/27/22 07:34	09/28/22 13:30	1
2,4-Dinitrophenol	ND		1.6	0.21	mg/Kg		09/27/22 07:34	09/28/22 13:30	1
4-Nitrophenol	ND		1.6	0.28	mg/Kg		09/27/22 07:34	09/28/22 13:30	1
Dibenzofuran	ND		0.33	0.086	mg/Kg		09/27/22 07:34	09/28/22 13:30	1
2,4-Dinitrotoluene	ND		0.33	0.089	mg/Kg		09/27/22 07:34	09/28/22 13:30	1
2,6-Dinitrotoluene	ND		0.33	0.099	mg/Kg		09/27/22 07:34	09/28/22 13:30	1
Diethyl phthalate	ND		0.33	0.090	mg/Kg		09/27/22 07:34	09/28/22 13:30	1
4-Chlorophenyl phenyl ether	ND		0.33	0.093	mg/Kg		09/27/22 07:34	09/28/22 13:30	1
Fluorene	ND		0.33	0.092	mg/Kg		09/27/22 07:34	09/28/22 13:30	1
4-Nitroaniline	ND		1.6	0.088	mg/Kg		09/27/22 07:34	09/28/22 13:30	1
2-Methyl-4,6-dinitrophenol	ND		1.6	0.081	mg/Kg		09/27/22 07:34	09/28/22 13:30	1
N-Nitrosodiphenylamine	ND		0.33	0.086	mg/Kg		09/27/22 07:34	09/28/22 13:30	1
4-Bromophenyl phenyl ether	ND		0.33	0.085	mg/Kg		09/27/22 07:34	09/28/22 13:30	1
Hexachlorobenzene	ND		0.33	0.089	mg/Kg		09/27/22 07:34	09/28/22 13:30	1
Pentachlorophenol	ND		1.6	0.051	mg/Kg		09/27/22 07:34	09/28/22 13:30	1
Phenanthrene	ND		0.33	0.094	mg/Kg		09/27/22 07:34	09/28/22 13:30	1
Anthracene	ND		0.33	0.086	mg/Kg		09/27/22 07:34	09/28/22 13:30	1
Di-n-butyl phthalate	ND		0.33	0.097	mg/Kg		09/27/22 07:34	09/28/22 13:30	1
Fluoranthene	ND		0.33	0.095	mg/Kg		09/27/22 07:34	09/28/22 13:30	1
Pyrene	ND		0.33	0.094	mg/Kg		09/27/22 07:34	09/28/22 13:30	1
Butyl benzyl phthalate	ND		0.33	0.095	mg/Kg		09/27/22 07:34	09/28/22 13:30	1
3,3'-Dichlorobenzidine	ND		1.6	0.094	mg/Kg		09/27/22 07:34	09/28/22 13:30	1
Benzo[a]anthracene	ND		0.33	0.092	mg/Kg		09/27/22 07:34	09/28/22 13:30	1
Bis(2-ethylhexyl) phthalate	ND		0.33	0.098	mg/Kg		09/27/22 07:34	09/28/22 13:30	1
Chrysene	ND		0.33	0.084	mg/Kg		09/27/22 07:34	09/28/22 13:30	1
Di-n-octyl phthalate	ND		0.33	0.097	mg/Kg		09/27/22 07:34	09/28/22 13:30	1
Benzo[b]fluoranthene	ND		0.33	0.095	mg/Kg		09/27/22 07:34	09/28/22 13:30	1
Benzo[a]pyrene	ND		0.33	0.094	mg/Kg		09/27/22 07:34	09/28/22 13:30	1
Benzo[k]fluoranthene	ND		0.33	0.11	mg/Kg		09/27/22 07:34	09/28/22 13:30	1
Indeno[1,2,3-cd]pyrene	ND		0.33	0.096	mg/Kg		09/27/22 07:34	09/28/22 13:30	1
Benzo[g,h,i]perylene	ND		0.33	0.11	mg/Kg		09/27/22 07:34	09/28/22 13:30	1
Benzoic acid	ND		1.6	0.29	mg/Kg		09/27/22 07:34	09/28/22 13:30	1
Azobenzene	ND		0.33	0.092	mg/Kg		09/27/22 07:34	09/28/22 13:30	1
Dibenz(a,h)anthracene	ND		0.33	0.10	mg/Kg		09/27/22 07:34	09/28/22 13:30	1
Pyridine	ND		0.66	0.072	mg/Kg		09/27/22 07:34	09/28/22 13:30	1

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

Lab Sample ID: MB 320-620314/1-A
Matrix: Solid
Analysis Batch: 620781

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 620314

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	*89*		*54 - 114*	*09/27/22 07:34*	*09/28/22 13:30*	*1*
Terphenyl-d14	*98*		*66 - 126*	*09/27/22 07:34*	*09/28/22 13:30*	*1*
2-Fluorophenol	*99*		*53 - 113*	*09/27/22 07:34*	*09/28/22 13:30*	*1*
Phenol-d5	*99*		*54 - 114*	*09/27/22 07:34*	*09/28/22 13:30*	*1*
2,4,6-Tribromophenol	*109*		*60 - 120*	*09/27/22 07:34*	*09/28/22 13:30*	*1*

Lab Sample ID: LCS 320-620314/2-A
Matrix: Solid
Analysis Batch: 620781

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 620314

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Phenol	3.33	3.08		mg/Kg		92	53 - 113
Bis(2-chloroethyl)ether	3.33	2.86		mg/Kg		86	47 - 107
2-Chlorophenol	3.33	3.07		mg/Kg		92	50 - 110
1,3-Dichlorobenzene	3.33	2.71		mg/Kg		81	42 - 102
1,4-Dichlorobenzene	3.33	2.74		mg/Kg		82	44 - 104
Benzyl alcohol	3.33	3.09		mg/Kg		93	53 - 113
1,2-Dichlorobenzene	3.33	2.79		mg/Kg		84	44 - 104
2-Methylphenol	3.33	3.17		mg/Kg		95	53 - 113
N-Nitrosodi-n-propylamine	3.33	3.02		mg/Kg		90	50 - 110
Hexachloroethane	3.33	2.71		mg/Kg		81	44 - 104
Nitrobenzene	3.33	2.90		mg/Kg		87	50 - 110
Isophorone	3.33	2.89		mg/Kg		87	50 - 110
2-Nitrophenol	3.33	3.14		mg/Kg		94	55 - 115
2,4-Dimethylphenol	3.33	3.11		mg/Kg		93	53 - 113
Bis(2-chloroethoxy)methane	3.33	2.97		mg/Kg		89	50 - 110
2,4-Dichlorophenol	3.33	3.16		mg/Kg		95	56 - 116
1,2,4-Trichlorobenzene	3.33	2.88		mg/Kg		86	45 - 105
Naphthalene	3.33	2.86		mg/Kg		86	44 - 104
4-Chloroaniline	3.33	2.57		mg/Kg		77	29 - 89
Hexachlorobutadiene	3.33	2.88		mg/Kg		86	46 - 106
4-Chloro-3-methylphenol	3.33	3.23		mg/Kg		97	61 - 121
2-Methylnaphthalene	3.33	2.80		mg/Kg		84	48 - 108
Hexachlorocyclopentadiene	3.33	2.52		mg/Kg		76	41 - 101
2,4,6-Trichlorophenol	3.33	3.32		mg/Kg		100	57 - 117
2,4,5-Trichlorophenol	3.33	3.39		mg/Kg		102	58 - 118
2-Chloronaphthalene	3.33	3.01		mg/Kg		90	47 - 107
2-Nitroaniline	3.33	3.21		mg/Kg		96	60 - 120
Dimethyl phthalate	3.33	3.14		mg/Kg		94	53 - 113
Acenaphthylene	3.33	3.04		mg/Kg		91	50 - 110
3-Nitroaniline	3.33	2.84		mg/Kg		85	38 - 98
3-Methylphenol & 4-Methylphenol	3.33	3.17		mg/Kg		95	53 - 113
Acenaphthene	3.33	3.07		mg/Kg		92	48 - 108
2,4-Dinitrophenol	6.67	6.70	*+	mg/Kg		101	10 - 100
4-Nitrophenol	6.67	6.61		mg/Kg		99	57 - 117
Dibenzofuran	3.33	3.10		mg/Kg		93	50 - 110
2,4-Dinitrotoluene	3.33	3.36		mg/Kg		101	61 - 121
2,6-Dinitrotoluene	3.33	3.30		mg/Kg		99	60 - 120

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

Lab Sample ID: LCS 320-620314/2-A
Matrix: Solid
Analysis Batch: 620781

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 620314

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diethyl phthalate	3.33	3.17		mg/Kg		95	54 - 114
4-Chlorophenyl phenyl ether	3.33	3.17		mg/Kg		95	52 - 112
Fluorene	3.33	3.11		mg/Kg		93	51 - 111
4-Nitroaniline	3.33	3.26		mg/Kg		98	57 - 117
2-Methyl-4,6-dinitrophenol	6.67	6.87		mg/Kg		103	33 - 107
N-Nitrosodiphenylamine	3.33	3.08		mg/Kg		92	55 - 115
4-Bromophenyl phenyl ether	3.33	3.20		mg/Kg		96	57 - 117
Hexachlorobenzene	3.33	3.26		mg/Kg		98	60 - 120
Pentachlorophenol	6.67	7.10		mg/Kg		107	57 - 117
Phenanthrene	3.33	3.05		mg/Kg		91	53 - 113
Anthracene	3.33	3.10		mg/Kg		93	55 - 115
Di-n-butyl phthalate	3.33	3.11		mg/Kg		93	61 - 121
Fluoranthene	3.33	3.06		mg/Kg		92	57 - 117
Pyrene	3.33	3.20		mg/Kg		96	62 - 122
Butyl benzyl phthalate	3.33	3.17		mg/Kg		95	66 - 126
3,3'-Dichlorobenzidine	3.33	2.52		mg/Kg		76	33 - 93
Benzo[a]anthracene	3.33	3.10		mg/Kg		93	62 - 122
Bis(2-ethylhexyl) phthalate	3.33	3.08		mg/Kg		92	66 - 126
Chrysene	3.33	3.12		mg/Kg		94	59 - 119
Di-n-octyl phthalate	3.33	3.05		mg/Kg		92	66 - 126
Benzo[b]fluoranthene	3.33	3.16		mg/Kg		95	64 - 124
Benzo[a]pyrene	3.33	3.16		mg/Kg		95	67 - 127
Benzo[k]fluoranthene	3.33	3.17		mg/Kg		95	64 - 124
Indeno[1,2,3-cd]pyrene	3.33	3.32		mg/Kg		100	65 - 125
Benzo[g,h,i]perylene	3.33	3.15		mg/Kg		94	64 - 124
Benzoic acid	6.67	5.49		mg/Kg		82	10 - 121
Azobenzene	3.33	3.02		mg/Kg		91	54 - 114
Dibenz(a,h)anthracene	3.33	3.21		mg/Kg		96	64 - 124
Pyridine	6.67	4.14		mg/Kg		62	28 - 88

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Nitrobenzene-d5	*86*		*54 - 114*
Terphenyl-d14	*94*		*66 - 126*
2-Fluorophenol	*93*		*53 - 113*
Phenol-d5	*95*		*54 - 114*
2,4,6-Tribromophenol	*107*		*60 - 120*

Lab Sample ID: 320-92432-1 MS
Matrix: Solid
Analysis Batch: 620781

Client Sample ID: MHSSF-ENV-A@0.5'
Prep Type: Total/NA
Prep Batch: 620314

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Phenol	ND		3.39	2.75		mg/Kg	☼	81	53 - 113
Bis(2-chloroethyl)ether	ND		3.39	2.43		mg/Kg	☼	72	47 - 107
2-Chlorophenol	ND		3.39	2.71		mg/Kg	☼	80	50 - 110
1,3-Dichlorobenzene	ND		3.39	2.21		mg/Kg	☼	65	42 - 102
1,4-Dichlorobenzene	ND		3.39	2.24		mg/Kg	☼	66	44 - 104
Benzyl alcohol	ND		3.39	2.78		mg/Kg	☼	82	53 - 113

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

Lab Sample ID: 320-92432-1 MS
Matrix: Solid
Analysis Batch: 620781

Client Sample ID: MHSSF-ENV-A@0.5'
Prep Type: Total/NA
Prep Batch: 620314

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dichlorobenzene	ND		3.39	2.31		mg/Kg	☼	68	44 - 104
2-Methylphenol	ND		3.39	2.88		mg/Kg	☼	85	53 - 113
N-Nitrosodi-n-propylamine	ND		3.39	2.70		mg/Kg	☼	80	50 - 110
Hexachloroethane	ND		3.39	2.22		mg/Kg	☼	66	44 - 104
Nitrobenzene	ND		3.39	2.60		mg/Kg	☼	77	50 - 110
Isophorone	ND		3.39	2.70		mg/Kg	☼	80	50 - 110
2-Nitrophenol	ND		3.39	2.83		mg/Kg	☼	83	55 - 115
2,4-Dimethylphenol	ND		3.39	2.94		mg/Kg	☼	87	53 - 113
Bis(2-chloroethoxy)methane	ND		3.39	2.72		mg/Kg	☼	80	50 - 110
2,4-Dichlorophenol	ND		3.39	3.00		mg/Kg	☼	89	56 - 116
1,2,4-Trichlorobenzene	ND		3.39	2.55		mg/Kg	☼	75	45 - 105
Naphthalene	ND		3.39	2.55		mg/Kg	☼	75	44 - 104
4-Chloroaniline	ND		3.39	2.33		mg/Kg	☼	69	29 - 89
Hexachlorobutadiene	ND		3.39	2.51		mg/Kg	☼	74	46 - 106
4-Chloro-3-methylphenol	ND		3.39	3.11		mg/Kg	☼	92	61 - 121
2-Methylnaphthalene	ND		3.39	2.57		mg/Kg	☼	76	48 - 108
Hexachlorocyclopentadiene	ND		3.39	2.31		mg/Kg	☼	68	41 - 101
2,4,6-Trichlorophenol	ND		3.39	3.08		mg/Kg	☼	91	57 - 117
2,4,5-Trichlorophenol	ND		3.39	3.18		mg/Kg	☼	94	58 - 118
2-Chloronaphthalene	ND		3.39	2.84		mg/Kg	☼	84	47 - 107
2-Nitroaniline	ND		3.39	3.08		mg/Kg	☼	91	60 - 120
Dimethyl phthalate	ND		3.39	3.00		mg/Kg	☼	88	53 - 113
Acenaphthylene	ND		3.39	2.88		mg/Kg	☼	85	50 - 110
3-Nitroaniline	ND		3.39	2.82		mg/Kg	☼	83	38 - 98
3-Methylphenol & 4-Methylphenol	ND		3.39	2.87		mg/Kg	☼	85	53 - 113
Acenaphthene	ND		3.39	2.86		mg/Kg	☼	84	48 - 108
2,4-Dinitrophenol	ND	*+ F2	6.78	3.17		mg/Kg	☼	47	10 - 100
4-Nitrophenol	ND		6.78	6.10		mg/Kg	☼	90	57 - 117
Dibenzofuran	ND		3.39	2.91		mg/Kg	☼	86	50 - 110
2,4-Dinitrotoluene	ND		3.39	3.22		mg/Kg	☼	95	61 - 121
2,6-Dinitrotoluene	ND		3.39	3.16		mg/Kg	☼	93	60 - 120
Diethyl phthalate	ND		3.39	3.02		mg/Kg	☼	89	54 - 114
4-Chlorophenyl phenyl ether	ND		3.39	3.05		mg/Kg	☼	90	52 - 112
Fluorene	ND		3.39	2.98		mg/Kg	☼	88	51 - 111
4-Nitroaniline	ND		3.39	3.10		mg/Kg	☼	91	57 - 117
2-Methyl-4,6-dinitrophenol	ND		6.78	5.42		mg/Kg	☼	80	33 - 107
N-Nitrosodiphenylamine	ND		3.39	2.99		mg/Kg	☼	88	55 - 115
4-Bromophenyl phenyl ether	ND		3.39	3.16		mg/Kg	☼	93	57 - 117
Hexachlorobenzene	ND		3.39	3.19		mg/Kg	☼	94	60 - 120
Pentachlorophenol	ND		6.78	5.02		mg/Kg	☼	74	57 - 117
Phenanthrene	ND		3.39	3.02		mg/Kg	☼	89	53 - 113
Anthracene	ND		3.39	3.04		mg/Kg	☼	90	55 - 115
Di-n-butyl phthalate	ND		3.39	3.14		mg/Kg	☼	93	61 - 121
Fluoranthene	ND		3.39	3.03		mg/Kg	☼	89	57 - 117
Pyrene	ND		3.39	3.14		mg/Kg	☼	93	62 - 122
Butyl benzyl phthalate	ND		3.39	3.18		mg/Kg	☼	94	66 - 126
3,3'-Dichlorobenzidine	ND		3.39	2.72		mg/Kg	☼	80	33 - 93
Benzo[a]anthracene	ND		3.39	3.07		mg/Kg	☼	90	62 - 122
Bis(2-ethylhexyl) phthalate	ND		3.39	3.17		mg/Kg	☼	93	66 - 126

