Appendix E-2

Phase II Subsurface Investigation Report

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PHASE II SUBSURFACE INVESTIGATION REPORT

Ramona Avenue Property

APNs 079-0281-018 and -020 Ramona Avenue and Cucamonga Avenue
Sacramento, California 95826

Report Date

November 21, 2024

Partner Project No.

23-431712.1

Prepared for:

Ramona Opportunity, LLC
525 West Alluvial Avenue, Suite A
Fresno, California 93711

PARTNER

November 21, 2024

Elizabeth Rojo
Ramona Opportunity, LLC
525 West Alluvial Avenue, Suite A
Fresno, California 93711

Subject: Phase II Subsurface Investigation Report
Ramona Avenue Property
APNs 079-0281-018 and -020 Ramona Avenue and Cucamonga Avenue
Sacramento, California 95826
Partner Project No. 24-431712.1

Dear Ms. Rojo:

Partner Engineering and Science, Inc. (Partner) is pleased to provide the results of the assessment performed at the above-referenced property. The following report describes the field activities, methods, and findings of the Phase II Subsurface Investigation conducted at the above-referenced property.

This assessment was performed consistent with acceptable industry standards. The independent conclusions represent Partner's best professional judgment based upon existing conditions and the information and data available to us during the course of this assignment.

We appreciate the opportunity to provide these services. If you have any questions concerning this report, or if we can assist you in any other matter, please contact Cody Taylor at 702-365-5414.

Sincerely,

Partner Engineering and Science, Inc.

Patrick Owen
Staff Geologist

Hunter White
Senior Project Manager

Cody Taylor
Relationship Manager

Joe Mangine, PG
Senior Project Manager

PROFESSIONAL GEOLOGIST
JOSEPH C. MANGINE
No. 8423
STATE OF CALIFORNIA

TABLE OF CONTENTS

The following Figures, Tables, and Appendices are attached at the end of this report.

1.0 INTRODUCTION

1.1 Purpose

The purpose of the investigation was to evaluate the potential impact of petroleum hydrocarbons, methane, hydrogen sulfide, metals, and/or volatile organic compounds (VOCs) to soil gas and/or soil as a consequence of a release or releases from the former off-site landfill and on-site stockpiled soil that was generated from an unknown source. Ramona Opportunity, LLC provided project authorization of Partner Proposal Number P23-431712.1.

1.2 Limitations

This report presents a summary of work conducted by Partner. The work includes observations of site conditions encountered and the analytical results provided by an independent third-party laboratory of samples collected during the course of the project. The number and location of samples were selected to provide the required information. It cannot be assumed that the limited available data are representative of subsurface conditions in areas not sampled.

Conclusions and/or recommendations are based on the observations, laboratory analyses, and the governing regulations. Conclusions and/or recommendations beyond those stated and reported herein should not be inferred from this document.

Partner warrants that the environmental consulting services contained herein were accomplished in accordance with generally accepted practices in the environmental engineering, geology, and hydrogeology fields that existed at the time and location of work. No other warranties are implied or expressed.

1.3 User Reliance

Partner was engaged by Ramona Opportunity, LLC (the Addressee), or their authorized representative, to perform this investigation. The engagement agreement specifically states the scope and purpose of the investigation, as well as the contractual obligations and limitations of both parties. This report and the information therein, are for the exclusive use of the Addressee. This report has no other purpose and may not be relied upon, or used, by any other person or entity without the written consent of Partner. Third parties that obtain this report, or the information therein, shall have no rights of recourse or recovery against Partner, its officers, employees, vendors, successors or assigns. Any such unauthorized user shall be responsible to protect, indemnify and hold Partner, the Addressee and their respective officers, employees, vendors, successors and assigns harmless from any and all claims, damages, losses, liabilities, expenses (including reasonable attorneys' fees) and costs attributable to such use. Unauthorized use of this report shall constitute acceptance of, and commitment to, these responsibilities, which shall be irrevocable and shall apply regardless of the cause of action or legal theory pled or asserted.

This report has been completed under specific Terms and Conditions relating to scope, relying parties, limitations of liability, indemnification, dispute resolution, and other factors relevant to any reliance on this report. Any parties relying on this report do so having accepted Partner's standard Terms and Conditions, a copy of which can be found at http://www.partneresi.com/terms-and-conditions.php.

2.0 SITE BACKGROUND

2.1 Site Description

The subject property consists of two parcels of land comprising 7.8 acres located on the southwest side of Ramona Avenue within a mixed commercial and industrial area of Sacramento, Sacramento County, California. The subject property is currently vacant land.

The subject property is bound by an industrial property (Northwest Pallets) to the north, Ramona Avenue to the east, an industrial property (WM – Sacramento Recycle America) to the south, and a railroad to the west. Refer to Figure 1 for a site vicinity map showing site features and surrounding properties.

2.2 Site History

Partner was provided with a Brusca Associates Inc. (BAI) Phase I Environmental Site Assessment Report (Phase I) for the subject property, dated March 8, 2022, on behalf of Jackson Properties, Inc. According to BAI, the subject property was previously "farmland and a small structure (a rural residence or outbuilding) as early as the 1930s. It appears that farming continued on the property until the late 1970s or early 1980s when the site was cleared/graded. Thereafter, property reported was used for the storage of wood chip transport trailers for a number of years. The property apparently has been unused for the last several years."

The following recognized environmental condition (REC) was identified in the BAI Phase I:

- "Landfill gas impacts, including methane, are known to be associated with the 14th Avenue Landfill southerly of the subject property. The "West Pit" of the 14th Avenue Landfill is situated within about 250 feet southwesterly of the subject property. Landfill gas monitoring at the wells northerly of the 14th Avenue Landfill has generally not revealed evidence of elevated concentrations of landfill gas contaminants, including methane extending significant distances to the north of the landfill. However, we note that monitoring locations and data to the north of the landfill are somewhat limited. We also note that recent monitoring to the west of the West Pit of the 14th Avenue Landfill has revealed previously unidentified unacceptable methane conditions (suggesting that the overall monitoring program for the landfill facility may not be sufficiently comprehensive or protective). Considering the available information, the potential for unacceptable landfill gas impacts beneath the subject property attributable to the 14th Avenue Landfill is considered somewhat low; however, the possibility of such impacts is not ruled out by the available information. Additionally, local planning/building documentation includes requirements for landfill gas protection measures for developments within 1,000 feet of the landfill. These measures include landfill gas mitigation membrane and venting systems beneath new buildings, as well as the installation of automatic methane sensors and periodic methane monitoring." "A few small soil mounds were observed onsite (primarily within the northwesterly portion of the property), and a larger linear stockpile of soil is situated on the south-central portion of the property. Additionally, a number of piles of apparent broken/ground pavement materials were observed on the southerly portion of the property. Our research (including discussions with the property owner) has not revealed the origin the onsite fill piles; as such, there is some uncertainty regarding the environmental nature of these materials. The lack of information regarding the onsite fill materials is considered a data gap."

2.3 Geology and Hydrogeology

Review of the United States Geological Survey (USGS) *Sacramento East, California* Quadrangle topographic map indicates the subject property is situated approximately 58 feet above mean sea level, and the local topography is sloping gently to the south. Refer to Figure 2 for a topographic map of the site vicinity.

The subject property is situated within the Sacramento Valley in the Great Valley geomorphic province of California. The valley was formed by tilting of the Sierran Block with the western side dropping to form the valley and the eastern side uplifting to form the Sierra Nevada. The valley is characterized by a thick sequence of sediments derived from erosion of the adjacent Sierra Nevada to the east and the Coast Ranges to the west. These sedimentary rocks are mainly Cretaceous in age. The depth of the sediments varies from a thin veneer at the edges of the valley to depths in excess of 50,000 feet near the western edge of the valley. Mapping by the California Geological Survey indicates that deposits in the vicinity of the subject property are identified as Quaternary alluvium.

Groundwater was not encountered during this investigation and was not a part of the scope of work. Based on available information from the State Water Resources Control Board (SWRCB) Geotracker website for a leaking underground storage tank (LUST) site (facility identification number T0606701132) located approximately 20 feet to the northwest of the subject property, groundwater in the site vicinity is anticipated to be first encountered at a depth greater than 50 feet below ground surface (bgs).

3.0 FIELD ACTIVITIES

The Phase II Subsurface Investigation scope included the advancement of eight borings (B1 through B8) to collect representative soil gas samples. Additionally, four grab soil samples (NSP-NW, NSP-NE, SSP-NW, and SSP-SE) were collected to evaluate the surface soil from two stockpiles on the property. Refer to Table 1 for a summary of the sampling schedule, and laboratory analyses for this investigation.

3.1 Preparatory Activities

Prior to the initiation of fieldwork, Partner completed the following activities.

3.1.1 Utility Clearance

Partner delineated the work area with flags and notified USA North 811 to clear public utility lines as required by law at least two business days prior to drilling activities. USA North 811 issued ticket number 2024101900095-000 for the project.

In addition, Partner subcontracted with Ground Penetrating Radar Systems (GPRS) on October 23, 2024 to clear boring locations of utilities. GPRS systematically free-traversed each proposed boring location with a Radiodetection model RD7000 electromagnetic induction (EM) equipment unit with line-tracing capabilities, and a GSSI model SIR-3000 ground penetrating radar (GPR) unit. The data was interpreted in real time for evidence of utility lines and/or other subsurface features of potential concern. Based on the findings of the GPR survey, an unknown subsurface conflict was identified in the vicinity of boring B6. GPRS could not determine the exact nature of the object, but did not believe it to be an underground utility or underground storage tank (UST). The boring was moved approximately 3 feet to the south of the proposed location to ensure no conflict with the potential obstruction.

3.1.2 Health and Safety Plan

Partner prepared a site-specific Health and Safety Plan, which was reviewed with on-site personnel involved in the project prior to the commencement of drilling activities.

3.2 Drilling Equipment

On October 23, 2024, Partner subcontracted with Environmental Control Associates (ECA) (State of California Water Well Drilling Contractor License Number 695970) to provide and operate drilling equipment. ECA, under the direction of Partner, advanced borings B1 through B8 with a limited-access Geoprobe Model 540MT direct push rig. Sampling equipment was decontaminated between sample intervals and boring locations to prevent cross-contamination.

3.3 Sample Locations

Borings B1 through B8 were advanced in the northeastern, central-eastern, southeastern, southwestern, central-western, northwestern, south, and south-central portions of the subject property, respectively.

Surface soil samples NSP-NW and NSP-SE were collected from the small soil mound on the north portion of the property, and surface soil samples SSP-NW and SSP-SE were taken from the larger stockpile on the south portion of the property.

Refer to Figure 3 for a map indicating sample locations.

3.4 Soil Sampling

Soil samples were collected from surface stockpiles using a disposable plastic syringe and retained in three sodium bisulfate-preserved volatile organics analysis (VOA) vials in accordance with United States Environmental Protection Agency (EPA) Method 5035 sampling protocol. A sample was also collected by transferring soil into a laboratory-supplied, four-ounce and eight-ounce, wide-mouth, unpreserved glass jar, which was sealed with a threaded, Teflon-lined lid. The jars were filled with soil to capacity to minimize headspace and reduce the potential for volatilization. The jars and VOA vials were labeled for identification and stored in an iced cooler. None of the samples exhibited discoloration or an odor.

3.5 Soil Gas Sampling

Borings B1 through B8 were located in unimproved areas. Borings B1 through B8 were advanced to a terminal depth of 5 feet bgs.

Borings were advanced to the terminal depth using a 2-foot long by 1.5-inch diameter sampler with a sampling point. The sampler was advanced by the direct-push drill rig using 4-foot long by 1.25-inch diameter hollow rods with the inner rods in place. Upon completion to the terminal depth, the rods were removed from the borehole.

Soil Gas Probe Construction

Soil gas probes screened at 5 feet bgs were constructed within the boreholes upon completion of soil sampling. A new section of ¼-inch diameter polyethylene tubing with a new ¼-inch diameter polypropylene filter at the terminal end was inserted into the borehole to the desired sampling depth. One-inch diameter polyvinyl chloride (PVC) casing was used as a guide for the tubing to ensure that the desired sampling depth was achieved. Sand was poured into the boring annulus to form an approximately 1-foot long sand pack around the polypropylene filter, at which time the PVC piping was withdrawn. Approximately 1 foot of dry, granular bentonite was placed atop the sand pack and the remainder of the borehole was backfilled with hydrated bentonite to the ground surface to form a seal. The sampling end of the tubing was fitted with a valve and the probe was labeled for identification.

Soil Gas Sampling Methodology

Soil gas samples were collected in general accordance with the July 2015 Department of Toxic Substances Control (DTSC) and Los Angeles Regional Water Quality Control Board (LARWQCB) "Advisory – Active Soil Gas Investigations."

Soil gas samples were collected using 1-liter, stainless-steel, cylindrical SUMMA canisters. The sampling containers were provided by Eurofins Air Toxics, Inc. (Eurofins), a state-certified laboratory (California Department of Public Health Environmental Laboratory Accreditation Program certificate number 3082 in Folsom, California, which subjected each canister to a rigorous cleaning process using a combination of dilution, heat, and high vacuum. After cleaning, the canisters were batch certified to be free of target contaminants to a specified reporting limit via gas chromatography/mass spectroscopy prior to delivery.

Partner received the SUMMA canisters evacuated to approximately minus 30 inches of mercury. The SUMMA canisters were fitted with stainless-steel flow controllers, which Eurofins calibrated to maintain constant flow (approximately 0.1 liter per minute) for approximately 5 to 10 minutes of sampling time.

Each probe was allowed to equilibrate for a minimum of two hours after installation prior to sampling. After equilibration, the sample tubing and sampler screen were purged of ambient air using a separate 1-liter SUMMA purge volume canister evacuated to approximately minus 30 inches of mercury. A Tracer gas (isopropanol) was placed around each probe at the ground surface while sampling to detect ambient air intrusion. The tracer gas was not detected in any sample, indicating that the integrity of the bentonite seal was maintained. Once the sampling tubing was purged of ambient air, the sampling end of the tubing was fitted to the sampling canister and the port valve was opened, causing air to enter the sample container due to the pressure differential. Partner closed the valves after the canister was evacuated to approximately minus 5 inches of mercury, with pertinent data (e.g., time, canister vacuum) recorded at the start and end of sampling.

Partner successfully connected individual 1-liter SUMMA canisters to each sampling point. The SUMMA canisters were labeled for identification and stored away from direct sunlight prior to analysis.

Soil gas samples were collected from each boring at 5 feet bgs.

3.6 Post-Sampling Activities

Temporary soil probes were removed from the subsurface and the boreholes were backfilled with hydrated bentonite chips following sampling activities.

No significant amounts of derived wastes were generated during this investigation.

4.0 DATA ANALYSIS

4.1 Laboratory Analysis

Partner collected four soil samples and six soil gas samples on October 23, 2024. which were transported in a cooler (soil samples) or at ambient temperature (soil gas samples) under chain-of-custody protocol to Eurofins for analysis. Each stockpiled soil sample was analyzed for VOCs via EPA Method 8260B, carbon chain total petroleum hydrocarbons (TPH-cc) via EPA method 8015B, and California Administrative Manual (CAM) 17 Metals via EPA Method 6010B/7471A. Soil gas samples B1-SG through B6-SG were analyzed for VOCs via EPA Method TO-15. Soil gas probes from borings B1, B2, B5, B6, B7, and B8 were additionally field screened for methane and hydrogen sulfide using a MiniRae Lite Lithium-Ion Multi-Gas Detector.

Laboratory analytical results are included in Appendix A and discussed below.

4.2 Regulatory Agency Comparison Criteria

Environmental Screening Levels - 2019

The San Francisco Bay Regional Water Quality Control Board (SFBRWQCB) has established Environmental Screening Levels (ESLs) as an initial screening level evaluation. ESLs aid in assessing the potential threats to human health, terrestrial/aquatic habitats, and/or drinking water resources due to contaminants in soil, soil gas, and/or groundwater. Under most circumstances, the presence of contamination below applicable ESLs can be assumed to not pose a significant, chronic (i.e., long-term) adverse risk to the applicable receptor of concern. Conversely, sites that exceed ESLs generally require further evaluation and/or remediation. Please note that the ESLs were developed using default assumptions (e.g., standard exposure factors) and, consequently, are only meant for screening level assessments. The ESLs should not be considered enforceable regulatory standards. Cleanup levels ultimately dependent on site-specific factors and are established by the regulatory agencies on a case-by-case basis.

OSHA LELs

Occupational Safety and Health Administration (OSHA) has established an extensive list of Lower Explosive Limits (LELs) that are enforced in workplaces. OSHA LELs can provide information on acceptable levels of chemicals in the workplace.

4.3 Stockpile Soil Sample Data Analysis

Gasoline-range organics (GRO), diesel-range organics (DRO) and residual-range organics (RRO) were detected in each of the analyzed grab soil samples at concentrations above laboratory reporting limits (RLs). None of the detected concentrations of GRO, DRO, and RRO exceed applicable commercial/industrial ESLs.

2-Butanone and acetone were detected in each of the analyzed grab soil samples at concentrations above laboratory RLs. No other VOCs were detected in the grab soil samples at concentrations above laboratory RLs and the laboratory RLs are below applicable ESLs. None of the VOCs detected in the soil samples exceeds applicable ESLs.

Arsenic, barium, chromium, cobalt, copper, lead, nickel, vanadium, and zinc were detected in the analyzed soil samples at concentrations above laboratory RLs. No other metals were detected in the grab soil samples

at concentrations above laboratory RLs and the laboratory RLs are below applicable ESLs. None of the metals detected in soil exceed applicable ESLs.

Refer to Tables 2 through 4 for a summary of the soil sample TPH-cc, VOCs, and CAM 17 Metals laboratory analysis results, respectively.

4.4 Soil Gas Sample Data Analysis

Various VOCs including acetone; 1,3-butadiene; ethanol; carbon disulfide; 2-propanol; 2,2,4-trimethylpentane; cyclohexane; heptane; hexane; tetrahydrofuran; 4-ethyltoluene; methylene chloride; 1,3,5-trimethylbenzene; 1,2,4-trimethylbenzene; trichloroethene (TCE); 4-methyl-2-pentanone; 2-butanone (MEK); benzene; ethylbenzene; m,p-xylene; o-xylene; and styrene were detected in one or more of the analyzed soil gas samples at concentrations above laboratory RLs.

Of these VOC detections, the following exceed the applicable commercial/industrial ESLs:

- TCE was detected in soil gas sample B2-SG at a concentration of 230 micrograms per cubic meter (µg/m^3), which exceeds the commercial/industrial ESL of 100 µg/m^3;
- Benzene was detected in each soil gas sample (B1-SG through B6-SG) at concentrations ranging from 15 to 100 µg/m^3, which exceed the commercial/industrial ESL of 14 µg/m^3.

None of the remaining VOCs detected in the analyzed soil gas samples were at concentrations exceeding the applicable ESLs. No other VOCs were detected in the analyzed soil gas samples at concentrations above laboratory RLs and the RLs do not exceed the applicable ESLs.

Additionally, none of the soil gas probes screened had detectable concentrations of methane or hydrogen sulfide.

Refer to Table 5 for a summary of the soil gas sample VOCs laboratory analysis results.

4.5 Discussion

4.5.1 Stockpiled Soil

Residual concentrations of TPH-cc, VOCs and metals were detected in soil; however, these detections do not exceed applicable regulatory screening criteria and therefore do not pose a threat to human health and/or the environment at this time.

4.5.2 Soil Gas

Benzene was detected in each of the soil gas samples (B1-SG through B6-SG) and TCE was detected in one of the six soil gas samples (B2-SG) at concentrations exceeding the applicable commercial/industrial regulatory screening criteria. The benzene impacts to soil gas appear to be consistently distributed throughout the subject property and the TCE impacts appear to be limited in extent. The source of the identified soil gas impacts is unclear at this time, but may be attributed to the historical off-site landfill operations. The regulatory exceedances in soil gas indicate a potential vapor intrusion concern for the future occupants of the subject property if the site gets redeveloped.

5.0 SUMMARY AND CONCLUSIONS

Partner conducted a Phase II Subsurface Investigation at the subject property to evaluate the potential impact of petroleum hydrocarbons, VOCs, and metals to stockpiled soil and potential impact of methane, hydrogen sulfide, and/or VOCs to soil gas as a consequence of a release or releases from the former off-site landfill and to evaluate the on-site stockpiled soil that was generated from an unknown source. The scope of the Phase II Subsurface Investigation included six soil gas samples at 5 feet bgs and four grab samples from the on-site stockpiles. Soil gas samples were analyzed for VOCs and screened for methane and hydrogen sulfide. Soil samples were analyzed for TPH-cc, VOCs, and CAM 17 Metals.

Residual concentrations of TPH-cc, VOCs, and metals were detected in soil; however, these detections do not exceed applicable regulatory screening criteria and therefore do not pose a threat to human health and/or the environment.

None of the soil gas probes screened had detectable concentrations of methane or hydrogen sulfide.

Benzene was detected in each of the soil gas samples (B1-SG through B6-SG) and TCE was detected in one of the six soil gas samples (B2-SG) at concentrations exceeding the applicable commercial/industrial regulatory screening criteria. The benzene impacts to soil gas appear to be consistently distributed throughout the subject property and the TCE impacts appear to be limited in extent. The source of the identified soil gas impacts is unclear at this time, but may be attributed to the historical off-site landfill operations. The regulatory exceedances in soil gas indicate a potential vapor intrusion concern for the future occupants of the subject property if the site gets redeveloped.

Based on the above, Partner recommends additional investigation to further evaluate the source and extent of the identified soil gas impacts.

