Phase II Environmental Site Assessment Report

Midway Rising
Portions of Assessor's Parcel Number 441-590-04
3220, 3240, 3250, 3350, and 3500 Sports Arena Boulevard, San Diego, California 92110

Prepared for:

Midway Rising, LLC
12100 Wilshire Boulevard, Suite 1135
Los Angeles, California 90025

SCS ENGINEERS

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July 10, 2023
Project Number: 01213320.07

Mr. Nico Gemigniani
Midway Rising, LLC
12100 Wilshire Boulevard, Suite 1135
Los Angeles, California 90025

Subject: **Phase II Environmental Site Assessment (Assessment)**

Site: **Midway Rising**
3220, 3240, 3250, 3350, and 3500 Sports Arena Boulevard
San Diego, California

Dear Mr. Gemigniani:

SCS Engineers (SCS) is pleased to present this *Phase II Environmental Site Assessment Report* (Report) for the above-referenced Site to Midway Rising, LLC (Client). The Report summarizes the subsurface Phase II Environmental Site Assessment activities (Assessment) conducted by SCS in connection with the proposed development of the Midway Rising development project. The work described in this Report was performed by SCS pursuant to the Consulting Contract between SCS and Midway Rising, LLC (Client).

If we can be of further assistance, or if you have any questions regarding the above scope of work, please contact one of the undersigned at (858) 571-5500 or the provided email addresses.

Sincerely,

Allison O'Neal
Project Professional
SCS ENGINEERS

Chuck Houser, PG
Project Manager
SCS ENGINEERS

Luke Montague, MESM, PG
Vice President
SCS ENGINEERS

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1 BACKGROUND

SCS understands that the site consists of approximately 48 acres of land located at 3220, 3240, 3250, 3350, and 3500 Sports Arena Boulevard in San Diego, California (Figure 1) (Site). Reportedly, the Site is developed with several commercial/retail buildings and the Pechanga Arena (Sports Arena). SCS understands that the Client is planning to redevelop the Site into an entertainment-anchored mixed-use development that includes new residential, office, and retail uses, as well as a new arena (Midway Rising Project) (Project). The proposed redevelopment includes a new 16,000-seat arena, a 200-room hotel, 12 mixed-use and multifamily housing buildings with up to 4,250 apartments, and a multi-acre central urban park.

The site of the current Sports Arena property was initially developed in the early 1940s as temporary housing for military personnel, veterans, and defense workers. Called Frontier Housing in an area that extended beyond the Site boundaries, this housing included four- to eight-unit "barracks"-type structures. Approximately 150 structures (between 600 and 1200 units) appear to have been present at the Site. The development also included a large "L"-shaped structure that was the former "Frontier School." A portion of the former school may have overlapped with the current Sports Arena structure.

In addition, historical photos depict earthwork and what was likely fill operations to level and perhaps raise the grade of the area, which would have been part of the historical San Diego River floodplain or tidal flats.

Current development includes the Pechanga Arena, a gasoline service station, restaurants, and various commercial/retail businesses.

Based on a Phase I Environmental Site Assessment that SCS prepared for the Client, historical environmental land uses/features of concern at various properties within the Site boundaries have included:

- Clarifier system and ice pits
- Current and historical gasoline service stations, including the presence of underground storage tanks (USTs)
- Off-site upgradient facilities that used or have records of a release of petroleum hydrocarbon or halogenated solvent products.
- Lead-based paint (LBP), pesticides, and termiticides
- Historical agricultural use
- Historical printing and furniture stripping shops
- Barracks-style housing with possible fuel oil heating systems
- Presence of fill soils, including burn ash and waste
- Other petroleum hydrocarbon and hazardous materials storage and uses including Kobey's waste storage area

This Assessment included soil, groundwater, and soil vapor sampling activities to evaluate the possible presence of chemicals of concern (CoCs) in the subsurface at the Site from current and past on-Site activities and possible off-Site sources.