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

Lab Sample ID: 320-92432-1 MS
Matrix: Solid
Analysis Batch: 620781

Client Sample ID: MHSSF-ENV-A@0.5'
Prep Type: Total/NA
Prep Batch: 620314

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chrysene	ND		3.39	3.06		mg/Kg	☼	90	59 - 119
Di-n-octyl phthalate	ND		3.39	3.18		mg/Kg	☼	94	66 - 126
Benzo[b]fluoranthene	ND		3.39	3.09		mg/Kg	☼	91	64 - 124
Benzo[a]pyrene	ND		3.39	3.10		mg/Kg	☼	91	67 - 127
Benzo[k]fluoranthene	ND		3.39	3.07		mg/Kg	☼	91	64 - 124
Indeno[1,2,3-cd]pyrene	ND		3.39	3.26		mg/Kg	☼	96	65 - 125
Benzo[g,h,i]perylene	ND		3.39	3.06		mg/Kg	☼	90	64 - 124
Benzoic acid	ND	F1 F2	6.78	1.20	J	mg/Kg	☼	18	10 - 121
Azobenzene	ND		3.39	2.96		mg/Kg	☼	87	54 - 114
Dibenz(a,h)anthracene	ND		3.39	3.12		mg/Kg	☼	92	64 - 124
Pyridine	ND		6.78	3.03		mg/Kg	☼	45	28 - 88

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Nitrobenzene-d5	*76*		*54 - 114*
Terphenyl-d14	*92*		*66 - 126*
2-Fluorophenol	*78*		*53 - 113*
Phenol-d5	*83*		*54 - 114*
2,4,6-Tribromophenol	*100*		*60 - 120*

Lab Sample ID: 320-92432-1 MSD
Matrix: Solid
Analysis Batch: 620781

Client Sample ID: MHSSF-ENV-A@0.5'
Prep Type: Total/NA
Prep Batch: 620314

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Phenol	ND		3.40	2.96		mg/Kg	☼	87	53 - 113	7	30
Bis(2-chloroethyl)ether	ND		3.40	2.55		mg/Kg	☼	75	47 - 107	5	30
2-Chlorophenol	ND		3.40	2.81		mg/Kg	☼	83	50 - 110	4	30
1,3-Dichlorobenzene	ND		3.40	2.33		mg/Kg	☼	69	42 - 102	5	30
1,4-Dichlorobenzene	ND		3.40	2.38		mg/Kg	☼	70	44 - 104	6	30
Benzyl alcohol	ND		3.40	2.96		mg/Kg	☼	87	53 - 113	6	30
1,2-Dichlorobenzene	ND		3.40	2.43		mg/Kg	☼	72	44 - 104	5	30
2-Methylphenol	ND		3.40	3.06		mg/Kg	☼	90	53 - 113	6	30
N-Nitrosodi-n-propylamine	ND		3.40	2.80		mg/Kg	☼	82	50 - 110	4	30
Hexachloroethane	ND		3.40	2.33		mg/Kg	☼	69	44 - 104	5	30
Nitrobenzene	ND		3.40	2.73		mg/Kg	☼	80	50 - 110	5	30
Isophorone	ND		3.40	2.89		mg/Kg	☼	85	50 - 110	7	30
2-Nitrophenol	ND		3.40	3.01		mg/Kg	☼	88	55 - 115	6	30
2,4-Dimethylphenol	ND		3.40	3.17		mg/Kg	☼	93	53 - 113	8	30
Bis(2-chloroethoxy)methane	ND		3.40	2.80		mg/Kg	☼	82	50 - 110	3	30
2,4-Dichlorophenol	ND		3.40	3.16		mg/Kg	☼	93	56 - 116	5	30
1,2,4-Trichlorobenzene	ND		3.40	2.70		mg/Kg	☼	79	45 - 105	6	30
Naphthalene	ND		3.40	2.71		mg/Kg	☼	80	44 - 104	6	30
4-Chloroaniline	ND		3.40	2.57		mg/Kg	☼	76	29 - 89	10	30
Hexachlorobutadiene	ND		3.40	2.59		mg/Kg	☼	76	46 - 106	3	30
4-Chloro-3-methylphenol	ND		3.40	3.34		mg/Kg	☼	98	61 - 121	7	30
2-Methylnaphthalene	ND		3.40	2.75		mg/Kg	☼	81	48 - 108	7	30
Hexachlorocyclopentadiene	ND		3.40	2.33		mg/Kg	☼	69	41 - 101	1	30
2,4,6-Trichlorophenol	ND		3.40	3.34		mg/Kg	☼	98	57 - 117	8	30

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

Lab Sample ID: 320-92432-1 MSD
Matrix: Solid
Analysis Batch: 620781

Client Sample ID: MHSSF-ENV-A@0.5'
Prep Type: Total/NA
Prep Batch: 620314

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4,5-Trichlorophenol	ND		3.40	3.38		mg/Kg	☼	100	58 - 118	6	30
2-Chloronaphthalene	ND		3.40	3.06		mg/Kg	☼	90	47 - 107	8	30
2-Nitroaniline	ND		3.40	3.36		mg/Kg	☼	99	60 - 120	9	30
Dimethyl phthalate	ND		3.40	3.23		mg/Kg	☼	95	53 - 113	8	30
Acenaphthylene	ND		3.40	3.11		mg/Kg	☼	91	50 - 110	8	30
3-Nitroaniline	ND		3.40	3.11		mg/Kg	☼	92	38 - 98	10	30
3-Methylphenol & 4-Methylphenol	ND		3.40	3.08		mg/Kg	☼	91	53 - 113	7	30
Acenaphthene	ND		3.40	3.11		mg/Kg	☼	91	48 - 108	8	30
2,4-Dinitrophenol	ND	*+ F2	6.80	2.07	F2	mg/Kg	☼	31	10 - 100	42	30
4-Nitrophenol	ND		6.80	6.32		mg/Kg	☼	93	57 - 117	4	30
Dibenzofuran	ND		3.40	3.16		mg/Kg	☼	93	50 - 110	8	30
2,4-Dinitrotoluene	ND		3.40	3.47		mg/Kg	☼	102	61 - 121	8	30
2,6-Dinitrotoluene	ND		3.40	3.43		mg/Kg	☼	101	60 - 120	8	30
Diethyl phthalate	ND		3.40	3.20		mg/Kg	☼	94	54 - 114	6	30
4-Chlorophenyl phenyl ether	ND		3.40	3.23		mg/Kg	☼	95	52 - 112	6	30
Fluorene	ND		3.40	3.19		mg/Kg	☼	94	51 - 111	7	30
4-Nitroaniline	ND		3.40	3.26		mg/Kg	☼	96	57 - 117	5	30
2-Methyl-4,6-dinitrophenol	ND		6.80	4.98		mg/Kg	☼	73	33 - 107	9	30
N-Nitrosodiphenylamine	ND		3.40	3.19		mg/Kg	☼	94	55 - 115	7	30
4-Bromophenyl phenyl ether	ND		3.40	3.33		mg/Kg	☼	98	57 - 117	5	30
Hexachlorobenzene	ND		3.40	3.31		mg/Kg	☼	97	60 - 120	4	30
Pentachlorophenol	ND		6.80	4.20		mg/Kg	☼	62	57 - 117	18	30
Phenanthrene	ND		3.40	3.18		mg/Kg	☼	93	53 - 113	5	30
Anthracene	ND		3.40	3.20		mg/Kg	☼	94	55 - 115	5	30
Di-n-butyl phthalate	ND		3.40	3.19		mg/Kg	☼	94	61 - 121	2	30
Fluoranthene	ND		3.40	3.14		mg/Kg	☼	93	57 - 117	4	30
Pyrene	ND		3.40	3.31		mg/Kg	☼	97	62 - 122	5	30
Butyl benzyl phthalate	ND		3.40	3.28		mg/Kg	☼	96	66 - 126	3	30
3,3'-Dichlorobenzidine	ND		3.40	2.95		mg/Kg	☼	87	33 - 93	8	30
Benzo[a]anthracene	ND		3.40	3.21		mg/Kg	☼	94	62 - 122	5	30
Bis(2-ethylhexyl) phthalate	ND		3.40	3.19		mg/Kg	☼	94	66 - 126	1	30
Chrysene	ND		3.40	3.22		mg/Kg	☼	95	59 - 119	5	30
Di-n-octyl phthalate	ND		3.40	3.18		mg/Kg	☼	94	66 - 126	0	30
Benzo[b]fluoranthene	ND		3.40	3.24		mg/Kg	☼	95	64 - 124	5	30
Benzo[a]pyrene	ND		3.40	3.27		mg/Kg	☼	96	67 - 127	5	30
Benzo[k]fluoranthene	ND		3.40	3.25		mg/Kg	☼	96	64 - 124	6	30
Indeno[1,2,3-cd]pyrene	ND		3.40	3.42		mg/Kg	☼	101	65 - 125	5	30
Benzo[g,h,i]perylene	ND		3.40	3.24		mg/Kg	☼	95	64 - 124	6	30
Benzoic acid	ND	F1 F2	6.80	0.510	J F1 F2	mg/Kg	☼	8	10 - 121	80	30
Azobenzene	ND		3.40	3.13		mg/Kg	☼	92	54 - 114	5	30
Dibenz(a,h)anthracene	ND		3.40	3.30		mg/Kg	☼	97	64 - 124	6	30
Pyridine	ND		6.80	3.05		mg/Kg	☼	45	28 - 88	1	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Nitrobenzene-d5	*79*		*54 - 114*
Terphenyl-d14	*97*		*66 - 126*
2-Fluorophenol	*83*		*53 - 113*
Phenol-d5	*90*		*54 - 114*

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

Lab Sample ID: 320-92432-1 MSD
Matrix: Solid
Analysis Batch: 620781

Client Sample ID: MHSSF-ENV-A@0.5'
Prep Type: Total/NA
Prep Batch: 620314

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2,4,6-Tribromophenol	*110*		*60 - 120*

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

Lab Sample ID: MB 320-620320/1-A
Matrix: Solid
Analysis Batch: 620722

Client Sample ID: Method Blank
Prep Type: Silica Gel Cleanup
Prep Batch: 620320

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	1.53		1.0	0.50	mg/Kg		09/27/22 07:45	09/29/22 00:34	1
Motor Oil Range Organics [C28-C40]	ND		5.0	3.8	mg/Kg		09/27/22 07:45	09/29/22 00:34	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	*67*		*51 - 111*	*09/27/22 07:45*	*09/29/22 00:34*	*1*

Lab Sample ID: LCS 320-620320/2-A
Matrix: Solid
Analysis Batch: 620722

Client Sample ID: Lab Control Sample
Prep Type: Silica Gel Cleanup
Prep Batch: 620320

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	10.0	10.2		mg/Kg		102	57 - 132

Surrogate	LCS %Recovery	LCS Qualifier	Limits
o-Terphenyl (Surr)	*66*		*51 - 111*

Lab Sample ID: 320-92432-10 MS
Matrix: Solid
Analysis Batch: 620722

Client Sample ID: MHSSF-ENV-J@0.5'
Prep Type: Silica Gel Cleanup
Prep Batch: 620320

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	1.8	B	10.1	10.7		mg/Kg	☼	88	57 - 132

Surrogate	MS %Recovery	MS Qualifier	Limits
o-Terphenyl (Surr)	*65*		*51 - 111*

Lab Sample ID: 320-92432-10 MSD
Matrix: Solid
Analysis Batch: 620722

Client Sample ID: MHSSF-ENV-J@0.5'
Prep Type: Silica Gel Cleanup
Prep Batch: 620320

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	1.8	B	10.1	12.3		mg/Kg	☼	103	57 - 132	13	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
o-Terphenyl (Surr)	*67*		*51 - 111*

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 320-620354/1-A
Matrix: Solid
Analysis Batch: 622637

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 620354

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.0017	0.00014	mg/Kg		09/27/22 10:07	10/06/22 08:43	1
alpha-BHC	ND		0.0017	0.00016	mg/Kg		09/27/22 10:07	10/06/22 08:43	1
beta-BHC	ND		0.0017	0.00022	mg/Kg		09/27/22 10:07	10/06/22 08:43	1
gamma-BHC (Lindane)	ND		0.0017	0.00014	mg/Kg		09/27/22 10:07	10/06/22 08:43	1
delta-BHC	ND		0.0017	0.00035	mg/Kg		09/27/22 10:07	10/06/22 08:43	1
cis-Chlordane	ND		0.0017	0.00018	mg/Kg		09/27/22 10:07	10/06/22 08:43	1
trans-Chlordane	ND		0.0017	0.00060	mg/Kg		09/27/22 10:07	10/06/22 08:43	1
Chlordane (technical)	ND		0.020	0.0094	mg/Kg		09/27/22 10:07	10/06/22 08:43	1
4,4'-DDD	ND		0.0017	0.00023	mg/Kg		09/27/22 10:07	10/06/22 08:43	1
4,4'-DDE	ND		0.0017	0.00021	mg/Kg		09/27/22 10:07	10/06/22 08:43	1
4,4'-DDT	ND		0.0017	0.00025	mg/Kg		09/27/22 10:07	10/06/22 08:43	1
Dieldrin	ND		0.0017	0.00020	mg/Kg		09/27/22 10:07	10/06/22 08:43	1
Endosulfan I	ND		0.0017	0.00018	mg/Kg		09/27/22 10:07	10/06/22 08:43	1
Endosulfan II	ND		0.0017	0.00018	mg/Kg		09/27/22 10:07	10/06/22 08:43	1
Endosulfan sulfate	ND		0.0017	0.00035	mg/Kg		09/27/22 10:07	10/06/22 08:43	1
Endrin	ND		0.0017	0.00020	mg/Kg		09/27/22 10:07	10/06/22 08:43	1
Endrin aldehyde	ND		0.0017	0.00057	mg/Kg		09/27/22 10:07	10/06/22 08:43	1
Endrin ketone	ND		0.0017	0.00027	mg/Kg		09/27/22 10:07	10/06/22 08:43	1
Heptachlor	ND		0.0017	0.00015	mg/Kg		09/27/22 10:07	10/06/22 08:43	1
Heptachlor epoxide	ND		0.0017	0.00018	mg/Kg		09/27/22 10:07	10/06/22 08:43	1
Methoxychlor	ND		0.0034	0.00056	mg/Kg		09/27/22 10:07	10/06/22 08:43	1
Toxaphene	ND		0.067	0.022	mg/Kg		09/27/22 10:07	10/06/22 08:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*61*		*46 - 109*	*09/27/22 10:07*	*10/06/22 08:43*	*1*
DCB Decachlorobiphenyl	*66*		*46 - 109*	*09/27/22 10:07*	*10/06/22 08:43*	*1*
Tetrachloro-m-xylene	*72*		*47 - 107*	*09/27/22 10:07*	*10/06/22 08:43*	*1*
Tetrachloro-m-xylene	*63*		*47 - 107*	*09/27/22 10:07*	*10/06/22 08:43*	*1*

Lab Sample ID: LCS 320-620354/2-A
Matrix: Solid
Analysis Batch: 622837

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 620354

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aldrin	0.0167	0.0155		mg/Kg		93	55 - 109
alpha-BHC	0.0167	0.0172		mg/Kg		103	54 - 111
beta-BHC	0.0167	0.0138		mg/Kg		83	53 - 115
gamma-BHC (Lindane)	0.0167	0.0167		mg/Kg		100	54 - 112
delta-BHC	0.0167	0.0165		mg/Kg		99	39 - 124
cis-Chlordane	0.0167	0.0159		mg/Kg		96	54 - 113
trans-Chlordane	0.0167	0.0162		mg/Kg		97	55 - 114
4,4'-DDD	0.0167	0.0159		mg/Kg		96	53 - 117
4,4'-DDE	0.0167	0.0159		mg/Kg		96	58 - 115
4,4'-DDT	0.0167	0.0170		mg/Kg		102	53 - 128
Dieldrin	0.0167	0.0154		mg/Kg		93	54 - 117
Endosulfan I	0.0167	0.0149		mg/Kg		89	42 - 118
Endosulfan II	0.0167	0.0147		mg/Kg		88	48 - 118
Endosulfan sulfate	0.0167	0.0146		mg/Kg		88	51 - 113