FIGURES

PARTNER

2154 Torrance Boulevard
Torrance, California 90501

Project Number: 23-431712.1

N

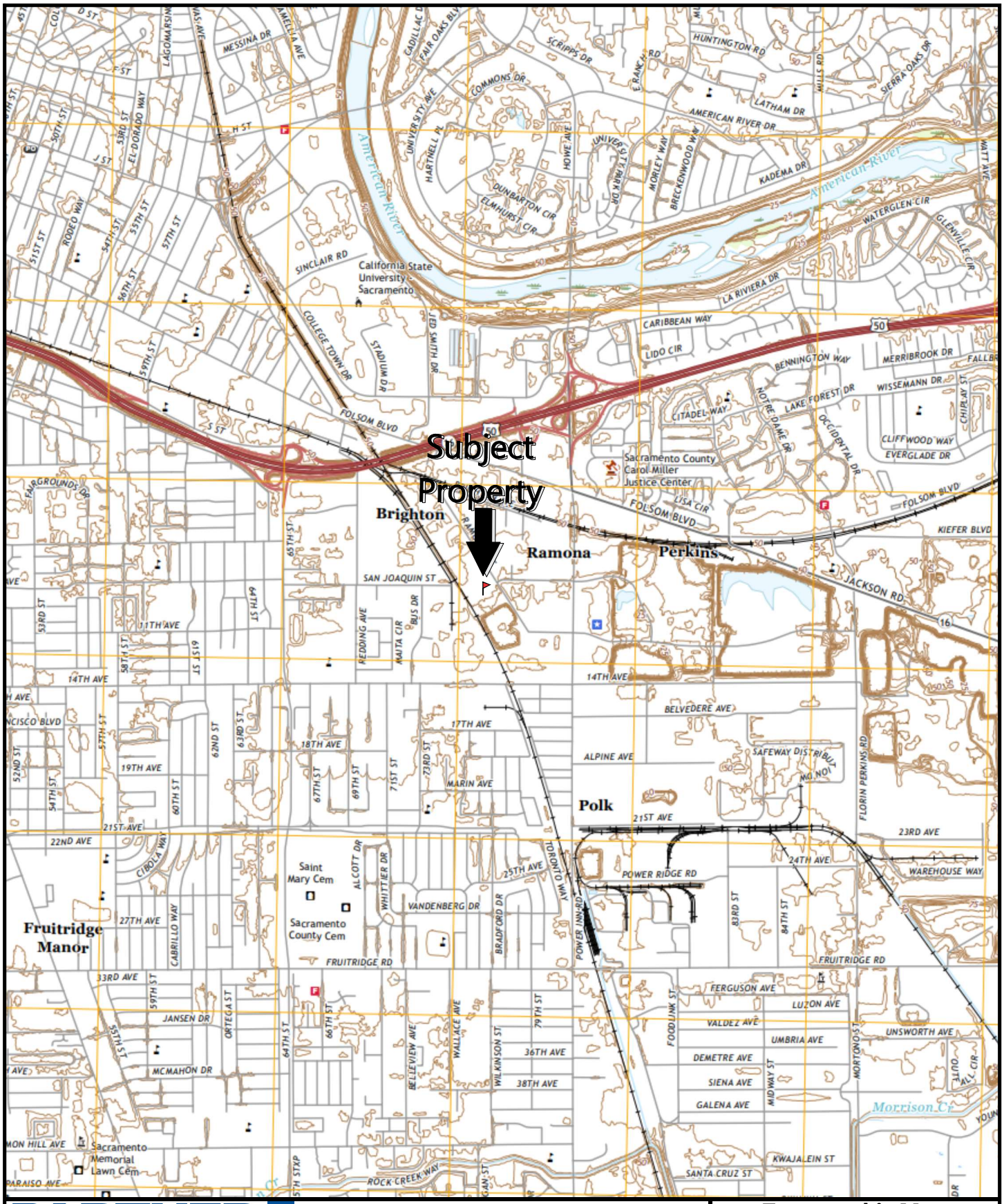
Legend

Subject Property

Site Vicinity Map

Figure	Prepared By	Date
1	M. Helou	Nov. 2024

APNs 079-0281-018 & -020
Sacramento, California 95826



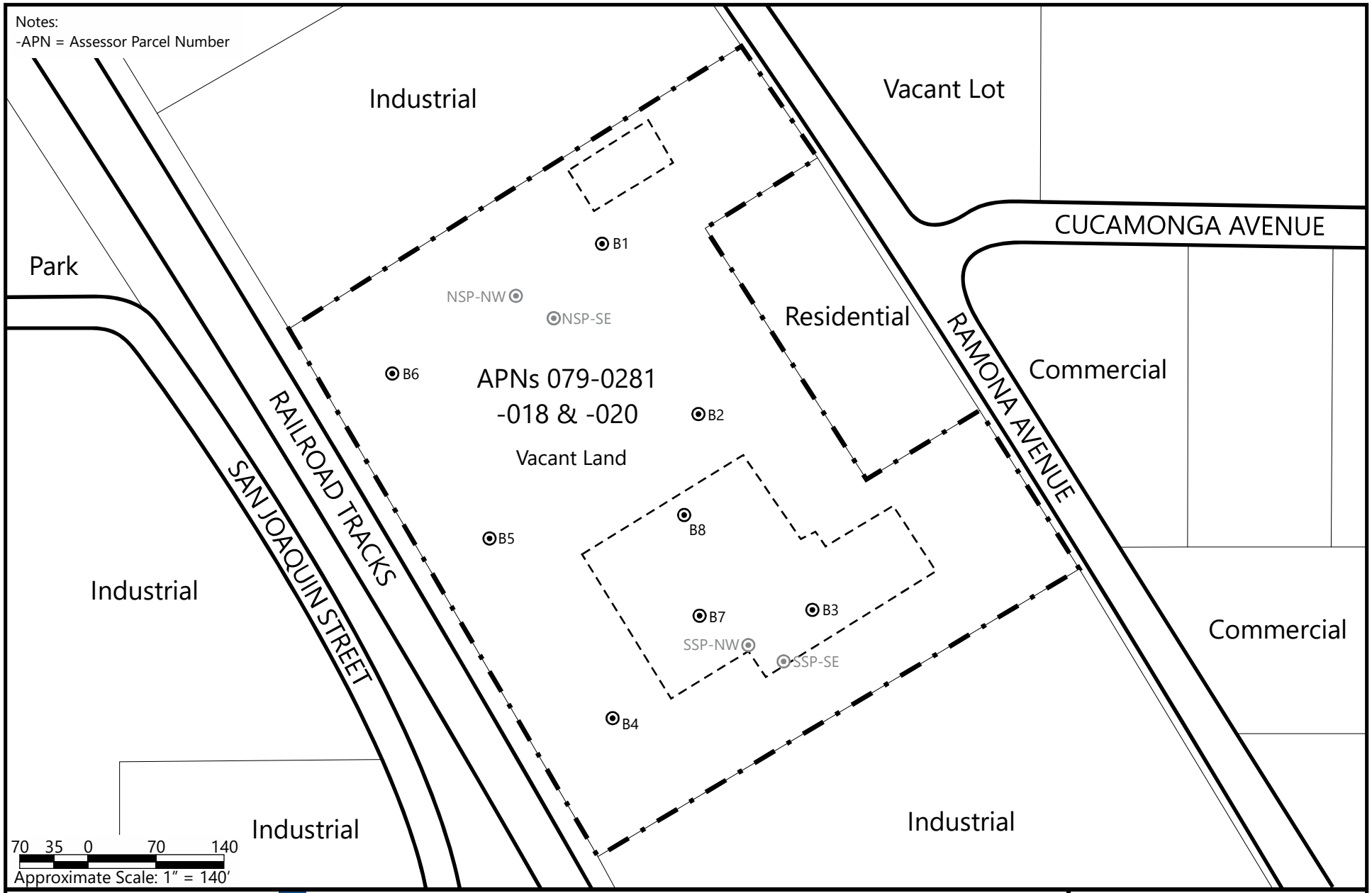
PARTNER	N	USGS Sacramento East, California Quadrangle Version: 2021

2154 Torrance Boulevard
Torrance, California 90501
Project Number: 23-431712.1

Topographic Map

Figure	Prepared By	Date
2	M. Helou	Nov. 2024

APNs 079-0281-018 & -020
Sacramento, California 95826



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2154 Torrance Boulevard
Torrance, California 90501

Project Number: 23-431712.1

N

Legend

- Subject Property
- Boring Location
- Stockpile Soil Sample Location
- Proposed Future Building

Sample Location Map

Figure	Prepared By	Date
3	M. Helou	Nov. 2024

APNs 079-0281-018 & -020
Sacramento, California 95826

TABLES

Table 1: Summary of Investigation Scope
Ramona Avenue Property, APNs 079-0281-018 and -020
Sacramento, California 95826
Partner Project Number 23-431712.1
Date of Sample Collection: October 23, 2024

Boring/Sample Identification	REC/Issue	Location	Terminal Depth (feet bgs)	Matrix Sampled	Sampling Depths* (feet bgs)	Target Analytes
B1	Historical releases from former off-site landfill	Northeastern portion of vacant field	5	Soil Gas	5	VOCs, Methane, Hydrogen Sulfide
B2		Central-eastern portion of vacant field	5	Soil Gas	5	VOCs, Methane, Hydrogen Sulfide
B3		Southeastern portion of vacant field	5	Soil Gas	5	VOCs
B4		Southwestern portion of vacant field	5	Soil Gas	5	VOCs
B5		Central-western portion of vacant field	5	Soil Gas	5	VOCs, Methane, Hydrogen Sulfide
B6		Northwestern portion of vacant field	5	Soil Gas	5	Methane, Hydrogen Sulfide
B7		South portion of vacant field	5	Soil Gas	5	Methane, Hydrogen Sulfide
B8		South-central portion of vacant field	5	Soil Gas	5	VOCs, Methane, Hydrogen Sulfide
NSP-NW	Stockpiled soils from unknown source	Northwest side of northern stockpile	--	Soil	--	TPH-cc, VOCs, Metals
NSP-SE		Southeast side of northern stockpile	--	Soil	--	TPH-cc, VOCs, Metals
SSP-NW		Northwest side of southern stockpile	--	Soil	--	TPH-cc, VOCs, Metals
SSP-SE		Southeast side of southern stockpile	--	Soil	--	TPH-cc, VOCs, Metals

Notes:

*Each stockpile soil sample was analyzed for carbon chain total petroleum hydrocarbons (TPH-cc) via United States Environmental Protection Agency (EPA) Method 8015B, for volatile organic compounds (VOCs) via EPA Method 8260B, and for California Administation Manual (CAM) 17 metals via EPA Method 6010B/7471A. Each soil gas sample was analyzed for VOCs via EPA Method TO-15. Underlined depths screened for methane and hydrogen sulfide using a MiniRae Lite Lithium-Ion Multi-Gas Detector.

REC = recognized environmental condition

bgs = below ground surface

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Table 2: Soil Sample TPH-cc Laboratory Results
Ramona Avenue Property, APNs 079-0281-018 and -020
Sacramento, California 95826
Partner Project Number 23-431712.1
Date of Sample Collection: October 23, 2024

EPA Method	TPH-cc via 8015B				
Units	(mg/kg)				
Analyte	Commerical/ Industrial ESL	NSP-NW	NSP-SE	SSP-NW	SSP-SE
C6-C10 (GRO)	2,000	340	110	73	45
C10-C28 (DRO)	1,200	410	500	480	460
C32-C44 (RRO)	180,000	880	1,630	2,260	720

Notes:

TPH-cc = carbon chain total petroleum hydrocarbons

EPA = United States Environmental Protection Agency

GRO = gasoline range organics

DRO = diesel range organics

RRO = residual range organics

mg/kg = milligrams per kilogram

ESL = Environmental Screening Level (San Francisco Bay Regional Water Quality Control Board - 2019) for evaluation of direct exposure human health risk, Table S-1

Values in bold exceed laboratory Reporting Limits (RLs)

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Table 3: Soil Sample VOCs Laboratory Results
Ramona Avenue Property, APNs 079-0281-018 and -020
Sacramento, California 95826
Partner Project Number 23-431712.1
Date of Sample Collection: October 23, 2024

EPA Method	VOCs via 8260B				
Units	(µg/kg)				
Analyte	Commercial/ Industrial ESL	NSP-NW	NSP-SE	SSP-NW	SSP-SE
2-Butanone (MEK)	200,000,000	36	45	44	14
Acetone	670,000,000	320 E	470 E	270 E	130 E
Other VOCs	Varies	ND	ND	ND	ND

Notes:

VOCs = volatile organic compounds

EPA = United States Environmental Protection Agency

µg/kg = micrograms per kilogram

ESL = Environmental Screening Level (San Francisco Bay Regional Water Quality Control Board - 2019) for evaluation of direct exposure human health risk, Table S-1

E = Result exceeded calibration range

ND = not detected at or above laboratory Reporting Limits (RLs)

Values in bold exceed laboratory RLs

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Table 4: Soil Sample CAM 17 Metals Laboratory Results
Ramona Avenue Property, APNs 079-0281-018 and -020
Sacramento, California 95826
Partner Project Number 23-431712.1
Date of Sample Collection: October 23, 2024

EPA Method	CAM 17 Metals via 6010B/7471A					
Units	(mg/kg)					
Analyte	Commercial/ Industrial ESL	Background Concentrations*	NSP-NW	NSP-SE	SSP-NW	SSP-SE
Arsenic (As)	3.6	11**	<2.78	3.53	<2.87	<3.06
Barium (Ba)	220,000	299 - 719	57.1	64.0	53.7	48.7
Chromium (Cr)	NE	0 - 345	32.0	43.9	24.8	17.3
Cobalt (Co)	1,900	5.7 - 24.1	5.91	8.67	6.13	4.41
Copper (Cu)	47,000	9.4 - 48	20.5	24.1	20.6	15.6
Lead (Pb)	380	10.1 - 37.7	10.7	15.0	6.63	11.6
Nickel (Ni)	64,000	0 - 137	30.9	83.8	33.1	22.5
Vanadium (V)	5,800	59 - 165	35.4	34.7	33.3	28.2
Zinc (Zn)	350,000	117 - 181	47.8	49.4	40.9	28.8
Other CAM 17 Metals	Varies	Varies	ND	ND	ND	ND

Notes:

EPA = United States Environmental Protection Agency

CAM = California Administrative Manual

mg/kg = milligrams per kilogram

ESL = Environmental Screening Level (San Francisco Bay Regional Water Quality Control Board - 2019) for evaluation of direct exposure human health risk, Table S-1

*From Kearney Foundation of Soil Science March 1996 report Background Concentrations of Trace and Major Elements in California Soils. Background concentrations of metals are considered to be within one standard deviation from the mean metal concentrations determined by the study. Concentrations indicated in mg/kg.

**From Dylan Jacques Duvergé December 2011 report Establishing Background Arsenic in Soil of the Urbanized San Francisco Bay

< = not detected above indicated laboratory Reporting Limit (RL)

ND = not detected at or above laboratory RLs

Values in bold detected above laboratory RLs

PARTNER

Table 5: Soil Gas Sample VOCs Laboratory Results
Ramona Avenue Property, APNs 079-0281-018 and -020
Sacramento, California 95826
Partner Project Number 23-431712.1
Date of Sample Collection: October 23, 2024

EPA Method	VOCs via TO-15						
Units	($\mu g/m^3$)						
Analyte	Commercial/ Industrial ESL	B1-SG	B2-SG	B3-SG	B4-SG	B5-SG	B6-SG
Acetone	4,500,000	200	430	580	250	400	160
1,3-Butadiene	NE	29	68	77	36	43	9.4
Ethanol	NE	220	160	370	190	250	210
Carbon Disulfide	NE	<13	14	40	<12	<13	<12
2,2,4-Trimethylpentane	NE	<4.8	11	17	21	12	<4.7
Cyclohexane	NE	4.9	11	18	8.6	9.0	<3.5
Heptane	NE	36	110	160	200	100	20
Hexane	NE	18	79	92	39	39	7.8
Tetrahydrofuran	NE	67	140	130	120	180	53
4-Ethyltoluene	NE	<5.1	<4.8	10	14	5.0	<5.0
Methylene chloride	410	<36	120	<35	<34	<35	<35
1,3,5-Trimethylbenzene	NE	<5.1	<4.8	<5	8.6	<5	<5.0
1,2,4-Trimethylbenzene	NE	<5.1	<4.8	11	18	6.1	<5.0
Trichloroethene (TCE)	100	<5.6	230	72	92	26	<5.4
4-Methyl-2-pentanone	NE	97	25	<4.2	<4.0	<4.2	11
2-Butanone (MEK)	NE	81	260	310	200	250	90
Benzene	14	22	54	100	56	49	15
Ethylbenzene	160	4.7	9.3	24	11	5.2	<4.4
m,p-Xylene	15,000	10	14	24	30	12	<8.8
o-Xylene	15,000	<4.5	4.4	8.9	9.4	<4.4	<4.4
Styrene	130,000	<4.4	<4.2	7.2	5.2	<4.3	<4.3
2-Propanol (tracer)	NE	14	<9.7	24	76	32	19
Other VOCs	Varies	ND	ND	ND	ND	ND	ND

Notes:

EPA = United States Environmental Protection Agency

VOCs = volatile organic compounds

$\mu g/m^3$ = micrograms per cubic meter

ESL = Environmental Screening Level (San Francisco Bay Regional Water Quality Control Board - 2019) for evaluation of potential vapor intrusion human health risk, Table SG-1

NE = not established

< = not detected above indicated laboratory Reporting Limit (RL)

ND = not detected at or above laboratory RLs

Values in bold exceed laboratory RLs

Highlighted values exceed regulatory guideline

PARTNER

APPENDIX A: LABORATORY ANALYTICAL REPORTS

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Nate Maroon
Partner Engineering and Science, Inc
1017 22nd Avenue
Suite 107
Oakland, California 94606

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JOB DESCRIPTION

23-431712.1 Ramona Avenue Property

JOB NUMBER

570-204602-1

Eurofins Calscience
2841 Dow Avenue, Suite 100
Tustin CA 92780

See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Calscience Project Manager.

Authorization

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Authorized for release by
Sandy Tat, Project Manager I
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(714)895-5494

Table of Contents

Definitions/Glossary

Client: Partner Engineering and Science, Inc
Job ID: 570-204602-1
Project/Site: 23-431712.1 Ramona Avenue Property

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
E	Result exceeded calibration range.

Glossary

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

Job Narrative
570-204602-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 10/28/2024 9:30 AM. 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 time was 21.8°C.

Receipt Exceptions
The following samples were received at the laboratory outside the required temperature criteria: NSP-NW (570-204602-1), NSP-SE (570-204602-2), SSP-NW (570-204602-3) and SSP-SE (570-204602-4). There was no cooling media present in the cooler.

GC/MS VOA
Method 8260B: The following sample was analyzed via a low-level analysis and a high-level (i.e., methanol extract) analysis. The low-level analysis resulted in a value for Acetone above the upper calibration range. The high-level analysis resulted in a non-detect for this analyte in the lowest possible dilution utilized. The results from the low-level analysis are provided and have been flagged as estimated. NSP-NW (570-204602-1), NSP-SE (570-204602-2), SSP-NW (570-204602-3) and SSP-SE (570-204602-4)

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

Diesel Range Organics
Method 8015B: The total concentration includes individual carbon range concentrations (estimated), if any, below the RL reported as ND.

Method 8015B_DRO: The following sample was diluted due to the nature of the sample matrix: SSP-SE (570-204602-4). Elevated reporting limits (RLs) are provided.

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

Metals
Method 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 570-496852 and analytical batch 570-497032 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 7471A: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 570-497332 and analytical batch 570-497482 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

Detection Summary

Client: Partner Engineering and Science, Inc
Project/Site: 23-431712.1 Ramona Avenue Property

Job ID: 570-204602-1

Client Sample ID: NSP-NW — Lab Sample ID: 570-204602-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	36		12		ug/Kg	1		8260B/5035	Total/NA
Acetone	320	E	12		ug/Kg	1		8260B/5035	Total/NA
C23-C24	70		49		mg/Kg	10		8015B	Total/NA
C25-C28	250		49		mg/Kg	10		8015B	Total/NA
C29-C32	340		49		mg/Kg	10		8015B	Total/NA
C33-C36	250		49		mg/Kg	10		8015B	Total/NA
C37-C40	150		49		mg/Kg	10		8015B	Total/NA
C41-C44	140		49		mg/Kg	10		8015B	Total/NA
C6-C44	1300		49		mg/Kg	10		8015B	Total/NA
Diesel Range Organics [C10-C28]	410		49		mg/Kg	10		8015B	Total/NA
Barium	57.1		1.85		mg/Kg	2		6010B	Total/NA
Chromium	32.0		0.926		mg/Kg	2		6010B	Total/NA
Cobalt	5.91		1.85		mg/Kg	2		6010B	Total/NA
Copper	20.5		1.85		mg/Kg	2		6010B	Total/NA
Lead	10.7		1.85		mg/Kg	2		6010B	Total/NA
Nickel	30.9		1.85		mg/Kg	2		6010B	Total/NA
Vanadium	35.4		3.70		mg/Kg	2		6010B	Total/NA
Zinc	47.8		3.70		mg/Kg	2		6010B	Total/NA

Client Sample ID: NSP-SE — Lab Sample ID: 570-204602-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	45		11		ug/Kg	1		8260B/5035	Total/NA
Acetone	470	E	11		ug/Kg	1		8260B/5035	Total/NA
C25-C28	260		250		mg/Kg	50		8015B	Total/NA
C29-C32	440		250		mg/Kg	50		8015B	Total/NA
C33-C36	440		250		mg/Kg	50		8015B	Total/NA
C37-C40	350		250		mg/Kg	50		8015B	Total/NA
C41-C44	400		250		mg/Kg	50		8015B	Total/NA
C6-C44	2200		250		mg/Kg	50		8015B	Total/NA
Diesel Range Organics [C10-C28]	500		250		mg/Kg	50		8015B	Total/NA
Arsenic	3.53		2.83		mg/Kg	2		6010B	Total/NA
Barium	64.0		1.89		mg/Kg	2		6010B	Total/NA
Chromium	43.9		0.944		mg/Kg	2		6010B	Total/NA
Cobalt	8.67		1.89		mg/Kg	2		6010B	Total/NA
Copper	24.1		1.89		mg/Kg	2		6010B	Total/NA
Lead	15.0		1.89		mg/Kg	2		6010B	Total/NA
Nickel	83.8		1.89		mg/Kg	2		6010B	Total/NA
Vanadium	34.7		3.78		mg/Kg	2		6010B	Total/NA
Zinc	49.4		3.78		mg/Kg	2		6010B	Total/NA

Client Sample ID: SSP-NW — Lab Sample ID: 570-204602-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	44		12		ug/Kg	1		8260B/5035	Total/NA
Acetone	270	E	12		ug/Kg	1		8260B/5035	Total/NA
C23-C24	72		48		mg/Kg	10		8015B	Total/NA
C25-C28	270		48		mg/Kg	10		8015B	Total/NA
C29-C32	570		48		mg/Kg	10		8015B	Total/NA
C33-C36	620		48		mg/Kg	10		8015B	Total/NA
C37-C40	530		48		mg/Kg	10		8015B	Total/NA
C41-C44	540		48		mg/Kg	10		8015B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SSP-NW (Continued)
Lab Sample ID: 570-204602-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
C6-C44	2700		48		mg/Kg	10		8015B	Total/NA
Diesel Range Organics [C10-C28]	480		48		mg/Kg	10		8015B	Total/NA
Barium	53.7		1.91		mg/Kg	2		6010B	Total/NA
Chromium	24.8		0.957		mg/Kg	2		6010B	Total/NA
Cobalt	6.13		1.91		mg/Kg	2		6010B	Total/NA
Copper	20.6		1.91		mg/Kg	2		6010B	Total/NA
Lead	6.63		1.91		mg/Kg	2		6010B	Total/NA
Nickel	33.1		1.91		mg/Kg	2		6010B	Total/NA
Vanadium	33.3		3.83		mg/Kg	2		6010B	Total/NA
Zinc	40.9		3.83		mg/Kg	2		6010B	Total/NA

Client Sample ID: SSP-SE
Lab Sample ID: 570-204602-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	14		8.6		ug/Kg	1		8260B/5035	Total/NA
Acetone	130	E	8.6		ug/Kg	1		8260B/5035	Total/NA
C23-C24 - DL	74		48		mg/Kg	10		8015B	Total/NA
C25-C28 - DL	300		48		mg/Kg	10		8015B	Total/NA
C29-C32 - DL	390		48		mg/Kg	10		8015B	Total/NA
C33-C36 - DL	180		48		mg/Kg	10		8015B	Total/NA
C37-C40 - DL	87		48		mg/Kg	10		8015B	Total/NA
C41-C44 - DL	64		48		mg/Kg	10		8015B	Total/NA
C6-C44 - DL	1200		48		mg/Kg	10		8015B	Total/NA
Diesel Range Organics [C10-C28] - DL	460		48		mg/Kg	10		8015B	Total/NA
Barium	48.7		2.04		mg/Kg	2		6010B	Total/NA
Chromium	17.3		1.02		mg/Kg	2		6010B	Total/NA
Cobalt	4.41		2.04		mg/Kg	2		6010B	Total/NA
Copper	15.6		2.04		mg/Kg	2		6010B	Total/NA
Lead	11.6		2.04		mg/Kg	2		6010B	Total/NA
Nickel	22.5		2.04		mg/Kg	2		6010B	Total/NA
Vanadium	28.2		4.08		mg/Kg	2		6010B	Total/NA
Zinc	28.8		4.08		mg/Kg	2		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Method: SW846 8260B/5035 - Volatile Organic Compounds (GC/MS)

Client Sample ID: NSP-NW
Date Collected: 10/23/24 11:30
Date Received: 10/28/24 09:30