2 OBJECTIVES

The objectives of the scope of services included in this Report were to:

- Complete a geophysical survey to evaluate the subsurface of a portion of the Site for the presence of previously unidentified USTs, piping, UST pits, and undocumented fills including burn pits and to evaluate the possible efficacy of using geophysical survey methods to evaluate subsurface conditions.
- Soil Sampling - Assess in representative and focused locations the possible presence and concentrations of elevated concentrations of metals such as lead, petroleum products, volatile organic compounds (VOCs) and organochlorine pesticides (OCPs) in the soil.
- Groundwater Sampling - Assess groundwater for petroleum hydrocarbons and VOCs in select focused locations.
- Soil Vapor Sampling – Assess the possible presence and concentrations of VOCs in the shallow soil vapor in select focused locations.

3 APPROACH

The Phase II assessment activities described in this report were conducted generally during the time that Group Delta was conducting a geotechnical investigation for the proposed development. SCS and Group Delta worked together to develop a scope that allowed SCS to collect samples from some of the borings being drilled by Group Delta using a hollow stem auger drill rig, thus reducing the number of borings SCS had to drill for collection of proposed environmental samples. Therefore, samples described in this report were collected from direct push borings and from hollow stem auger borings. This approach also allowed efficient sampling over a larger portion of the Sports Arena property.

4 SCOPE OF SERVICES

PREPARATION FOR FIELDWORK

Preparation of Health and Safety Plan

A health and safety plan for work conducted at the Site and workers within the "exclusion zone" was required pursuant to the regulations found in 29 Code of Federal Regulations (CFR) Part 1910.120 and California Code of Regulations (CCR), Title 8, Section 5192. Therefore, a health and safety plan was prepared for the proposed work scope, which outlined the potential chemical and physical hazards that may have been encountered during drilling and sampling activities. The appropriate personal protective equipment and emergency response procedures for the anticipated Site-specific chemical and physical hazards were detailed in this plan. SCS and contracted personnel involved with the proposed field work were required to read and sign this document in order to encourage proper health and safety practices.

Utility Search and Markout

SCS notified Underground Service Alert on January 27, 31, and March 16, 2023, as required by state law, prior to drilling and sampling activities and was issued ticket numbers A230270884-00A, A230310895-00A, A230310891-00A, A230310867-00A, A230310863-00A, and B230750489.00B. In addition, two private utility locators, One Atlas and Subsurface Alert, were subcontracted to clear the proposed boring locations for possible subsurface utility conflicts. These procedures were designed to minimize the likelihood of drilling into a subsurface utility. Sampling locations were adjusted as necessary to avoid conflicts with identified subsurface features.

Permitting

For borings used to collect groundwater samples, or borings that exceed 20 feet in depth, drilling permits are required by the San Diego County Department of Environmental Health and Quality (DEHQ). Group Delta obtained drilling permit number LMWP-005770, approved on February 2, 2023. This permit included the soil borings drilled by SCS used to collect groundwater samples. A copy of the approved permit is included in Appendix A.

FIELD ACTIVITIES

Geophysical Survey

On February 8 and 9, 2023, SCS' subcontractor, One Atlas (Atlas), conducted a limited geophysical survey in order to assess for the possible presence of previously unidentified USTs, piping, UST pits, and undocumented fills including burn pits associated with the barracks-style temporary housing associated with Frontier Housing. An approximately 500 foot by 300 foot area along the northern side of the Site was chosen for the survey. This area was chosen because it is currently improved as a large open asphalt paved parking area and could be readily mapped onsite and identified in historic aerial photographs to include several of the barracks-style structures.

Atlas used several instruments including a conductivity meter, metal detector, magnetometer, ground penetrating radar (GPR), and a pipe and cable locator and line tracer.

While the results of the geophysical survey completed on February 8 and 9, 2023 did not conclusively reveal the presence of USTs, it did reveal the presence of subsurface features consisted with some type of utility lines that were in a pattern consistent with the former housing structures in the area of the survey. Based on these results, the geophysical survey was judged to be useful in gaining an understanding of subsurface conditions and choosing potential targets for an investigation of subsurface features of potential concern. A broader geophysical survey was later conducted, the results of which successfully identified features that were evaluated by exploratory trenching. These activities will be covered in a later report.