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

Lab Sample ID: LCS 320-620354/2-A
Matrix: Solid
Analysis Batch: 622837

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 620354

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Endrin	0.0167	0.0154		mg/Kg		93	58 - 115
Endrin aldehyde	0.0167	0.0139		mg/Kg		83	40 - 100
Endrin ketone	0.0167	0.0145		mg/Kg		87	51 - 118
Heptachlor	0.0167	0.0161		mg/Kg		97	50 - 118
Heptachlor epoxide	0.0167	0.0157		mg/Kg		94	56 - 113
Methoxychlor	0.0167	0.0155		mg/Kg		93	52 - 123

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*89*		*46 - 109*
Tetrachloro-m-xylene	*94*		*47 - 107*

Lab Sample ID: LCS 320-620354/3-A
Matrix: Solid
Analysis Batch: 622637

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 620354

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Toxaphene	0.167	0.102		mg/Kg		61	43 - 123

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*70*		*46 - 109*
Tetrachloro-m-xylene	*64*		*47 - 107*

Lab Sample ID: LCS 320-620354/4-A
Matrix: Solid
Analysis Batch: 622637

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 620354

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chlordane (technical)	0.0333	0.0213		mg/Kg		64	63 - 129

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*68*		*46 - 109*
Tetrachloro-m-xylene	*61*		*47 - 107*

Lab Sample ID: 320-92432-10 MS
Matrix: Solid
Analysis Batch: 622837

Client Sample ID: MHSSF-ENV-J@0.5'
Prep Type: Total/NA
Prep Batch: 620354

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aldrin	ND		0.0166	0.00907		mg/Kg	☼	55	55 - 109
alpha-BHC	ND		0.0166	0.0100		mg/Kg	☼	60	54 - 111
beta-BHC	ND		0.0166	0.00880		mg/Kg	☼	53	53 - 115
gamma-BHC (Lindane)	ND		0.0166	0.00951		mg/Kg	☼	57	54 - 112
delta-BHC	ND		0.0166	0.00858		mg/Kg	☼	52	39 - 124
cis-Chlordane	ND		0.0166	0.00934		mg/Kg	☼	56	54 - 113
trans-Chlordane	ND	F1	0.0166	0.00882	p F1	mg/Kg	☼	53	55 - 114
4,4'-DDD	ND		0.0166	0.00982		mg/Kg	☼	59	53 - 117
4,4'-DDE	0.00022	J	0.0166	0.00980		mg/Kg	☼	58	58 - 115
4,4'-DDT	0.00045	J	0.0166	0.0106		mg/Kg	☼	61	53 - 128

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

Lab Sample ID: 320-92432-10 MS
Matrix: Solid
Analysis Batch: 622837

Client Sample ID: MHSSF-ENV-J@0.5'
Prep Type: Total/NA
Prep Batch: 620354

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Dieldrin	0.00045	J	0.0166	0.0101		mg/Kg	☼	58	54 - 117
Endosulfan I	ND	F1	0.0166	0.00601	F1	mg/Kg	☼	36	42 - 118
Endosulfan II	ND	F1	0.0166	0.00758	F1	mg/Kg	☼	46	48 - 118
Endosulfan sulfate	ND		0.0166	0.0107		mg/Kg	☼	64	51 - 113
Endrin	ND		0.0166	0.00977		mg/Kg	☼	59	58 - 115
Endrin aldehyde	ND		0.0166	0.00680		mg/Kg	☼	41	40 - 100
Endrin ketone	ND		0.0166	0.00904		mg/Kg	☼	54	51 - 118
Heptachlor	ND		0.0166	0.00997		mg/Kg	☼	60	50 - 118
Heptachlor epoxide	ND		0.0166	0.00962		mg/Kg	☼	58	56 - 113
Methoxychlor	ND		0.0166	0.0103		mg/Kg	☼	62	52 - 123

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*61*		*46 - 109*
Tetrachloro-m-xylene	*63*		*47 - 107*

Lab Sample ID: 320-92432-10 MSD
Matrix: Solid
Analysis Batch: 622837

Client Sample ID: MHSSF-ENV-J@0.5'
Prep Type: Total/NA
Prep Batch: 620354

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aldrin	ND		0.0160	0.0105		mg/Kg	☼	66	55 - 109	15	30
alpha-BHC	ND		0.0160	0.0118		mg/Kg	☼	73	54 - 111	16	30
beta-BHC	ND		0.0160	0.0105		mg/Kg	☼	65	53 - 115	17	30
gamma-BHC (Lindane)	ND		0.0160	0.0111		mg/Kg	☼	69	54 - 112	16	30
delta-BHC	ND		0.0160	0.0102		mg/Kg	☼	64	39 - 124	17	30
cis-Chlordane	ND		0.0160	0.0106		mg/Kg	☼	66	54 - 113	12	30
trans-Chlordane	ND	F1	0.0160	0.0105	p	mg/Kg	☼	65	55 - 114	17	30
4,4'-DDD	ND		0.0160	0.0111		mg/Kg	☼	69	53 - 117	12	30
4,4'-DDE	0.00022	J	0.0160	0.0113		mg/Kg	☼	69	58 - 115	14	30
4,4'-DDT	0.00045	J	0.0160	0.0119		mg/Kg	☼	72	53 - 128	12	30
Dieldrin	0.00045	J	0.0160	0.0115		mg/Kg	☼	69	54 - 117	13	30
Endosulfan I	ND	F1	0.0160	0.00684		mg/Kg	☼	43	42 - 118	13	30
Endosulfan II	ND	F1	0.0160	0.00860		mg/Kg	☼	54	48 - 118	13	30
Endosulfan sulfate	ND		0.0160	0.0118		mg/Kg	☼	74	51 - 113	10	30
Endrin	ND		0.0160	0.0111		mg/Kg	☼	69	58 - 115	12	30
Endrin aldehyde	ND		0.0160	0.00751		mg/Kg	☼	47	40 - 100	10	30
Endrin ketone	ND		0.0160	0.0101		mg/Kg	☼	63	51 - 118	11	30
Heptachlor	ND		0.0160	0.0114		mg/Kg	☼	71	50 - 118	14	30
Heptachlor epoxide	ND		0.0160	0.0111		mg/Kg	☼	69	56 - 113	14	30
Methoxychlor	ND		0.0160	0.0114		mg/Kg	☼	71	52 - 123	10	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*72*		*46 - 109*
Tetrachloro-m-xylene	*77*		*47 - 107*

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

Lab Sample ID: MB 320-620369/1-A
Matrix: Solid
Analysis Batch: 622170

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 620369

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		33	2.6	ug/Kg		09/27/22 10:56	10/04/22 17:34	1
PCB-1221	ND		33	3.6	ug/Kg		09/27/22 10:56	10/04/22 17:34	1
PCB-1232	ND		33	4.8	ug/Kg		09/27/22 10:56	10/04/22 17:34	1
PCB-1242	ND		33	5.9	ug/Kg		09/27/22 10:56	10/04/22 17:34	1
PCB-1248	ND		33	2.4	ug/Kg		09/27/22 10:56	10/04/22 17:34	1
PCB-1254	ND		33	3.8	ug/Kg		09/27/22 10:56	10/04/22 17:34	1
PCB-1260	ND		33	2.7	ug/Kg		09/27/22 10:56	10/04/22 17:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*120*		*52 - 138*	*09/27/22 10:56*	*10/04/22 17:34*	*1*

Lab Sample ID: LCS 320-620369/2-A
Matrix: Solid
Analysis Batch: 622170

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 620369

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016			66.7	69.6		ug/Kg		104	58 - 124		
PCB-1260			66.7	80.4		ug/Kg		121	55 - 138		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*123*		*52 - 138*

Lab Sample ID: 320-92432-10 MS
Matrix: Solid
Analysis Batch: 622170

Client Sample ID: MHSSF-ENV-J@0.5'
Prep Type: Total/NA
Prep Batch: 620369

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016	ND		65.0	74.5		ug/Kg	☼	115	58 - 124		
PCB-1260	ND		65.0	81.1		ug/Kg	☼	125	55 - 138		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*117*		*52 - 138*

Lab Sample ID: 320-92432-10 MSD
Matrix: Solid
Analysis Batch: 622170

Client Sample ID: MHSSF-ENV-J@0.5'
Prep Type: Total/NA
Prep Batch: 620369

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016	ND		66.2	72.0		ug/Kg	☼	109	58 - 124	3	20
PCB-1260	ND		66.2	77.4		ug/Kg	☼	117	55 - 138	5	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*112*		*52 - 138*

Method: 7199 - Chromium, Hexavalent (IC)

Lab Sample ID: MB 570-268311/1-A
Matrix: Solid
Analysis Batch: 268308

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 268311

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	ND		0.40	0.19	mg/Kg		09/29/22 02:00	09/29/22 04:39	10

Lab Sample ID: LCS 570-268311/2-A
Matrix: Solid
Analysis Batch: 268308

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 268311

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chromium, hexavalent			20.2	20.0		mg/Kg		99	80 - 120		

Lab Sample ID: LCSD 570-268311/3-A
Matrix: Solid
Analysis Batch: 268308

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 268311

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chromium, hexavalent			20.2	24.2		mg/Kg		120	80 - 120	19	20

Lab Sample ID: 320-92432-1 MS
Matrix: Solid
Analysis Batch: 268308

Client Sample ID: MHSSF-ENV-A@0.5'
Prep Type: Total/NA
Prep Batch: 268311

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chromium, hexavalent	0.21	J	20.3	19.6		mg/Kg	☼	96	75 - 125		

Lab Sample ID: 320-92432-1 MSD
Matrix: Solid
Analysis Batch: 268308

Client Sample ID: MHSSF-ENV-A@0.5'
Prep Type: Total/NA
Prep Batch: 268311

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chromium, hexavalent	0.21	J	20.2	19.9		mg/Kg	☼	98	75 - 125	2	25

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 320-620158/1-A
Matrix: Solid
Analysis Batch: 620576

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 620158

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		2.0	0.94	mg/Kg		09/26/22 16:00	09/27/22 12:40	1
Arsenic	ND		2.0	1.3	mg/Kg		09/26/22 16:00	09/27/22 12:40	1
Barium	ND		1.0	0.12	mg/Kg		09/26/22 16:00	09/27/22 12:40	1
Beryllium	ND		0.20	0.030	mg/Kg		09/26/22 16:00	09/27/22 12:40	1
Cadmium	ND		0.20	0.030	mg/Kg		09/26/22 16:00	09/27/22 12:40	1
Chromium	ND		0.50	0.14	mg/Kg		09/26/22 16:00	09/27/22 12:40	1
Cobalt	ND		0.50	0.25	mg/Kg		09/26/22 16:00	09/27/22 12:40	1
Copper	ND		1.5	0.22	mg/Kg		09/26/22 16:00	09/27/22 12:40	1
Lead	ND		1.0	0.26	mg/Kg		09/26/22 16:00	09/27/22 12:40	1
Molybdenum	ND		2.0	0.75	mg/Kg		09/26/22 16:00	09/27/22 12:40	1
Nickel	ND		1.0	0.24	mg/Kg		09/26/22 16:00	09/27/22 12:40	1
Selenium	ND		2.0	1.4	mg/Kg		09/26/22 16:00	09/27/22 12:40	1
Silver	ND		0.50	0.090	mg/Kg		09/26/22 16:00	09/27/22 12:40	1

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

Lab Sample ID: MB 320-620158/1-A
Matrix: Solid
Analysis Batch: 620576

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 620158

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	ND		2.0	0.84	mg/Kg		09/26/22 16:00	09/27/22 12:40	1
Vanadium	ND		0.50	0.19	mg/Kg		09/26/22 16:00	09/27/22 12:40	1
Zinc	ND		2.0	0.19	mg/Kg		09/26/22 16:00	09/27/22 12:40	1

Lab Sample ID: LCS 320-620158/2-A
Matrix: Solid
Analysis Batch: 620576

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 620158

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	50.1	47.3		mg/Kg		95	80 - 120
Arsenic	50.0	45.2		mg/Kg		90	80 - 120
Barium	50.0	47.6		mg/Kg		95	80 - 120
Beryllium	25.0	24.0		mg/Kg		96	80 - 120
Cadmium	25.0	23.9		mg/Kg		96	80 - 120
Chromium	25.0	23.5		mg/Kg		94	80 - 120
Cobalt	25.0	24.0		mg/Kg		96	80 - 120
Copper	25.0	23.0		mg/Kg		92	80 - 120
Lead	25.0	24.0		mg/Kg		96	80 - 120
Molybdenum	25.0	24.0		mg/Kg		96	80 - 120
Nickel	25.0	24.0		mg/Kg		96	80 - 120
Selenium	50.0	44.2		mg/Kg		88	80 - 120
Silver	5.05	4.52		mg/Kg		90	80 - 120
Thallium	50.0	47.8		mg/Kg		96	80 - 120
Vanadium	25.0	23.3		mg/Kg		93	80 - 120
Zinc	49.9	45.6		mg/Kg		91	80 - 120

Lab Sample ID: LB 320-620645/1-A ^10
Matrix: Solid
Analysis Batch: 621393

Client Sample ID: Method Blank
Prep Type: STLC Citrate

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.20	0.12	mg/L			09/30/22 13:51	10
Chromium	0.0116	J	0.10	0.0060	mg/L			09/30/22 13:51	10
Lead	ND		0.10	0.012	mg/L			09/30/22 13:51	10

Lab Sample ID: LCS 320-620645/2-A ^10
Matrix: Solid
Analysis Batch: 621393

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	1.00	0.908		mg/L		91	75 - 125
Chromium	1.00	1.00		mg/L		100	75 - 125
Lead	1.00	0.929		mg/L		93	75 - 125

Lab Sample ID: LCSD 320-620645/3-A
Matrix: Solid
Analysis Batch: 621393

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
Arsenic	1.00	0.919		mg/L		92	75 - 125	1	20

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

Lab Sample ID: LCSD 320-620645/3-A
Matrix: Solid
Analysis Batch: 621393

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	0.999		mg/L		100	75 - 125	0	20
Lead			1.00	0.932		mg/L		93	75 - 125	0	20

Lab Sample ID: 320-92432-1 MS
Matrix: Solid
Analysis Batch: 621393

Client Sample ID: MHSSF-ENV-A@0.5'
Prep Type: STLC Citrate

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Arsenic	ND		1.00	0.942		mg/L		94	75 - 125		
Chromium	0.077	J B	1.00	1.06		mg/L		98	75 - 125		
Lead	ND		1.00	0.965		mg/L		96	75 - 125		

Lab Sample ID: 320-92432-1 MSD
Matrix: Solid
Analysis Batch: 621393

Client Sample ID: MHSSF-ENV-A@0.5'
Prep Type: STLC Citrate

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	ND		1.00	0.906		mg/L		91	75 - 125	4	20
Chromium	0.077	J B	1.00	1.05		mg/L		97	75 - 125	1	20
Lead	ND		1.00	0.984		mg/L		98	75 - 125	2	20

Lab Sample ID: LB 320-620645/1-A ^10
Matrix: Solid
Analysis Batch: 622045

Client Sample ID: Method Blank
Prep Type: STLC Citrate

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.20	0.12	mg/L			10/03/22 12:50	10
Chromium	ND		0.10	0.0060	mg/L			10/03/22 12:50	10
Lead	0.0227	J	0.10	0.012	mg/L			10/03/22 12:50	10

Lab Sample ID: LCS 320-620645/2-A ^10
Matrix: Solid
Analysis Batch: 622045

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Arsenic			1.00	0.892		mg/L		89	75 - 125		
Chromium			1.00	1.02		mg/L		102	75 - 125		
Lead			1.00	1.03		mg/L		103	75 - 125		