Lab Sample ID: 570-204602-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.62		ug/Kg		10/28/24 12:45	10/28/24 18:13	1
1,1,1-Trichloroethane	ND		0.62		ug/Kg		10/28/24 12:45	10/28/24 18:13	1
1,1,2,2-Tetrachloroethane	ND		1.2		ug/Kg		10/28/24 12:45	10/28/24 18:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6.2		ug/Kg		10/28/24 12:45	10/28/24 18:13	1
1,1,2-Trichloroethane	ND		0.62		ug/Kg		10/28/24 12:45	10/28/24 18:13	1
1,1-Dichloroethane	ND		0.62		ug/Kg		10/28/24 12:45	10/28/24 18:13	1
1,1-Dichloroethene	ND		0.62		ug/Kg		10/28/24 12:45	10/28/24 18:13	1
1,1-Dichloropropene	ND		1.2		ug/Kg		10/28/24 12:45	10/28/24 18:13	1
1,2,3-Trichlorobenzene	ND		1.2		ug/Kg		10/28/24 12:45	10/28/24 18:13	1
1,2,3-Trichloropropane	ND		1.2		ug/Kg		10/28/24 12:45	10/28/24 18:13	1
1,2,4-Trichlorobenzene	ND		1.2		ug/Kg		10/28/24 12:45	10/28/24 18:13	1
1,2,4-Trimethylbenzene	ND		1.2		ug/Kg		10/28/24 12:45	10/28/24 18:13	1
1,2-Dibromo-3-Chloropropane	ND		6.2		ug/Kg		10/28/24 12:45	10/28/24 18:13	1
1,2-Dibromoethane	ND		0.62		ug/Kg		10/28/24 12:45	10/28/24 18:13	1
1,2-Dichlorobenzene	ND		0.62		ug/Kg		10/28/24 12:45	10/28/24 18:13	1
1,2-Dichloroethane	ND		0.62		ug/Kg		10/28/24 12:45	10/28/24 18:13	1
1,2-Dichloropropane	ND		0.62		ug/Kg		10/28/24 12:45	10/28/24 18:13	1
1,3,5-Trimethylbenzene	ND		1.2		ug/Kg		10/28/24 12:45	10/28/24 18:13	1
1,3-Dichlorobenzene	ND		0.62		ug/Kg		10/28/24 12:45	10/28/24 18:13	1
1,3-Dichloropropane	ND		0.62		ug/Kg		10/28/24 12:45	10/28/24 18:13	1
1,4-Dichlorobenzene	ND		0.62		ug/Kg		10/28/24 12:45	10/28/24 18:13	1
2,2-Dichloropropane	ND		3.1		ug/Kg		10/28/24 12:45	10/28/24 18:13	1
2-Butanone (MEK)	**36**		12		ug/Kg		10/28/24 12:45	10/28/24 18:13	1
2-Chlorotoluene	ND		0.62		ug/Kg		10/28/24 12:45	10/28/24 18:13	1
2-Hexanone	ND		12		ug/Kg		10/28/24 12:45	10/28/24 18:13	1
4-Chlorotoluene	ND		0.62		ug/Kg		10/28/24 12:45	10/28/24 18:13	1
4-Methyl-2-pentanone (MIBK)	ND		12		ug/Kg		10/28/24 12:45	10/28/24 18:13	1
Acetone	**320**	**E**	12		ug/Kg		10/28/24 12:45	10/28/24 18:13	1
Benzene	ND		0.62		ug/Kg		10/28/24 12:45	10/28/24 18:13	1
Bromobenzene	ND		0.62		ug/Kg		10/28/24 12:45	10/28/24 18:13	1
Bromochloromethane	ND		1.2		ug/Kg		10/28/24 12:45	10/28/24 18:13	1
Bromodichloromethane	ND		0.62		ug/Kg		10/28/24 12:45	10/28/24 18:13	1
Bromoform	ND		3.1		ug/Kg		10/28/24 12:45	10/28/24 18:13	1
Bromomethane	ND		12		ug/Kg		10/28/24 12:45	10/28/24 18:13	1
cis-1,2-Dichloroethene	ND		0.62		ug/Kg		10/28/24 12:45	10/28/24 18:13	1
cis-1,3-Dichloropropene	ND		0.62		ug/Kg		10/28/24 12:45	10/28/24 18:13	1
Carbon disulfide	ND		6.2		ug/Kg		10/28/24 12:45	10/28/24 18:13	1
Carbon tetrachloride	ND		0.62		ug/Kg		10/28/24 12:45	10/28/24 18:13	1
Chlorobenzene	ND		0.62		ug/Kg		10/28/24 12:45	10/28/24 18:13	1
Chloroethane	ND		1.2		ug/Kg		10/28/24 12:45	10/28/24 18:13	1
Chloroform	ND		0.62		ug/Kg		10/28/24 12:45	10/28/24 18:13	1
Chloromethane	ND		12		ug/Kg		10/28/24 12:45	10/28/24 18:13	1
Dibromochloromethane	ND		1.2		ug/Kg		10/28/24 12:45	10/28/24 18:13	1
Dibromomethane	ND		0.62		ug/Kg		10/28/24 12:45	10/28/24 18:13	1
Dichlorodifluoromethane	ND		1.2		ug/Kg		10/28/24 12:45	10/28/24 18:13	1
Ethylbenzene	ND		0.62		ug/Kg		10/28/24 12:45	10/28/24 18:13	1
Isopropylbenzene	ND		0.62		ug/Kg		10/28/24 12:45	10/28/24 18:13	1
Methylene Chloride	ND		6.2		ug/Kg		10/28/24 12:45	10/28/24 18:13	1
Methyl-t-Butyl Ether (MTBE)	ND		1.2		ug/Kg		10/28/24 12:45	10/28/24 18:13	1

Method: SW846 8260B/5035 - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: NSP-NW
Date Collected: 10/23/24 11:30
Date Received: 10/28/24 09:30

Lab Sample ID: 570-204602-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		6.2		ug/Kg		10/28/24 12:45	10/28/24 18:13	1
n-Butylbenzene	ND		0.62		ug/Kg		10/28/24 12:45	10/28/24 18:13	1
N-Propylbenzene	ND		1.2		ug/Kg		10/28/24 12:45	10/28/24 18:13	1
o-Xylene	ND		0.62		ug/Kg		10/28/24 12:45	10/28/24 18:13	1
m,p-Xylene	ND		1.2		ug/Kg		10/28/24 12:45	10/28/24 18:13	1
p-Isopropyltoluene	ND		0.62		ug/Kg		10/28/24 12:45	10/28/24 18:13	1
sec-Butylbenzene	ND		0.62		ug/Kg		10/28/24 12:45	10/28/24 18:13	1
Styrene	ND		0.62		ug/Kg		10/28/24 12:45	10/28/24 18:13	1
trans-1,2-Dichloroethene	ND		0.62		ug/Kg		10/28/24 12:45	10/28/24 18:13	1
trans-1,3-Dichloropropene	ND		1.2		ug/Kg		10/28/24 12:45	10/28/24 18:13	1
tert-Butylbenzene	ND		0.62		ug/Kg		10/28/24 12:45	10/28/24 18:13	1
Tetrachloroethene	ND		0.62		ug/Kg		10/28/24 12:45	10/28/24 18:13	1
Toluene	ND		0.62		ug/Kg		10/28/24 12:45	10/28/24 18:13	1
Trichloroethene	ND		1.2		ug/Kg		10/28/24 12:45	10/28/24 18:13	1
Trichlorofluoromethane	ND		6.2		ug/Kg		10/28/24 12:45	10/28/24 18:13	1
Vinyl acetate	ND		6.2		ug/Kg		10/28/24 12:45	10/28/24 18:13	1
Vinyl chloride	ND		0.62		ug/Kg		10/28/24 12:45	10/28/24 18:13	1
Xylenes, Total	ND		1.2		ug/Kg		10/28/24 12:45	10/28/24 18:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*128*		*32 - 179*	*10/28/24 12:45*	*10/28/24 18:13*	*1*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*	*10/28/24 12:45*	*10/28/24 18:13*	*1*
Dibromofluoromethane (Surr)	*114*		*58 - 147*	*10/28/24 12:45*	*10/28/24 18:13*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*	*10/28/24 12:45*	*10/28/24 18:13*	*1*

Client Sample ID: NSP-SE
Date Collected: 10/23/24 11:15
Date Received: 10/28/24 09:30

Lab Sample ID: 570-204602-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.57		ug/Kg		10/28/24 12:45	10/28/24 18:35	1
1,1,1-Trichloroethane	ND		0.57		ug/Kg		10/28/24 12:45	10/28/24 18:35	1
1,1,2,2-Tetrachloroethane	ND		1.1		ug/Kg		10/28/24 12:45	10/28/24 18:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.7		ug/Kg		10/28/24 12:45	10/28/24 18:35	1
1,1,2-Trichloroethane	ND		0.57		ug/Kg		10/28/24 12:45	10/28/24 18:35	1
1,1-Dichloroethane	ND		0.57		ug/Kg		10/28/24 12:45	10/28/24 18:35	1
1,1-Dichloroethene	ND		0.57		ug/Kg		10/28/24 12:45	10/28/24 18:35	1
1,1-Dichloropropene	ND		1.1		ug/Kg		10/28/24 12:45	10/28/24 18:35	1
1,2,3-Trichlorobenzene	ND		1.1		ug/Kg		10/28/24 12:45	10/28/24 18:35	1
1,2,3-Trichloropropane	ND		1.1		ug/Kg		10/28/24 12:45	10/28/24 18:35	1
1,2,4-Trichlorobenzene	ND		1.1		ug/Kg		10/28/24 12:45	10/28/24 18:35	1
1,2,4-Trimethylbenzene	ND		1.1		ug/Kg		10/28/24 12:45	10/28/24 18:35	1
1,2-Dibromo-3-Chloropropane	ND		5.7		ug/Kg		10/28/24 12:45	10/28/24 18:35	1
1,2-Dibromoethane	ND		0.57		ug/Kg		10/28/24 12:45	10/28/24 18:35	1
1,2-Dichlorobenzene	ND		0.57		ug/Kg		10/28/24 12:45	10/28/24 18:35	1
1,2-Dichloroethane	ND		0.57		ug/Kg		10/28/24 12:45	10/28/24 18:35	1
1,2-Dichloropropane	ND		0.57		ug/Kg		10/28/24 12:45	10/28/24 18:35	1
1,3,5-Trimethylbenzene	ND		1.1		ug/Kg		10/28/24 12:45	10/28/24 18:35	1
1,3-Dichlorobenzene	ND		0.57		ug/Kg		10/28/24 12:45	10/28/24 18:35	1
1,3-Dichloropropane	ND		0.57		ug/Kg		10/28/24 12:45	10/28/24 18:35	1
1,4-Dichlorobenzene	ND		0.57		ug/Kg		10/28/24 12:45	10/28/24 18:35	1

Method: SW846 8260B/5035 - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: NSP-SE
Date Collected: 10/23/24 11:15
Date Received: 10/28/24 09:30

Lab Sample ID: 570-204602-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2-Dichloropropane	ND		2.8		ug/Kg		10/28/24 12:45	10/28/24 18:35	1
2-Butanone (MEK)	**45**		11		ug/Kg		10/28/24 12:45	10/28/24 18:35	1
2-Chlorotoluene	ND		0.57		ug/Kg		10/28/24 12:45	10/28/24 18:35	1
2-Hexanone	ND		11		ug/Kg		10/28/24 12:45	10/28/24 18:35	1
4-Chlorotoluene	ND		0.57		ug/Kg		10/28/24 12:45	10/28/24 18:35	1
4-Methyl-2-pentanone (MIBK)	ND		11		ug/Kg		10/28/24 12:45	10/28/24 18:35	1
Acetone	**470**	**E**	11		ug/Kg		10/28/24 12:45	10/28/24 18:35	1
Benzene	ND		0.57		ug/Kg		10/28/24 12:45	10/28/24 18:35	1
Bromobenzene	ND		0.57		ug/Kg		10/28/24 12:45	10/28/24 18:35	1
Bromochloromethane	ND		1.1		ug/Kg		10/28/24 12:45	10/28/24 18:35	1
Bromodichloromethane	ND		0.57		ug/Kg		10/28/24 12:45	10/28/24 18:35	1
Bromoform	ND		2.8		ug/Kg		10/28/24 12:45	10/28/24 18:35	1
Bromomethane	ND		11		ug/Kg		10/28/24 12:45	10/28/24 18:35	1
cis-1,2-Dichloroethene	ND		0.57		ug/Kg		10/28/24 12:45	10/28/24 18:35	1
cis-1,3-Dichloropropene	ND		0.57		ug/Kg		10/28/24 12:45	10/28/24 18:35	1
Carbon disulfide	ND		5.7		ug/Kg		10/28/24 12:45	10/28/24 18:35	1
Carbon tetrachloride	ND		0.57		ug/Kg		10/28/24 12:45	10/28/24 18:35	1
Chlorobenzene	ND		0.57		ug/Kg		10/28/24 12:45	10/28/24 18:35	1
Chloroethane	ND		1.1		ug/Kg		10/28/24 12:45	10/28/24 18:35	1
Chloroform	ND		0.57		ug/Kg		10/28/24 12:45	10/28/24 18:35	1
Chloromethane	ND		11		ug/Kg		10/28/24 12:45	10/28/24 18:35	1
Dibromochloromethane	ND		1.1		ug/Kg		10/28/24 12:45	10/28/24 18:35	1
Dibromomethane	ND		0.57		ug/Kg		10/28/24 12:45	10/28/24 18:35	1
Dichlorodifluoromethane	ND		1.1		ug/Kg		10/28/24 12:45	10/28/24 18:35	1
Ethylbenzene	ND		0.57		ug/Kg		10/28/24 12:45	10/28/24 18:35	1
Isopropylbenzene	ND		0.57		ug/Kg		10/28/24 12:45	10/28/24 18:35	1
Methylene Chloride	ND		5.7		ug/Kg		10/28/24 12:45	10/28/24 18:35	1
Methyl-t-Butyl Ether (MTBE)	ND		1.1		ug/Kg		10/28/24 12:45	10/28/24 18:35	1
Naphthalene	ND		5.7		ug/Kg		10/28/24 12:45	10/28/24 18:35	1
n-Butylbenzene	ND		0.57		ug/Kg		10/28/24 12:45	10/28/24 18:35	1
N-Propylbenzene	ND		1.1		ug/Kg		10/28/24 12:45	10/28/24 18:35	1
o-Xylene	ND		0.57		ug/Kg		10/28/24 12:45	10/28/24 18:35	1
m,p-Xylene	ND		1.1		ug/Kg		10/28/24 12:45	10/28/24 18:35	1
p-Isopropyltoluene	ND		0.57		ug/Kg		10/28/24 12:45	10/28/24 18:35	1
sec-Butylbenzene	ND		0.57		ug/Kg		10/28/24 12:45	10/28/24 18:35	1
Styrene	ND		0.57		ug/Kg		10/28/24 12:45	10/28/24 18:35	1
trans-1,2-Dichloroethene	ND		0.57		ug/Kg		10/28/24 12:45	10/28/24 18:35	1
trans-1,3-Dichloropropene	ND		1.1		ug/Kg		10/28/24 12:45	10/28/24 18:35	1
tert-Butylbenzene	ND		0.57		ug/Kg		10/28/24 12:45	10/28/24 18:35	1
Tetrachloroethene	ND		0.57		ug/Kg		10/28/24 12:45	10/28/24 18:35	1
Toluene	ND		0.57		ug/Kg		10/28/24 12:45	10/28/24 18:35	1
Trichloroethene	ND		1.1		ug/Kg		10/28/24 12:45	10/28/24 18:35	1
Trichlorofluoromethane	ND		5.7		ug/Kg		10/28/24 12:45	10/28/24 18:35	1
Vinyl acetate	ND		5.7		ug/Kg		10/28/24 12:45	10/28/24 18:35	1
Vinyl chloride	ND		0.57		ug/Kg		10/28/24 12:45	10/28/24 18:35	1
Xylenes, Total	ND		1.1		ug/Kg		10/28/24 12:45	10/28/24 18:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*126*		*32 - 179*	*10/28/24 12:45*	*10/28/24 18:35*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*	*10/28/24 12:45*	*10/28/24 18:35*	*1*

Method: SW846 8260B/5035 - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: NSP-SE
Date Collected: 10/23/24 11:15
Date Received: 10/28/24 09:30

Lab Sample ID: 570-204602-2
Matrix: Solid

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*112*		*58 - 147*	*10/28/24 12:45*	*10/28/24 18:35*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*	*10/28/24 12:45*	*10/28/24 18:35*	*1*

Client Sample ID: SSP-NW
Date Collected: 10/23/24 12:35
Date Received: 10/28/24 09:30

Lab Sample ID: 570-204602-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.60		ug/Kg		10/28/24 12:45	10/28/24 18:56	1
1,1,1-Trichloroethane	ND		0.60		ug/Kg		10/28/24 12:45	10/28/24 18:56	1
1,1,2,2-Tetrachloroethane	ND		1.2		ug/Kg		10/28/24 12:45	10/28/24 18:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6.0		ug/Kg		10/28/24 12:45	10/28/24 18:56	1
1,1,2-Trichloroethane	ND		0.60		ug/Kg		10/28/24 12:45	10/28/24 18:56	1
1,1-Dichloroethane	ND		0.60		ug/Kg		10/28/24 12:45	10/28/24 18:56	1
1,1-Dichloroethene	ND		0.60		ug/Kg		10/28/24 12:45	10/28/24 18:56	1
1,1-Dichloropropene	ND		1.2		ug/Kg		10/28/24 12:45	10/28/24 18:56	1
1,2,3-Trichlorobenzene	ND		1.2		ug/Kg		10/28/24 12:45	10/28/24 18:56	1
1,2,3-Trichloropropane	ND		1.2		ug/Kg		10/28/24 12:45	10/28/24 18:56	1
1,2,4-Trichlorobenzene	ND		1.2		ug/Kg		10/28/24 12:45	10/28/24 18:56	1
1,2,4-Trimethylbenzene	ND		1.2		ug/Kg		10/28/24 12:45	10/28/24 18:56	1
1,2-Dibromo-3-Chloropropane	ND		6.0		ug/Kg		10/28/24 12:45	10/28/24 18:56	1
1,2-Dibromoethane	ND		0.60		ug/Kg		10/28/24 12:45	10/28/24 18:56	1
1,2-Dichlorobenzene	ND		0.60		ug/Kg		10/28/24 12:45	10/28/24 18:56	1
1,2-Dichloroethane	ND		0.60		ug/Kg		10/28/24 12:45	10/28/24 18:56	1
1,2-Dichloropropane	ND		0.60		ug/Kg		10/28/24 12:45	10/28/24 18:56	1
1,3,5-Trimethylbenzene	ND		1.2		ug/Kg		10/28/24 12:45	10/28/24 18:56	1
1,3-Dichlorobenzene	ND		0.60		ug/Kg		10/28/24 12:45	10/28/24 18:56	1
1,3-Dichloropropane	ND		0.60		ug/Kg		10/28/24 12:45	10/28/24 18:56	1
1,4-Dichlorobenzene	ND		0.60		ug/Kg		10/28/24 12:45	10/28/24 18:56	1
2,2-Dichloropropane	ND		3.0		ug/Kg		10/28/24 12:45	10/28/24 18:56	1
2-Butanone (MEK)	**44**		12		ug/Kg		10/28/24 12:45	10/28/24 18:56	1
2-Chlorotoluene	ND		0.60		ug/Kg		10/28/24 12:45	10/28/24 18:56	1
2-Hexanone	ND		12		ug/Kg		10/28/24 12:45	10/28/24 18:56	1
4-Chlorotoluene	ND		0.60		ug/Kg		10/28/24 12:45	10/28/24 18:56	1
4-Methyl-2-pentanone (MIBK)	ND		12		ug/Kg		10/28/24 12:45	10/28/24 18:56	1
Acetone	**270**	**E**	12		ug/Kg		10/28/24 12:45	10/28/24 18:56	1
Benzene	ND		0.60		ug/Kg		10/28/24 12:45	10/28/24 18:56	1
Bromobenzene	ND		0.60		ug/Kg		10/28/24 12:45	10/28/24 18:56	1
Bromochloromethane	ND		1.2		ug/Kg		10/28/24 12:45	10/28/24 18:56	1
Bromodichloromethane	ND		0.60		ug/Kg		10/28/24 12:45	10/28/24 18:56	1
Bromoform	ND		3.0		ug/Kg		10/28/24 12:45	10/28/24 18:56	1
Bromomethane	ND		12		ug/Kg		10/28/24 12:45	10/28/24 18:56	1
cis-1,2-Dichloroethene	ND		0.60		ug/Kg		10/28/24 12:45	10/28/24 18:56	1
cis-1,3-Dichloropropene	ND		0.60		ug/Kg		10/28/24 12:45	10/28/24 18:56	1
Carbon disulfide	ND		6.0		ug/Kg		10/28/24 12:45	10/28/24 18:56	1
Carbon tetrachloride	ND		0.60		ug/Kg		10/28/24 12:45	10/28/24 18:56	1
Chlorobenzene	ND		0.60		ug/Kg		10/28/24 12:45	10/28/24 18:56	1
Chloroethane	ND		1.2		ug/Kg		10/28/24 12:45	10/28/24 18:56	1
Chloroform	ND		0.60		ug/Kg		10/28/24 12:45	10/28/24 18:56	1
Chloromethane	ND		12		ug/Kg		10/28/24 12:45	10/28/24 18:56	1

Method: SW846 8260B/5035 - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: SSP-NW
Date Collected: 10/23/24 12:35
Date Received: 10/28/24 09:30

Lab Sample ID: 570-204602-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromochloromethane	ND		1.2		ug/Kg		10/28/24 12:45	10/28/24 18:56	1
Dibromomethane	ND		0.60		ug/Kg		10/28/24 12:45	10/28/24 18:56	1
Dichlorodifluoromethane	ND		1.2		ug/Kg		10/28/24 12:45	10/28/24 18:56	1
Ethylbenzene	ND		0.60		ug/Kg		10/28/24 12:45	10/28/24 18:56	1
Isopropylbenzene	ND		0.60		ug/Kg		10/28/24 12:45	10/28/24 18:56	1
Methylene Chloride	ND		6.0		ug/Kg		10/28/24 12:45	10/28/24 18:56	1
Methyl-t-Butyl Ether (MTBE)	ND		1.2		ug/Kg		10/28/24 12:45	10/28/24 18:56	1
Naphthalene	ND		6.0		ug/Kg		10/28/24 12:45	10/28/24 18:56	1
n-Butylbenzene	ND		0.60		ug/Kg		10/28/24 12:45	10/28/24 18:56	1
N-Propylbenzene	ND		1.2		ug/Kg		10/28/24 12:45	10/28/24 18:56	1
o-Xylene	ND		0.60		ug/Kg		10/28/24 12:45	10/28/24 18:56	1
m,p-Xylene	ND		1.2		ug/Kg		10/28/24 12:45	10/28/24 18:56	1
p-Isopropyltoluene	ND		0.60		ug/Kg		10/28/24 12:45	10/28/24 18:56	1
sec-Butylbenzene	ND		0.60		ug/Kg		10/28/24 12:45	10/28/24 18:56	1
Styrene	ND		0.60		ug/Kg		10/28/24 12:45	10/28/24 18:56	1
trans-1,2-Dichloroethene	ND		0.60		ug/Kg		10/28/24 12:45	10/28/24 18:56	1
trans-1,3-Dichloropropene	ND		1.2		ug/Kg		10/28/24 12:45	10/28/24 18:56	1
tert-Butylbenzene	ND		0.60		ug/Kg		10/28/24 12:45	10/28/24 18:56	1
Tetrachloroethene	ND		0.60		ug/Kg		10/28/24 12:45	10/28/24 18:56	1
Toluene	ND		0.60		ug/Kg		10/28/24 12:45	10/28/24 18:56	1
Trichloroethene	ND		1.2		ug/Kg		10/28/24 12:45	10/28/24 18:56	1
Trichlorofluoromethane	ND		6.0		ug/Kg		10/28/24 12:45	10/28/24 18:56	1
Vinyl acetate	ND		6.0		ug/Kg		10/28/24 12:45	10/28/24 18:56	1
Vinyl chloride	ND		0.60		ug/Kg		10/28/24 12:45	10/28/24 18:56	1
Xylenes, Total	ND		1.2		ug/Kg		10/28/24 12:45	10/28/24 18:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*125*		*32 - 179*	*10/28/24 12:45*	*10/28/24 18:56*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*	*10/28/24 12:45*	*10/28/24 18:56*	*1*
Dibromofluoromethane (Surr)	*109*		*58 - 147*	*10/28/24 12:45*	*10/28/24 18:56*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*	*10/28/24 12:45*	*10/28/24 18:56*	*1*

Client Sample ID: SSP-SE
Date Collected: 10/23/24 12:30
Date Received: 10/28/24 09:30