Soil Sampling and Analysis

On February 6 and 7, 2023 and March 23, 2023, SCS advanced 16 borings using direct push drilling methods (DPV-23-031, DPV-23-032, DP-23-033, DP-23-034, DPV-23-035, DP-23-036, DP-23-037, DP-23-038, DP-23-039, DP-23-040, DP-23-041, DP-23-042, DP-23-043, DPV-23-051, DPV-23-052, and DPV-23-053). In addition, SCS observed the drilling and collected soil samples from 6 hollow stem auger borings drilled by Group Delta (A-23-11, A-23-012, A-23-13, A-23-14, A-23-015, and A-23-016). SCS drilled and/or sampled borings to maximum depths of approximately 15 feet below ground surface (bgs) at locations in close proximity to features of concern at the Site or in the locations chosen by Group Delta. Soil borings DP-23-034, DPV-23-035, DP-23-036, DP-23-037, and A-23-13 also had temporary wells installed with PVC casing to facilitate collection of groundwater samples. Note that groundwater was encountered at depths of approximately 8 to 10 feet bgs. Soil boring DPV-23-053 also included the collection of a soil vapor sample (DPV-23-053) as further discussed in the "Soil Vapor Sampling and Analysis" section below.

The table below summarizes the borings, locations, and rationale:

Boring	Media Sampled	Location	Rationale
A-23-011	Soil	Western Portion of Site	General Environmental Conditions
A-23-012	Soil	Southwest Portion of Site	General Environmental Conditions, Possible Burn Ash/Dump Location
A-23-013	Soil, Groundwater	Northwest Edge of Site	Evaluate possible offsite sources
A-23-014	Soil	Northwest of Arena	General Environmental Conditions
A-23-015	Soil	Southeast of Arena	General Environmental Conditions
A-23-016	Soil	Southeast Portion of Arena Parcel	General Environmental Conditions
DP-23-031	Soil	Northwest Corner of Site	General Environmental Conditions
DP-23-032	Soil	Western Portion of Site	General Environmental Conditions
DP-23-033	Soil	Southwest Portion of Site	Possible Burn Ash/Dump Location
DP-23-034	Soil, Groundwater	Parcel B (Summit Gas Station)	Current Gas Station, Evaluate Possible Release
DP-23-035	Soil, Groundwater	North-center Edge of Site (Adjacent Clean Harbors)	Current Gas Station, Evaluate possible offsite sources
DP-23-036	Soil, Groundwater	Central Portion of Site (Adjacent Clean Harbors)	Evaluate possible offsite sources
DP-23-037	Soil, Groundwater	Adjacent Chiles Restaurant	Evaluate possible former gas station
DP-23-038	Soil	South Side Parcel C (SOMA)	General Environmental Conditions, Evaluate possible offsite sources
DP-23-039	Soil	South Side Parcel F (Shelter)	General Environmental Conditions
DP-23-040	Soil	East Edge Parcel F (Shelter)	General Environmental Conditions
DP-23-041	Soil	North Edge Parcel D (Dixieline)	Evaluate Former UST
DP-23-043	Soil	Central Portion of Site (Arena Parcel A)	General Environmental Conditions
DP-23-042	Soil	Parcel C (SOMA)	General Environmental Conditions
DPV-23-051	Soil	Parcel B (Summit Gas Station)	Evaluate Possible Release
DPV-23-052	Soil	Parcel B (Summit Gas Station near Carwash)	Evaluate Possible Release

DPV-23-053	Soil, Soil Vapor	Parcel B (Chiles Restaurant)	Possible Historic Gas Station, Evaluate Possible Release

Soil samples were generally collected from depths of 0.5, 2.5, 5, 7.5, and/or 10 and soil samples were analyzed for one or more of the following:

- Metals in accordance with EPA Method 6010B.
- Lead in accordance with EPA Method 6010B.
- Waste extraction test (WET) for lead concentration above the CA Title 22 Soluble Threshold Limit Concentration in accordance with EPA Method 6010B.
- Toxic characteristic leaching procedure (TCLP) for lead analyzed in general accordance with prep EPA Method 3010A and EPA Method 6010B.
- Arsenic in accordance with EPA Method 6010B.
- Extended-range total petroleum hydrocarbons (TPH) as gasoline (TPHg), as diesel (TPHd), and as oil (TPHo) in accordance with EPA Method 8015B.
- Volatile organic compounds (VOCs) in accordance with EPA Method 8260B.
- Organochlorine pesticides (OCPs) in accordance with EPA Method 8081A.