Lab Sample ID: LCSD 320-620645/3-A
Matrix: Solid
Analysis Batch: 622045

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
Arsenic			1.00	0.911		mg/L		91	75 - 125	2	20
Chromium			1.00	1.01		mg/L		101	75 - 125	1	20
Lead			1.00	0.991		mg/L		99	75 - 125	4	20

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 320-620230/11-A
Matrix: Solid
Analysis Batch: 620585

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 620230

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.040	0.0080	mg/Kg		09/27/22 11:43	09/27/22 14:24	1

Lab Sample ID: LCS 320-620230/12-A
Matrix: Solid
Analysis Batch: 620585

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 620230

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.167	0.169		mg/Kg		101	86 - 114

Lab Sample ID: LCSD 320-620230/13-A
Matrix: Solid
Analysis Batch: 620585

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 620230

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.167	0.167		mg/Kg		100	86 - 114	1	17

Lab Sample ID: MB 320-621052/11-A
Matrix: Solid
Analysis Batch: 621184

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 621052

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.040	0.0080	mg/Kg		09/29/22 12:49	09/29/22 15:48	1

Lab Sample ID: LCS 320-621052/12-A
Matrix: Solid
Analysis Batch: 621184

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 621052

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.167	0.163		mg/Kg		98	86 - 114

Lab Sample ID: LCSD 320-621052/13-A
Matrix: Solid
Analysis Batch: 621184

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 621052

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	1	17

Lab Sample ID: 320-92432-1 MS
Matrix: Solid
Analysis Batch: 621184

Client Sample ID: MHSSF-ENV-A@0.5'
Prep Type: Total/NA
Prep Batch: 621052

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	ND		0.165	0.167		mg/Kg	☼	101	86 - 114

Lab Sample ID: 320-92432-1 MSD
Matrix: Solid
Analysis Batch: 621184

Client Sample ID: MHSSF-ENV-A@0.5'
Prep Type: Total/NA
Prep Batch: 621052

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	ND		0.173	0.171		mg/Kg	☼	98	86 - 114	2	17

Client: Cleary Consultants, Inc
Project/Site: Mzrina High School

Job ID: 320-92432-1

Method: D 2216 - Percent Moisture

Lab Sample ID: 320-92432-1 DU
Matrix: Solid
Analysis Batch: 620170

Client Sample ID: MHSSF-ENV-A@0.5'
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	2.3			1.9		%				17	20

GC/MS VOA

Prep Batch: 620031

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-92432-1	MHSSF-ENV-A@0.5'	Total/NA	Solid	5030B	
320-92432-2	MHSSF-ENV-B@0.5'	Total/NA	Solid	5030B	
320-92432-3	MHSSF-ENV-C@0.5'	Total/NA	Solid	5030B	
320-92432-4	MHSSF-ENV-D@0.5'	Total/NA	Solid	5030B	
320-92432-5	MHSSF-ENV-E@0.5'	Total/NA	Solid	5030B	
320-92432-6	MHSSF-ENV-F@0.5'	Total/NA	Solid	5030B	
320-92432-7	MHSSF-ENV-G@0.5'	Total/NA	Solid	5030B	
320-92432-8	MHSSF-ENV-H@0.5'	Total/NA	Solid	5030B	
320-92432-9	MHSSF-ENV-I@0.5'	Total/NA	Solid	5030B	
320-92432-10	MHSSF-ENV-J@0.5'	Total/NA	Solid	5030B	

Analysis Batch: 620650

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-92432-1	MHSSF-ENV-A@0.5'	Total/NA	Solid	8260B	620031
320-92432-2	MHSSF-ENV-B@0.5'	Total/NA	Solid	8260B	620031
320-92432-3	MHSSF-ENV-C@0.5'	Total/NA	Solid	8260B	620031
320-92432-4	MHSSF-ENV-D@0.5'	Total/NA	Solid	8260B	620031
320-92432-5	MHSSF-ENV-E@0.5'	Total/NA	Solid	8260B	620031
320-92432-6	MHSSF-ENV-F@0.5'	Total/NA	Solid	8260B	620031
320-92432-7	MHSSF-ENV-G@0.5'	Total/NA	Solid	8260B	620031
320-92432-8	MHSSF-ENV-H@0.5'	Total/NA	Solid	8260B	620031
320-92432-9	MHSSF-ENV-I@0.5'	Total/NA	Solid	8260B	620031
320-92432-10	MHSSF-ENV-J@0.5'	Total/NA	Solid	8260B	620031
MB 320-620650/11	Method Blank	Total/NA	Solid	8260B	
LCS 320-620650/6	Lab Control Sample	Total/NA	Solid	8260B	
LCS 320-620650/8	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 320-620650/7	Lab Control Sample Dup	Total/NA	Solid	8260B	
LCSD 320-620650/9	Lab Control Sample Dup	Total/NA	Solid	8260B	

GC/MS Semi VOA

Prep Batch: 620314

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-92432-1	MHSSF-ENV-A@0.5'	Total/NA	Solid	3550B	
320-92432-2	MHSSF-ENV-B@0.5'	Total/NA	Solid	3550B	
320-92432-3	MHSSF-ENV-C@0.5'	Total/NA	Solid	3550B	
320-92432-4	MHSSF-ENV-D@0.5'	Total/NA	Solid	3550B	
320-92432-5	MHSSF-ENV-E@0.5'	Total/NA	Solid	3550B	
320-92432-6	MHSSF-ENV-F@0.5'	Total/NA	Solid	3550B	
320-92432-7	MHSSF-ENV-G@0.5'	Total/NA	Solid	3550B	
320-92432-8	MHSSF-ENV-H@0.5'	Total/NA	Solid	3550B	
320-92432-9	MHSSF-ENV-I@0.5'	Total/NA	Solid	3550B	
320-92432-10	MHSSF-ENV-J@0.5'	Total/NA	Solid	3550B	
MB 320-620314/1-A	Method Blank	Total/NA	Solid	3550B	
LCS 320-620314/2-A	Lab Control Sample	Total/NA	Solid	3550B	
320-92432-1 MS	MHSSF-ENV-A@0.5'	Total/NA	Solid	3550B	
320-92432-1 MSD	MHSSF-ENV-A@0.5'	Total/NA	Solid	3550B	

Analysis Batch: 620781

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-92432-1	MHSSF-ENV-A@0.5'	Total/NA	Solid	8270C	620314

GC/MS Semi VOA (Continued)

Analysis Batch: 620781 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-92432-2	MHSSF-ENV-B@0.5'	Total/NA	Solid	8270C	620314
320-92432-3	MHSSF-ENV-C@0.5'	Total/NA	Solid	8270C	620314
320-92432-4	MHSSF-ENV-D@0.5'	Total/NA	Solid	8270C	620314
320-92432-5	MHSSF-ENV-E@0.5'	Total/NA	Solid	8270C	620314
320-92432-6	MHSSF-ENV-F@0.5'	Total/NA	Solid	8270C	620314
320-92432-7	MHSSF-ENV-G@0.5'	Total/NA	Solid	8270C	620314
320-92432-8	MHSSF-ENV-H@0.5'	Total/NA	Solid	8270C	620314
320-92432-9	MHSSF-ENV-I@0.5'	Total/NA	Solid	8270C	620314
320-92432-10	MHSSF-ENV-J@0.5'	Total/NA	Solid	8270C	620314
MB 320-620314/1-A	Method Blank	Total/NA	Solid	8270C	620314
LCS 320-620314/2-A	Lab Control Sample	Total/NA	Solid	8270C	620314
320-92432-1 MS	MHSSF-ENV-A@0.5'	Total/NA	Solid	8270C	620314
320-92432-1 MSD	MHSSF-ENV-A@0.5'	Total/NA	Solid	8270C	620314

GC Semi VOA

Prep Batch: 620320

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-92432-1	MHSSF-ENV-A@0.5'	Silica Gel Cleanup	Solid	3550B	
320-92432-2	MHSSF-ENV-B@0.5'	Silica Gel Cleanup	Solid	3550B	
320-92432-3	MHSSF-ENV-C@0.5'	Silica Gel Cleanup	Solid	3550B	
320-92432-4	MHSSF-ENV-D@0.5'	Silica Gel Cleanup	Solid	3550B	
320-92432-5	MHSSF-ENV-E@0.5'	Silica Gel Cleanup	Solid	3550B	
320-92432-6	MHSSF-ENV-F@0.5'	Silica Gel Cleanup	Solid	3550B	
320-92432-7	MHSSF-ENV-G@0.5'	Silica Gel Cleanup	Solid	3550B	
320-92432-8	MHSSF-ENV-H@0.5'	Silica Gel Cleanup	Solid	3550B	
320-92432-9	MHSSF-ENV-I@0.5'	Silica Gel Cleanup	Solid	3550B	
320-92432-10	MHSSF-ENV-J@0.5'	Silica Gel Cleanup	Solid	3550B	
MB 320-620320/1-A	Method Blank	Silica Gel Cleanup	Solid	3550B	
LCS 320-620320/2-A	Lab Control Sample	Silica Gel Cleanup	Solid	3550B	
320-92432-10 MS	MHSSF-ENV-J@0.5'	Silica Gel Cleanup	Solid	3550B	
320-92432-10 MSD	MHSSF-ENV-J@0.5'	Silica Gel Cleanup	Solid	3550B	

Prep Batch: 620354

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-92432-1	MHSSF-ENV-A@0.5'	Total/NA	Solid	3546	
320-92432-2	MHSSF-ENV-B@0.5'	Total/NA	Solid	3546	
320-92432-3	MHSSF-ENV-C@0.5'	Total/NA	Solid	3546	
320-92432-4	MHSSF-ENV-D@0.5'	Total/NA	Solid	3546	
320-92432-5	MHSSF-ENV-E@0.5'	Total/NA	Solid	3546	
320-92432-6	MHSSF-ENV-F@0.5'	Total/NA	Solid	3546	
320-92432-7	MHSSF-ENV-G@0.5'	Total/NA	Solid	3546	
320-92432-8	MHSSF-ENV-H@0.5'	Total/NA	Solid	3546	
320-92432-9	MHSSF-ENV-I@0.5'	Total/NA	Solid	3546	
320-92432-10	MHSSF-ENV-J@0.5'	Total/NA	Solid	3546	
MB 320-620354/1-A	Method Blank	Total/NA	Solid	3546	
LCS 320-620354/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCS 320-620354/3-A	Lab Control Sample	Total/NA	Solid	3546	
LCS 320-620354/4-A	Lab Control Sample	Total/NA	Solid	3546	
320-92432-10 MS	MHSSF-ENV-J@0.5'	Total/NA	Solid	3546	
320-92432-10 MSD	MHSSF-ENV-J@0.5'	Total/NA	Solid	3546	

GC Semi VOA

Prep Batch: 620369

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-92432-1	MHSSF-ENV-A@0.5'	Total/NA	Solid	3546	
320-92432-2	MHSSF-ENV-B@0.5'	Total/NA	Solid	3546	
320-92432-3	MHSSF-ENV-C@0.5'	Total/NA	Solid	3546	
320-92432-4	MHSSF-ENV-D@0.5'	Total/NA	Solid	3546	
320-92432-5	MHSSF-ENV-E@0.5'	Total/NA	Solid	3546	
320-92432-6	MHSSF-ENV-F@0.5'	Total/NA	Solid	3546	
320-92432-7	MHSSF-ENV-G@0.5'	Total/NA	Solid	3546	
320-92432-8	MHSSF-ENV-H@0.5'	Total/NA	Solid	3546	
320-92432-9	MHSSF-ENV-I@0.5'	Total/NA	Solid	3546	
320-92432-10	MHSSF-ENV-J@0.5'	Total/NA	Solid	3546	
MB 320-620369/1-A	Method Blank	Total/NA	Solid	3546	
LCS 320-620369/2-A	Lab Control Sample	Total/NA	Solid	3546	
320-92432-10 MS	MHSSF-ENV-J@0.5'	Total/NA	Solid	3546	
320-92432-10 MSD	MHSSF-ENV-J@0.5'	Total/NA	Solid	3546	

Analysis Batch: 620722

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-92432-1	MHSSF-ENV-A@0.5'	Silica Gel Cleanup	Solid	8015C	620320
320-92432-2	MHSSF-ENV-B@0.5'	Silica Gel Cleanup	Solid	8015C	620320
320-92432-3	MHSSF-ENV-C@0.5'	Silica Gel Cleanup	Solid	8015C	620320
320-92432-4	MHSSF-ENV-D@0.5'	Silica Gel Cleanup	Solid	8015C	620320
320-92432-5	MHSSF-ENV-E@0.5'	Silica Gel Cleanup	Solid	8015C	620320
320-92432-6	MHSSF-ENV-F@0.5'	Silica Gel Cleanup	Solid	8015C	620320
320-92432-7	MHSSF-ENV-G@0.5'	Silica Gel Cleanup	Solid	8015C	620320
320-92432-8	MHSSF-ENV-H@0.5'	Silica Gel Cleanup	Solid	8015C	620320
320-92432-9	MHSSF-ENV-I@0.5'	Silica Gel Cleanup	Solid	8015C	620320
320-92432-10	MHSSF-ENV-J@0.5'	Silica Gel Cleanup	Solid	8015C	620320
MB 320-620320/1-A	Method Blank	Silica Gel Cleanup	Solid	8015C	620320
LCS 320-620320/2-A	Lab Control Sample	Silica Gel Cleanup	Solid	8015C	620320
320-92432-10 MS	MHSSF-ENV-J@0.5'	Silica Gel Cleanup	Solid	8015C	620320
320-92432-10 MSD	MHSSF-ENV-J@0.5'	Silica Gel Cleanup	Solid	8015C	620320

Analysis Batch: 622170

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-92432-1	MHSSF-ENV-A@0.5'	Total/NA	Solid	8082A	620369
320-92432-2	MHSSF-ENV-B@0.5'	Total/NA	Solid	8082A	620369
320-92432-3	MHSSF-ENV-C@0.5'	Total/NA	Solid	8082A	620369
320-92432-4	MHSSF-ENV-D@0.5'	Total/NA	Solid	8082A	620369
320-92432-5	MHSSF-ENV-E@0.5'	Total/NA	Solid	8082A	620369
320-92432-6	MHSSF-ENV-F@0.5'	Total/NA	Solid	8082A	620369
320-92432-7	MHSSF-ENV-G@0.5'	Total/NA	Solid	8082A	620369
320-92432-8	MHSSF-ENV-H@0.5'	Total/NA	Solid	8082A	620369
320-92432-9	MHSSF-ENV-I@0.5'	Total/NA	Solid	8082A	620369
320-92432-10	MHSSF-ENV-J@0.5'	Total/NA	Solid	8082A	620369
MB 320-620369/1-A	Method Blank	Total/NA	Solid	8082A	620369
LCS 320-620369/2-A	Lab Control Sample	Total/NA	Solid	8082A	620369
320-92432-10 MS	MHSSF-ENV-J@0.5'	Total/NA	Solid	8082A	620369
320-92432-10 MSD	MHSSF-ENV-J@0.5'	Total/NA	Solid	8082A	620369

GC Semi VOA

Analysis Batch: 622637

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-92432-1	MHSSF-ENV-A@0.5'	Total/NA	Solid	8081B	620354
MB 320-620354/1-A	Method Blank	Total/NA	Solid	8081B	620354
LCS 320-620354/3-A	Lab Control Sample	Total/NA	Solid	8081B	620354
LCS 320-620354/4-A	Lab Control Sample	Total/NA	Solid	8081B	620354

Analysis Batch: 622837

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-92432-2	MHSSF-ENV-B@0.5'	Total/NA	Solid	8081B	620354
320-92432-3	MHSSF-ENV-C@0.5'	Total/NA	Solid	8081B	620354
320-92432-4	MHSSF-ENV-D@0.5'	Total/NA	Solid	8081B	620354
320-92432-5	MHSSF-ENV-E@0.5'	Total/NA	Solid	8081B	620354
320-92432-6	MHSSF-ENV-F@0.5'	Total/NA	Solid	8081B	620354
320-92432-7	MHSSF-ENV-G@0.5'	Total/NA	Solid	8081B	620354
320-92432-8	MHSSF-ENV-H@0.5'	Total/NA	Solid	8081B	620354
320-92432-9	MHSSF-ENV-I@0.5'	Total/NA	Solid	8081B	620354
320-92432-10	MHSSF-ENV-J@0.5'	Total/NA	Solid	8081B	620354
LCS 320-620354/2-A	Lab Control Sample	Total/NA	Solid	8081B	620354
320-92432-10 MS	MHSSF-ENV-J@0.5'	Total/NA	Solid	8081B	620354
320-92432-10 MSD	MHSSF-ENV-J@0.5'	Total/NA	Solid	8081B	620354