Lab Sample ID: 570-204602-4
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.43		ug/Kg		10/28/24 12:45	10/28/24 19:17	1
1,1,1-Trichloroethane	ND		0.43		ug/Kg		10/28/24 12:45	10/28/24 19:17	1
1,1,2,2-Tetrachloroethane	ND		0.86		ug/Kg		10/28/24 12:45	10/28/24 19:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.3		ug/Kg		10/28/24 12:45	10/28/24 19:17	1
1,1,2-Trichloroethane	ND		0.43		ug/Kg		10/28/24 12:45	10/28/24 19:17	1
1,1-Dichloroethane	ND		0.43		ug/Kg		10/28/24 12:45	10/28/24 19:17	1
1,1-Dichloroethene	ND		0.43		ug/Kg		10/28/24 12:45	10/28/24 19:17	1
1,1-Dichloropropene	ND		0.86		ug/Kg		10/28/24 12:45	10/28/24 19:17	1
1,2,3-Trichlorobenzene	ND		0.86		ug/Kg		10/28/24 12:45	10/28/24 19:17	1
1,2,3-Trichloropropane	ND		0.86		ug/Kg		10/28/24 12:45	10/28/24 19:17	1
1,2,4-Trichlorobenzene	ND		0.86		ug/Kg		10/28/24 12:45	10/28/24 19:17	1
1,2,4-Trimethylbenzene	ND		0.86		ug/Kg		10/28/24 12:45	10/28/24 19:17	1
1,2-Dibromo-3-Chloropropane	ND		4.3		ug/Kg		10/28/24 12:45	10/28/24 19:17	1
1,2-Dibromoethane	ND		0.43		ug/Kg		10/28/24 12:45	10/28/24 19:17	1

Method: SW846 8260B/5035 - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: SSP-SE
Date Collected: 10/23/24 12:30
Date Received: 10/28/24 09:30

Lab Sample ID: 570-204602-4
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		0.43		ug/Kg		10/28/24 12:45	10/28/24 19:17	1
1,2-Dichloroethane	ND		0.43		ug/Kg		10/28/24 12:45	10/28/24 19:17	1
1,2-Dichloropropane	ND		0.43		ug/Kg		10/28/24 12:45	10/28/24 19:17	1
1,3,5-Trimethylbenzene	ND		0.86		ug/Kg		10/28/24 12:45	10/28/24 19:17	1
1,3-Dichlorobenzene	ND		0.43		ug/Kg		10/28/24 12:45	10/28/24 19:17	1
1,3-Dichloropropane	ND		0.43		ug/Kg		10/28/24 12:45	10/28/24 19:17	1
1,4-Dichlorobenzene	ND		0.43		ug/Kg		10/28/24 12:45	10/28/24 19:17	1
2,2-Dichloropropane	ND		2.1		ug/Kg		10/28/24 12:45	10/28/24 19:17	1
2-Butanone (MEK)	**14**		8.6		ug/Kg		10/28/24 12:45	10/28/24 19:17	1
2-Chlorotoluene	ND		0.43		ug/Kg		10/28/24 12:45	10/28/24 19:17	1
2-Hexanone	ND		8.6		ug/Kg		10/28/24 12:45	10/28/24 19:17	1
4-Chlorotoluene	ND		0.43		ug/Kg		10/28/24 12:45	10/28/24 19:17	1
4-Methyl-2-pentanone (MIBK)	ND		8.6		ug/Kg		10/28/24 12:45	10/28/24 19:17	1
Acetone	**130**	**E**	8.6		ug/Kg		10/28/24 12:45	10/28/24 19:17	1
Benzene	ND		0.43		ug/Kg		10/28/24 12:45	10/28/24 19:17	1
Bromobenzene	ND		0.43		ug/Kg		10/28/24 12:45	10/28/24 19:17	1
Bromochloromethane	ND		0.86		ug/Kg		10/28/24 12:45	10/28/24 19:17	1
Bromodichloromethane	ND		0.43		ug/Kg		10/28/24 12:45	10/28/24 19:17	1
Bromoform	ND		2.1		ug/Kg		10/28/24 12:45	10/28/24 19:17	1
Bromomethane	ND		8.6		ug/Kg		10/28/24 12:45	10/28/24 19:17	1
cis-1,2-Dichloroethene	ND		0.43		ug/Kg		10/28/24 12:45	10/28/24 19:17	1
cis-1,3-Dichloropropene	ND		0.43		ug/Kg		10/28/24 12:45	10/28/24 19:17	1
Carbon disulfide	ND		4.3		ug/Kg		10/28/24 12:45	10/28/24 19:17	1
Carbon tetrachloride	ND		0.43		ug/Kg		10/28/24 12:45	10/28/24 19:17	1
Chlorobenzene	ND		0.43		ug/Kg		10/28/24 12:45	10/28/24 19:17	1
Chloroethane	ND		0.86		ug/Kg		10/28/24 12:45	10/28/24 19:17	1
Chloroform	ND		0.43		ug/Kg		10/28/24 12:45	10/28/24 19:17	1
Chloromethane	ND		8.6		ug/Kg		10/28/24 12:45	10/28/24 19:17	1
Dibromochloromethane	ND		0.86		ug/Kg		10/28/24 12:45	10/28/24 19:17	1
Dibromomethane	ND		0.43		ug/Kg		10/28/24 12:45	10/28/24 19:17	1
Dichlorodifluoromethane	ND		0.86		ug/Kg		10/28/24 12:45	10/28/24 19:17	1
Ethylbenzene	ND		0.43		ug/Kg		10/28/24 12:45	10/28/24 19:17	1
Isopropylbenzene	ND		0.43		ug/Kg		10/28/24 12:45	10/28/24 19:17	1
Methylene Chloride	ND		4.3		ug/Kg		10/28/24 12:45	10/28/24 19:17	1
Methyl-t-Butyl Ether (MTBE)	ND		0.86		ug/Kg		10/28/24 12:45	10/28/24 19:17	1
Naphthalene	ND		4.3		ug/Kg		10/28/24 12:45	10/28/24 19:17	1
n-Butylbenzene	ND		0.43		ug/Kg		10/28/24 12:45	10/28/24 19:17	1
N-Propylbenzene	ND		0.86		ug/Kg		10/28/24 12:45	10/28/24 19:17	1
o-Xylene	ND		0.43		ug/Kg		10/28/24 12:45	10/28/24 19:17	1
m,p-Xylene	ND		0.86		ug/Kg		10/28/24 12:45	10/28/24 19:17	1
p-Isopropyltoluene	ND		0.43		ug/Kg		10/28/24 12:45	10/28/24 19:17	1
sec-Butylbenzene	ND		0.43		ug/Kg		10/28/24 12:45	10/28/24 19:17	1
Styrene	ND		0.43		ug/Kg		10/28/24 12:45	10/28/24 19:17	1
trans-1,2-Dichloroethene	ND		0.43		ug/Kg		10/28/24 12:45	10/28/24 19:17	1
trans-1,3-Dichloropropene	ND		0.86		ug/Kg		10/28/24 12:45	10/28/24 19:17	1
tert-Butylbenzene	ND		0.43		ug/Kg		10/28/24 12:45	10/28/24 19:17	1
Tetrachloroethene	ND		0.43		ug/Kg		10/28/24 12:45	10/28/24 19:17	1
Toluene	ND		0.43		ug/Kg		10/28/24 12:45	10/28/24 19:17	1
Trichloroethene	ND		0.86		ug/Kg		10/28/24 12:45	10/28/24 19:17	1

Method: SW846 8260B/5035 - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: SSP-SE
Date Collected: 10/23/24 12:30
Date Received: 10/28/24 09:30

Lab Sample ID: 570-204602-4
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		4.3		ug/Kg		10/28/24 12:45	10/28/24 19:17	1
Vinyl acetate	ND		4.3		ug/Kg		10/28/24 12:45	10/28/24 19:17	1
Vinyl chloride	ND		0.43		ug/Kg		10/28/24 12:45	10/28/24 19:17	1
Xylenes, Total	ND		0.86		ug/Kg		10/28/24 12:45	10/28/24 19:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*130*		*32 - 179*	*10/28/24 12:45*	*10/28/24 19:17*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*	*10/28/24 12:45*	*10/28/24 19:17*	*1*
Dibromofluoromethane (Surr)	*117*		*58 - 147*	*10/28/24 12:45*	*10/28/24 19:17*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*	*10/28/24 12:45*	*10/28/24 19:17*	*1*

Method: SW846 8015B - Diesel Range Organics (DRO) (GC)

Client Sample ID: NSP-NW
Date Collected: 10/23/24 11:30
Date Received: 10/28/24 09:30

Lab Sample ID: 570-204602-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6	ND		49		mg/Kg		10/29/24 16:06	11/01/24 15:19	10
C7	ND		49		mg/Kg		10/29/24 16:06	11/01/24 15:19	10
C8	ND		49		mg/Kg		10/29/24 16:06	11/01/24 15:19	10
C9-C10	ND		49		mg/Kg		10/29/24 16:06	11/01/24 15:19	10
C11-C12	ND		49		mg/Kg		10/29/24 16:06	11/01/24 15:19	10
C13-C14	ND		49		mg/Kg		10/29/24 16:06	11/01/24 15:19	10
C15-C16	ND		49		mg/Kg		10/29/24 16:06	11/01/24 15:19	10
C17-C18	ND		49		mg/Kg		10/29/24 16:06	11/01/24 15:19	10
C19-C20	ND		49		mg/Kg		10/29/24 16:06	11/01/24 15:19	10
C21-C22	ND		49		mg/Kg		10/29/24 16:06	11/01/24 15:19	10
C23-C24	**70**		49		mg/Kg		10/29/24 16:06	11/01/24 15:19	10
C25-C28	**250**		49		mg/Kg		10/29/24 16:06	11/01/24 15:19	10
C29-C32	**340**		49		mg/Kg		10/29/24 16:06	11/01/24 15:19	10
C33-C36	**250**		49		mg/Kg		10/29/24 16:06	11/01/24 15:19	10
C37-C40	**150**		49		mg/Kg		10/29/24 16:06	11/01/24 15:19	10
C41-C44	**140**		49		mg/Kg		10/29/24 16:06	11/01/24 15:19	10
C6-C44	**1300**		49		mg/Kg		10/29/24 16:06	11/01/24 15:19	10
Diesel Range Organics [C10-C28]	**410**		49		mg/Kg		10/29/24 16:06	11/01/24 15:19	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*70*		*60 - 138*	*10/29/24 16:06*	*11/01/24 15:19*	*10*

Client Sample ID: NSP-SE
Date Collected: 10/23/24 11:15
Date Received: 10/28/24 09:30

Lab Sample ID: 570-204602-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6	ND		250		mg/Kg		10/29/24 16:06	11/01/24 15:43	50
C7	ND		250		mg/Kg		10/29/24 16:06	11/01/24 15:43	50
C8	ND		250		mg/Kg		10/29/24 16:06	11/01/24 15:43	50
C9-C10	ND		250		mg/Kg		10/29/24 16:06	11/01/24 15:43	50
C11-C12	ND		250		mg/Kg		10/29/24 16:06	11/01/24 15:43	50
C13-C14	ND		250		mg/Kg		10/29/24 16:06	11/01/24 15:43	50
C15-C16	ND		250		mg/Kg		10/29/24 16:06	11/01/24 15:43	50
C17-C18	ND		250		mg/Kg		10/29/24 16:06	11/01/24 15:43	50
C19-C20	ND		250		mg/Kg		10/29/24 16:06	11/01/24 15:43	50
C21-C22	ND		250		mg/Kg		10/29/24 16:06	11/01/24 15:43	50
C23-C24	ND		250		mg/Kg		10/29/24 16:06	11/01/24 15:43	50
C25-C28	**260**		250		mg/Kg		10/29/24 16:06	11/01/24 15:43	50
C29-C32	**440**		250		mg/Kg		10/29/24 16:06	11/01/24 15:43	50
C33-C36	**440**		250		mg/Kg		10/29/24 16:06	11/01/24 15:43	50
C37-C40	**350**		250		mg/Kg		10/29/24 16:06	11/01/24 15:43	50
C41-C44	**400**		250		mg/Kg		10/29/24 16:06	11/01/24 15:43	50
C6-C44	**2200**		250		mg/Kg		10/29/24 16:06	11/01/24 15:43	50
Diesel Range Organics [C10-C28]	**500**		250		mg/Kg		10/29/24 16:06	11/01/24 15:43	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*78*		*60 - 138*	*10/29/24 16:06*	*11/01/24 15:43*	*50*

Method: SW846 8015B - Diesel Range Organics (DRO) (GC)

Client Sample ID: SSP-NW
Lab Sample ID: 570-204602-3
Date Collected: 10/23/24 12:35
Matrix: Solid
Date Received: 10/28/24 09:30

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6	ND		48		mg/Kg		10/29/24 16:06	11/01/24 16:06	10
C7	ND		48		mg/Kg		10/29/24 16:06	11/01/24 16:06	10
C8	ND		48		mg/Kg		10/29/24 16:06	11/01/24 16:06	10
C9-C10	ND		48		mg/Kg		10/29/24 16:06	11/01/24 16:06	10
C11-C12	ND		48		mg/Kg		10/29/24 16:06	11/01/24 16:06	10
C13-C14	ND		48		mg/Kg		10/29/24 16:06	11/01/24 16:06	10
C15-C16	ND		48		mg/Kg		10/29/24 16:06	11/01/24 16:06	10
C17-C18	ND		48		mg/Kg		10/29/24 16:06	11/01/24 16:06	10
C19-C20	ND		48		mg/Kg		10/29/24 16:06	11/01/24 16:06	10
C21-C22	ND		48		mg/Kg		10/29/24 16:06	11/01/24 16:06	10
C23-C24	**72**		48		mg/Kg		10/29/24 16:06	11/01/24 16:06	10
C25-C28	**270**		48		mg/Kg		10/29/24 16:06	11/01/24 16:06	10
C29-C32	**570**		48		mg/Kg		10/29/24 16:06	11/01/24 16:06	10
C33-C36	**620**		48		mg/Kg		10/29/24 16:06	11/01/24 16:06	10
C37-C40	**530**		48		mg/Kg		10/29/24 16:06	11/01/24 16:06	10
C41-C44	**540**		48		mg/Kg		10/29/24 16:06	11/01/24 16:06	10
C6-C44	**2700**		48		mg/Kg		10/29/24 16:06	11/01/24 16:06	10
Diesel Range Organics [C10-C28]	**480**		48		mg/Kg		10/29/24 16:06	11/01/24 16:06	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*79*		*60 - 138*	*10/29/24 16:06*	*11/01/24 16:06*	*10*

Method: SW846 8015B - Diesel Range Organics (DRO) (GC) - DL

Client Sample ID: SSP-SE
Date Collected: 10/23/24 12:30
Date Received: 10/28/24 09:30

Lab Sample ID: 570-204602-4
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6	ND		48		mg/Kg		10/29/24 16:06	10/30/24 17:24	10
C7	ND		48		mg/Kg		10/29/24 16:06	10/30/24 17:24	10
C8	ND		48		mg/Kg		10/29/24 16:06	10/30/24 17:24	10
C9-C10	ND		48		mg/Kg		10/29/24 16:06	10/30/24 17:24	10
C11-C12	ND		48		mg/Kg		10/29/24 16:06	10/30/24 17:24	10
C13-C14	ND		48		mg/Kg		10/29/24 16:06	10/30/24 17:24	10
C15-C16	ND		48		mg/Kg		10/29/24 16:06	10/30/24 17:24	10
C17-C18	ND		48		mg/Kg		10/29/24 16:06	10/30/24 17:24	10
C19-C20	ND		48		mg/Kg		10/29/24 16:06	10/30/24 17:24	10
C21-C22	ND		48		mg/Kg		10/29/24 16:06	10/30/24 17:24	10
C23-C24	**74**		48		mg/Kg		10/29/24 16:06	10/30/24 17:24	10
C25-C28	**300**		48		mg/Kg		10/29/24 16:06	10/30/24 17:24	10
C29-C32	**390**		48		mg/Kg		10/29/24 16:06	10/30/24 17:24	10
C33-C36	**180**		48		mg/Kg		10/29/24 16:06	10/30/24 17:24	10
C37-C40	**87**		48		mg/Kg		10/29/24 16:06	10/30/24 17:24	10
C41-C44	**64**		48		mg/Kg		10/29/24 16:06	10/30/24 17:24	10
C6-C44	**1200**		48		mg/Kg		10/29/24 16:06	10/30/24 17:24	10
Diesel Range Organics [C10-C28]	**460**		48		mg/Kg		10/29/24 16:06	10/30/24 17:24	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*71*		*60 - 138*	*10/29/24 16:06*	*10/30/24 17:24*	*10*

Method: SW846 6010B - Metals (ICP)

Client Sample ID: NSP-NW
Date Collected: 10/23/24 11:30
Date Received: 10/28/24 09:30

Lab Sample ID: 570-204602-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.26		mg/Kg		10/29/24 11:16	10/29/24 18:21	2
Arsenic	ND		2.78		mg/Kg		10/29/24 11:16	10/29/24 18:21	2
Barium	**57.1**		1.85		mg/Kg		10/29/24 11:16	10/29/24 18:21	2
Beryllium	ND		0.370		mg/Kg		10/29/24 11:16	10/29/24 18:21	2
Cadmium	ND		0.370		mg/Kg		10/29/24 11:16	10/29/24 18:21	2
Chromium	**32.0**		0.926		mg/Kg		10/29/24 11:16	10/29/24 18:21	2
Cobalt	**5.91**		1.85		mg/Kg		10/29/24 11:16	10/29/24 18:21	2
Copper	**20.5**		1.85		mg/Kg		10/29/24 11:16	10/29/24 18:21	2
Lead	**10.7**		1.85		mg/Kg		10/29/24 11:16	10/29/24 18:21	2
Molybdenum	ND		3.70		mg/Kg		10/29/24 11:16	10/29/24 18:21	2
Nickel	**30.9**		1.85		mg/Kg		10/29/24 11:16	10/29/24 18:21	2
Selenium	ND		2.78		mg/Kg		10/29/24 11:16	10/29/24 18:21	2
Silver	ND		1.85		mg/Kg		10/29/24 11:16	10/29/24 18:21	2
Thallium	ND		9.26		mg/Kg		10/29/24 11:16	10/29/24 18:21	2
Vanadium	**35.4**		3.70		mg/Kg		10/29/24 11:16	10/29/24 18:21	2
Zinc	**47.8**		3.70		mg/Kg		10/29/24 11:16	10/29/24 18:21	2

Client Sample ID: NSP-SE
Date Collected: 10/23/24 11:15
Date Received: 10/28/24 09:30

Lab Sample ID: 570-204602-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.44		mg/Kg		10/29/24 11:16	10/29/24 18:24	2
Arsenic	**3.53**		2.83		mg/Kg		10/29/24 11:16	10/29/24 18:24	2
Barium	**64.0**		1.89		mg/Kg		10/29/24 11:16	10/29/24 18:24	2
Beryllium	ND		0.378		mg/Kg		10/29/24 11:16	10/29/24 18:24	2
Cadmium	ND		0.378		mg/Kg		10/29/24 11:16	10/29/24 18:24	2
Chromium	**43.9**		0.944		mg/Kg		10/29/24 11:16	10/29/24 18:24	2
Cobalt	**8.67**		1.89		mg/Kg		10/29/24 11:16	10/29/24 18:24	2
Copper	**24.1**		1.89		mg/Kg		10/29/24 11:16	10/29/24 18:24	2
Lead	**15.0**		1.89		mg/Kg		10/29/24 11:16	10/29/24 18:24	2
Molybdenum	ND		3.78		mg/Kg		10/29/24 11:16	10/29/24 18:24	2
Nickel	**83.8**		1.89		mg/Kg		10/29/24 11:16	10/29/24 18:24	2
Selenium	ND		2.83		mg/Kg		10/29/24 11:16	10/29/24 18:24	2
Silver	ND		1.89		mg/Kg		10/29/24 11:16	10/29/24 18:24	2
Thallium	ND		9.44		mg/Kg		10/29/24 11:16	10/29/24 18:24	2
Vanadium	**34.7**		3.78		mg/Kg		10/29/24 11:16	10/29/24 18:24	2
Zinc	**49.4**		3.78		mg/Kg		10/29/24 11:16	10/29/24 18:24	2

Client Sample ID: SSP-NW
Date Collected: 10/23/24 12:35
Date Received: 10/28/24 09:30

Lab Sample ID: 570-204602-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.57		mg/Kg		10/29/24 11:16	10/29/24 18:26	2
Arsenic	ND		2.87		mg/Kg		10/29/24 11:16	10/29/24 18:26	2
Barium	**53.7**		1.91		mg/Kg		10/29/24 11:16	10/29/24 18:26	2
Beryllium	ND		0.383		mg/Kg		10/29/24 11:16	10/29/24 18:26	2
Cadmium	ND		0.383		mg/Kg		10/29/24 11:16	10/29/24 18:26	2
Chromium	**24.8**		0.957		mg/Kg		10/29/24 11:16	10/29/24 18:26	2
Cobalt	**6.13**		1.91		mg/Kg		10/29/24 11:16	10/29/24 18:26	2
Copper	**20.6**		1.91		mg/Kg		10/29/24 11:16	10/29/24 18:26	2

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

Client Sample ID: SSP-NW
Date Collected: 10/23/24 12:35
Date Received: 10/28/24 09:30
Lab Sample ID: 570-204602-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**6.63**		1.91		mg/Kg		10/29/24 11:16	10/29/24 18:26	2
Molybdenum	ND		3.83		mg/Kg		10/29/24 11:16	10/29/24 18:26	2
Nickel	**33.1**		1.91		mg/Kg		10/29/24 11:16	10/29/24 18:26	2
Selenium	ND		2.87		mg/Kg		10/29/24 11:16	10/29/24 18:26	2
Silver	ND		1.91		mg/Kg		10/29/24 11:16	10/29/24 18:26	2
Thallium	ND		9.57		mg/Kg		10/29/24 11:16	10/29/24 18:26	2
Vanadium	**33.3**		3.83		mg/Kg		10/29/24 11:16	10/29/24 18:26	2
Zinc	**40.9**		3.83		mg/Kg		10/29/24 11:16	10/29/24 18:26	2

Client Sample ID: SSP-SE
Date Collected: 10/23/24 12:30
Date Received: 10/28/24 09:30
Lab Sample ID: 570-204602-4
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10.2		mg/Kg		10/29/24 11:16	10/29/24 18:28	2
Arsenic	ND		3.06		mg/Kg		10/29/24 11:16	10/29/24 18:28	2
Barium	**48.7**		2.04		mg/Kg		10/29/24 11:16	10/29/24 18:28	2
Beryllium	ND		0.408		mg/Kg		10/29/24 11:16	10/29/24 18:28	2
Cadmium	ND		0.408		mg/Kg		10/29/24 11:16	10/29/24 18:28	2
Chromium	**17.3**		1.02		mg/Kg		10/29/24 11:16	10/29/24 18:28	2
Cobalt	**4.41**		2.04		mg/Kg		10/29/24 11:16	10/29/24 18:28	2
Copper	**15.6**		2.04		mg/Kg		10/29/24 11:16	10/29/24 18:28	2
Lead	**11.6**		2.04		mg/Kg		10/29/24 11:16	10/29/24 18:28	2
Molybdenum	ND		4.08		mg/Kg		10/29/24 11:16	10/29/24 18:28	2
Nickel	**22.5**		2.04		mg/Kg		10/29/24 11:16	10/29/24 18:28	2
Selenium	ND		3.06		mg/Kg		10/29/24 11:16	10/29/24 18:28	2
Silver	ND		2.04		mg/Kg		10/29/24 11:16	10/29/24 18:28	2
Thallium	ND		10.2		mg/Kg		10/29/24 11:16	10/29/24 18:28	2
Vanadium	**28.2**		4.08		mg/Kg		10/29/24 11:16	10/29/24 18:28	2
Zinc	**28.8**		4.08		mg/Kg		10/29/24 11:16	10/29/24 18:28	2

Client: Partner Engineering and Science, Inc
Job ID: 570-204602-1
Project/Site: 23-431712.1 Ramona Avenue Property

Method: SW846 7471A - Mercury (CVAA)

Client Sample ID: NSP-NW
Date Collected: 10/23/24 11:30
Date Received: 10/28/24 09:30
Lab Sample ID: 570-204602-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0817		mg/Kg		10/30/24 11:08	10/30/24 13:39	1

Client Sample ID: NSP-SE
Date Collected: 10/23/24 11:15
Date Received: 10/28/24 09:30
Lab Sample ID: 570-204602-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0786		mg/Kg		10/30/24 11:08	10/30/24 13:41	1

Client Sample ID: SSP-NW
Date Collected: 10/23/24 12:35
Date Received: 10/28/24 09:30
Lab Sample ID: 570-204602-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0786		mg/Kg		10/30/24 11:08	10/30/24 13:57	1