Soil samples collected with the direct-push drilling method used a stainless steel drilling rod with an internal clear acetate liner. The ends of the sample tubes were covered with Teflon® sheeting and closed with end caps for handling and transportation. Soil samples collected with hollow stem auger drilling methods involved depositing soil samples from the barrel of the auger into a new 4- or 8-ounce glass jar.

The sampling equipment was decontaminated on-Site between soil samples to minimize the likelihood of "cross-contaminating" the samples and to minimize the potential for a "false positive" in the soil samples analyzed. For the direct-push drilling activities, no soil cuttings were generated. Soil cuttings, purged groundwater, and decontamination liquids from the hollow stem auger borings were placed in 55-gallon drums, labeled, and stored on-Site until disposal to an off-Site licensed facility was completed. The drums were taken, under manifest, to Environmental Waste Solutions (EWS) in Parker South, Arizona. The borings were backfilled with hydrated bentonite, and the ground surface was patched with concrete or asphalt to match the adjacent ground surface.

The sample containers were labeled and delivered to an off-Site laboratory for analysis. Chain-of-custody procedures were implemented for sample tracking. Copies of the laboratory analytical reports are provided in Appendix B.

Groundwater Sampling and Analysis

SCS collected groundwater samples from five borings advanced in areas of:

- Current and historical gasoline service stations, including the presence of USTs with borings DP-23-034 and DP-23-037
- Off-Site upgradient facilities that used or have records of a release of petroleum hydrocarbon or halogenated solvent products and barracks-style housing with possible fuel oil heating systems with borings DP-23-035, DP-23-036, and A-23-13
- Other petroleum hydrocarbon and hazardous materials storage and uses including Kobey's waste storage area DP-23-035

After the borings were advanced to a depth up to 16 feet bgs (20 feet bgs in DP-23-037), a two and one eighth-inch PVC casing with a 8 to 12-foot screened interval from 8 feet to 16 or 20 feet bgs was placed within each of the borings.

Groundwater samples were collected using clean, 3/8 inch new tubing and a check valve for each well and decanted into the appropriate containers for laboratory analysis. The groundwater sample containers were labeled, packed on ice, and submitted to an off-Site laboratory under chain-of-custody for laboratory analysis for TPH (EPA 8015B) and VOCs (EPA 8260B). After the samples were collected, the temporary PVC casing was removed from the boring and the borings were backfilled with hydrated bentonite, and the ground surface was patched with concrete or asphalt to match the adjacent ground surface.

Soil Vapor Sampling and Analysis

On February 7 and March 23, 2023, SCS oversaw the drilling and installation of 17 soil vapor probes (DPV-23-053, SV-23-061-5, SV-23-062-5, SV-23-063-5, SV-23-064-5, SV-23-065-5, SV-23-066-5, SV-23-067-5, SV-23-068-5, SV-23-069-5, SV-23-070-5, SV-23-071-5, SV-23-072-5, SV-23-073-5, SV-23-074-5, SV-23-075-5, and SV-23-076-5) and the collection of 19 soil vapor samples, including two replicates (one required per day), to assess the possible presence and concentrations of VOCs in the soil vapor in the vicinity of several features of environmental concern at the Site. Soil vapor probe DPV-23-053 was originally used for a soil boring that was converted to a soil vapor probe by backfilling the boring with hydrated bentonite from the total depth of soil boring to approximately 5 feet deep. Locations and results of soil vapor samples are included in Figure 6 and results are presented in Table 4.

The soil vapor sample locations and rationale are summarized in the following table:

Boring ID	Boring Locations/Rationale	Sample Depths	Number of Samples Analyzed
DPV-23-053 SV-23-061 SV-23-061 Rep SV-23-062 SV-23-063 SV-23-063 Rep SV-23-064 SV-23-065 SV-23-066 SV-23-067 SV-23-068 SV-23-069 SV-23-070 SV-23-071 SV-23-072 SV-23-073 SV-23-074 SV-23-075 SV-23-076	<u>Near gas station, USTs:</u> SV-23-062 SV-23-063 SV-23-063 Rep DPV-23-053 SV-23-067 SV-23-073 <u>Upgradient:</u> SV-23-061 SV-23-061 Rep SV-23-065 SV-23-066 SV-23-068 SV-23-071 SV-23-072 SV-23-073 SV-23-075 <u>Print & furniture stripping:</u> SV-23-069 SV-23-070 SV-23-071 SV-23-072 <u>Fuel oil heating systems:</u> SV-23-064 SV-23-076 <u>Kobey's waste storage:</u> SV-23-065 <u>Hazardous materials/waste storage:</u> SV-23-074	5 feet bgs	Soil Vapor: 19 VOCs
TOTALS		Soil Vapor: 19 VOCs	

Notes:

bgs: Below ground surface.

VOCs: Volatile organic compounds in general accordance with 8260SV.

Soil vapor sampling activities were conducted in general accordance with the Department of Toxic Substances Control (DTSC), Los Angeles Regional Water Quality Control Board (RWQCB), and San Francisco RWQCB Advisory on Active Soil Gas Investigations, dated July 2015. A temporary soil vapor well, consisting of Nylaflow™ tubing attached to a soil gas probe tip, was installed near the bottom of each boring. An appropriate sand pack a minimum of 6 inches thick was placed around the soil gas probe tip, and the borings were backfilled with at least 6 inches of dry granular bentonite above each sample port and topped with hydrated granular bentonite to the surface. The soil vapor sampling probes were allowed to stabilize for approximately 2 hours prior to sampling, followed by removing the DTSC-default of three purge volumes, and performing a shut-in test and leak test.

Soil vapor samples were collected from the soil vapor sampling probes by collecting soil vapor drawn through the probes into laboratory-provided syringes. Soil vapor samples were secured and analyzed on Site with a state-certified, mobile laboratory (H&P Mobile Geochemistry) and analyzed for VOCs in general accordance with U.S. Environmental Protection Agency (EPA) Method 8260SV. In accordance with the DTSC guidance, one replicate sample per sampling day was analyzed (SV-23-061 Rep and SV-23-063 Rep). Chain-of-custody procedures were implemented for sample tracking.

5 SITE GEOLOGY AND HYDROGEOLOGY

GEOLOGY

A geological map[1] for the Site vicinity indicates that the Site is underlain by artificial fill containing compacted engineered and non-compacted, non-engineered fill. Soil observed by SCS in soil borings advanced during the Assessment consisted of brown to dark brown, silty, fine- to medium-grained sand.

Reported Formation	Artificial fill (af), Urban land, placed historically
Reported Description	Urban land and deposits of fill resulting from human construction, mining, or quarrying activities; includes compacted engineered and non-compacted, non-engineered fill

During drilling, geologic materials observed included artificial fill soils underlain by alluvium, bay muds, tidal flats, and beach bar deposits.

HYDROGEOLOGY

Groundwater depth information was measured and flow direction was estimated during this assessment. The following table summarizes the results of this review:

Property Location	Parcels A and B on Site
Reported Depth	8 to 10 feet below grade
Reported Flow Direction	Estimated to flow to the west/northwest but highly variable based on review of nearby groundwater assessment cases on Geotracker

Please note that many variables influence groundwater depth and flow direction, and that the actual depth and flow direction at the Site may be different than presented in this section.

WATER QUALITY SURVEY

The following table summarizes the reported water quality in the Site vicinity:

Reported Hydrologic Subarea	Mission San Diego (907.11)
Reported Hydrologic Area	Lower San Diego (907.10)
Reported Hydrologic Unit	San Diego (907)
Reported Beneficial Use	None. Due to the Site's location west of the easterly boundary of the Interstate 5 right-of-way, the Site is excepted from the sources of drinking water policy
Source	California RWQCB, San Diego Region, *Water Quality Control Plan for the San Diego Basin*, September 8, 1994, with amendments effective prior to May 17, 2016

[1] Geologic Map of the San Diego 30' x 60' Quadrangle, California, compiled by Michael P. Kennedy and Siang S. Tan, 2005, California Division of Mines and Geology and United States Department of Agriculture Web Soil Survey, https://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx

6 FINDINGS

LABORATORY ANALYTICAL RESULTS

Soil Sample Analytical Results

The results of the soil samples collected and analyzed during the above-described sampling activities on February 6 and 7 and March 23, 2023, are summarized below, which are also tabulated in Tables 1 and 2 and depicted on Figures 3 and 4.