HPLC/IC

Analysis Batch: 268308

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-92432-1	MHSSF-ENV-A@0.5'	Total/NA	Solid	7199	268311
320-92432-2	MHSSF-ENV-B@0.5'	Total/NA	Solid	7199	268311
320-92432-3	MHSSF-ENV-C@0.5'	Total/NA	Solid	7199	268311
320-92432-4	MHSSF-ENV-D@0.5'	Total/NA	Solid	7199	268311
320-92432-5	MHSSF-ENV-E@0.5'	Total/NA	Solid	7199	268311
320-92432-6	MHSSF-ENV-F@0.5'	Total/NA	Solid	7199	268311
320-92432-7	MHSSF-ENV-G@0.5'	Total/NA	Solid	7199	268311
320-92432-8	MHSSF-ENV-H@0.5'	Total/NA	Solid	7199	268311
320-92432-9	MHSSF-ENV-I@0.5'	Total/NA	Solid	7199	268311
320-92432-10	MHSSF-ENV-J@0.5'	Total/NA	Solid	7199	268311
MB 570-268311/1-A	Method Blank	Total/NA	Solid	7199	268311
LCS 570-268311/2-A	Lab Control Sample	Total/NA	Solid	7199	268311
LCSD 570-268311/3-A	Lab Control Sample Dup	Total/NA	Solid	7199	268311
320-92432-1 MS	MHSSF-ENV-A@0.5'	Total/NA	Solid	7199	268311
320-92432-1 MSD	MHSSF-ENV-A@0.5'	Total/NA	Solid	7199	268311

Prep Batch: 268311

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-92432-1	MHSSF-ENV-A@0.5'	Total/NA	Solid	3060A	
320-92432-2	MHSSF-ENV-B@0.5'	Total/NA	Solid	3060A	
320-92432-3	MHSSF-ENV-C@0.5'	Total/NA	Solid	3060A	
320-92432-4	MHSSF-ENV-D@0.5'	Total/NA	Solid	3060A	
320-92432-5	MHSSF-ENV-E@0.5'	Total/NA	Solid	3060A	
320-92432-6	MHSSF-ENV-F@0.5'	Total/NA	Solid	3060A	
320-92432-7	MHSSF-ENV-G@0.5'	Total/NA	Solid	3060A	
320-92432-8	MHSSF-ENV-H@0.5'	Total/NA	Solid	3060A	
320-92432-9	MHSSF-ENV-I@0.5'	Total/NA	Solid	3060A	

HPLC/IC (Continued)

Prep Batch: 268311 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-92432-10	MHSSF-ENV-J@0.5'	Total/NA	Solid	3060A	
MB 570-268311/1-A	Method Blank	Total/NA	Solid	3060A	
LCS 570-268311/2-A	Lab Control Sample	Total/NA	Solid	3060A	
LCSD 570-268311/3-A	Lab Control Sample Dup	Total/NA	Solid	3060A	
320-92432-1 MS	MHSSF-ENV-A@0.5'	Total/NA	Solid	3060A	
320-92432-1 MSD	MHSSF-ENV-A@0.5'	Total/NA	Solid	3060A	

Metals

Prep Batch: 620158

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-92432-1	MHSSF-ENV-A@0.5'	Total/NA	Solid	3050B	
320-92432-2	MHSSF-ENV-B@0.5'	Total/NA	Solid	3050B	
320-92432-3	MHSSF-ENV-C@0.5'	Total/NA	Solid	3050B	
320-92432-4	MHSSF-ENV-D@0.5'	Total/NA	Solid	3050B	
320-92432-5	MHSSF-ENV-E@0.5'	Total/NA	Solid	3050B	
320-92432-6	MHSSF-ENV-F@0.5'	Total/NA	Solid	3050B	
320-92432-7	MHSSF-ENV-G@0.5'	Total/NA	Solid	3050B	
320-92432-8	MHSSF-ENV-H@0.5'	Total/NA	Solid	3050B	
320-92432-9	MHSSF-ENV-I@0.5'	Total/NA	Solid	3050B	
320-92432-10	MHSSF-ENV-J@0.5'	Total/NA	Solid	3050B	
MB 320-620158/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 320-620158/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Prep Batch: 620230

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-92432-9	MHSSF-ENV-I@0.5'	Total/NA	Solid	7471A	
320-92432-10	MHSSF-ENV-J@0.5'	Total/NA	Solid	7471A	
MB 320-620230/11-A	Method Blank	Total/NA	Solid	7471A	
LCS 320-620230/12-A	Lab Control Sample	Total/NA	Solid	7471A	
LCSD 320-620230/13-A	Lab Control Sample Dup	Total/NA	Solid	7471A	

Analysis Batch: 620576

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-92432-1	MHSSF-ENV-A@0.5'	Total/NA	Solid	6010B	620158
320-92432-2	MHSSF-ENV-B@0.5'	Total/NA	Solid	6010B	620158
320-92432-3	MHSSF-ENV-C@0.5'	Total/NA	Solid	6010B	620158
320-92432-4	MHSSF-ENV-D@0.5'	Total/NA	Solid	6010B	620158
320-92432-5	MHSSF-ENV-E@0.5'	Total/NA	Solid	6010B	620158
320-92432-6	MHSSF-ENV-F@0.5'	Total/NA	Solid	6010B	620158
320-92432-7	MHSSF-ENV-G@0.5'	Total/NA	Solid	6010B	620158
320-92432-8	MHSSF-ENV-H@0.5'	Total/NA	Solid	6010B	620158
320-92432-9	MHSSF-ENV-I@0.5'	Total/NA	Solid	6010B	620158
320-92432-10	MHSSF-ENV-J@0.5'	Total/NA	Solid	6010B	620158
MB 320-620158/1-A	Method Blank	Total/NA	Solid	6010B	620158
LCS 320-620158/2-A	Lab Control Sample	Total/NA	Solid	6010B	620158

Analysis Batch: 620585

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-92432-9	MHSSF-ENV-I@0.5'	Total/NA	Solid	7471A	620230
320-92432-10	MHSSF-ENV-J@0.5'	Total/NA	Solid	7471A	620230

Metals (Continued)

Analysis Batch: 620585 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 320-620230/11-A	Method Blank	Total/NA	Solid	7471A	620230
LCS 320-620230/12-A	Lab Control Sample	Total/NA	Solid	7471A	620230
LCSD 320-620230/13-A	Lab Control Sample Dup	Total/NA	Solid	7471A	620230

Leach Batch: 620645

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-92432-1	MHSSF-ENV-A@0.5'	STLC Citrate	Solid	CA WET Citrate	
320-92432-2	MHSSF-ENV-B@0.5'	STLC Citrate	Solid	CA WET Citrate	
320-92432-3	MHSSF-ENV-C@0.5'	STLC Citrate	Solid	CA WET Citrate	
320-92432-4	MHSSF-ENV-D@0.5'	STLC Citrate	Solid	CA WET Citrate	
320-92432-5	MHSSF-ENV-E@0.5'	STLC Citrate	Solid	CA WET Citrate	
320-92432-6	MHSSF-ENV-F@0.5'	STLC Citrate	Solid	CA WET Citrate	
320-92432-7	MHSSF-ENV-G@0.5'	STLC Citrate	Solid	CA WET Citrate	
320-92432-8	MHSSF-ENV-H@0.5'	STLC Citrate	Solid	CA WET Citrate	
320-92432-9	MHSSF-ENV-I@0.5'	STLC Citrate	Solid	CA WET Citrate	
320-92432-10	MHSSF-ENV-J@0.5'	STLC Citrate	Solid	CA WET Citrate	
LB 320-620645/1-A ^10	Method Blank	STLC Citrate	Solid	CA WET Citrate	
LCS 320-620645/2-A ^10	Lab Control Sample	STLC Citrate	Solid	CA WET Citrate	
LCSD 320-620645/3-A	Lab Control Sample Dup	STLC Citrate	Solid	CA WET Citrate	
320-92432-1 MS	MHSSF-ENV-A@0.5'	STLC Citrate	Solid	CA WET Citrate	
320-92432-1 MSD	MHSSF-ENV-A@0.5'	STLC Citrate	Solid	CA WET Citrate	

Prep Batch: 621052

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-92432-1	MHSSF-ENV-A@0.5'	Total/NA	Solid	7471A	
320-92432-2	MHSSF-ENV-B@0.5'	Total/NA	Solid	7471A	
320-92432-3	MHSSF-ENV-C@0.5'	Total/NA	Solid	7471A	
320-92432-4	MHSSF-ENV-D@0.5'	Total/NA	Solid	7471A	
320-92432-5	MHSSF-ENV-E@0.5'	Total/NA	Solid	7471A	
320-92432-6	MHSSF-ENV-F@0.5'	Total/NA	Solid	7471A	
320-92432-7	MHSSF-ENV-G@0.5'	Total/NA	Solid	7471A	
320-92432-8	MHSSF-ENV-H@0.5'	Total/NA	Solid	7471A	
MB 320-621052/11-A	Method Blank	Total/NA	Solid	7471A	
LCS 320-621052/12-A	Lab Control Sample	Total/NA	Solid	7471A	
LCSD 320-621052/13-A	Lab Control Sample Dup	Total/NA	Solid	7471A	
320-92432-1 MS	MHSSF-ENV-A@0.5'	Total/NA	Solid	7471A	
320-92432-1 MSD	MHSSF-ENV-A@0.5'	Total/NA	Solid	7471A	

Analysis Batch: 621184

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-92432-1	MHSSF-ENV-A@0.5'	Total/NA	Solid	7471A	621052
320-92432-2	MHSSF-ENV-B@0.5'	Total/NA	Solid	7471A	621052
320-92432-3	MHSSF-ENV-C@0.5'	Total/NA	Solid	7471A	621052
320-92432-4	MHSSF-ENV-D@0.5'	Total/NA	Solid	7471A	621052
320-92432-5	MHSSF-ENV-E@0.5'	Total/NA	Solid	7471A	621052
320-92432-6	MHSSF-ENV-F@0.5'	Total/NA	Solid	7471A	621052
320-92432-7	MHSSF-ENV-G@0.5'	Total/NA	Solid	7471A	621052
320-92432-8	MHSSF-ENV-H@0.5'	Total/NA	Solid	7471A	621052
MB 320-621052/11-A	Method Blank	Total/NA	Solid	7471A	621052
LCS 320-621052/12-A	Lab Control Sample	Total/NA	Solid	7471A	621052
LCSD 320-621052/13-A	Lab Control Sample Dup	Total/NA	Solid	7471A	621052

Metals (Continued)

Analysis Batch: 621184 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-92432-1 MS	MHSSF-ENV-A@0.5'	Total/NA	Solid	7471A	621052
320-92432-1 MSD	MHSSF-ENV-A@0.5'	Total/NA	Solid	7471A	621052

Analysis Batch: 621393

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-92432-1	MHSSF-ENV-A@0.5'	STLC Citrate	Solid	6010B	620645
LB 320-620645/1-A ^10	Method Blank	STLC Citrate	Solid	6010B	620645
LCS 320-620645/2-A ^10	Lab Control Sample	STLC Citrate	Solid	6010B	620645
LCSD 320-620645/3-A	Lab Control Sample Dup	STLC Citrate	Solid	6010B	620645
320-92432-1 MS	MHSSF-ENV-A@0.5'	STLC Citrate	Solid	6010B	620645
320-92432-1 MSD	MHSSF-ENV-A@0.5'	STLC Citrate	Solid	6010B	620645

Analysis Batch: 622045

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-92432-2	MHSSF-ENV-B@0.5'	STLC Citrate	Solid	6010B	620645
320-92432-3	MHSSF-ENV-C@0.5'	STLC Citrate	Solid	6010B	620645
320-92432-4	MHSSF-ENV-D@0.5'	STLC Citrate	Solid	6010B	620645
320-92432-5	MHSSF-ENV-E@0.5'	STLC Citrate	Solid	6010B	620645
320-92432-6	MHSSF-ENV-F@0.5'	STLC Citrate	Solid	6010B	620645
320-92432-7	MHSSF-ENV-G@0.5'	STLC Citrate	Solid	6010B	620645
320-92432-8	MHSSF-ENV-H@0.5'	STLC Citrate	Solid	6010B	620645
320-92432-9	MHSSF-ENV-I@0.5'	STLC Citrate	Solid	6010B	620645
320-92432-10	MHSSF-ENV-J@0.5'	STLC Citrate	Solid	6010B	620645
LB 320-620645/1-A ^10	Method Blank	STLC Citrate	Solid	6010B	620645
LCS 320-620645/2-A ^10	Lab Control Sample	STLC Citrate	Solid	6010B	620645
LCSD 320-620645/3-A	Lab Control Sample Dup	STLC Citrate	Solid	6010B	620645

General Chemistry

Analysis Batch: 620170

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-92432-1	MHSSF-ENV-A@0.5'	Total/NA	Solid	D 2216	
320-92432-2	MHSSF-ENV-B@0.5'	Total/NA	Solid	D 2216	
320-92432-3	MHSSF-ENV-C@0.5'	Total/NA	Solid	D 2216	
320-92432-4	MHSSF-ENV-D@0.5'	Total/NA	Solid	D 2216	
320-92432-5	MHSSF-ENV-E@0.5'	Total/NA	Solid	D 2216	
320-92432-6	MHSSF-ENV-F@0.5'	Total/NA	Solid	D 2216	
320-92432-7	MHSSF-ENV-G@0.5'	Total/NA	Solid	D 2216	
320-92432-8	MHSSF-ENV-H@0.5'	Total/NA	Solid	D 2216	
320-92432-9	MHSSF-ENV-I@0.5'	Total/NA	Solid	D 2216	
320-92432-10	MHSSF-ENV-J@0.5'	Total/NA	Solid	D 2216	
320-92432-1 DU	MHSSF-ENV-A@0.5'	Total/NA	Solid	D 2216	

Lab Chronicle

Client: Cleary Consultants, Inc
Project/Site: Mzrina High School

Job ID: 320-92432-1

Client Sample ID: MHSSF-ENV-A@0.5'

Lab Sample ID: 320-92432-1
Date Collected: 09/20/22 10:00
Matrix: Solid
Date Received: 09/23/22 18:45

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			50.04 g	500 mL	620645	09/28/22 10:45	GSH	EET SAC
STLC Citrate	Analysis	6010B		10			621393	09/30/22 14:03	SP	EET SAC
Total/NA	Analysis	D 2216		1			620170	09/26/22 15:18	TCS	EET SAC

Client Sample ID: MHSSF-ENV-A@0.5'

Lab Sample ID: 320-92432-1
Date Collected: 09/20/22 10:00
Matrix: Solid
Date Received: 09/23/22 18:45
Percent Solids: 97.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			00005.05 g	5 mL	620031	09/26/22 11:12	AZ1	EET SAC
Total/NA	Analysis	8260B		1	5 mL	5 mL	620650	09/28/22 15:48	BAJ	EET SAC
Total/NA	Prep	3550B			30.47 g	1 mL	620314	09/27/22 07:34	NGK	EET SAC
Total/NA	Analysis	8270C		1	1 mL	1 mL	620781	09/28/22 14:20	Y1S	EET SAC
Silica Gel Cleanup	Prep	3550B			30.70 g	3 mL	620320	09/27/22 07:45	NGK	EET SAC
Silica Gel Cleanup	Analysis	8015C		1	1 mL	1 mL	620722	09/29/22 01:31	K1D	EET SAC
Total/NA	Prep	3546			15.78 g	5 mL	620354	09/27/22 10:07	SJ	EET SAC
Total/NA	Analysis	8081B		1	1 mL	1 mL	622637	10/06/22 09:59	K1D	EET SAC
Total/NA	Prep	3546			15.78 g	5 mL	620369	09/27/22 10:56	SJ	EET SAC
Total/NA	Analysis	8082A		1	1 mL	1 mL	622170	10/04/22 18:15	K1D	EET SAC
Total/NA	Prep	3060A			2.51 g	100 mL	268311	09/29/22 02:00		EET CAL 4
Total/NA	Analysis	7199		10	4 mL	4 mL	268308	09/29/22 08:09	YO8L	EET CAL 4
Total/NA	Prep	3050B			1.01 g	100 mL	620158	09/26/22 16:00	JP	EET SAC
Total/NA	Analysis	6010B		1			620576	09/27/22 13:59	SP	EET SAC
Total/NA	Prep	7471A			0.61 g	50 mL	621052	09/29/22 12:49	JAP	EET SAC
Total/NA	Analysis	7471A		1			621184	09/29/22 16:04	JAP	EET SAC