Client Sample ID: SSP-SE
Date Collected: 10/23/24 12:30
Date Received: 10/28/24 09:30
Lab Sample ID: 570-204602-4
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0817		mg/Kg		10/30/24 11:08	10/30/24 13:59	1

Surrogate Summary

Client: Partner Engineering and Science, Inc
Project/Site: 23-431712.1 Ramona Avenue Property

Job ID: 570-204602-1

Method: 8260B/5035 - Volatile Organic Compounds (GC/MS)

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

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(32-179)	(80-120)	(58-147)	(80-120)
570-204602-1	NSP-NW	128	93	114	98
570-204602-2	NSP-SE	126	98	112	100
570-204602-3	SSP-NW	125	100	109	100
570-204602-4	SSP-SE	130	99	117	100
LCS 570-496548/3	Lab Control Sample	104	102	104	104
LCSD 570-496548/4	Lab Control Sample Dup	104	101	105	103
MB 570-496548/5	Method Blank	112	99	107	103

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)
		OTCSN1
Lab Sample ID	Client Sample ID	(60-138)
570-204602-1	NSP-NW	70
570-204602-2	NSP-SE	78
570-204602-3	SSP-NW	79
570-204602-4 - DL	SSP-SE	71
570-204602-4 MS - DL	SSP-SE	80
570-204602-4 MSD - DL	SSP-SE	77
LCS 570-497022/2-A	Lab Control Sample	84
LCSD 570-497022/3-A	Lab Control Sample Dup	79
MB 570-497022/1-A	Method Blank	90

Surrogate Legend

OTCSN = n-Octacosane (Surr)

Method: 8260B/5035 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 570-496548/5
Matrix: Solid
Analysis Batch: 496548

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		1.0		ug/Kg			10/28/24 17:31	1
1,1,1-Trichloroethane	ND		1.0		ug/Kg			10/28/24 17:31	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/Kg			10/28/24 17:31	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10		ug/Kg			10/28/24 17:31	1
1,1,2-Trichloroethane	ND		1.0		ug/Kg			10/28/24 17:31	1
1,1-Dichloroethane	ND		1.0		ug/Kg			10/28/24 17:31	1
1,1-Dichloroethene	ND		1.0		ug/Kg			10/28/24 17:31	1
1,1-Dichloropropene	ND		2.0		ug/Kg			10/28/24 17:31	1
1,2,3-Trichlorobenzene	ND		2.0		ug/Kg			10/28/24 17:31	1
1,2,3-Trichloropropane	ND		2.0		ug/Kg			10/28/24 17:31	1
1,2,4-Trichlorobenzene	ND		2.0		ug/Kg			10/28/24 17:31	1
1,2,4-Trimethylbenzene	ND		2.0		ug/Kg			10/28/24 17:31	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/Kg			10/28/24 17:31	1
1,2-Dibromoethane	ND		1.0		ug/Kg			10/28/24 17:31	1
1,2-Dichlorobenzene	ND		1.0		ug/Kg			10/28/24 17:31	1
1,2-Dichloroethane	ND		1.0		ug/Kg			10/28/24 17:31	1
1,2-Dichloropropane	ND		1.0		ug/Kg			10/28/24 17:31	1
1,3,5-Trimethylbenzene	ND		2.0		ug/Kg			10/28/24 17:31	1
1,3-Dichlorobenzene	ND		1.0		ug/Kg			10/28/24 17:31	1
1,3-Dichloropropane	ND		1.0		ug/Kg			10/28/24 17:31	1
1,4-Dichlorobenzene	ND		1.0		ug/Kg			10/28/24 17:31	1
2,2-Dichloropropane	ND		5.0		ug/Kg			10/28/24 17:31	1
2-Butanone (MEK)	ND		20		ug/Kg			10/28/24 17:31	1
2-Chlorotoluene	ND		1.0		ug/Kg			10/28/24 17:31	1
2-Hexanone	ND		20		ug/Kg			10/28/24 17:31	1
4-Chlorotoluene	ND		1.0		ug/Kg			10/28/24 17:31	1
4-Methyl-2-pentanone (MIBK)	ND		20		ug/Kg			10/28/24 17:31	1
Acetone	ND		20		ug/Kg			10/28/24 17:31	1
Benzene	ND		1.0		ug/Kg			10/28/24 17:31	1
Bromobenzene	ND		1.0		ug/Kg			10/28/24 17:31	1
Bromochloromethane	ND		2.0		ug/Kg			10/28/24 17:31	1
Bromodichloromethane	ND		1.0		ug/Kg			10/28/24 17:31	1
Bromoform	ND		5.0		ug/Kg			10/28/24 17:31	1
Bromomethane	ND		20		ug/Kg			10/28/24 17:31	1
cis-1,2-Dichloroethene	ND		1.0		ug/Kg			10/28/24 17:31	1
cis-1,3-Dichloropropene	ND		1.0		ug/Kg			10/28/24 17:31	1
Carbon disulfide	ND		10		ug/Kg			10/28/24 17:31	1
Carbon tetrachloride	ND		1.0		ug/Kg			10/28/24 17:31	1
Chlorobenzene	ND		1.0		ug/Kg			10/28/24 17:31	1
Chloroethane	ND		2.0		ug/Kg			10/28/24 17:31	1
Chloroform	ND		1.0		ug/Kg			10/28/24 17:31	1
Chloromethane	ND		20		ug/Kg			10/28/24 17:31	1
Dibromochloromethane	ND		2.0		ug/Kg			10/28/24 17:31	1
Dibromomethane	ND		1.0		ug/Kg			10/28/24 17:31	1
Dichlorodifluoromethane	ND		2.0		ug/Kg			10/28/24 17:31	1
Ethylbenzene	ND		1.0		ug/Kg			10/28/24 17:31	1
Isopropylbenzene	ND		1.0		ug/Kg			10/28/24 17:31	1
Methylene Chloride	ND		10		ug/Kg			10/28/24 17:31	1

Method: 8260B/5035 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 570-496548/5
Matrix: Solid
Analysis Batch: 496548

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-t-Butyl Ether (MTBE)	ND		2.0		ug/Kg			10/28/24 17:31	1
Naphthalene	ND		10		ug/Kg			10/28/24 17:31	1
n-Butylbenzene	ND		1.0		ug/Kg			10/28/24 17:31	1
N-Propylbenzene	ND		2.0		ug/Kg			10/28/24 17:31	1
o-Xylene	ND		1.0		ug/Kg			10/28/24 17:31	1
m,p-Xylene	ND		2.0		ug/Kg			10/28/24 17:31	1
p-Isopropyltoluene	ND		1.0		ug/Kg			10/28/24 17:31	1
sec-Butylbenzene	ND		1.0		ug/Kg			10/28/24 17:31	1
Styrene	ND		1.0		ug/Kg			10/28/24 17:31	1
trans-1,2-Dichloroethene	ND		1.0		ug/Kg			10/28/24 17:31	1
trans-1,3-Dichloropropene	ND		2.0		ug/Kg			10/28/24 17:31	1
tert-Butylbenzene	ND		1.0		ug/Kg			10/28/24 17:31	1
Tetrachloroethene	ND		1.0		ug/Kg			10/28/24 17:31	1
Toluene	ND		1.0		ug/Kg			10/28/24 17:31	1
Trichloroethene	ND		2.0		ug/Kg			10/28/24 17:31	1
Trichlorofluoromethane	ND		10		ug/Kg			10/28/24 17:31	1
Vinyl acetate	ND		10		ug/Kg			10/28/24 17:31	1
Vinyl chloride	ND		1.0		ug/Kg			10/28/24 17:31	1
Xylenes, Total	ND		2.0		ug/Kg			10/28/24 17:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*32 - 179*		*10/28/24 17:31*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*10/28/24 17:31*	*1*
Dibromofluoromethane (Surr)	*107*		*58 - 147*		*10/28/24 17:31*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*10/28/24 17:31*	*1*

Lab Sample ID: LCS 570-496548/3
Matrix: Solid
Analysis Batch: 496548

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	50.0	48.66		ug/Kg		97	80 - 125
1,1,1-Trichloroethane	50.0	55.22		ug/Kg		110	78 - 130
1,1,2,2-Tetrachloroethane	50.0	42.84		ug/Kg		86	80 - 124
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	49.18		ug/Kg		98	73 - 130
1,1,2-Trichloroethane	50.0	46.15		ug/Kg		92	80 - 123
1,1-Dichloroethane	50.0	47.76		ug/Kg		96	79 - 124
1,1-Dichloroethene	50.0	50.93		ug/Kg		102	74 - 132
1,1-Dichloropropene	50.0	52.04		ug/Kg		104	78 - 130
1,2,3-Trichlorobenzene	50.0	53.30		ug/Kg		107	80 - 123
1,2,3-Trichloropropane	50.0	47.79		ug/Kg		96	79 - 120
1,2,4-Trichlorobenzene	50.0	54.40		ug/Kg		109	80 - 125
1,2,4-Trimethylbenzene	50.0	50.49		ug/Kg		101	80 - 124
1,2-Dibromo-3-Chloropropane	50.0	48.18		ug/Kg		96	67 - 120
1,2-Dibromoethane	50.0	48.63		ug/Kg		97	80 - 120
1,2-Dichlorobenzene	50.0	47.19		ug/Kg		94	80 - 120
1,2-Dichloroethane	50.0	48.53		ug/Kg		97	77 - 120
1,2-Dichloropropane	50.0	48.84		ug/Kg		98	80 - 126

Method: 8260B/5035 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 570-496548/3
Matrix: Solid
Analysis Batch: 496548

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,3,5-Trimethylbenzene	50.0	50.02		ug/Kg		100	80 - 121
1,3-Dichlorobenzene	50.0	47.33		ug/Kg		95	80 - 120
1,3-Dichloropropane	50.0	48.89		ug/Kg		98	80 - 120
1,4-Dichlorobenzene	50.0	46.01		ug/Kg		92	80 - 120
2,2-Dichloropropane	50.0	55.15		ug/Kg		110	73 - 135
2-Butanone (MEK)	50.0	51.92		ug/Kg		104	67 - 136
2-Chlorotoluene	50.0	49.26		ug/Kg		99	80 - 120
2-Hexanone	50.0	49.37		ug/Kg		99	70 - 137
4-Chlorotoluene	50.0	50.31		ug/Kg		101	80 - 121
4-Methyl-2-pentanone (MIBK)	50.0	47.97		ug/Kg		96	74 - 124
Acetone	50.0	54.02		ug/Kg		108	61 - 142
Benzene	50.0	49.27		ug/Kg		99	80 - 120
Bromobenzene	50.0	48.66		ug/Kg		97	80 - 120
Bromochloromethane	50.0	52.54		ug/Kg		105	80 - 120
Bromodichloromethane	50.0	50.95		ug/Kg		102	80 - 125
Bromoform	50.0	47.31		ug/Kg		95	74 - 138
Bromomethane	50.0	48.04		ug/Kg		96	58 - 136
cis-1,2-Dichloroethene	50.0	52.04		ug/Kg		104	80 - 124
cis-1,3-Dichloropropene	50.0	51.31		ug/Kg		103	80 - 123
Carbon disulfide	50.0	48.18		ug/Kg		96	68 - 128
Carbon tetrachloride	50.0	57.04		ug/Kg		114	75 - 140
Chlorobenzene	50.0	47.34		ug/Kg		95	80 - 120
Chloroethane	50.0	50.50		ug/Kg		101	76 - 137
Chloroform	50.0	50.68		ug/Kg		101	80 - 121
Chloromethane	50.0	52.55		ug/Kg		105	74 - 133
Dibromochloromethane	50.0	51.11		ug/Kg		102	80 - 132
Dibromomethane	50.0	50.82		ug/Kg		102	80 - 120
Dichlorodifluoromethane	50.0	61.12		ug/Kg		122	63 - 146
Ethylbenzene	50.0	49.46		ug/Kg		99	80 - 120
Isopropylbenzene	50.0	50.20		ug/Kg		100	80 - 122
Methylene Chloride	50.0	45.83		ug/Kg		92	74 - 120
Methyl-t-Butyl Ether (MTBE)	50.0	50.53		ug/Kg		101	79 - 123
Naphthalene	50.0	51.20		ug/Kg		102	79 - 121
n-Butylbenzene	50.0	51.90		ug/Kg		104	79 - 131
N-Propylbenzene	50.0	49.79		ug/Kg		100	80 - 122
o-Xylene	50.0	49.78		ug/Kg		100	80 - 120
m,p-Xylene	100	100.7		ug/Kg		101	80 - 120
p-Isopropyltoluene	50.0	52.36		ug/Kg		105	80 - 126
sec-Butylbenzene	50.0	49.86		ug/Kg		100	80 - 125
Styrene	50.0	48.34		ug/Kg		97	80 - 120
trans-1,2-Dichloroethene	50.0	49.37		ug/Kg		99	75 - 123
trans-1,3-Dichloropropene	50.0	51.02		ug/Kg		102	80 - 124
tert-Butylbenzene	50.0	48.00		ug/Kg		96	80 - 124
Tetrachloroethene	50.0	49.50		ug/Kg		99	80 - 122
Toluene	50.0	50.25		ug/Kg		100	80 - 120
Trichloroethene	50.0	52.22		ug/Kg		104	80 - 127
Trichlorofluoromethane	50.0	55.81		ug/Kg		112	70 - 144
Vinyl acetate	50.0	45.34		ug/Kg		91	71 - 125
Vinyl chloride	50.0	53.18		ug/Kg		106	79 - 133

Method: 8260B/5035 - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	104		32 - 179
4-Bromofluorobenzene (Surr)	102		80 - 120
Dibromofluoromethane (Surr)	104		58 - 147
Toluene-d8 (Surr)	104		80 - 120

Lab Sample ID: LCSD 570-496548/4
Matrix: Solid
Analysis Batch: 496548

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane			50.0	49.42		ug/Kg		99	80 - 125	2	20
1,1,1-Trichloroethane			50.0	55.80		ug/Kg		112	78 - 130	1	20
1,1,2,2-Tetrachloroethane			50.0	44.64		ug/Kg		89	80 - 124	4	20
1,1,2-Trichloro-1,2,2-trifluoroethane			50.0	49.98		ug/Kg		100	73 - 130	2	20
1,1,2-Trichloroethane			50.0	47.76		ug/Kg		96	80 - 123	3	20
1,1-Dichloroethane			50.0	54.49		ug/Kg		109	79 - 124	13	20
1,1-Dichloroethene			50.0	51.98		ug/Kg		104	74 - 132	2	20
1,1-Dichloropropene			50.0	53.99		ug/Kg		108	78 - 130	4	20
1,2,3-Trichlorobenzene			50.0	54.48		ug/Kg		109	80 - 123	2	20
1,2,3-Trichloropropane			50.0	48.85		ug/Kg		98	79 - 120	2	20
1,2,4-Trichlorobenzene			50.0	54.70		ug/Kg		109	80 - 125	1	20
1,2,4-Trimethylbenzene			50.0	51.46		ug/Kg		103	80 - 124	2	20
1,2-Dibromo-3-Chloropropane			50.0	48.27		ug/Kg		97	67 - 120	0	20
1,2-Dibromoethane			50.0	48.56		ug/Kg		97	80 - 120	0	20
1,2-Dichlorobenzene			50.0	47.90		ug/Kg		96	80 - 120	1	20
1,2-Dichloroethane			50.0	48.33		ug/Kg		97	77 - 120	0	20
1,2-Dichloropropane			50.0	49.89		ug/Kg		100	80 - 126	2	20
1,3,5-Trimethylbenzene			50.0	50.83		ug/Kg		102	80 - 121	2	20
1,3-Dichlorobenzene			50.0	47.58		ug/Kg		95	80 - 120	1	20
1,3-Dichloropropane			50.0	49.29		ug/Kg		99	80 - 120	1	20
1,4-Dichlorobenzene			50.0	45.93		ug/Kg		92	80 - 120	0	20
2,2-Dichloropropane			50.0	56.95		ug/Kg		114	73 - 135	3	20
2-Butanone (MEK)			50.0	49.76		ug/Kg		100	67 - 136	4	20
2-Chlorotoluene			50.0	49.94		ug/Kg		100	80 - 120	1	20
2-Hexanone			50.0	50.22		ug/Kg		100	70 - 137	2	20
4-Chlorotoluene			50.0	51.66		ug/Kg		103	80 - 121	3	20
4-Methyl-2-pentanone (MIBK)			50.0	48.35		ug/Kg		97	74 - 124	1	20
Acetone			50.0	48.17		ug/Kg		96	61 - 142	11	23
Benzene			50.0	49.45		ug/Kg		99	80 - 120	0	20
Bromobenzene			50.0	49.81		ug/Kg		100	80 - 120	2	20
Bromochloromethane			50.0	52.48		ug/Kg		105	80 - 120	0	20
Bromodichloromethane			50.0	51.72		ug/Kg		103	80 - 125	1	20
Bromoform			50.0	49.04		ug/Kg		98	74 - 138	4	20
Bromomethane			50.0	48.06		ug/Kg		96	58 - 136	0	20
cis-1,2-Dichloroethene			50.0	52.85		ug/Kg		106	80 - 124	2	20
cis-1,3-Dichloropropene			50.0	52.55		ug/Kg		105	80 - 123	2	20
Carbon disulfide			50.0	49.87		ug/Kg		100	68 - 128	3	20
Carbon tetrachloride			50.0	58.75		ug/Kg		117	75 - 140	3	20
Chlorobenzene			50.0	47.42		ug/Kg		95	80 - 120	0	20
Chloroethane			50.0	50.92		ug/Kg		102	76 - 137	1	20
Chloroform			50.0	51.12		ug/Kg		102	80 - 121	1	20

Method: 8260B/5035 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 570-496548/4
Matrix: Solid
Analysis Batch: 496548

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
Chloromethane			50.0	54.33		ug/Kg		109	74 - 133	3	20
Dibromochloromethane			50.0	51.39		ug/Kg		103	80 - 132	1	20
Dibromomethane			50.0	50.70		ug/Kg		101	80 - 120	0	20
Dichlorodifluoromethane			50.0	64.72		ug/Kg		129	63 - 146	6	20
Ethylbenzene			50.0	49.39		ug/Kg		99	80 - 120	0	20
Isopropylbenzene			50.0	50.33		ug/Kg		101	80 - 122	0	20
Methylene Chloride			50.0	45.69		ug/Kg		91	74 - 120	0	20
Methyl-t-Butyl Ether (MTBE)			50.0	51.79		ug/Kg		104	79 - 123	2	20
Naphthalene			50.0	52.01		ug/Kg		104	79 - 121	2	20
n-Butylbenzene			50.0	52.60		ug/Kg		105	79 - 131	1	20
N-Propylbenzene			50.0	50.03		ug/Kg		100	80 - 122	0	20
o-Xylene			50.0	50.32		ug/Kg		101	80 - 120	1	20
m,p-Xylene			100	100.8		ug/Kg		101	80 - 120	0	20
p-Isopropyltoluene			50.0	53.05		ug/Kg		106	80 - 126	1	20
sec-Butylbenzene			50.0	50.65		ug/Kg		101	80 - 125	2	20
Styrene			50.0	48.83		ug/Kg		98	80 - 120	1	20
trans-1,2-Dichloroethene			50.0	51.30		ug/Kg		103	75 - 123	4	20
trans-1,3-Dichloropropene			50.0	52.20		ug/Kg		104	80 - 124	2	20
tert-Butylbenzene			50.0	49.07		ug/Kg		98	80 - 124	2	20
Tetrachloroethene			50.0	50.30		ug/Kg		101	80 - 122	2	20
Toluene			50.0	50.39		ug/Kg		101	80 - 120	0	20
Trichloroethene			50.0	52.96		ug/Kg		106	80 - 127	1	20
Trichlorofluoromethane			50.0	57.56		ug/Kg		115	70 - 144	3	20
Vinyl acetate			50.0	50.46		ug/Kg		101	71 - 125	11	20
Vinyl chloride			50.0	56.16		ug/Kg		112	79 - 133	5	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*32 - 179*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*
Dibromofluoromethane (Surr)	*105*		*58 - 147*
Toluene-d8 (Surr)	*103*		*80 - 120*

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

Lab Sample ID: MB 570-497022/1-A
Matrix: Solid
Analysis Batch: 497280

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 497022

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6	ND		5.0		mg/Kg		10/29/24 16:06	10/30/24 13:59	1
C7	ND		5.0		mg/Kg		10/29/24 16:06	10/30/24 13:59	1
C8	ND		5.0		mg/Kg		10/29/24 16:06	10/30/24 13:59	1
C9-C10	ND		5.0		mg/Kg		10/29/24 16:06	10/30/24 13:59	1
C11-C12	ND		5.0		mg/Kg		10/29/24 16:06	10/30/24 13:59	1
C13-C14	ND		5.0		mg/Kg		10/29/24 16:06	10/30/24 13:59	1
C15-C16	ND		5.0		mg/Kg		10/29/24 16:06	10/30/24 13:59	1
C17-C18	ND		5.0		mg/Kg		10/29/24 16:06	10/30/24 13:59	1
C19-C20	ND		5.0		mg/Kg		10/29/24 16:06	10/30/24 13:59	1
C21-C22	ND		5.0		mg/Kg		10/29/24 16:06	10/30/24 13:59	1

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

Lab Sample ID: MB 570-497022/1-A
Matrix: Solid
Analysis Batch: 497280

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 497022

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C23-C24	ND		5.0		mg/Kg		10/29/24 16:06	10/30/24 13:59	1
C25-C28	ND		5.0		mg/Kg		10/29/24 16:06	10/30/24 13:59	1
C29-C32	ND		5.0		mg/Kg		10/29/24 16:06	10/30/24 13:59	1
C33-C36	ND		5.0		mg/Kg		10/29/24 16:06	10/30/24 13:59	1
C37-C40	ND		5.0		mg/Kg		10/29/24 16:06	10/30/24 13:59	1
C41-C44	ND		5.0		mg/Kg		10/29/24 16:06	10/30/24 13:59	1
C6-C44	ND		5.0		mg/Kg		10/29/24 16:06	10/30/24 13:59	1
Diesel Range Organics [C10-C28]	ND		5.0		mg/Kg		10/29/24 16:06	10/30/24 13:59	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*90*		*60 - 138*	*10/29/24 16:06*	*10/30/24 13:59*	*1*

Lab Sample ID: LCS 570-497022/2-A
Matrix: Solid
Analysis Batch: 497280

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 497022

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics [C10-C28]			400	383.2		mg/Kg		96	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Octacosane (Surr)	*84*		*60 - 138*

Lab Sample ID: LCSD 570-497022/3-A
Matrix: Solid
Analysis Batch: 497280

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 497022

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]			400	363.7		mg/Kg		91	70 - 130	5	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
n-Octacosane (Surr)	*79*		*60 - 138*

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

Lab Sample ID: 570-204602-4 MS
Matrix: Solid
Analysis Batch: 497280

Client Sample ID: SSP-SE
Prep Type: Total/NA
Prep Batch: 497022

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics [C10-C28] - DL	460		391	846.0		mg/Kg		99	43 - 165		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
n-Octacosane (Surr) - DL	*80*		*60 - 138*

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

Lab Sample ID: 570-204602-4 MSD
Matrix: Solid
Analysis Batch: 497280

Client Sample ID: SSP-SE
Prep Type: Total/NA
Prep Batch: 497022

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28] - DL	460		395	867.4		mg/Kg		103	43 - 165	3	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
n-Octacosane (Surr) - DL	*77*		*60 - 138*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 570-496852/1-A ^2
Matrix: Solid
Analysis Batch: 497032