Copies of the laboratory reports are included in Appendix B.

Total Petroleum Hydrocarbons (TPH)

A total of 71 soil samples were analyzed for extended-range TPH in accordance with EPA Method 8015B. TPHg was reported in 1 of the 71 samples analyzed with the reported concentration at 26 milligrams per kilogram (mg/kg) in sample DP-23-031-2.5. Concentrations of TPHd were reported in 4 of the 71 samples analyzed, with detections ranging from 13 mg/kg in sample DP-23-041-10 to 170 mg/kg in sample A-23-14-10'. Concentrations of TPHo above the laboratory reporting limit were reported in 6 of the 71 samples analyzed, with detections ranging from 59 mg/kg in sample DPV-23-031-0.5 to 2,700 mg/kg in sample DP-23-032-0.5.

Volatile Organic Compounds (VOCs)

A total of 4 soil samples collected from the Site were analyzed for VOCs in accordance with EPA Method 8260B. Detectable ethylbenzene above the laboratory reporting limit was reported in 1 of the 4 samples analyzed, sample DP-23-032-0.5, reported at 310 micrograms per kilogram (µg/kg). Concentrations of m,p-xylenes were reported in 1 of the 4 samples analyzed, sample DP-23-032-0.5, reported at 1,400 µg/kg. Detectable o-xylene was reported in 1 of the 4 samples analyzed, sample DP-23-032-0.5, reported at 410 µg/kg. All other VOCs analyzed were reported to be below the respective laboratory reporting limits.

Organochlorine Pesticides (OCPs)

A total of 26 soil samples collected from the Site were analyzed for OCPs in accordance with EPA Method 8081A. Detectable dichlorodiphenyldichloroethylene (DDE) above the laboratory reporting limit was reported in 1 of the 26 samples analyzed, sample A-23-016-0.5,reported at 45 µg/kg. Concentrations of chlordane were reported in 2 of the 26 samples analyzed, and ranged from 460 µg/kg in sample DP-23-038-0.5 to 1,800 µg/kg in sample DP-23-038-2.5. All other OCPs analyzed were reported to be below the respective laboratory reporting limits.

Lead and Other Metals

Soil analytical results for lead and other metals indicated metals were detected above laboratory reporting limits in several samples on Site. The data are presented in Table 2.

Groundwater Sample Analytical Results

The results of the groundwater samples collected and analyzed during the above-described sampling activities on February 6, 2023, are summarized below, which are also tabulated in Table 3 and depicted on Figure 5.

Copies of the laboratory reports are included in Appendix B.

Total Petroleum Hydrocarbons (TPH)

A total of 5 groundwater samples were analyzed for extended-range TPH in accordance with EPA Method 8015B. Concentrations of TPHg were not reported above the laboratory reporting limits in any of the groundwater samples analyzed. Concentrations of TPHd were reported in 3 of the 5 samples analyzed, with detections ranging from of 0.26 milligrams per liter (mg/L) in sample DP-23-034-GW to 0.60 mg/L in sample A-23-13. Concentrations above the laboratory reporting limit of TPHo were reported in 2 of the 5 samples analyzed, with detections ranging from 0.91 mg/L in sample DP-23-034-GW to 1.6 mg/L in sample DP-23-037-GW.

Volatile Organic Compounds (VOCs)

A total of 5 groundwater samples collected from the Site were analyzed for VOCs in accordance with EPA Method 8260B. Detectable bromodichloromethane above the laboratory reporting limit was reported in 1 of the 5 samples analyzed, sample A-23-13 at 0.5 micrograms per liter (µg/L). Detectable dibromochloromethane above the laboratory reporting limit was reported in 1 of the 5 samples analyzed, sample A-23-13 at 0.9 µg/L. All other VOCs analyzed were reported to be below the respective laboratory reporting limits.

Soil Vapor Sample Analytical Results

A summary of the laboratory analytical results for soil vapor is presented below. A complete listing of the results is presented in the laboratory analytical report included in Appendix B. The data are presented in Table 4 and depicted on Figure 6.