Client Sample ID: MHSSF-ENV-B@0.5'

Lab Sample ID: 320-92432-2
Date Collected: 09/20/22 13:00
Matrix: Solid
Date Received: 09/23/22 18:45

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			49.99 g	500 mL	620645	09/28/22 10:45	GSH	EET SAC
STLC Citrate	Analysis	6010B		10			622045	10/03/22 13:02	SP	EET SAC
Total/NA	Analysis	D 2216		1			620170	09/26/22 15:18	TCS	EET SAC

Client Sample ID: MHSSF-ENV-B@0.5'

Lab Sample ID: 320-92432-2
Date Collected: 09/20/22 13:00
Matrix: Solid
Date Received: 09/23/22 18:45
Percent Solids: 95.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			00005.09 g	5 mL	620031	09/26/22 11:12	AZ1	EET SAC
Total/NA	Analysis	8260B		1	5 mL	5 mL	620650	09/28/22 16:10	BAJ	EET SAC
Total/NA	Prep	3550B			30.64 g	1 mL	620314	09/27/22 07:34	NGK	EET SAC
Total/NA	Analysis	8270C		1	1 mL	1 mL	620781	09/28/22 15:34	Y1S	EET SAC

Lab Chronicle

Client: Cleary Consultants, Inc
Project/Site: Mzrina High School

Job ID: 320-92432-1

Client Sample ID: MHSSF-ENV-B@0.5'

Lab Sample ID: 320-92432-2
Date Collected: 09/20/22 13:00
Matrix: Solid
Date Received: 09/23/22 18:45
Percent Solids: 95.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Silica Gel Cleanup	Prep	3550B			30.71 g	3 mL	620320	09/27/22 07:45	NGK	EET SAC
Silica Gel Cleanup	Analysis	8015C		1	1 mL	1 mL	620722	09/29/22 02:00	K1D	EET SAC
Total/NA	Prep	3546			15.35 g	5 mL	620354	09/27/22 10:07	SJ	EET SAC
Total/NA	Analysis	8081B		1	1 mL	1 mL	622837	10/06/22 17:43	K1D	EET SAC
Total/NA	Prep	3546			15.35 g	5 mL	620369	09/27/22 10:56	SJ	EET SAC
Total/NA	Analysis	8082A		1	1 mL	1 mL	622170	10/04/22 18:35	K1D	EET SAC
Total/NA	Prep	3060A			2.52 g	100 mL	268311	09/29/22 02:00		EET CAL 4
Total/NA	Analysis	7199		10	4 mL	4 mL	268308	09/29/22 08:59	YO8L	EET CAL 4
Total/NA	Prep	3050B			1.04 g	100 mL	620158	09/26/22 16:00	JP	EET SAC
Total/NA	Analysis	6010B		1			620576	09/27/22 14:03	SP	EET SAC
Total/NA	Prep	7471A			0.60 g	50 mL	621052	09/29/22 12:49	JAP	EET SAC
Total/NA	Analysis	7471A		1			621184	09/29/22 16:14	JAP	EET SAC

Client Sample ID: MHSSF-ENV-C@0.5'

Lab Sample ID: 320-92432-3
Date Collected: 09/20/22 15:00
Matrix: Solid
Date Received: 09/23/22 18:45

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			50.01 g	500 mL	620645	09/28/22 10:45	GSH	EET SAC
STLC Citrate	Analysis	6010B		10			622045	10/03/22 13:06	SP	EET SAC
Total/NA	Analysis	D 2216		1			620170	09/26/22 15:18	TCS	EET SAC

Client Sample ID: MHSSF-ENV-C@0.5'

Lab Sample ID: 320-92432-3
Date Collected: 09/20/22 15:00
Matrix: Solid
Date Received: 09/23/22 18:45
Percent Solids: 98.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			00005.09 g	5 mL	620031	09/26/22 11:12	AZ1	EET SAC
Total/NA	Analysis	8260B		1	5 mL	5 mL	620650	09/28/22 16:32	BAJ	EET SAC
Total/NA	Prep	3550B			30.09 g	1 mL	620314	09/27/22 07:34	NGK	EET SAC
Total/NA	Analysis	8270C		1	1 mL	1 mL	620781	09/28/22 15:59	Y1S	EET SAC
Silica Gel Cleanup	Prep	3550B			30.19 g	3 mL	620320	09/27/22 07:45	NGK	EET SAC
Silica Gel Cleanup	Analysis	8015C		1	1 mL	1 mL	620722	09/29/22 02:28	K1D	EET SAC
Total/NA	Prep	3546			15.91 g	5 mL	620354	09/27/22 10:07	SJ	EET SAC
Total/NA	Analysis	8081B		1	1 mL	1 mL	622837	10/06/22 18:02	K1D	EET SAC
Total/NA	Prep	3546			15.91 g	5 mL	620369	09/27/22 10:56	SJ	EET SAC
Total/NA	Analysis	8082A		1	1 mL	1 mL	622170	10/04/22 18:56	K1D	EET SAC
Total/NA	Prep	3060A			2.49 g	100 mL	268311	09/29/22 02:00		EET CAL 4
Total/NA	Analysis	7199		10	4 mL	4 mL	268308	09/29/22 09:09	YO8L	EET CAL 4
Total/NA	Prep	3050B			1.01 g	100 mL	620158	09/26/22 16:00	JP	EET SAC
Total/NA	Analysis	6010B		1			620576	09/27/22 14:06	SP	EET SAC
Total/NA	Prep	7471A			0.64 g	50 mL	621052	09/29/22 12:49	JAP	EET SAC
Total/NA	Analysis	7471A		1			621184	09/29/22 16:16	JAP	EET SAC

Lab Chronicle

Client: Cleary Consultants, Inc
Project/Site: Mzrina High School

Job ID: 320-92432-1

Client Sample ID: MHSSF-ENV-D@0.5'

Lab Sample ID: 320-92432-4
Date Collected: 09/21/22 09:30
Matrix: Solid
Date Received: 09/23/22 18:45

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			50.05 g	500 mL	620645	09/28/22 10:45	GSH	EET SAC
STLC Citrate	Analysis	6010B		10			622045	10/03/22 13:10	SP	EET SAC
Total/NA	Analysis	D 2216		1			620170	09/26/22 15:18	TCS	EET SAC

Client Sample ID: MHSSF-ENV-D@0.5'

Lab Sample ID: 320-92432-4
Date Collected: 09/21/22 09:30
Matrix: Solid
Date Received: 09/23/22 18:45
Percent Solids: 95.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			00005.03 g	5 mL	620031	09/26/22 11:12	AZ1	EET SAC
Total/NA	Analysis	8260B		1	5 mL	5 mL	620650	09/28/22 16:54	BAJ	EET SAC
Total/NA	Prep	3550B			30.85 g	1 mL	620314	09/27/22 07:34	NGK	EET SAC
Total/NA	Analysis	8270C		20	1 mL	1 mL	620781	09/28/22 16:23	Y1S	EET SAC
Silica Gel Cleanup	Prep	3550B			30.02 g	3 mL	620320	09/27/22 07:45	NGK	EET SAC
Silica Gel Cleanup	Analysis	8015C		100	1 mL	1 mL	620722	09/29/22 02:57	K1D	EET SAC
Total/NA	Prep	3546			15.57 g	5 mL	620354	09/27/22 10:07	SJ	EET SAC
Total/NA	Analysis	8081B		2	1 mL	1 mL	622837	10/06/22 18:21	K1D	EET SAC
Total/NA	Prep	3546			15.57 g	5 mL	620369	09/27/22 10:56	SJ	EET SAC
Total/NA	Analysis	8082A		1	1 mL	1 mL	622170	10/04/22 19:17	K1D	EET SAC
Total/NA	Prep	3060A			2.48 g	100 mL	268311	09/29/22 02:00		EET CAL 4
Total/NA	Analysis	7199		10	4 mL	4 mL	268308	09/29/22 09:19	YO8L	EET CAL 4
Total/NA	Prep	3050B			1.05 g	100 mL	620158	09/26/22 16:00	JP	EET SAC
Total/NA	Analysis	6010B		1			620576	09/27/22 14:10	SP	EET SAC
Total/NA	Prep	7471A			0.63 g	50 mL	621052	09/29/22 12:49	JAP	EET SAC
Total/NA	Analysis	7471A		1			621184	09/29/22 16:17	JAP	EET SAC

Client Sample ID: MHSSF-ENV-E@0.5'

Lab Sample ID: 320-92432-5
Date Collected: 09/21/22 11:00
Matrix: Solid
Date Received: 09/23/22 18:45

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			50.01 g	500 mL	620645	09/28/22 10:45	GSH	EET SAC
STLC Citrate	Analysis	6010B		10			622045	10/03/22 13:22	SP	EET SAC
Total/NA	Analysis	D 2216		1			620170	09/26/22 15:18	TCS	EET SAC

Client Sample ID: MHSSF-ENV-E@0.5'

Lab Sample ID: 320-92432-5
Date Collected: 09/21/22 11:00
Matrix: Solid
Date Received: 09/23/22 18:45
Percent Solids: 94.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			00005.09 g	5 mL	620031	09/26/22 11:12	AZ1	EET SAC
Total/NA	Analysis	8260B		1	5 mL	5 mL	620650	09/28/22 17:16	BAJ	EET SAC
Total/NA	Prep	3550B			30.44 g	1 mL	620314	09/27/22 07:34	NGK	EET SAC
Total/NA	Analysis	8270C		1	1 mL	1 mL	620781	09/28/22 16:48	Y1S	EET SAC

Lab Chronicle

Client: Cleary Consultants, Inc
Project/Site: Mzrina High School

Job ID: 320-92432-1

Client Sample ID: MHSSF-ENV-E@0.5'

Lab Sample ID: 320-92432-5
Date Collected: 09/21/22 11:00
Matrix: Solid
Date Received: 09/23/22 18:45
Percent Solids: 94.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Silica Gel Cleanup	Prep	3550B			30.03 g	3 mL	620320	09/27/22 07:45	NGK	EET SAC
Silica Gel Cleanup	Analysis	8015C		1	1 mL	1 mL	620722	09/29/22 03:25	K1D	EET SAC
Total/NA	Prep	3546			15.35 g	5 mL	620354	09/27/22 10:07	SJ	EET SAC
Total/NA	Analysis	8081B		1	1 mL	1 mL	622837	10/06/22 18:40	K1D	EET SAC
Total/NA	Prep	3546			15.35 g	5 mL	620369	09/27/22 10:56	SJ	EET SAC
Total/NA	Analysis	8082A		1	1 mL	1 mL	622170	10/04/22 19:37	K1D	EET SAC
Total/NA	Prep	3060A			2.49 g	100 mL	268311	09/29/22 02:00		EET CAL 4
Total/NA	Analysis	7199		10	4 mL	4 mL	268308	09/29/22 09:29	YO8L	EET CAL 4
Total/NA	Prep	3050B			1.03 g	100 mL	620158	09/26/22 16:00	JP	EET SAC
Total/NA	Analysis	6010B		1			620576	09/27/22 14:14	SP	EET SAC
Total/NA	Prep	7471A			0.59 g	50 mL	621052	09/29/22 12:49	JAP	EET SAC
Total/NA	Analysis	7471A		1			621184	09/29/22 16:19	JAP	EET SAC

Client Sample ID: MHSSF-ENV-F@0.5'

Lab Sample ID: 320-92432-6
Date Collected: 09/21/22 13:00
Matrix: Solid
Date Received: 09/23/22 18:45

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			50.03 g	500 mL	620645	09/28/22 10:45	GSH	EET SAC
STLC Citrate	Analysis	6010B		10			622045	10/03/22 13:26	SP	EET SAC
Total/NA	Analysis	D 2216		1			620170	09/26/22 15:18	TCS	EET SAC

Client Sample ID: MHSSF-ENV-F@0.5'

Lab Sample ID: 320-92432-6
Date Collected: 09/21/22 13:00
Matrix: Solid
Date Received: 09/23/22 18:45
Percent Solids: 75.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			00005.08 g	5 mL	620031	09/26/22 11:12	AZ1	EET SAC
Total/NA	Analysis	8260B		1	5 mL	5 mL	620650	09/28/22 17:38	BAJ	EET SAC
Total/NA	Prep	3550B			30.57 g	1 mL	620314	09/27/22 07:34	NGK	EET SAC
Total/NA	Analysis	8270C		1	1 mL	1 mL	620781	09/28/22 17:13	Y1S	EET SAC
Silica Gel Cleanup	Prep	3550B			30.23 g	3 mL	620320	09/27/22 07:45	NGK	EET SAC
Silica Gel Cleanup	Analysis	8015C		1	1 mL	1 mL	620722	09/29/22 03:54	K1D	EET SAC
Total/NA	Prep	3546			15.57 g	5 mL	620354	09/27/22 10:07	SJ	EET SAC
Total/NA	Analysis	8081B		1	1 mL	1 mL	622837	10/06/22 19:18	K1D	EET SAC
Total/NA	Prep	3546			15.57 g	5 mL	620369	09/27/22 10:56	SJ	EET SAC
Total/NA	Analysis	8082A		1	1 mL	1 mL	622170	10/04/22 19:58	K1D	EET SAC
Total/NA	Prep	3060A			2.53 g	100 mL	268311	09/29/22 02:00		EET CAL 4
Total/NA	Analysis	7199		10	4 mL	4 mL	268308	09/29/22 09:39	YO8L	EET CAL 4
Total/NA	Prep	3050B			2.04 g	100 mL	620158	09/26/22 16:00	JP	EET SAC
Total/NA	Analysis	6010B		1			620576	09/27/22 14:18	SP	EET SAC
Total/NA	Prep	7471A			0.64 g	50 mL	621052	09/29/22 12:49	JAP	EET SAC
Total/NA	Analysis	7471A		1			621184	09/29/22 16:21	JAP	EET SAC

Lab Chronicle

Client: Cleary Consultants, Inc
Project/Site: Mzrina High School

Job ID: 320-92432-1

Client Sample ID: MHSSF-ENV-G@0.5'

Lab Sample ID: 320-92432-7
Date Collected: 09/22/22 08:00
Matrix: Solid
Date Received: 09/23/22 18:45

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			49.98 g	500 mL	620645	09/28/22 10:45	GSH	EET SAC
STLC Citrate	Analysis	6010B		10			622045	10/03/22 13:30	SP	EET SAC
Total/NA	Analysis	D 2216		1			620170	09/26/22 15:18	TCS	EET SAC

Client Sample ID: MHSSF-ENV-G@0.5'

Lab Sample ID: 320-92432-7
Date Collected: 09/22/22 08:00
Matrix: Solid
Date Received: 09/23/22 18:45
Percent Solids: 79.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			00005.06 g	5 mL	620031	09/26/22 11:12	AZ1	EET SAC
Total/NA	Analysis	8260B		1	5 mL	5 mL	620650	09/28/22 18:00	BAJ	EET SAC
Total/NA	Prep	3550B			30.74 g	1 mL	620314	09/27/22 07:34	NGK	EET SAC
Total/NA	Analysis	8270C		1	1 mL	1 mL	620781	09/28/22 17:38	Y1S	EET SAC
Silica Gel Cleanup	Prep	3550B			30.43 g	3. mL	620320	09/27/22 07:45	NGK	EET SAC
Silica Gel Cleanup	Analysis	8015C		1	1 mL	1 mL	620722	09/29/22 04:22	K1D	EET SAC
Total/NA	Prep	3546			15.06 g	5 mL	620354	09/27/22 10:07	SJ	EET SAC
Total/NA	Analysis	8081B		1	1 mL	1 mL	622837	10/06/22 19:37	K1D	EET SAC
Total/NA	Prep	3546			15.06 g	5 mL	620369	09/27/22 10:56	SJ	EET SAC
Total/NA	Analysis	8082A		1	1 mL	1 mL	622170	10/04/22 20:18	K1D	EET SAC
Total/NA	Prep	3060A			2.52 g	100 mL	268311	09/29/22 02:00		EET CAL 4
Total/NA	Analysis	7199		1	4 mL	4 mL	268308	09/29/22 09:49	YO8L	EET CAL 4
Total/NA	Prep	3050B			1.55 g	100 mL	620158	09/26/22 16:00	JP	EET SAC
Total/NA	Analysis	6010B		1			620576	09/27/22 14:29	SP	EET SAC
Total/NA	Prep	7471A			0.64 g	50 mL	621052	09/29/22 12:49	JAP	EET SAC
Total/NA	Analysis	7471A		1			621184	09/29/22 16:23	JAP	EET SAC