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 496852

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.02		mg/Kg		10/29/24 10:06	10/29/24 15:42	2
Arsenic	ND		2.71		mg/Kg		10/29/24 10:06	10/29/24 15:42	2
Barium	ND		1.80		mg/Kg		10/29/24 10:06	10/29/24 15:42	2
Beryllium	ND		0.361		mg/Kg		10/29/24 10:06	10/29/24 15:42	2
Cadmium	ND		0.361		mg/Kg		10/29/24 10:06	10/29/24 15:42	2
Chromium	ND		0.902		mg/Kg		10/29/24 10:06	10/29/24 15:42	2
Cobalt	ND		1.80		mg/Kg		10/29/24 10:06	10/29/24 15:42	2
Copper	ND		1.80		mg/Kg		10/29/24 10:06	10/29/24 15:42	2
Lead	ND		1.80		mg/Kg		10/29/24 10:06	10/29/24 15:42	2
Molybdenum	ND		3.61		mg/Kg		10/29/24 10:06	10/29/24 15:42	2
Nickel	ND		1.80		mg/Kg		10/29/24 10:06	10/29/24 15:42	2
Selenium	ND		2.71		mg/Kg		10/29/24 10:06	10/29/24 15:42	2
Silver	ND		1.80		mg/Kg		10/29/24 10:06	10/29/24 15:42	2
Thallium	ND		9.02		mg/Kg		10/29/24 10:06	10/29/24 15:42	2
Vanadium	ND		3.61		mg/Kg		10/29/24 10:06	10/29/24 15:42	2
Zinc	ND		3.61		mg/Kg		10/29/24 10:06	10/29/24 15:42	2

Lab Sample ID: LCS 570-496852/2-A ^2
Matrix: Solid
Analysis Batch: 497032

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 496852

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	190	154.6		mg/Kg		82	80 - 120
Arsenic	190	171.6		mg/Kg		91	80 - 120
Barium	190	184.8		mg/Kg		98	80 - 120
Beryllium	190	178.6		mg/Kg		94	80 - 120
Cadmium	190	176.0		mg/Kg		93	80 - 120
Chromium	190	186.0		mg/Kg		98	80 - 120
Cobalt	190	181.1		mg/Kg		96	80 - 120
Copper	190	183.7		mg/Kg		97	80 - 120
Lead	190	180.5		mg/Kg		95	80 - 120
Molybdenum	190	192.3		mg/Kg		102	80 - 120
Nickel	190	180.3		mg/Kg		95	80 - 120
Selenium	190	154.4		mg/Kg		82	80 - 120
Silver	94.8	90.43		mg/Kg		95	80 - 120
Thallium	190	176.6		mg/Kg		93	80 - 120

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

Lab Sample ID: LCS 570-496852/2-A ^2
Matrix: Solid
Analysis Batch: 497032

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 496852

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Vanadium	190	184.2		mg/Kg		97	80 - 120
Zinc	190	173.5		mg/Kg		92	80 - 120

Lab Sample ID: LCSD 570-496852/3-A ^2
Matrix: Solid
Analysis Batch: 497032

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 496852

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	174	143.7		mg/Kg		83	80 - 120	7	20
Arsenic	174	159.0		mg/Kg		91	80 - 120	8	20
Barium	174	169.8		mg/Kg		98	80 - 120	8	20
Beryllium	174	164.1		mg/Kg		94	80 - 120	8	20
Cadmium	174	162.2		mg/Kg		93	80 - 120	8	20
Chromium	174	170.1		mg/Kg		98	80 - 120	9	20
Cobalt	174	166.6		mg/Kg		96	80 - 120	8	20
Copper	174	168.7		mg/Kg		97	80 - 120	9	20
Lead	174	166.4		mg/Kg		96	80 - 120	8	20
Molybdenum	174	176.4		mg/Kg		101	80 - 120	9	20
Nickel	174	165.4		mg/Kg		95	80 - 120	9	20
Selenium	174	143.0		mg/Kg		82	80 - 120	8	20
Silver	87.0	83.51		mg/Kg		96	80 - 120	8	20
Thallium	174	163.2		mg/Kg		94	80 - 120	8	20
Vanadium	174	169.0		mg/Kg		97	80 - 120	9	20
Zinc	174	159.9		mg/Kg		92	80 - 120	8	20

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 570-497332/1-A
Matrix: Solid
Analysis Batch: 497482

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 497332

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0817		mg/Kg		10/30/24 11:08	10/30/24 13:22	1

Lab Sample ID: LCS 570-497332/2-A
Matrix: Solid
Analysis Batch: 497482

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 497332

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.392	0.3463		mg/Kg		88	80 - 120

Lab Sample ID: LCSD 570-497332/3-A
Matrix: Solid
Analysis Batch: 497482

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 497332

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.417	0.3618		mg/Kg		87	80 - 120	4	10

GC/MS VOA

Prep Batch: 496464

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-204602-1	NSP-NW	Total/NA	Solid	5035	
570-204602-2	NSP-SE	Total/NA	Solid	5035	
570-204602-3	SSP-NW	Total/NA	Solid	5035	
570-204602-4	SSP-SE	Total/NA	Solid	5035	

Analysis Batch: 496548

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-204602-1	NSP-NW	Total/NA	Solid	8260B/5035	496464
570-204602-2	NSP-SE	Total/NA	Solid	8260B/5035	496464
570-204602-3	SSP-NW	Total/NA	Solid	8260B/5035	496464
570-204602-4	SSP-SE	Total/NA	Solid	8260B/5035	496464
MB 570-496548/5	Method Blank	Total/NA	Solid	8260B/5035	
LCS 570-496548/3	Lab Control Sample	Total/NA	Solid	8260B/5035	
LCSD 570-496548/4	Lab Control Sample Dup	Total/NA	Solid	8260B/5035	

GC Semi VOA

Prep Batch: 497022

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-204602-1	NSP-NW	Total/NA	Solid	3550C	
570-204602-2	NSP-SE	Total/NA	Solid	3550C	
570-204602-3	SSP-NW	Total/NA	Solid	3550C	
570-204602-4 - DL	SSP-SE	Total/NA	Solid	3550C	
MB 570-497022/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 570-497022/2-A	Lab Control Sample	Total/NA	Solid	3550C	
LCSD 570-497022/3-A	Lab Control Sample Dup	Total/NA	Solid	3550C	
570-204602-4 MS - DL	SSP-SE	Total/NA	Solid	3550C	
570-204602-4 MSD - DL	SSP-SE	Total/NA	Solid	3550C	

Analysis Batch: 497280

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-204602-4 - DL	SSP-SE	Total/NA	Solid	8015B	497022
MB 570-497022/1-A	Method Blank	Total/NA	Solid	8015B	497022
LCS 570-497022/2-A	Lab Control Sample	Total/NA	Solid	8015B	497022
LCSD 570-497022/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B	497022
570-204602-4 MS - DL	SSP-SE	Total/NA	Solid	8015B	497022
570-204602-4 MSD - DL	SSP-SE	Total/NA	Solid	8015B	497022

Analysis Batch: 498280

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-204602-1	NSP-NW	Total/NA	Solid	8015B	497022
570-204602-2	NSP-SE	Total/NA	Solid	8015B	497022
570-204602-3	SSP-NW	Total/NA	Solid	8015B	497022

Metals

Prep Batch: 496852

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-204602-1	NSP-NW	Total/NA	Solid	3051A	
570-204602-2	NSP-SE	Total/NA	Solid	3051A	
570-204602-3	SSP-NW	Total/NA	Solid	3051A	
570-204602-4	SSP-SE	Total/NA	Solid	3051A	

Metals (Continued)

Prep Batch: 496852 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-496852/1-A ^2	Method Blank	Total/NA	Solid	3051A	
LCS 570-496852/2-A ^2	Lab Control Sample	Total/NA	Solid	3051A	
LCSD 570-496852/3-A ^2	Lab Control Sample Dup	Total/NA	Solid	3051A	

Analysis Batch: 497032

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-496852/1-A ^2	Method Blank	Total/NA	Solid	6010B	496852
LCS 570-496852/2-A ^2	Lab Control Sample	Total/NA	Solid	6010B	496852
LCSD 570-496852/3-A ^2	Lab Control Sample Dup	Total/NA	Solid	6010B	496852

Prep Batch: 497332

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-204602-1	NSP-NW	Total/NA	Solid	7471A	
570-204602-2	NSP-SE	Total/NA	Solid	7471A	
570-204602-3	SSP-NW	Total/NA	Solid	7471A	
570-204602-4	SSP-SE	Total/NA	Solid	7471A	
MB 570-497332/1-A	Method Blank	Total/NA	Solid	7471A	
LCS 570-497332/2-A	Lab Control Sample	Total/NA	Solid	7471A	
LCSD 570-497332/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	

Analysis Batch: 497342

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-204602-1	NSP-NW	Total/NA	Solid	6010B	496852
570-204602-2	NSP-SE	Total/NA	Solid	6010B	496852
570-204602-3	SSP-NW	Total/NA	Solid	6010B	496852
570-204602-4	SSP-SE	Total/NA	Solid	6010B	496852

Analysis Batch: 497482

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-204602-1	NSP-NW	Total/NA	Solid	7471A	497332
570-204602-2	NSP-SE	Total/NA	Solid	7471A	497332
570-204602-3	SSP-NW	Total/NA	Solid	7471A	497332
570-204602-4	SSP-SE	Total/NA	Solid	7471A	497332
MB 570-497332/1-A	Method Blank	Total/NA	Solid	7471A	497332
LCS 570-497332/2-A	Lab Control Sample	Total/NA	Solid	7471A	497332
LCSD 570-497332/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	497332

Lab Chronicle

Client: Partner Engineering and Science, Inc
Project/Site: 23-431712.1 Ramona Avenue Property

Job ID: 570-204602-1

Client Sample ID: NSP-NW

Date Collected: 10/23/24 11:30
Date Received: 10/28/24 09:30

Lab Sample ID: 570-204602-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			8.032 g	5 mL	496464	10/28/24 12:45	X7LQ	EET CAL 4
Total/NA	Analysis	8260B/5035		1	5 g	5 mL	496548	10/28/24 18:13	NR	EET CAL 4
	Instrument ID: GCMSCC									
Total/NA	Prep	3550C			10.21 g	10 mL	497022	10/29/24 16:06	NV8K	EET CAL 4
Total/NA	Analysis	8015B		10	10 mL	10 mL	498280	11/01/24 15:19	E5RH	EET CAL 4
	Instrument ID: GC50									
Total/NA	Prep	3051A			0.5402 g	50 mL	496852	10/29/24 11:16	EV3M	EET CAL 4
Total/NA	Analysis	6010B		2			497342	10/29/24 18:21	VZ0K	EET CAL 4
	Instrument ID: ICP10									
Total/NA	Prep	7471A			0.51 g	50 mL	497332	10/30/24 11:08	VCN7	EET CAL 4
Total/NA	Analysis	7471A		1			497482	10/30/24 13:39	RL6Q	EET CAL 4
	Instrument ID: HG8									

Client Sample ID: NSP-SE

Date Collected: 10/23/24 11:15
Date Received: 10/28/24 09:30

Lab Sample ID: 570-204602-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			8.827 g	5 mL	496464	10/28/24 12:45	X7LQ	EET CAL 4
Total/NA	Analysis	8260B/5035		1	5 g	5 mL	496548	10/28/24 18:35	NR	EET CAL 4
	Instrument ID: GCMSCC									
Total/NA	Prep	3550C			10.05 g	10 mL	497022	10/29/24 16:06	NV8K	EET CAL 4
Total/NA	Analysis	8015B		50	10 mL	10 mL	498280	11/01/24 15:43	E5RH	EET CAL 4
	Instrument ID: GC50									
Total/NA	Prep	3051A			0.5294 g	50 mL	496852	10/29/24 11:16	EV3M	EET CAL 4
Total/NA	Analysis	6010B		2			497342	10/29/24 18:24	VZ0K	EET CAL 4
	Instrument ID: ICP10									
Total/NA	Prep	7471A			0.53 g	50 mL	497332	10/30/24 11:08	VCN7	EET CAL 4
Total/NA	Analysis	7471A		1			497482	10/30/24 13:41	RL6Q	EET CAL 4
	Instrument ID: HG8									

Client Sample ID: SSP-NW

Date Collected: 10/23/24 12:35
Date Received: 10/28/24 09:30

Lab Sample ID: 570-204602-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			8.403 g	5 mL	496464	10/28/24 12:45	X7LQ	EET CAL 4
Total/NA	Analysis	8260B/5035		1	5 g	5 mL	496548	10/28/24 18:56	NR	EET CAL 4
	Instrument ID: GCMSCC									
Total/NA	Prep	3550C			10.35 g	10 mL	497022	10/29/24 16:06	NV8K	EET CAL 4
Total/NA	Analysis	8015B		10	10 mL	10 mL	498280	11/01/24 16:06	E5RH	EET CAL 4
	Instrument ID: GC50									
Total/NA	Prep	3051A			0.5222 g	50 mL	496852	10/29/24 11:16	EV3M	EET CAL 4
Total/NA	Analysis	6010B		2			497342	10/29/24 18:26	VZ0K	EET CAL 4
	Instrument ID: ICP10									

Lab Chronicle

Client: Partner Engineering and Science, Inc
Project/Site: 23-431712.1 Ramona Avenue Property

Job ID: 570-204602-1

Client Sample ID: SSP-NW

Date Collected: 10/23/24 12:35
Date Received: 10/28/24 09:30

Lab Sample ID: 570-204602-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			0.53 g	50 mL	497332	10/30/24 11:08	VCN7	EET CAL 4
Total/NA	Analysis	7471A		1			497482	10/30/24 13:57	RL6Q	EET CAL 4
	Instrument ID: HG8									

Client Sample ID: SSP-SE

Date Collected: 10/23/24 12:30
Date Received: 10/28/24 09:30

Lab Sample ID: 570-204602-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			11.688 g	5 mL	496464	10/28/24 12:45	X7LQ	EET CAL 4
Total/NA	Analysis	8260B/5035		1	5 g	5 mL	496548	10/28/24 19:17	NR	EET CAL 4
	Instrument ID: GCMSCC									
Total/NA	Prep	3550C	DL		10.33 g	10 mL	497022	10/29/24 16:06	NV8K	EET CAL 4
Total/NA	Analysis	8015B	DL	10	10 mL	10 mL	497280	10/30/24 17:24	UJ3K	EET CAL 4
	Instrument ID: GC50									
Total/NA	Prep	3051A			0.4901 g	50 mL	496852	10/29/24 11:16	EV3M	EET CAL 4
Total/NA	Analysis	6010B		2			497342	10/29/24 18:28	VZ0K	EET CAL 4
	Instrument ID: ICP10									
Total/NA	Prep	7471A			0.51 g	50 mL	497332	10/30/24 11:08	VCN7	EET CAL 4
Total/NA	Analysis	7471A		1			497482	10/30/24 13:59	RL6Q	EET CAL 4
	Instrument ID: HG8									

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Accreditation/Certification Summary

Client: Partner Engineering and Science, Inc
Job ID: 570-204602-1
Project/Site: 23-431712.1 Ramona Avenue Property

Laboratory: Eurofins Calscience

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

Authority	Program	Identification Number	Expiration Date
California	State	3082	07-31-26

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
8260B/5035	5035	Solid	1,1,2-Trichloro-1,2,2-trifluoroethane
8260B/5035	5035	Solid	1,1-Dichloropropene
8260B/5035	5035	Solid	1,2,3-Trichlorobenzene
8260B/5035	5035	Solid	1,2,4-Trimethylbenzene
8260B/5035	5035	Solid	1,3,5-Trimethylbenzene
8260B/5035	5035	Solid	1,3-Dichloropropane
8260B/5035	5035	Solid	2,2-Dichloropropane
8260B/5035	5035	Solid	2-Butanone (MEK)
8260B/5035	5035	Solid	2-Chlorotoluene
8260B/5035	5035	Solid	2-Hexanone
8260B/5035	5035	Solid	Acetone
8260B/5035	5035	Solid	Isopropylbenzene
8260B/5035	5035	Solid	p-Isopropyltoluene
8260B/5035	5035	Solid	Vinyl acetate
8260B/5035	5035	Solid	Xylenes, Total

Oregon	NELAP	4175	02-02-25

Method Summary

Client: Partner Engineering and Science, Inc
Job ID: 570-204602-1
Project/Site: 23-431712.1 Ramona Avenue Property

Method	Method Description	Protocol	Laboratory
8260B/5035	Volatile Organic Compounds (GC/MS)	SW846	EET CAL 4
8015B	Diesel Range Organics (DRO) (GC)	SW846	EET CAL 4
6010B	Metals (ICP)	SW846	EET CAL 4
7471A	Mercury (CVAA)	SW846	EET CAL 4
3051A	Preparation, Metals, Microwave Assisted	SW846	EET CAL 4
3550C	Ultrasonic Extraction	SW846	EET CAL 4
5035	Closed System Purge and Trap	SW846	EET CAL 4
7471A	Preparation, Mercury	SW846	EET CAL 4

Protocol References:

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

Sample Summary

Client: Partner Engineering and Science, Inc
Job ID: 570-204602-1
Project/Site: 23-431712.1 Ramona Avenue Property

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-204602-1	NSP-NW	Solid	10/23/24 11:30	10/28/24 09:30
570-204602-2	NSP-SE	Solid	10/23/24 11:15	10/28/24 09:30
570-204602-3	SSP-NW	Solid	10/23/24 12:35	10/28/24 09:30
570-204602-4	SSP-SE	Solid	10/23/24 12:30	10/28/24 09:30

Eurofins Calscience
2841 Dow Avenue, Suite 100
Tustin, CA 92780
Phone: 714-895-5494

Chain of Custody Record

570-204602 Chain of Custody

Loc: 570
204602

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Client Information	Sampler: Patrick Own	Lab PM: Tat, Sandy	COC No: 570-112581-23453.1
Client Contact: Nate Maroon	Phone:	E-Mail: Sandy.Tat@et.eurofinsus.com State of Origin:	Page: Page 1 of 1
Company: Partner Engineering and Science, Inc	PWSID:	Analysis Requested	Job #:
Address: 1017 22nd Avenue Suite 107	Due Date Requested:		Preservation Codes: N - None
City: Oakland	TAT Requested (days):		
State, Zip: CA, 94606	Compliance Project: Δ Yes Δ No		
Phone: 925-322-3339(Tel)	PO #: Purchase Order not required		
Email: NMaroon@partneresi.com	WO #:		
Project Name: 23-431712.1 Ramona Avenue Property	Project #: 57022033		Other:
Site: RAMONA AVE	SSOW#:		

Sample Identification	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)	6010B - CAM-17 / Title 22 ICP Metals	8260B - Routine Volatiles List (Full Spike)	7471A - Mercury	8015B_DRO - C6-C44 TPH Carbon Chain Characterization	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N		
NSP - NW	10/23/24	11:30	G	Solid			Y	Y	Y	Y	5	
NSP - SE	↓	11:15	↓	Solid			Y	Y	Y	Y	5	
SSP - NW	↓	12:35	↓	Solid			Y	Y	Y	Y	5	
SSP - SE	↓	12:30	↓	Solid			Y	Y	Y	Y	5	

Seal Intact? Temp °C NA Courier

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ☐ *Unknown* ☐ *Radiological*

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☒ *Disposal By Lab* ☐ *Archive For* ________ *Months*

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by: [signature]	Date/Time: 10/25/24 9:30	Company	Received by: [signature]	Date/Time: 10/25/24 9:30	Company: EATC
Relinquished by: [signature]	Date/Time: 10/25/24 1000	Company: EATC	Received by: Armin D. EATC	Date/Time: 10/25/24 1000	Company: EATC
Relinquished by: Armin D. EATC	Date/Time: 10/25/24 1130	Company: EATC	Received by: FedEx	Date/Time:	Company

Custody Seals Intact: Δ Yes (Δ) No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: No Ice 20.8 / 21.8 SC14

mhdm FedEx 10/28/24 0930

ORIGIN ID:MHRA (916) 605-3336
SHIPPING DEPT
EUROFINS AIR TOXICS
180 BLUE RAVINE BLVD STE B

FOLSOM, CA 95630
UNITED STATES US

SHIP DATE: 25OCT24
ACTWGT: 19.95 LB MAN
CAD: 0488499/CAFE3855
DIMS: 19x14x11 IN

BILL SENDER

TO SANDY TAT
CAL SCIENCE
2841 DOW AVENUE
SUITE 100
TUSTIN CA 92780
(714) 895-5494
REF: 165139

589C6/2D2B/FE2D

FedEx Express

J24302G70401uv

TRK# 0201 7428 3891 2742

MON - 28 OCT 10:30A
PRIORITY OVERNIGHT

WZ DTHA

92780
CA-US SNA

570-204602 Waybill

Login Sample Receipt Checklist

Client: Partner Engineering and Science, Inc

Job Number: 570-204602-1

Login Number: 204602
List Number: 1
Creator: Skinner, Alma D

List Source: Eurofins Calscience

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.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	
Cooler Temperature is acceptable.	False	Cooler temperature outside required temperature criteria.
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
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	

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11/5/2024
Mr. Nate Maroon
Partner Engineering & Science
1512 Eureka Rd.
Suite 205
Roseville CA 95661

Project Name: Ramona Ave Property
Project #: 23-431712.1
Workorder #: 2410649

Dear Mr. Nate Maroon

The following report includes the data for the above referenced project for sample(s) received on 10/25/2024 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by TO-15 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Joel Tillman at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Joel Tillman

Project Manager

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WORK ORDER #: 2410649

Work Order Summary

CLIENT:	Mr. Nate Maroon Partner Engineering & Science 1512 Eureka Rd. Suite 205 Roseville, CA 95661	**BILL TO:**	Accounts Payable Partner Engineering & Science 2154 Torrence Blvd Suite 200 Torrance, CA 90501
PHONE:	916-405-1275	**P.O. #**	
FAX:		**PROJECT #**	23-431712.1 Ramona Ave Property
DATE RECEIVED:	10/25/2024	**CONTACT:**	Joel Tillman
DATE COMPLETED:	11/05/2024		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	B1-SG	TO-15	5.7 "Hg	9.9 psi
02A	B2-SG	TO-15	4.5 "Hg	9.9 psi
03A	B4-SG	TO-15	4.5 "Hg	10.1 psi
04A	B5-SG	TO-15	5.3 "Hg	9.9 psi
05A	B6-SG	TO-15	4.9 "Hg	10.1 psi
06A	B3-SG	TO-15	5.5 "Hg	9.8 psi
07A	Lab Blank	TO-15	NA	NA
08A	CCV	TO-15	NA	NA
09A	LCS	TO-15	NA	NA
09AA	LCSD	TO-15	NA	NA

CERTIFIED BY: Heidi Hayes DATE: 11/05/24

Technical Director

Cert. No.: AZ Licensure-AZ0775, FL NELAP-E87680, LA NELAP–02089, MN NELAP-2703122, NH NELAP–209223-B, NJ NELAP-CA016, NY NELAP-11291, TX NELAP-T104704434, UT NELAP-CA009332023-16, VA NELAP-12695, WA NELAP-C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program) CA300005-20
Eurofins Environment Testing Northern California, LLC certifies that the test results contained in this report meet all requirements of the 2016 TNI Standard.

LABORATORY NARRATIVE
EPA Method TO-15
Partner Engineering & Science
Workorder# 2410649

Six 1 Liter Summa Canister samples were received on October 25, 2024. The laboratory performed analysis via EPA Method TO-15 using GC/MS in the full scan mode.

Receiving Notes

The Chain of Custody (COC) information for sample B4-SG did not match the information on the canister with regard to canister barcode. The sample labeled 1L4729 on the COC is labeled as 1L4792 on the canister. The client was notified of the discrepancy and the information on the canister was used to process and report the sample.

Analytical Notes

All Quality Control Limit exceedances and affected sample results are noted by flags. Each flag is defined at the bottom of this Case Narrative and on each Sample Result Summary page. Target compound non-detects in the samples that are associated with high bias in QC analyses have not been flagged.

Definition of Data Qualifying Flags

Ten qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

M - Reported value may be biased due to apparent matrix interferences.