VOCs in Soil Vapor

A total of 19 soil vapor samples, identified as DPV-23-053, SV-23-061-5, SV-23-061-5 REP, SV-23-062-5, SV-23-063-5, SV-23-063 Rep, SV-23-064-5, SV-23-065-5, SV-23-066-5, SV-23-067-5, SV-23-068-5, SV-23-069-5, SV-23-070-5, SV-23-071-5, SV-23-072-5, SV-23-073-5, SV-23-074-5, SV-23-075-5, and SV-23-076-5, were analyzed for VOCs in general accordance with EPA Method 8260SV.

Benzene, ethylbenzene, m,p-xylene, o-xylene, and tetrachloroethene (PCE), were reported to be present above the respective laboratory reporting limits in one or more of the soil vapor samples collected at the Site. All other VOCs analyzed were reported to be below the respective laboratory reporting limits.

The uses and presence of these VOCs are summarized below:

- PCE is used as a solvent in industry as well as the dry cleaning and auto repair industry.
- The remaining constituents, including benzene, ethylbenzene, and xylenes, are typical constituents associated with petroleum hydrocarbons such as gasoline.

Based on the relatively low but consistent concentrations of these VOCs throughout the Site, it's not clear whether these VOCs in soil vapor beneath the Site resulted from an on- or off-Site source.

7 DISCUSSION AND VAPOR INTRUSION RISK SCREENING

MITIGATION CRITERIA FOR CONSTITUENT OF CONCERN-BEARING SOIL AND GROUNDWATER

Soil and groundwater Mitigation Criteria are used in this Report for comparison of the reported soil and groundwater sample results to applicable Health Risk-Based Mitigation Criteria, Waste-Based Mitigation Criteria, and Hazardous Waste-Based Mitigation Criteria defined in the table below for the reported and suspected CoCs, which include metals such as arsenic and lead, OCPs, TPH, and VOCs. The applicable regulatory soil and groundwater screening levels for the identified CoCs used herein are summarized in the below table, and are further defined below the table.

Mitigation Criteria/ Mitigation Measure	Constituents of Concern	Analyte (Lab method)	Regulatory Threshold
Waste-Based Pertains to soil export only. Soil with exceedances to be exported as a non-hazardous regulated waste at a minimum	Previously detected CoCs at the Site (arsenic, lead, OCPs, and TPH) and potential CoCs (VOCs, other Title 22 metals)	TPH (EPA 8015B)	Any detectable concentrations[1]
		VOCs (EPA 8260B)	
		OCPs (EPA 8081A)	
		Title 22 metals (EPA 6010B)	Tier 1 SSLs with 90 UCL[1]
Hazardous Waste-Based Soil	Lead and other Metals	Lead and other Metals (EPA 6010B)	>1,000 mg/kg with Site-wide 95 UCL[3] for lead
		WET for Lead and other Metals (CCR 66261.100)	>5 mg/L[3] for lead
Health Risk-Based Soil Mitigation Criteria Soil with exceedances to be properly managed (either exported as regulated waste, or buried on-Site beneath a soil cap)	Lead and other Metals	Lead and other Metals (EPA 6010B)	>80 mg/kg with Site-wide 95 UCL[2] for lead
	Petroleum hydrocarbons	TPHo (EPA 8015B)	>12,000 mg/kg[4]
		TPHd (EPA 8015B)	>260 mg/kg[4]
		TPHg (EPA 8015B)	>430 mg/kg[4]
	OCPs	OCPs (EPA 8081A)	SFRWQCB ESLs[4]
	VOCs	VOCs (EPA 8260B)	DTSC-SL[2]
Health Risk-Based Groundwater Mitigation Criteria Groundwater with exceedances to be properly managed	Petroleum hydrocarbons	TPHo (EPA 8015B)	>100 mg/L[4]
		TPHd (EPA 8015B)	>100 mg/L[4]
		TPHg (EPA 8015B)	NE[4]
	VOCs	VOCs (EPA 8260B)	SFRWQCB ESLs[4]

Notes:
mg/kg: milligrams per kilogram.
mg/L: milligrams per liter.