Client Sample ID: MHSSF-ENV-H@0.5'

Lab Sample ID: 320-92432-8
Date Collected: 09/22/22 09:00
Matrix: Solid
Date Received: 09/23/22 18:45

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			49.98 g	500 mL	620645	09/28/22 10:45	GSH	EET SAC
STLC Citrate	Analysis	6010B		10			622045	10/03/22 13:34	SP	EET SAC
Total/NA	Analysis	D 2216		1			620170	09/26/22 15:18	TCS	EET SAC

Client Sample ID: MHSSF-ENV-H@0.5'

Lab Sample ID: 320-92432-8
Date Collected: 09/22/22 09:00
Matrix: Solid
Date Received: 09/23/22 18:45
Percent Solids: 92.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			00005.02 g	5 mL	620031	09/26/22 11:12	AZ1	EET SAC
Total/NA	Analysis	8260B		1	5 mL	5 mL	620650	09/28/22 18:22	BAJ	EET SAC
Total/NA	Prep	3550B			30.86 g	1 mL	620314	09/27/22 07:34	NGK	EET SAC
Total/NA	Analysis	8270C		1	1 mL	1 mL	620781	09/28/22 18:03	Y1S	EET SAC

Lab Chronicle

Client: Cleary Consultants, Inc
Project/Site: Mzrina High School

Job ID: 320-92432-1

Client Sample ID: MHSSF-ENV-H@0.5'

Lab Sample ID: 320-92432-8
Date Collected: 09/22/22 09:00
Matrix: Solid
Date Received: 09/23/22 18:45
Percent Solids: 92.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Silica Gel Cleanup	Prep	3550B			30.04 g	3 mL	620320	09/27/22 07:45	NGK	EET SAC
Silica Gel Cleanup	Analysis	8015C		1	1 mL	1 mL	620722	09/29/22 04:51	K1D	EET SAC
Total/NA	Prep	3546			15.64 g	5 mL	620354	09/27/22 10:07	SJ	EET SAC
Total/NA	Analysis	8081B		1	1 mL	1 mL	622837	10/06/22 19:56	K1D	EET SAC
Total/NA	Prep	3546			15.64 g	5 mL	620369	09/27/22 10:56	SJ	EET SAC
Total/NA	Analysis	8082A		1	1 mL	1 mL	622170	10/04/22 20:39	K1D	EET SAC
Total/NA	Prep	3060A			2.52 g	100 mL	268311	09/29/22 02:00		EET CAL 4
Total/NA	Analysis	7199		1	4 mL	4 mL	268308	09/29/22 09:59	YO8L	EET CAL 4
Total/NA	Prep	3050B			1.02 g	100 mL	620158	09/26/22 16:00	JP	EET SAC
Total/NA	Analysis	6010B		1			620576	09/27/22 14:33	SP	EET SAC
Total/NA	Prep	7471A			0.64 g	50 mL	621052	09/29/22 12:49	JAP	EET SAC
Total/NA	Analysis	7471A		1			621184	09/29/22 16:24	JAP	EET SAC

Client Sample ID: MHSSF-ENV-I@0.5'

Lab Sample ID: 320-92432-9
Date Collected: 09/22/22 11:00
Matrix: Solid
Date Received: 09/23/22 18:45

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			50.02 g	500 mL	620645	09/28/22 10:45	GSH	EET SAC
STLC Citrate	Analysis	6010B		10			622045	10/03/22 13:38	SP	EET SAC
Total/NA	Analysis	D 2216		1			620170	09/26/22 15:18	TCS	EET SAC

Client Sample ID: MHSSF-ENV-I@0.5'

Lab Sample ID: 320-92432-9
Date Collected: 09/22/22 11:00
Matrix: Solid
Date Received: 09/23/22 18:45
Percent Solids: 90.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			00005.08 g	5 mL	620031	09/26/22 11:12	AZ1	EET SAC
Total/NA	Analysis	8260B		1	5 mL	5 mL	620650	09/28/22 18:44	BAJ	EET SAC
Total/NA	Prep	3550B			30.77 g	1 mL	620314	09/27/22 07:34	NGK	EET SAC
Total/NA	Analysis	8270C		1	1 mL	1 mL	620781	09/28/22 18:27	Y1S	EET SAC
Silica Gel Cleanup	Prep	3550B			30.61 g	3 mL	620320	09/27/22 07:45	NGK	EET SAC
Silica Gel Cleanup	Analysis	8015C		1	1 mL	1 mL	620722	09/29/22 05:19	K1D	EET SAC
Total/NA	Prep	3546			15.02 g	5 mL	620354	09/27/22 10:07	SJ	EET SAC
Total/NA	Analysis	8081B		1	1 mL	1 mL	622837	10/06/22 20:14	K1D	EET SAC
Total/NA	Prep	3546			15.02 g	5 mL	620369	09/27/22 10:56	SJ	EET SAC
Total/NA	Analysis	8082A		1	1 mL	1 mL	622170	10/04/22 21:00	K1D	EET SAC
Total/NA	Prep	3060A			2.48 g	100 mL	268311	09/29/22 02:00		EET CAL 4
Total/NA	Analysis	7199		10	4 mL	4 mL	268308	09/29/22 10:08	YO8L	EET CAL 4
Total/NA	Prep	3050B			1.02 g	100 mL	620158	09/26/22 16:00	JP	EET SAC
Total/NA	Analysis	6010B		1			620576	09/27/22 14:37	SP	EET SAC
Total/NA	Prep	7471A			0.58 g	50 mL	620230	09/27/22 11:43	JAP	EET SAC
Total/NA	Analysis	7471A		1			620585	09/27/22 15:15	JAP	EET SAC

Lab Chronicle

Client: Cleary Consultants, Inc
Project/Site: Mzrina High School

Job ID: 320-92432-1

Client Sample ID: MHSSF-ENV-J@0.5'

Lab Sample ID: 320-92432-10
Date Collected: 09/22/22 12:00
Matrix: Solid
Date Received: 09/23/22 18:45

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			50.05 g	500 mL	620645	09/28/22 10:45	GSH	EET SAC
STLC Citrate	Analysis	6010B		10			622045	10/03/22 13:42	SP	EET SAC
Total/NA	Analysis	D 2216		1			620170	09/26/22 15:18	TCS	EET SAC

Client Sample ID: MHSSF-ENV-J@0.5'

Lab Sample ID: 320-92432-10
Date Collected: 09/22/22 12:00
Matrix: Solid
Date Received: 09/23/22 18:45
Percent Solids: 98.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			00005.05 g	5 mL	620031	09/26/22 11:12	AZ1	EET SAC
Total/NA	Analysis	8260B		1	5 mL	5 mL	620650	09/28/22 19:06	BAJ	EET SAC
Total/NA	Prep	3550B			30.52 g	1 mL	620314	09/27/22 07:34	NGK	EET SAC
Total/NA	Analysis	8270C		1	1 mL	1 mL	620781	09/28/22 18:52	Y1S	EET SAC
Silica Gel Cleanup	Prep	3550B			30.29 g	3 mL	620320	09/27/22 07:45	NGK	EET SAC
Silica Gel Cleanup	Analysis	8015C		1	1 mL	1 mL	620722	09/29/22 05:48	K1D	EET SAC
Total/NA	Prep	3546			15.96 g	5 mL	620354	09/27/22 10:07	SJ	EET SAC
Total/NA	Analysis	8081B		1	1 mL	1 mL	622837	10/06/22 20:33	K1D	EET SAC
Total/NA	Prep	3546			15.96 g	5 mL	620369	09/27/22 10:56	SJ	EET SAC
Total/NA	Analysis	8082A		1	1 mL	1 mL	622170	10/04/22 21:20	K1D	EET SAC
Total/NA	Prep	3060A			2.49 g	100 mL	268311	09/29/22 02:00		EET CAL 4
Total/NA	Analysis	7199		10	4 mL	4 mL	268308	09/29/22 10:18	YO8L	EET CAL 4
Total/NA	Prep	3050B			1.05 g	100 mL	620158	09/26/22 16:00	JP	EET SAC
Total/NA	Analysis	6010B		1			620576	09/27/22 14:40	SP	EET SAC
Total/NA	Prep	7471A			0.62 g	50 mL	620230	09/27/22 11:43	JAP	EET SAC
Total/NA	Analysis	7471A		1			620585	09/27/22 15:20	JAP	EET SAC

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

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

Accreditation/Certification Summary

Client: Cleary Consultants, Inc
Project/Site: Mzrina High School

Job ID: 320-92432-1

Laboratory: Eurofins 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	01-31-23

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
8081B	3546	Solid	cis-Chlordane
8081B	3546	Solid	trans-Chlordane
8260B	5030B	Solid	1,1,2-Trichloro-1,2,2-trifluoroethane
8260B	5030B	Solid	1,1-Dichloropropene
8260B	5030B	Solid	1,2,3-Trichlorobenzene
8260B	5030B	Solid	1,2,4-Trimethylbenzene
8260B	5030B	Solid	1,2-Dibromo-3-Chloropropane
8260B	5030B	Solid	1,3,5-Trimethylbenzene
8260B	5030B	Solid	1,3-Dichloropropane
8260B	5030B	Solid	2,2-Dichloropropane
8260B	5030B	Solid	2-Butanone (MEK)
8260B	5030B	Solid	2-Chlorotoluene
8260B	5030B	Solid	2-Hexanone
8260B	5030B	Solid	4-Isopropyltoluene
8260B	5030B	Solid	Acetone
8260B	5030B	Solid	Isopropylbenzene
8260B	5030B	Solid	Vinyl acetate
8260B	5030B	Solid	Xylenes, Total
8270C	3550B	Solid	1,2,4-Trichlorobenzene
8270C	3550B	Solid	2,4,5-Trichlorophenol
8270C	3550B	Solid	2,4,6-Trichlorophenol
8270C	3550B	Solid	2-Methyl-4,6-dinitrophenol
8270C	3550B	Solid	2-Methylphenol
8270C	3550B	Solid	3-Methylphenol & 4-Methylphenol
8270C	3550B	Solid	Azobenzene
8270C	3550B	Solid	Hexachlorobenzene
8270C	3550B	Solid	Hexachlorobutadiene
8270C	3550B	Solid	Hexachlorocyclopentadiene
8270C	3550B	Solid	Hexachloroethane
8270C	3550B	Solid	Phenanthrene
8270C	3550B	Solid	Phenol
8270C	3550B	Solid	Pyrene
8270C	3550B	Solid	Pyridine
D 2216		Solid	Percent Moisture

Laboratory: Eurofins Calscience

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

Authority	Program	Identification Number	Expiration Date
California	State	3082	07-31-23

Method Summary

Client: Cleary Consultants, Inc
Project/Site: Mzrina High School

Job ID: 320-92432-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	EET SAC
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	EET SAC
8015C	Diesel Range Organics (DRO) (GC)	EPA	EET SAC
8081B	Organochlorine Pesticides (GC)	SW846	EET SAC
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET SAC
7199	Chromium, Hexavalent (IC)	SW846	EET CAL 4
6010B	Metals (ICP)	SW846	EET SAC
7471A	Mercury (CVAA)	SW846	EET SAC
D 2216	Percent Moisture	ASTM	EET SAC
3050B	Preparation, Metals	SW846	EET SAC
3060A	Alkaline Digestion (Chromium, Hexavalent)	SW846	EET CAL 4
3546	Microwave Extraction	SW846	EET SAC
3550B	Ultrasonic Extraction	SW846	EET SAC
5030B	Purge and Trap	SW846	EET SAC
7471A	Preparation, Mercury	SW846	EET SAC
CA WET Citrate	California - Waste Extraction Test with Citrate Leach	CA-WET	EET SAC

Protocol References:

ASTM = ASTM International
CA-WET = California Waste Extraction Test, from Title 22
EPA = US Environmental Protection Agency
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494
EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Sample Summary

Client: Cleary Consultants, Inc
Project/Site: Mzrina High School

Job ID: 320-92432-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
320-92432-1	MHSSF-ENV-A@0.5'	Solid	09/20/22 10:00	09/23/22 18:45
320-92432-2	MHSSF-ENV-B@0.5'	Solid	09/20/22 13:00	09/23/22 18:45
320-92432-3	MHSSF-ENV-C@0.5'	Solid	09/20/22 15:00	09/23/22 18:45
320-92432-4	MHSSF-ENV-D@0.5'	Solid	09/21/22 09:30	09/23/22 18:45
320-92432-5	MHSSF-ENV-E@0.5'	Solid	09/21/22 11:00	09/23/22 18:45
320-92432-6	MHSSF-ENV-F@0.5'	Solid	09/21/22 13:00	09/23/22 18:45
320-92432-7	MHSSF-ENV-G@0.5'	Solid	09/22/22 08:00	09/23/22 18:45
320-92432-8	MHSSF-ENV-H@0.5'	Solid	09/22/22 09:00	09/23/22 18:45
320-92432-9	MHSSF-ENV-I@0.5'	Solid	09/22/22 11:00	09/23/22 18:45
320-92432-10	MHSSF-ENV-J@0.5'	Solid	09/22/22 12:00	09/23/22 18:45

#203424

320-92432 Chain of Custody

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

Reference #: _____

Date 9/22/2022 Page 1 of 2

Report To

Attn: Grant Foster
Company: Cleary Consultants, Inc.
Address: 560 Division Street, Campbell, CA 95008
Phone: 650-948-0574 Email: grant.foster@clearyconsultantsinc.com
Bill To: Cleary Consultants
Sampled By: Dustin Lettenberger
Attn: Accounts Payable
Phone: 948-0574

Analysis Request

Sample ID	Date	Time	Matrix	Pres.	TPH EPA - ☐ 8015/8021 ☒ 8260B ☒ Gas w/ ☒ BTEX ☒ MTBE	Purgeable Aromatics BTEX EPA - ☐ 8021 ☐ 8260B	TEPH EPA 8015M* ☒ Silica Gel ☒ Diesel ☒ Motor Oil ☐ Other ___	Fuel Tests EPA 8260B: ☐ Gas ☐ BTEX ☐ Five Oxyenates ☐ DCA, EDB ☐ Ethanol	Purgeable Halocarbons (HVOCs) EPA 8021 by 8260B	Volatile Organics GC/MS (VOCs) ☒ EPA 8260B ☐ 624	Semivolatiles GC/MS ☒ EPA 8270 ☐ 625	Oil and Grease ☐ Petroleum ☐ Total (EPA 1664)	Pesticides ☒ EPA 8081 ☐ 608 PCBs ☒ EPA 8082 ☐ 608	PNAs by ☐ 8270 ☐ 8310	CAM17 Metals (EPA 6010/7470/7471)	Metals: ☐ Lead ☐ LUFT ☐ RCRA ☒ Other: Chromium VI	Low Level Metals by EPA 200.8/6020 (ICP-MS): EPA 7199	W.E.T (STLC) ☐ TCLP ☐	Hexavalent Chromium ☐ pH (24h hold time for H_2O)	Spec Cond. ☐ Alkalinity ☐ TSS ☐ TDS ☐	Anions : ☐ Cl ☐ SO_4 ☐ NO_3 ☐ F ☐ Br ☐ NO_2 ☐ PO_4	STLC Extractable Hold (All Others)	Asbestos CARB 435A	Arsenic and Chromium - STLC	Run as Composite	Number of Containers
MHSSF-ENV-A@0.5'	9/20/22	10:00 am	Soil	Ice	X		X			X	X		X		X	X							X	X		3
MHSSF-ENV-B@0.5'	↓	1:00 pm	↓	↓	↓		↓			↓	↓		↓		↓	↓							↓	↓		3
MHSSF-ENV-C@0.5'	↓	3:00 pm	↓	↓	↓		↓			↓	↓		↓		↓	↓							↓	↓		3
MHSSF-ENV-D@0.5'	9/21/22	9:30 am	↓	↓	↓		↓			↓	↓		↓		↓	↓							↓	↓		3
MHSSF-ENV-E@0.5'	↓	11:00 am	↓	↓	↓		↓			↓	↓		↓		↓	↓							↓	↓		3
MHSSF-ENV-F@0.5'	↓	1:00 pm	↓	↓	↓		↓			↓	↓		↓		↓	↓							↓	↓		3
MHSSF-ENV-G@0.5'	9/22/22	8:00 am	↓	↓	↓		↓			↓	↓		↓		↓	↓							↓	↓		3
MHSSF-ENV-H@0.5'	↓	9:00 am	↓	↓	↓		↓			↓	↓		↓		↓	↓							↓	↓		3
						PLEASE RUN ALL SAMPLES ON A DRY WEIGHT BASIS																				

Project Info.