CN - See Case Narrative.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

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Summary of Detected Compounds
EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: B1-SG

Lab ID#: 2410649-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,3-Butadiene	1.0	13	2.3	29
Ethanol	10	120	20	220
Acetone	10	83	24	200
2-Propanol	4.1	5.7	10	14
Hexane	1.0	5.0	3.6	18
2-Butanone (Methyl Ethyl Ketone)	4.1	28	12	81
Tetrahydrofuran	1.0	23	3.0	67
Cyclohexane	1.0	1.4	3.6	4.9
Benzene	1.0	6.9	3.3	22
Heptane	1.0	8.7	4.2	36
4-Methyl-2-pentanone	1.0	24	4.2	97
Ethyl Benzene	1.0	1.1	4.5	4.7
m,p-Xylene	2.1	2.3	9.0	10

Client Sample ID: B2-SG

Lab ID#: 2410649-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,3-Butadiene	0.98	31	2.2	68
Ethanol	9.8	87	18	160
Acetone	9.8	180	23	430
2-Propanol	3.9	10	9.7	25
Carbon Disulfide	3.9	4.4	12	14
Methylene Chloride	9.8	35	34	120
Hexane	0.98	22	3.5	79
2-Butanone (Methyl Ethyl Ketone)	3.9	90	12	260
Tetrahydrofuran	0.98	49	2.9	140
Cyclohexane	0.98	3.3	3.4	11
2,2,4-Trimethylpentane	0.98	2.4	4.6	11
Benzene	0.98	17	3.1	54
Heptane	0.98	27	4.0	110
Trichloroethene	0.98	44	5.3	230
4-Methyl-2-pentanone	0.98	6.2	4.0	25

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Summary of Detected Compounds
EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: B2-SG

Lab ID#: 2410649-02A

Ethyl Benzene	0.98	2.1	4.3	9.3
m,p-Xylene	2.0	3.2	8.6	14
o-Xylene	0.98	1.0	4.3	4.4

Client Sample ID: B4-SG

Lab ID#: 2410649-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,3-Butadiene	0.99	16	2.2	36
Ethanol	9.9	100	19	190
Acetone	9.9	110	24	250
2-Propanol	4.0	31	9.7	76
Hexane	0.99	11	3.5	39
2-Butanone (Methyl Ethyl Ketone)	4.0	67	12	200
Tetrahydrofuran	0.99	41	2.9	120
Cyclohexane	0.99	2.5	3.4	8.6
2,2,4-Trimethylpentane	0.99	4.6	4.6	21
Benzene	0.99	18	3.2	56
Heptane	0.99	49	4.0	200
Trichloroethene	0.99	17	5.3	92
Ethyl Benzene	0.99	2.4	4.3	11
m,p-Xylene	2.0	6.9	8.6	30
o-Xylene	0.99	2.2	4.3	9.4
Styrene	0.99	1.2	4.2	5.2
4-Ethyltoluene	0.99	2.8	4.9	14
1,3,5-Trimethylbenzene	0.99	1.8	4.9	8.6
1,2,4-Trimethylbenzene	0.99	3.7	4.9	18

Client Sample ID: B5-SG

Lab ID#: 2410649-04A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,3-Butadiene	1.0	19	2.2	43
Ethanol	10	130	19	250

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Summary of Detected Compounds
EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: B5-SG

Lab ID#: 2410649-04A

Acetone	10	170	24	400
2-Propanol	4.1	13	10	32
Hexane	1.0	11	3.6	39
2-Butanone (Methyl Ethyl Ketone)	4.1	85	12	250
Tetrahydrofuran	1.0	62	3.0	180
Cyclohexane	1.0	2.6	3.5	9.0
2,2,4-Trimethylpentane	1.0	2.5	4.7	12
Benzene	1.0	15	3.2	49
Heptane	1.0	24	4.2	100
Trichloroethene	1.0	4.9	5.4	26
Ethyl Benzene	1.0	1.2	4.4	5.2
m,p-Xylene	2.0	2.8	8.8	12
4-Ethyltoluene	1.0	1.0	5.0	5.0
1,2,4-Trimethylbenzene	1.0	1.2	5.0	6.1

Client Sample ID: B6-SG

Lab ID#: 2410649-05A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,3-Butadiene	1.0	4.3	2.2	9.4
Ethanol	10	110	19	210
Acetone	10	66	24	160
2-Propanol	4.0	7.6	9.9	19
Hexane	1.0	2.2	3.6	7.8
2-Butanone (Methyl Ethyl Ketone)	4.0	30	12	90
Tetrahydrofuran	1.0	18	3.0	53
Benzene	1.0	4.7	3.2	15
Heptane	1.0	4.9	4.1	20
4-Methyl-2-pentanone	1.0	2.7	4.1	11

Client Sample ID: B3-SG

Lab ID#: 2410649-06A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)

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Summary of Detected Compounds
EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: B3-SG

Lab ID#: 2410649-06A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,3-Butadiene	1.0	35	2.2	77
Ethanol	10	200	19	370
Acetone	10	240	24	580
2-Propanol	4.1	9.9	10	24
Carbon Disulfide	4.1	13	13	40
Hexane	1.0	26	3.6	92
2-Butanone (Methyl Ethyl Ketone)	4.1	100	12	310
Tetrahydrofuran	1.0	44	3.0	130
Cyclohexane	1.0	5.4	3.5	18
2,2,4-Trimethylpentane	1.0	3.6	4.8	17
Benzene	1.0	32	3.2	100
Heptane	1.0	38	4.2	160
Trichloroethene	1.0	13	5.5	72
Ethyl Benzene	1.0	5.6	4.4	24
m,p-Xylene	2.0	5.4	8.8	24
o-Xylene	1.0	2.0	4.4	8.9
Styrene	1.0	1.7	4.3	7.2
4-Ethyltoluene	1.0	2.1	5.0	10
1,2,4-Trimethylbenzene	1.0	2.3	5.0	11

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Client Sample ID: B1-SG

Lab ID#: 2410649-01A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p103014**	**Date of Collection: 10/23/24 2:30:00 PM**	
Dil. Factor:	**2.07**	**Date of Analysis: 10/30/24 05:30 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	1.0	Not Detected	5.1	Not Detected
Freon 114	1.0	Not Detected	7.2	Not Detected
Chloromethane	10	Not Detected	21	Not Detected
Vinyl Chloride	1.0	Not Detected	2.6	Not Detected
1,3-Butadiene	1.0	13	2.3	29
Bromomethane	10	Not Detected	40	Not Detected
Chloroethane	4.1	Not Detected UJ	11	Not Detected UJ
Freon 11	1.0	Not Detected	5.8	Not Detected
Ethanol	10	120	20	220
Freon 113	1.0	Not Detected	7.9	Not Detected
1,1-Dichloroethene	1.0	Not Detected	4.1	Not Detected
Acetone	10	83	24	200
2-Propanol	4.1	5.7	10	14
Carbon Disulfide	4.1	Not Detected	13	Not Detected
3-Chloropropene	4.1	Not Detected	13	Not Detected
Methylene Chloride	10	Not Detected	36	Not Detected
Methyl tert-butyl ether	4.1	Not Detected	15	Not Detected
trans-1,2-Dichloroethene	1.0	Not Detected	4.1	Not Detected
Hexane	1.0	5.0	3.6	18
1,1-Dichloroethane	1.0	Not Detected	4.2	Not Detected
2-Butanone (Methyl Ethyl Ketone)	4.1	28	12	81
cis-1,2-Dichloroethene	1.0	Not Detected	4.1	Not Detected
Tetrahydrofuran	1.0	23	3.0	67
Chloroform	1.0	Not Detected	5.0	Not Detected
1,1,1-Trichloroethane	1.0	Not Detected	5.6	Not Detected
Cyclohexane	1.0	1.4	3.6	4.9
Carbon Tetrachloride	1.0	Not Detected	6.5	Not Detected
2,2,4-Trimethylpentane	1.0	Not Detected	4.8	Not Detected
Benzene	1.0	6.9	3.3	22
1,2-Dichloroethane	1.0	Not Detected	4.2	Not Detected
Heptane	1.0	8.7	4.2	36
Trichloroethene	1.0	Not Detected	5.6	Not Detected
1,2-Dichloropropane	1.0	Not Detected	4.8	Not Detected
1,4-Dioxane	4.1	Not Detected	15	Not Detected
Bromodichloromethane	1.0	Not Detected	6.9	Not Detected
cis-1,3-Dichloropropene	1.0	Not Detected	4.7	Not Detected
4-Methyl-2-pentanone	1.0	24	4.2	97
Toluene	2.1	Not Detected	7.8	Not Detected
trans-1,3-Dichloropropene	1.0	Not Detected	4.7	Not Detected
1,1,2-Trichloroethane	1.0	Not Detected	5.6	Not Detected
Tetrachloroethene	1.0	Not Detected	7.0	Not Detected
2-Hexanone	4.1	Not Detected	17	Not Detected

eurofins | Air Toxics

Client Sample ID: B1-SG

Lab ID#: 2410649-01A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p103014**	**Date of Collection: 10/23/24 2:30:00 PM**	
Dil. Factor:	**2.07**	**Date of Analysis: 10/30/24 05:30 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	1.0	Not Detected	8.8	Not Detected
1,2-Dibromoethane (EDB)	1.0	Not Detected	8.0	Not Detected
Chlorobenzene	1.0	Not Detected	4.8	Not Detected
Ethyl Benzene	1.0	1.1	4.5	4.7
m,p-Xylene	2.1	2.3	9.0	10
o-Xylene	1.0	Not Detected	4.5	Not Detected
Styrene	1.0	Not Detected	4.4	Not Detected
Bromoform	1.0	Not Detected	11	Not Detected
Cumene	1.0	Not Detected	5.1	Not Detected
1,1,2,2-Tetrachloroethane	1.0	Not Detected	7.1	Not Detected
Propylbenzene	1.0	Not Detected	5.1	Not Detected
4-Ethyltoluene	1.0	Not Detected	5.1	Not Detected
1,3,5-Trimethylbenzene	1.0	Not Detected	5.1	Not Detected
1,2,4-Trimethylbenzene	1.0	Not Detected	5.1	Not Detected
1,3-Dichlorobenzene	1.0	Not Detected	6.2	Not Detected
1,4-Dichlorobenzene	1.0	Not Detected	6.2	Not Detected
alpha-Chlorotoluene	1.0	Not Detected	5.4	Not Detected
1,2-Dichlorobenzene	1.0	Not Detected	6.2	Not Detected
1,2,4-Trichlorobenzene	4.1	Not Detected	31	Not Detected
Hexachlorobutadiene	4.1	Not Detected	44	Not Detected

UJ = Analyte associated with low bias in the CCV.

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	106	70-130
1,2-Dichloroethane-d4	95	70-130
4-Bromofluorobenzene	96	70-130

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Client Sample ID: B2-SG

Lab ID#: 2410649-02A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p103015**	**Date of Collection: 10/23/24 2:18:00 PM**	
Dil. Factor:	**1.97**	**Date of Analysis: 10/30/24 06:01 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.98	Not Detected	4.9	Not Detected
Freon 114	0.98	Not Detected	6.9	Not Detected
Chloromethane	9.8	Not Detected	20	Not Detected
Vinyl Chloride	0.98	Not Detected	2.5	Not Detected
1,3-Butadiene	0.98	31	2.2	68
Bromomethane	9.8	Not Detected	38	Not Detected
Chloroethane	3.9	Not Detected UJ	10	Not Detected UJ
Freon 11	0.98	Not Detected	5.5	Not Detected
Ethanol	9.8	87	18	160
Freon 113	0.98	Not Detected	7.5	Not Detected
1,1-Dichloroethene	0.98	Not Detected	3.9	Not Detected
Acetone	9.8	180	23	430
2-Propanol	3.9	10	9.7	25
Carbon Disulfide	3.9	4.4	12	14
3-Chloropropene	3.9	Not Detected	12	Not Detected
Methylene Chloride	9.8	35	34	120
Methyl tert-butyl ether	3.9	Not Detected	14	Not Detected
trans-1,2-Dichloroethene	0.98	Not Detected	3.9	Not Detected
Hexane	0.98	22	3.5	79
1,1-Dichloroethane	0.98	Not Detected	4.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	3.9	90	12	260
cis-1,2-Dichloroethene	0.98	Not Detected	3.9	Not Detected
Tetrahydrofuran	0.98	49	2.9	140
Chloroform	0.98	Not Detected	4.8	Not Detected
1,1,1-Trichloroethane	0.98	Not Detected	5.4	Not Detected
Cyclohexane	0.98	3.3	3.4	11
Carbon Tetrachloride	0.98	Not Detected	6.2	Not Detected
2,2,4-Trimethylpentane	0.98	2.4	4.6	11
Benzene	0.98	17	3.1	54
1,2-Dichloroethane	0.98	Not Detected	4.0	Not Detected
Heptane	0.98	27	4.0	110
Trichloroethene	0.98	44	5.3	230
1,2-Dichloropropane	0.98	Not Detected	4.6	Not Detected
1,4-Dioxane	3.9	Not Detected	14	Not Detected
Bromodichloromethane	0.98	Not Detected	6.6	Not Detected
cis-1,3-Dichloropropene	0.98	Not Detected	4.5	Not Detected
4-Methyl-2-pentanone	0.98	6.2	4.0	25
Toluene	2.0	Not Detected	7.4	Not Detected
trans-1,3-Dichloropropene	0.98	Not Detected	4.5	Not Detected
1,1,2-Trichloroethane	0.98	Not Detected	5.4	Not Detected
Tetrachloroethene	0.98	Not Detected	6.7	Not Detected
2-Hexanone	3.9	Not Detected	16	Not Detected

eurofins | Air Toxics

Client Sample ID: B2-SG

Lab ID#: 2410649-02A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p103015**	**Date of Collection: 10/23/24 2:18:00 PM**	
Dil. Factor:	**1.97**	**Date of Analysis: 10/30/24 06:01 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.98	Not Detected	8.4	Not Detected
1,2-Dibromoethane (EDB)	0.98	Not Detected	7.6	Not Detected
Chlorobenzene	0.98	Not Detected	4.5	Not Detected
Ethyl Benzene	0.98	2.1	4.3	9.3
m,p-Xylene	2.0	3.2	8.6	14
o-Xylene	0.98	1.0	4.3	4.4
Styrene	0.98	Not Detected	4.2	Not Detected
Bromoform	0.98	Not Detected	10	Not Detected
Cumene	0.98	Not Detected	4.8	Not Detected
1,1,2,2-Tetrachloroethane	0.98	Not Detected	6.8	Not Detected
Propylbenzene	0.98	Not Detected	4.8	Not Detected
4-Ethyltoluene	0.98	Not Detected	4.8	Not Detected
1,3,5-Trimethylbenzene	0.98	Not Detected	4.8	Not Detected
1,2,4-Trimethylbenzene	0.98	Not Detected	4.8	Not Detected
1,3-Dichlorobenzene	0.98	Not Detected	5.9	Not Detected
1,4-Dichlorobenzene	0.98	Not Detected	5.9	Not Detected
alpha-Chlorotoluene	0.98	Not Detected	5.1	Not Detected
1,2-Dichlorobenzene	0.98	Not Detected	5.9	Not Detected
1,2,4-Trichlorobenzene	3.9	Not Detected	29	Not Detected
Hexachlorobutadiene	3.9	Not Detected	42	Not Detected

UJ = Analyte associated with low bias in the CCV.

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	104	70-130
4-Bromofluorobenzene	97	70-130

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Client Sample ID: B4-SG

Lab ID#: 2410649-03A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p103016**	**Date of Collection:**	**10/23/24 1:40:00 PM**
Dil. Factor:	**1.98**	**Date of Analysis:**	**10/30/24 06:32 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.99	Not Detected	4.9	Not Detected
Freon 114	0.99	Not Detected	6.9	Not Detected
Chloromethane	9.9	Not Detected	20	Not Detected
Vinyl Chloride	0.99	Not Detected	2.5	Not Detected
1,3-Butadiene	0.99	16	2.2	36
Bromomethane	9.9	Not Detected	38	Not Detected
Chloroethane	4.0	Not Detected UJ	10	Not Detected UJ
Freon 11	0.99	Not Detected	5.6	Not Detected
Ethanol	9.9	100	19	190
Freon 113	0.99	Not Detected	7.6	Not Detected
1,1-Dichloroethene	0.99	Not Detected	3.9	Not Detected
Acetone	9.9	110	24	250
2-Propanol	4.0	31	9.7	76
Carbon Disulfide	4.0	Not Detected	12	Not Detected
3-Chloropropene	4.0	Not Detected	12	Not Detected
Methylene Chloride	9.9	Not Detected	34	Not Detected
Methyl tert-butyl ether	4.0	Not Detected	14	Not Detected
trans-1,2-Dichloroethene	0.99	Not Detected	3.9	Not Detected
Hexane	0.99	11	3.5	39
1,1-Dichloroethane	0.99	Not Detected	4.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	4.0	67	12	200
cis-1,2-Dichloroethene	0.99	Not Detected	3.9	Not Detected
Tetrahydrofuran	0.99	41	2.9	120
Chloroform	0.99	Not Detected	4.8	Not Detected
1,1,1-Trichloroethane	0.99	Not Detected	5.4	Not Detected
Cyclohexane	0.99	2.5	3.4	8.6
Carbon Tetrachloride	0.99	Not Detected	6.2	Not Detected
2,2,4-Trimethylpentane	0.99	4.6	4.6	21
Benzene	0.99	18	3.2	56
1,2-Dichloroethane	0.99	Not Detected	4.0	Not Detected
Heptane	0.99	49	4.0	200
Trichloroethene	0.99	17	5.3	92
1,2-Dichloropropane	0.99	Not Detected	4.6	Not Detected
1,4-Dioxane	4.0	Not Detected	14	Not Detected
Bromodichloromethane	0.99	Not Detected	6.6	Not Detected
cis-1,3-Dichloropropene	0.99	Not Detected	4.5	Not Detected
4-Methyl-2-pentanone	0.99	Not Detected	4.0	Not Detected
Toluene	2.0	Not Detected	7.5	Not Detected
trans-1,3-Dichloropropene	0.99	Not Detected	4.5	Not Detected
1,1,2-Trichloroethane	0.99	Not Detected	5.4	Not Detected
Tetrachloroethene	0.99	Not Detected	6.7	Not Detected
2-Hexanone	4.0	Not Detected	16	Not Detected

eurofins | Air Toxics

Client Sample ID: B4-SG

Lab ID#: 2410649-03A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p103016**	**Date of Collection: 10/23/24 1:40:00 PM**	
Dil. Factor:	**1.98**	**Date of Analysis: 10/30/24 06:32 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.99	Not Detected	8.4	Not Detected
1,2-Dibromoethane (EDB)	0.99	Not Detected	7.6	Not Detected
Chlorobenzene	0.99	Not Detected	4.6	Not Detected
Ethyl Benzene	0.99	2.4	4.3	11
m,p-Xylene	2.0	6.9	8.6	30
o-Xylene	0.99	2.2	4.3	9.4
Styrene	0.99	1.2	4.2	5.2
Bromoform	0.99	Not Detected	10	Not Detected
Cumene	0.99	Not Detected	4.9	Not Detected
1,1,2,2-Tetrachloroethane	0.99	Not Detected	6.8	Not Detected
Propylbenzene	0.99	Not Detected	4.9	Not Detected
4-Ethyltoluene	0.99	2.8	4.9	14
1,3,5-Trimethylbenzene	0.99	1.8	4.9	8.6
1,2,4-Trimethylbenzene	0.99	3.7	4.9	18
1,3-Dichlorobenzene	0.99	Not Detected	6.0	Not Detected
1,4-Dichlorobenzene	0.99	Not Detected	6.0	Not Detected
alpha-Chlorotoluene	0.99	Not Detected	5.1	Not Detected
1,2-Dichlorobenzene	0.99	Not Detected	6.0	Not Detected
1,2,4-Trichlorobenzene	4.0	Not Detected	29	Not Detected
Hexachlorobutadiene	4.0	Not Detected	42	Not Detected

UJ = Analyte associated with low bias in the CCV.

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	106	70-130
1,2-Dichloroethane-d4	100	70-130
4-Bromofluorobenzene	100	70-130

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Client Sample ID: B5-SG

Lab ID#: 2410649-04A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p103017**	**Date of Collection:**	**10/23/24 1:53:00 PM**
Dil. Factor:	**2.03**	**Date of Analysis:**	**10/30/24 07:03 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	1.0	Not Detected	5.0	Not Detected
Freon 114	1.0	Not Detected	7.1	Not Detected
Chloromethane	10	Not Detected	21	Not Detected
Vinyl Chloride	1.0	Not Detected	2.6	Not Detected
1,3-Butadiene	1.0	19	2.2	43
Bromomethane	10	Not Detected	39	Not Detected
Chloroethane	4.1	Not Detected UJ	11	Not Detected UJ
Freon 11	1.0	Not Detected	5.7	Not Detected
Ethanol	10	130	19	250
Freon 113	1.0	Not Detected	7.8	Not Detected
1,1-Dichloroethene	1.0	Not Detected	4.0	Not Detected
Acetone	10	170	24	400
2-Propanol	4.1	13	10	32
Carbon Disulfide	4.1	Not Detected	13	Not Detected
3-Chloropropene	4.1	Not Detected	13	Not Detected
Methylene Chloride	10	Not Detected	35	Not Detected
Methyl tert-butyl ether	4.1	Not Detected	15	Not Detected
trans-1,2-Dichloroethene	1.0	Not Detected	4.0	Not Detected
Hexane	1.0	11	3.6	39
1,1-Dichloroethane	1.0	Not Detected	4.1	Not Detected
2-Butanone (Methyl Ethyl Ketone)	4.1	85	12	250
cis-1,2-Dichloroethene	1.0	Not Detected	4.0	Not Detected
Tetrahydrofuran	1.0	62	3.0	180
Chloroform	1.0	Not Detected	5.0	Not Detected
1,1,1-Trichloroethane	1.0	Not Detected	5.5	Not Detected
Cyclohexane	1.0	2.6	3.5	9.0
Carbon Tetrachloride	1.0	Not Detected	6.4	Not Detected
2,2,4-Trimethylpentane	1.0	2.5	4.7	12
Benzene	1.0	15	3.2	49
1,2-Dichloroethane	1.0	Not Detected	4.1	Not Detected
Heptane	1.0	24	4.2	100
Trichloroethene	1.0	4.9	5.4	26
1,2-Dichloropropane	1.0	Not Detected	4.7	Not Detected
1,4-Dioxane	4.1	Not Detected	15	Not Detected
Bromodichloromethane	1.0	Not Detected	6.8	Not Detected
cis-1,3-Dichloropropene	1.0	Not Detected	4.6	Not Detected
4-Methyl-2-pentanone	1.0	Not Detected	4.2	Not Detected
Toluene	2.0	Not Detected	7.6	Not Detected
trans-1,3-Dichloropropene	1.0	Not Detected	4.6	Not Detected
1,1,2-Trichloroethane	1.0	Not Detected	5.5	Not Detected
Tetrachloroethene	1.0	Not Detected	6.9	Not Detected
2-Hexanone	4.1	Not Detected	17	Not Detected

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Client Sample ID: B5-SG

Lab ID#: 2410649-04A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p103017**	**Date of Collection: 10/23/24 1:53:00 PM**	
Dil. Factor:	**2.03**	**Date of Analysis: 10/30/24 07:03 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	1.0	Not Detected	8.6	Not Detected
1,2-Dibromoethane (EDB)	1.0	Not Detected	7.8	Not Detected
Chlorobenzene	1.0	Not Detected	4.7	Not Detected
Ethyl Benzene	1.0	1.2	4.4	5.2
m,p-Xylene	2.0	2.8	8.8	12
o-Xylene	1.0	Not Detected	4.4	Not Detected
Styrene	1.0	Not Detected	4.3	Not Detected
Bromoform	1.0	Not Detected	10	Not Detected
Cumene	1.0	Not Detected	5.0	Not Detected
1,1,2,2-Tetrachloroethane	1.0	Not Detected	7.0	Not Detected
Propylbenzene	1.0	Not Detected	5.0	Not Detected
4-Ethyltoluene	1.0	1.0	5.0	5.0
1,3,5-Trimethylbenzene	1.0	Not Detected	5.0	Not Detected
1,2,4-Trimethylbenzene	1.0	1.2	5.0	6.1
1,3-Dichlorobenzene	1.0	Not Detected	6.1	Not Detected
1,4-Dichlorobenzene	1.0	Not Detected	6.1	Not Detected
alpha-Chlorotoluene	1.0	Not Detected	5.2	Not Detected
1,2-Dichlorobenzene	1.0	Not Detected	6.1	Not Detected
1,2,4-Trichlorobenzene	4.1	Not Detected	30	Not Detected
Hexachlorobutadiene	4.1	Not Detected	43	Not Detected

UJ = Analyte associated with low bias in the CCV.