Project Name: **
Project#: 1414.4
PO#: See Project #
Credit Card#:

Sample Receipt

of Containers: 30
Head Space:
Temp:
Conforms to record:

TAT: (5 Day) 72h 48h 24h Other:

Report: ☐ Routine ☐ Level 3 ☐ Level 4 ☐ EDD ☐ State Tank Fund EDF

Special Instructions / Comments: ☐ Global ID _____

**MARINA HIGH SCHOOL - MULTI-SPORTS SYNTHETIC TURF FIELD

See Terms and Conditions on reverse
TestAmerica SF reports 8016M from C_8-C_{24} (industry norm). Default for 8015B is C_{10}-C_{28}

1) Relinquished by:	2) Relinquished by:	3) Relinquished by:
Signature: [signature] Time: 10:27Am	Signature: [signature] Time: 18:45	Signature: Time:
Printed Name: Dustin Lettenberger Date: 9/23/22	Printed Name: A. Fish Date: 9/23/22	Printed Name: Date:
Company: Cleary Consultants, Inc.	Company: SS	Company:

1) Received by:	2) Received by:	3) Received by:
Signature: [signature] Time: 10-27	Signature: [signature] Time: 18:45	Signature: Time:
Printed Name: Jesse Reeves Date: 9/23/22	Printed Name: Nicholas Cahill Date: 9-23-22	Printed Name: Date:
Company: SJ	Company: EETSAC 1.5C	Company:

Rev02/09

1.4C°

#203424

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

Reference #: _____

Date 9/22/2022 Page 2 of 2

Report To

Attn: Grant Foster
Company: Cleary Consultants, Inc.
Address: 560 Division Street, Campbell, CA 95008
Phone: 650-948-0574 Email: grant foster@clearyconsultantsinc.com
Bill To: Cleary Consultants Sampled By: Dustin Lettenberger
Attn: Accounts Payable Phone: 948-0574

Analysis Request

Sample ID	Date	Time	Matrix	Preserv.	TPH EPA - ☐ 8015/8021 ☒ 8260B ☒ Gas w/ ☒ BTEX ☒ MTBE	Purgeable Aromatics BTEX EPA - ☐ 8021 ☐ 8260B	TEPH EPA 8015M* ☒ Silica Gel ☒ Diesel ☒ Motor Oil ☐ Other ___	Fuel Tests EPA 8260B: ☐ Gas ☐ BTEX ☐ Five Oxyenates ☐ DCA, EDB ☐ Ethanol	Purgeable Halocarbons (HVOCs) EPA 8021 by 8260B	Volatile Organics GC/MS (VOCs) ☒ EPA 8260B ☐ 624	Semivolatiles GC/MS ☒ EPA 8270 ☐ 625	Oil and Grease ☐ Petroleum ☐ Total (EPA 1664)	Pesticides ☒ EPA 8081 ☐ 608 PCBs ☒ EPA 8082 ☐ 608	PNAs by ☐ 8270 ☐ 8310	CAM17 Metals (EPA 6010/7470/7471)	Metals: ☐ Lead ☐ LUFT ☐ RCRA ☒ Other: Chromium VI	Low Level Metals by EPA 200.8/6020 (ICP-MS): EPA 7199	☐ W.E.T (STLC) ☐ TCLP	☐ Hexavalent Chromium ☐ pH (24h hold time for H_2O)	☐ Spec Cond. ☐ Alkalinity ☐ TSS ☐ TDS ☐	Anions: ☐ Cl ☐ SO_4 ☐ NO_3 ☐ F ☐ Br ☐ NO_2 ☐ PO_4	STLC Extractable Hold (All Others)	Asbestos CARB 435A Arsenic and Chromium - STLC	Run as Composite	Number of Containers
MHSSF-ENV-I@0.5'	9/22/22	11:00 am	Soil	Ice	X		X			X	X		X		X	X							X	X	X		3
MHSSF-ENV-J@0.5'	↓	12:00 pm	↓	↓	↓		↓			↓	↓		↓		↓	↓							↓	↓	↓		3

PLEASE RUN ALL SAMPLES ON A DRY WEIGHT BASIS

Project Info.

Project Name: **
Project#: 1414.4
PO#: See Project #
Credit Card#:

TAT: (5 Day) 72h 48h 24h Other:

Report: ☐ Routine ☐ Level 3 ☐ Level 4 ☐ EDD ☐ State Tank Fund EDF

Special Instructions / Comments: ☐ Global ID _____

**MARINA HIGH SCHOOL - MULTI-SPORTS SYNTHETIC TURF FIELD

See Terms and Conditions on reverse

*TestAmerica SF reports 8015M from C_8-C_{24} (industry norm). Default for 8015B is C_{10}-C_{28}

Sample Receipt

of Containers: 30
Head Space:
Temp:
Conforms to record:

1) Relinquished by:	2) Relinquished by:	3) Relinquished by:
Signature: [signature] Time: 10:27 Am	Signature: [signature] Time: 18:45	Signature: Time:
Printed Name: Dustin Lettenberger Date: 9/23/22	Printed Name: A. Fisher Date: 9/23/22	Printed Name: Date:
Company: Cleary Consultants, Inc.	Company: SC	Company:

1) Received by:	2) Received by:	3) Received by:
Signature: [signature] Time: 10:27	Signature: [signature] Time: 18:45	Signature: Time:
Printed Name: SJ Date: 9/23/22	Printed Name: Nicholas Cahill Date: 9-23-22	Printed Name: Date:
Company: SJ	Company: EETSAC 1.5c	Company:

1.4c°

Rev02/09

Page 103 of 111

10/7/2022

EUROFINS TESTAMERICA W SACRAMENTO
880 RIVERSIDE PARKWAY

WEST SACRAMENTO, CA 95605
UNITED STATES US

CAD: 852262/CAFE3616

BILL SENDER

TO EUROFINS ENV. TESTING SOUTHWEST
SAMPLE RECEIVING
2841 DOW AVE
SUITE 100
TUSTIN CA 92780
(949) 261-1022
DEPT SUB WORK

REF: SEND OUTS

FedE
Expre

2 of 2
MPS# 0263 4895 5418 9875
Mstr# 4895 5418 9864

0261

TUE - 27 SEP 10:3(
PRIORITY OVERNIGH

92 DTHA

9278
CA-US SN

1505364

Custody Seal

DATE 9-26-2

SIGNATURE

eurofins | Environment Testing TestAmerica

320-92432 Waybill

EUROFINS TESTAMERICA W SACRAMENTO
880 RIVERSIDE PARKWAY
WEST SACRAMENTO, CA 95605
UNITED STATES US

CAD: 852262/CAFE3616
BILL SENDER

TO EUROFINS ENV. TESTING SOUTHWEST
SAMPLE RECEIVING
2841 DOW AVE
SUITE 100
TUSTIN CA 92780
(949) 261-1022
DEPT SUB WORK

REF: SEND OUTS

FedE
Expre

2 of 2
MPS# 0263 4895 5418 9875
Mstr# 4895 5418 9864

TUE - 27 SEP 10:3(
PRIORITY OVERNIGH

0201

92 DTHA

9278
CA-US SN

1505364

Custody Seal 9-26-2
DATE
SIGNATURE

eurofins | Environment Testing TestAmerica

320-92432 Waybill

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

Chain of Custody Record

eurofins

Client Information (Sub Contract Lab)	Sampler	Lab PM: Salimpour Afsaneh F	Carrier Tracking No(s):	COC No: 320-285306 1
Client Contact: Shipping/Receiving	Phone	E-Mail: Afsaneh Salimpour@et.eurofinsus com	State of Origin: California	Page: Page 1 of 2
Company: Eurofins Environment Testing Southwest,		Accreditations Required (See note): State - California, State Program - California		Job #: 320-92432-1
Address: 2841 Dow Avenue Suite 100	Due Date Requested: 9/26/2022			
City: Tustin	TAT Requested (days):			
State, Zip: CA 92780				
Phone: 714-895-5494(Tel)	PO #:			
Email:	WO #:			
Project Name: Mzrina High School	Project #: 32016777			
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, Y Trizma, 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)	7199_ORGFM/3060A_IC Hexavalent Chromium	Total Number of containers	Special Instructions/Note
			Preservation Code:						
MHSSF-ENV-A@0 5' (320-92432-1)	9/20/22	10 00 Pacific		Solid			X	2	
MHSSF-ENV-B@0 5' (320-92432-2)	9/20/22	13 00 Pacific		Solid			X	2	
MHSSF-ENV-C@0 5' (320-92432-3)	9/20/22	15 00 Pacific		Solid			X	2	
MHSSF-ENV-D@0 5' (320-92432-4)	9/21/22	09 30 Pacific		Solid			X	2	
MHSSF-ENV-E@0 5' (320-92432-5)	9/21/22	11 00 Pacific		Solid			X	2	
MHSSF-ENV-F@0 5' (320-92432-6)	9/21/22	13 00 Pacific		Solid			X	2	
MHSSF-ENV-G@0 5' (320-92432-7)	9/22/22	08 00 Pacific		Solid			X	2	
MHSSF-ENV-H@0 5' (320-92432-8)	9/22/22	09 00 Pacific		Solid			X	2	
MHSSF-ENV-I@0 5' (320-92432-9)	9/22/22	11 00 Pacific		Solid			X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northern California LLC 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 Environment Testing Northern California LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Environment Testing Northern California LLC attention immediately If all requested accreditations are current to date return the signed Chain of Custody attesting to said complicance to Eurofins Environment Testing Northern California LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *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
	[signature]	9-26-22/16:30	EETSA	[signature]	9/27/22 0945	
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks: 2.4/2.6 SG2

Ver: 06/08/2021

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

Chain of Custody Record

eurofins

Client Information (Sub Contract Lab)	Sampler	Lab PM: Salimpour Afsaneh F	Carrier Tracking No(s)	COC No: 320-285306 2
Client Contact: Shipping/Receiving	Phone:	E-Mail: Afsaneh.Salimpour@et.eurofinsus com	State of Origin: California	Page: Page 2 of 2
Company: Eurofins Environment Testing Southwest,		Accreditations Required (See note): State - California State Program - California		Job #: 320-92432-1
Address: 2841 Dow Avenue Suite 100	Due Date Requested: 9/26/2022			
City: Tustin	TAT Requested (days):			
State, Zip: CA, 92780				
Phone: 714-895-5494(Tel)	PO #:			
Email	WO #:			
Project Name: Mzrina High School	Project #: 32016777			
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, Y Trizma, 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)	7199_ORGFM/3060A_IC Hexavalent Chromium	Total Number of containers	Special Instructions/Note
			Preservation Code:						
MHSSF-ENV-J@0 5' (320-92432-10)	9/22/22	12 00 Pacific		Solid			X	2	

Note: Since laboratory accreditations are subject to change Eurofins Environment Testing Northern California LLC 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 Environment Testing Northern California LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Environment Testing Northern California LLC attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins Environment Testing Northern California LLC.

Possible Hazard Identification	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)***
Unconfirmed	☐ *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
[signature]	9-28-22/16:30	EETSAC	[signature]	9/23/22 0945	ET
Relinquished by:	Date/Time	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks. 2-6/2-6 SW

Ver: 06/08/2021

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

Chain of Custody Record

eurofins

Client Information (Sub Contract Lab)	Sampler	Lab PM: Salimpour Afsaneh F	Carrier Tracking No(s)	COC No: 320-285306 1
Client Contact: Shipping/Receiving	Phone	E-Mail: Afsaneh Salimpour@et.eurofinsus com	State of Origin: California	Page: Page 1 of 2
Company: Eurofins Environment Testing Southwest,		Accreditations Required (See note): State - California State Program - California		Job #: 320-92432-1
Address: 2841 Dow Avenue Suite 100	Due Date Requested: 9/26/2022			
City: Tustin	TAT Requested (days)			
State, Zip: CA, 92780				
Phone: 714-895-5494(Tel)	PO #:			
Email:	WO #:			
Project Name: Mzrina High School	Project #: 32016777			
Site:	SSOW#:			

Analysis Requested

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)	7199_ORGFM/3060A_IC Hexavalent Chromium	Total Number of containers	Special Instructions/Note
			Preservation Code:						
MHSSF-ENV-A@0 5' (320-92432-1)	9/20/22	10 00 Pacific		Solid			X	2	
MHSSF-ENV-B@0.5' (320-92432-2)	9/20/22	13 00 Pacific		Solid			X	2	
MHSSF-ENV-C@0.5' (320-92432-3)	9/20/22	15 00 Pacific		Solid			X	2	
MHSSF-ENV-D@0 5' (320-92432-4)	9/21/22	09.30 Pacific		Solid			X	2	
MHSSF-ENV-E@0 5' (320-92432-5)	9/21/22	11 00 Pacific		Solid			X	2	
MHSSF-ENV-F@0 5' (320-92432-6)	9/21/22	13 00 Pacific		Solid			X	2	
MHSSF-ENV-G@0 5' (320-92432-7)	9/22/22	08 00 Pacific		Solid			X	2	
MHSSF-ENV-H@0 5' (320-92432-8)	9/22/22	09 00 Pacific		Solid			X	2	
MHSSF-ENV-I@0 5 (320-92432-9)	9/22/22	11 00 Pacific		Solid			X	2	

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, Y Trizma, Z other (specify)

Other:

Note: Since laboratory accreditations are subject to change Eurofins Environment Testing Northern California, LLC 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 Environment Testing Northern California LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Environment Testing Northern California LLC attention immediately If all requested accreditations are current to date return the signed Chain of Custody attesting to said complicance to Eurofins Environment Testing Northern California LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ 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	[signature]	9-26-22/16:30	EETSA	[signature]	9/27/22 0945	CR
2						
3						

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks: 2.4/2.6 SG2

Ver: 06/08/2021

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

Chain of Custody Record

eurofins

Client Information (Sub Contract Lab)	Sampler	Lab PM: Salimpour Afsaneh F	Carrier Tracking No(s):	COC No: 320-285306 2
Client Contact: Shipping/Receiving	Phone:	E-Mail: Afsaneh Salimpour@et.eurofinsus com	State of Origin: California	Page: Page 2 of 2
Company: Eurofins Environment Testing Southwest,		Accreditations Required (See note): State - California State Program - California		Job #: 320-92432-1
Address: 2841 Dow Avenue Suite 100, ,	Due Date Requested: 9/26/2022			
City: Tustin	TAT Requested (days):			
State, Zip: CA 92780				
Phone: 714-895-5494(Tel)	PO #:			
Email:	WO #:			
Project Name: Mzrina High School	Project #: 32016777			
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, Y Trizma, 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)	7199_ORGFM/3060A_IC Hexavalent Chromium	Total Number of containers	Special Instructions/Note
			Preservation Code:						
MHSSF-ENV-J@0 5' (320-92432-10)	9/22/22	12 00 Pacific		Solid			X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northern California LLC 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 Environment Testing Northern California LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Environment Testing Northern California LLC attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins Environment Testing Northern California LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ 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:

	Date/Time	Company	Received by	Date/Time	Company
Relinquished by:	9-26-22/16:30	EETSAC		9/23/22 0945	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time.	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks: 2-6/2-6 SCR

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Cleary Consultants, Inc

Job Number: 320-92432-1

Login Number: 92432
List Number: 1
Creator: Cahill, Nicholas P

List Source: Eurofins 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	
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.	False	Refer to Job Narrative for details.
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: Cleary Consultants, Inc

Job Number: 320-92432-1

Login Number: 92432
List Number: 2
Creator: Ornelas, Olga

List Source: Eurofins Calscience
List Creation: 09/27/22 02:45 PM

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.	True	
Sample custody seals, if present, are intact.	N/A	Not Present
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?	N/A	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	