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	111	70-130
1,2-Dichloroethane-d4	98	70-130
4-Bromofluorobenzene	97	70-130

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Client Sample ID: B6-SG

Lab ID#: 2410649-05A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p103018**	**Date of Collection:**	**10/23/24 2:06:00 PM**
Dil. Factor:	**2.02**	**Date of Analysis:**	**10/30/24 07:34 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	1.0	Not Detected	5.0	Not Detected
Freon 114	1.0	Not Detected	7.1	Not Detected
Chloromethane	10	Not Detected	21	Not Detected
Vinyl Chloride	1.0	Not Detected	2.6	Not Detected
1,3-Butadiene	1.0	4.3	2.2	9.4
Bromomethane	10	Not Detected	39	Not Detected
Chloroethane	4.0	Not Detected UJ	11	Not Detected UJ
Freon 11	1.0	Not Detected	5.7	Not Detected
Ethanol	10	110	19	210
Freon 113	1.0	Not Detected	7.7	Not Detected
1,1-Dichloroethene	1.0	Not Detected	4.0	Not Detected
Acetone	10	66	24	160
2-Propanol	4.0	7.6	9.9	19
Carbon Disulfide	4.0	Not Detected	12	Not Detected
3-Chloropropene	4.0	Not Detected	13	Not Detected
Methylene Chloride	10	Not Detected	35	Not Detected
Methyl tert-butyl ether	4.0	Not Detected	14	Not Detected
trans-1,2-Dichloroethene	1.0	Not Detected	4.0	Not Detected
Hexane	1.0	2.2	3.6	7.8
1,1-Dichloroethane	1.0	Not Detected	4.1	Not Detected
2-Butanone (Methyl Ethyl Ketone)	4.0	30	12	90
cis-1,2-Dichloroethene	1.0	Not Detected	4.0	Not Detected
Tetrahydrofuran	1.0	18	3.0	53
Chloroform	1.0	Not Detected	4.9	Not Detected
1,1,1-Trichloroethane	1.0	Not Detected	5.5	Not Detected
Cyclohexane	1.0	Not Detected	3.5	Not Detected
Carbon Tetrachloride	1.0	Not Detected	6.4	Not Detected
2,2,4-Trimethylpentane	1.0	Not Detected	4.7	Not Detected
Benzene	1.0	4.7	3.2	15
1,2-Dichloroethane	1.0	Not Detected	4.1	Not Detected
Heptane	1.0	4.9	4.1	20
Trichloroethene	1.0	Not Detected	5.4	Not Detected
1,2-Dichloropropane	1.0	Not Detected	4.7	Not Detected
1,4-Dioxane	4.0	Not Detected	14	Not Detected
Bromodichloromethane	1.0	Not Detected	6.8	Not Detected
cis-1,3-Dichloropropene	1.0	Not Detected	4.6	Not Detected
4-Methyl-2-pentanone	1.0	2.7	4.1	11
Toluene	2.0	Not Detected	7.6	Not Detected
trans-1,3-Dichloropropene	1.0	Not Detected	4.6	Not Detected
1,1,2-Trichloroethane	1.0	Not Detected	5.5	Not Detected
Tetrachloroethene	1.0	Not Detected	6.8	Not Detected
2-Hexanone	4.0	Not Detected	16	Not Detected

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Client Sample ID: B6-SG

Lab ID#: 2410649-05A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p103018**	**Date of Collection: 10/23/24 2:06:00 PM**	
Dil. Factor:	**2.02**	**Date of Analysis: 10/30/24 07:34 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	1.0	Not Detected	8.6	Not Detected
1,2-Dibromoethane (EDB)	1.0	Not Detected	7.8	Not Detected
Chlorobenzene	1.0	Not Detected	4.6	Not Detected
Ethyl Benzene	1.0	Not Detected	4.4	Not Detected
m,p-Xylene	2.0	Not Detected	8.8	Not Detected
o-Xylene	1.0	Not Detected	4.4	Not Detected
Styrene	1.0	Not Detected	4.3	Not Detected
Bromoform	1.0	Not Detected	10	Not Detected
Cumene	1.0	Not Detected	5.0	Not Detected
1,1,2,2-Tetrachloroethane	1.0	Not Detected	6.9	Not Detected
Propylbenzene	1.0	Not Detected	5.0	Not Detected
4-Ethyltoluene	1.0	Not Detected	5.0	Not Detected
1,3,5-Trimethylbenzene	1.0	Not Detected	5.0	Not Detected
1,2,4-Trimethylbenzene	1.0	Not Detected	5.0	Not Detected
1,3-Dichlorobenzene	1.0	Not Detected	6.1	Not Detected
1,4-Dichlorobenzene	1.0	Not Detected	6.1	Not Detected
alpha-Chlorotoluene	1.0	Not Detected	5.2	Not Detected
1,2-Dichlorobenzene	1.0	Not Detected	6.1	Not Detected
1,2,4-Trichlorobenzene	4.0	Not Detected	30	Not Detected
Hexachlorobutadiene	4.0	Not Detected	43	Not Detected

UJ = Analyte associated with low bias in the CCV.

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	107	70-130
1,2-Dichloroethane-d4	95	70-130
4-Bromofluorobenzene	96	70-130

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Client Sample ID: B3-SG

Lab ID#: 2410649-06A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p103019**	**Date of Collection:**	**10/23/24 1:26:00 PM**
Dil. Factor:	**2.04**	**Date of Analysis:**	**10/30/24 08:05 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	1.0	Not Detected	5.0	Not Detected
Freon 114	1.0	Not Detected	7.1	Not Detected
Chloromethane	10	Not Detected	21	Not Detected
Vinyl Chloride	1.0	Not Detected	2.6	Not Detected
1,3-Butadiene	1.0	35	2.2	77
Bromomethane	10	Not Detected	40	Not Detected
Chloroethane	4.1	Not Detected UJ	11	Not Detected UJ
Freon 11	1.0	Not Detected	5.7	Not Detected
Ethanol	10	200	19	370
Freon 113	1.0	Not Detected	7.8	Not Detected
1,1-Dichloroethene	1.0	Not Detected	4.0	Not Detected
Acetone	10	240	24	580
2-Propanol	4.1	9.9	10	24
Carbon Disulfide	4.1	13	13	40
3-Chloropropene	4.1	Not Detected	13	Not Detected
Methylene Chloride	10	Not Detected	35	Not Detected
Methyl tert-butyl ether	4.1	Not Detected	15	Not Detected
trans-1,2-Dichloroethene	1.0	Not Detected	4.0	Not Detected
Hexane	1.0	26	3.6	92
1,1-Dichloroethane	1.0	Not Detected	4.1	Not Detected
2-Butanone (Methyl Ethyl Ketone)	4.1	100	12	310
cis-1,2-Dichloroethene	1.0	Not Detected	4.0	Not Detected
Tetrahydrofuran	1.0	44	3.0	130
Chloroform	1.0	Not Detected	5.0	Not Detected
1,1,1-Trichloroethane	1.0	Not Detected	5.6	Not Detected
Cyclohexane	1.0	5.4	3.5	18
Carbon Tetrachloride	1.0	Not Detected	6.4	Not Detected
2,2,4-Trimethylpentane	1.0	3.6	4.8	17
Benzene	1.0	32	3.2	100
1,2-Dichloroethane	1.0	Not Detected	4.1	Not Detected
Heptane	1.0	38	4.2	160
Trichloroethene	1.0	13	5.5	72
1,2-Dichloropropane	1.0	Not Detected	4.7	Not Detected
1,4-Dioxane	4.1	Not Detected	15	Not Detected
Bromodichloromethane	1.0	Not Detected	6.8	Not Detected
cis-1,3-Dichloropropene	1.0	Not Detected	4.6	Not Detected
4-Methyl-2-pentanone	1.0	Not Detected	4.2	Not Detected
Toluene	2.0	Not Detected	7.7	Not Detected
trans-1,3-Dichloropropene	1.0	Not Detected	4.6	Not Detected
1,1,2-Trichloroethane	1.0	Not Detected	5.6	Not Detected
Tetrachloroethene	1.0	Not Detected	6.9	Not Detected
2-Hexanone	4.1	Not Detected	17	Not Detected

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Client Sample ID: B3-SG

Lab ID#: 2410649-06A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p103019**	**Date of Collection: 10/23/24 1:26:00 PM**	
Dil. Factor:	**2.04**	**Date of Analysis: 10/30/24 08:05 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	1.0	Not Detected	8.7	Not Detected
1,2-Dibromoethane (EDB)	1.0	Not Detected	7.8	Not Detected
Chlorobenzene	1.0	Not Detected	4.7	Not Detected
Ethyl Benzene	1.0	5.6	4.4	24
m,p-Xylene	2.0	5.4	8.8	24
o-Xylene	1.0	2.0	4.4	8.9
Styrene	1.0	1.7	4.3	7.2
Bromoform	1.0	Not Detected	10	Not Detected
Cumene	1.0	Not Detected	5.0	Not Detected
1,1,2,2-Tetrachloroethane	1.0	Not Detected	7.0	Not Detected
Propylbenzene	1.0	Not Detected	5.0	Not Detected
4-Ethyltoluene	1.0	2.1	5.0	10
1,3,5-Trimethylbenzene	1.0	Not Detected	5.0	Not Detected
1,2,4-Trimethylbenzene	1.0	2.3	5.0	11
1,3-Dichlorobenzene	1.0	Not Detected	6.1	Not Detected
1,4-Dichlorobenzene	1.0	Not Detected	6.1	Not Detected
alpha-Chlorotoluene	1.0	Not Detected	5.3	Not Detected
1,2-Dichlorobenzene	1.0	Not Detected	6.1	Not Detected
1,2,4-Trichlorobenzene	4.1	Not Detected	30	Not Detected
Hexachlorobutadiene	4.1	Not Detected	44	Not Detected

UJ = Analyte associated with low bias in the CCV.

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	99	70-130
4-Bromofluorobenzene	99	70-130

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Client Sample ID: Lab Blank

Lab ID#: 2410649-07A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p103010**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/30/24 02:07 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.50	Not Detected	2.5	Not Detected
Freon 114	0.50	Not Detected	3.5	Not Detected
Chloromethane	5.0	Not Detected	10	Not Detected
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
1,3-Butadiene	0.50	Not Detected	1.1	Not Detected
Bromomethane	5.0	Not Detected	19	Not Detected
Chloroethane	2.0	Not Detected UJ	5.3	Not Detected UJ
Freon 11	0.50	Not Detected	2.8	Not Detected
Ethanol	5.0	Not Detected	9.4	Not Detected
Freon 113	0.50	Not Detected	3.8	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Acetone	5.0	Not Detected	12	Not Detected
2-Propanol	2.0	Not Detected	4.9	Not Detected
Carbon Disulfide	2.0	Not Detected	6.2	Not Detected
3-Chloropropene	2.0	Not Detected	6.3	Not Detected
Methylene Chloride	5.0	Not Detected	17	Not Detected
Methyl tert-butyl ether	2.0	Not Detected	7.2	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Hexane	0.50	Not Detected	1.8	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	2.0	Not Detected	5.9	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Tetrahydrofuran	0.50	Not Detected	1.5	Not Detected
Chloroform	0.50	Not Detected	2.4	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Cyclohexane	0.50	Not Detected	1.7	Not Detected
Carbon Tetrachloride	0.50	Not Detected	3.1	Not Detected
2,2,4-Trimethylpentane	0.50	Not Detected	2.3	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
1,2-Dichloroethane	0.50	Not Detected	2.0	Not Detected
Heptane	0.50	Not Detected	2.0	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
1,2-Dichloropropane	0.50	Not Detected	2.3	Not Detected
1,4-Dioxane	2.0	Not Detected	7.2	Not Detected
Bromodichloromethane	0.50	Not Detected	3.4	Not Detected
cis-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
4-Methyl-2-pentanone	0.50	Not Detected	2.0	Not Detected
Toluene	1.0	Not Detected	3.8	Not Detected
trans-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
1,1,2-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
2-Hexanone	2.0	Not Detected	8.2	Not Detected

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Client Sample ID: Lab Blank

Lab ID#: 2410649-07A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p103010**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/30/24 02:07 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.50	Not Detected	4.2	Not Detected
1,2-Dibromoethane (EDB)	0.50	Not Detected	3.8	Not Detected
Chlorobenzene	0.50	Not Detected	2.3	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
m,p-Xylene	1.0	Not Detected	4.3	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected
Styrene	0.50	Not Detected	2.1	Not Detected
Bromoform	0.50	Not Detected	5.2	Not Detected
Cumene	0.50	Not Detected	2.4	Not Detected
1,1,2,2-Tetrachloroethane	0.50	Not Detected	3.4	Not Detected
Propylbenzene	0.50	Not Detected	2.4	Not Detected
4-Ethyltoluene	0.50	Not Detected	2.4	Not Detected
1,3,5-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,2,4-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,3-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,4-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
alpha-Chlorotoluene	0.50	Not Detected	2.6	Not Detected
1,2-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,2,4-Trichlorobenzene	2.0	Not Detected	15	Not Detected
Hexachlorobutadiene	2.0	Not Detected	21	Not Detected

UJ = Analyte associated with low bias in the CCV.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	98	70-130
4-Bromofluorobenzene	93	70-130

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Client Sample ID: CCV

Lab ID#: 2410649-08A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p103005**	**Date of Collection: NA**
Dil. Factor:	**1.00**	**Date of Analysis: 10/30/24 11:28 AM**

Compound	%Recovery
Freon 12	96
Freon 114	93
Chloromethane	93
Vinyl Chloride	92
1,3-Butadiene	83
Bromomethane	113
Chloroethane	68 Q
Freon 11	95
Ethanol	86
Freon 113	96
1,1-Dichloroethene	91
Acetone	78
2-Propanol	94
Carbon Disulfide	91
3-Chloropropene	90
Methylene Chloride	111
Methyl tert-butyl ether	90
trans-1,2-Dichloroethene	97
Hexane	94
1,1-Dichloroethane	102
2-Butanone (Methyl Ethyl Ketone)	88
cis-1,2-Dichloroethene	85
Tetrahydrofuran	95
Chloroform	92
1,1,1-Trichloroethane	94
Cyclohexane	84
Carbon Tetrachloride	100
2,2,4-Trimethylpentane	95
Benzene	98
1,2-Dichloroethane	106
Heptane	92
Trichloroethene	98
1,2-Dichloropropane	104
1,4-Dioxane	100
Bromodichloromethane	106
cis-1,3-Dichloropropene	103
4-Methyl-2-pentanone	105
Toluene	118
trans-1,3-Dichloropropene	101
1,1,2-Trichloroethane	104
Tetrachloroethene	108
2-Hexanone	105

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Client Sample ID: CCV

Lab ID#: 2410649-08A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p103005**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/30/24 11:28 AM**	

Compound	%Recovery
Dibromochloromethane	114
1,2-Dibromoethane (EDB)	102
Chlorobenzene	104
Ethyl Benzene	102
m,p-Xylene	104
o-Xylene	97
Styrene	102
Bromoform	110
Cumene	99
1,1,2,2-Tetrachloroethane	98
Propylbenzene	103
4-Ethyltoluene	106
1,3,5-Trimethylbenzene	105
1,2,4-Trimethylbenzene	104
1,3-Dichlorobenzene	112
1,4-Dichlorobenzene	110
alpha-Chlorotoluene	103
1,2-Dichlorobenzene	112
1,2,4-Trichlorobenzene	107
Hexachlorobutadiene	111

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	110	70-130
1,2-Dichloroethane-d4	96	70-130
4-Bromofluorobenzene	103	70-130

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Client Sample ID: LCS

Lab ID#: 2410649-09A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p103006**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/30/24 12:11 PM**	

Compound	%Recovery	Method Limits
Freon 12	94	70-130
Freon 114	90	70-130
Chloromethane	86	70-130
Vinyl Chloride	91	70-130
1,3-Butadiene	83	70-130
Bromomethane	109	70-130
Chloroethane	67 Q	70-130
Freon 11	92	70-130
Ethanol	83	70-130
Freon 113	84	70-130
1,1-Dichloroethene	75	70-130
Acetone	63 Q	70-130
2-Propanol	88	70-130
Carbon Disulfide	75	70-130
3-Chloropropene	76	70-130
Methylene Chloride	99	70-130
Methyl tert-butyl ether	89	70-130
trans-1,2-Dichloroethene	94	70-130
Hexane	94	70-130
1,1-Dichloroethane	97	70-130
2-Butanone (Methyl Ethyl Ketone)	96	70-130
cis-1,2-Dichloroethene	90	70-130
Tetrahydrofuran	98	70-130
Chloroform	88	70-130
1,1,1-Trichloroethane	89	70-130
Cyclohexane	80	70-130
Carbon Tetrachloride	95	70-130
2,2,4-Trimethylpentane	94	70-130
Benzene	99	70-130
1,2-Dichloroethane	105	70-130
Heptane	94	70-130
Trichloroethene	99	70-130
1,2-Dichloropropane	104	70-130
1,4-Dioxane	97	70-130
Bromodichloromethane	102	70-130
cis-1,3-Dichloropropene	99	70-130
4-Methyl-2-pentanone	98	70-130
Toluene	107	70-130
trans-1,3-Dichloropropene	99	70-130
1,1,2-Trichloroethane	103	70-130
Tetrachloroethene	108	70-130
2-Hexanone	104	70-130

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Client Sample ID: LCS

Lab ID#: 2410649-09A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p103006**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/30/24 12:11 PM**	

Compound	%Recovery	Method Limits
Dibromochloromethane	111	70-130
1,2-Dibromoethane (EDB)	102	70-130
Chlorobenzene	104	70-130
Ethyl Benzene	104	70-130
m,p-Xylene	104	70-130
o-Xylene	98	70-130
Styrene	101	70-130
Bromoform	108	70-130
Cumene	99	70-130
1,1,2,2-Tetrachloroethane	108	70-130
Propylbenzene	108	70-130
4-Ethyltoluene	112	70-130
1,3,5-Trimethylbenzene	113	70-130
1,2,4-Trimethylbenzene	112	70-130
1,3-Dichlorobenzene	118	70-130
1,4-Dichlorobenzene	114	70-130
alpha-Chlorotoluene	108	70-130
1,2-Dichlorobenzene	116	70-130
1,2,4-Trichlorobenzene	122	70-130
Hexachlorobutadiene	125	70-130

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	105	70-130
1,2-Dichloroethane-d4	90	70-130
4-Bromofluorobenzene	108	70-130

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Client Sample ID: LCSD

Lab ID#: 2410649-09AA

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p103007**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/30/24 12:39 PM**	

Compound	%Recovery	Method Limits
Freon 12	95	70-130
Freon 114	92	70-130
Chloromethane	89	70-130
Vinyl Chloride	93	70-130
1,3-Butadiene	84	70-130
Bromomethane	111	70-130
Chloroethane	70	70-130
Freon 11	94	70-130
Ethanol	79	70-130
Freon 113	87	70-130
1,1-Dichloroethene	76	70-130
Acetone	65 Q	70-130
2-Propanol	91	70-130
Carbon Disulfide	77	70-130
3-Chloropropene	81	70-130
Methylene Chloride	95	70-130
Methyl tert-butyl ether	83	70-130
trans-1,2-Dichloroethene	86	70-130
Hexane	85	70-130
1,1-Dichloroethane	88	70-130
2-Butanone (Methyl Ethyl Ketone)	88	70-130
cis-1,2-Dichloroethene	83	70-130
Tetrahydrofuran	93	70-130
Chloroform	87	70-130
1,1,1-Trichloroethane	94	70-130
Cyclohexane	84	70-130
Carbon Tetrachloride	99	70-130
2,2,4-Trimethylpentane	104	70-130
Benzene	96	70-130
1,2-Dichloroethane	100	70-130
Heptane	94	70-130
Trichloroethene	101	70-130
1,2-Dichloropropane	105	70-130
1,4-Dioxane	101	70-130
Bromodichloromethane	102	70-130
cis-1,3-Dichloropropene	99	70-130
4-Methyl-2-pentanone	98	70-130
Toluene	104	70-130
trans-1,3-Dichloropropene	104	70-130
1,1,2-Trichloroethane	107	70-130
Tetrachloroethene	111	70-130
2-Hexanone	102	70-130

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Client Sample ID: LCSD

Lab ID#: 2410649-09AA

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p103007**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/30/24 12:39 PM**	

Compound	%Recovery	Method Limits
Dibromochloromethane	110	70-130
1,2-Dibromoethane (EDB)	102	70-130
Chlorobenzene	104	70-130
Ethyl Benzene	102	70-130
m,p-Xylene	105	70-130
o-Xylene	98	70-130
Styrene	102	70-130
Bromoform	108	70-130
Cumene	99	70-130
1,1,2,2-Tetrachloroethane	100	70-130
Propylbenzene	105	70-130
4-Ethyltoluene	107	70-130
1,3,5-Trimethylbenzene	106	70-130
1,2,4-Trimethylbenzene	104	70-130
1,3-Dichlorobenzene	112	70-130
1,4-Dichlorobenzene	109	70-130
alpha-Chlorotoluene	102	70-130
1,2-Dichlorobenzene	110	70-130
1,2,4-Trichlorobenzene	124	70-130
Hexachlorobutadiene	126	70-130

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	101	70-130
1,2-Dichloroethane-d4	95	70-130
4-Bromofluorobenzene	106	70-130

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Method : TO-15

CAS Number	Compound	Rpt. Limit (ppbv)
75-71-8	Freon 12	0.50
76-14-2	Freon 114	0.50
74-87-3	Chloromethane	5.0
75-01-4	Vinyl Chloride	0.50
106-99-0	1,3-Butadiene	0.50
74-83-9	Bromomethane	5.0
75-00-3	Chloroethane	2.0
75-69-4	Freon 11	0.50
64-17-5	Ethanol	5.0
76-13-1	Freon 113	0.50
75-35-4	1,1-Dichloroethene	0.50
67-64-1	Acetone	5.0
67-63-0	2-Propanol	2.0
75-15-0	Carbon Disulfide	2.0
107-05-1	3-Chloropropene	2.0
75-09-2	Methylene Chloride	5.0
1634-04-4	Methyl tert-butyl ether	2.0
156-60-5	trans-1,2-Dichloroethene	0.50
110-54-3	Hexane	0.50
75-34-3	1,1-Dichloroethane	0.50
78-93-3	2-Butanone (Methyl Ethyl Ketone)	2.0
156-59-2	cis-1,2-Dichloroethene	0.50
109-99-9	Tetrahydrofuran	0.50
67-66-3	Chloroform	0.50
71-55-6	1,1,1-Trichloroethane	0.50
110-82-7	Cyclohexane	0.50
56-23-5	Carbon Tetrachloride	0.50
540-84-1	2,2,4-Trimethylpentane	0.50
71-43-2	Benzene	0.50
107-06-2	1,2-Dichloroethane	0.50
142-82-5	Heptane	0.50
79-01-6	Trichloroethene	0.50
78-87-5	1,2-Dichloropropane	0.50
123-91-1	1,4-Dioxane	2.0
75-27-4	Bromodichloromethane	0.50
10061-01-5	cis-1,3-Dichloropropene	0.50
108-10-1	4-Methyl-2-pentanone	0.50
108-88-3	Toluene	1.0
10061-02-6	trans-1,3-Dichloropropene	0.50
79-00-5	1,1,2-Trichloroethane	0.50
127-18-4	Tetrachloroethene	0.50
591-78-6	2-Hexanone	2.0
124-48-1	Dibromochloromethane	0.50
106-93-4	1,2-Dibromoethane (EDB)	0.50

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Method : TO-15

CAS Number	Compound	Rpt. Limit (ppbv)
108-90-7	Chlorobenzene	0.50
100-41-4	Ethyl Benzene	0.50
108-38-3	m,p-Xylene	1.0
95-47-6	o-Xylene	0.50
100-42-5	Styrene	0.50
75-25-2	Bromoform	0.50
98-82-8	Cumene	0.50
79-34-5	1,1,2,2-Tetrachloroethane	0.50
103-65-1	Propylbenzene	0.50
622-96-8	4-Ethyltoluene	0.50
108-67-8	1,3,5-Trimethylbenzene	0.50
95-63-6	1,2,4-Trimethylbenzene	0.50
541-73-1	1,3-Dichlorobenzene	0.50
106-46-7	1,4-Dichlorobenzene	0.50
100-44-7	alpha-Chlorotoluene	0.50
95-50-1	1,2-Dichlorobenzene	0.50
120-82-1	1,2,4-Trichlorobenzene	2.0
87-68-3	Hexachlorobutadiene	2.0

	Surrogate	Method Limits
2037-26-5	Toluene-d8	70-130
17060-07-0	1,2-Dichloroethane-d4	70-130
460-00-4	4-Bromofluorobenzene	70-130