TPHg, TPHd, TPHo: Total petroleum hydrocarbons as gasoline, diesel, and oil.
VOCs: Volatile organic compounds.
OCPs: Organochlorine pesticides.
UCL: Upper confidence limit.
1: Per San Diego Regional Water Quality Control Board (RWQCB) Tier 1 Soil Screening Levels (SSLs), May 2019.
2: Per Department of Toxic Substances Control (DTSC) Human and Ecological Risk Office (HERO) Human Health Risk Assessment (HHRA) Note Number 3, June 2020, Revised May 2022, recommended Soil Screening Levels for residential users. If a DTSC-SL has not been established for a constituent. The Environmental Protection Agency (EPA) Regional Screening Level (RSL) for residential users dated May 2023, was used for the constituent.
3: Per the California Code of Regulations, Title 22 Article 3, July 20, 2005.
4: The San Francisco Bay Regional Water Quality Control Board (SFBRWQCB) Environmental Screening Levels (ESLs) for residential users, dated 2019 (revised).

Waste-Based Mitigation Criteria – Should there be export of soil at the Site and per our experience with the DEHQ, it is recommended that soil that is classified as a hazardous waste (if encountered) be exported to an appropriately licensed facility rather than be left on-Site.

- For "clean"[2] (Inert) soil that is exported from the Site, the RWQCB Tier 1 SSLs established in the Waiver[3] are intended to be the criteria by which exported waste soil is judged to be clean, described within the Waiver as "inert waste soils that can be reused without restriction."
    - For chemical CoCs including OCPs, TPH, and VOCs, all soil containing any detectable or leachable concentrations of chemical CoCs proposed for export off-Site would need to be disposed of as regulated, non-hazardous waste per the Tier 1 SSLs.
    - For metals, which are naturally occurring, the Tier 1 SSL for the lead is 23.9 mg/kg and the Tier 1 SSL for arsenic is 3.5 mg/kg. If soil was to be exported as Inert, excavated Site soils must be shown, through the collection of soil samples and analysis for lead and other metals, with the 90% upper confidence limit (UCL), to be below the Tier 1 SSL.

Hazardous Waste-Based Mitigation Criteria - For characterizing soil as hazardous waste, the California Code of Regulations, Title 22 Article 3, July 20, 2005, was used.

- Soil is characterized as a California hazardous waste, at a minimum, upon exceedance of the total concentrations of a CoC to the Total Threshold Limit Concentration (TTLC), and/or by comparing the results of a Waste Extraction Test (WET) to the Soluble Threshold Limit Concentration (STLC).
- Soil is characterized as a federal or Resource, Conservation, and Recovery Act (RCRA) hazardous waste through an exceedance of Toxicity Characteristic Leaching Procedure

[2] Inert soil – For purposes of this Report, Inert is defined as soil that does not contain detectable concentrations of possible constituents of concern with the possible exception of California Code Regulations Title 22 metals (with metals concentrations below the San Diego Regional Water Quality Control Board [RWQCB] Tier 1 Soil Screening Levels using a 90 percent upper confidence limit), or leachable concentrations of organic constituents that are consistent with the definition of "inert waste" specified in California Code of Regulations Title 27, section 20230, consistent with the RWQCB *Order No. R9-2019-0005, Conditional Waivers of Waste Discharge Requirements for Low Threat Discharges in the San Diego Region*, May 2019 (Waiver). The soil is comprised of native/formational material as well as fill soil that is interpreted to have been placed during the original development of the Site.

[3] The Tier 1 SSLs presented in RWQCB's *Order No. R9-2019-0005, Conditional Waivers of Waste Discharge Requirements for Low Threat Discharges in the San Diego Region* (Waiver) are intended to be the criteria by which soils are judged to be inert waste soils that can be reused without restriction.

(TCLP) laboratory results upon comparison to the respective Maximum Contaminant Concentration for the Toxicity Characteristic (MCCTC).

Health Risk-Based Mitigation Criteria - to screen soil and groundwater for possible risks to residential users and workers at the Site:

- **For soil VOCs and lead,** the DTSC Human and Ecological Risk Office (HERO) Human Health Risk Assessment (HHRA) Note Number 3, June 2020, revised May 2022: recommended Screening Levels (SLs) for residential soil and cancer endpoint. For constituents where the DTSC SLs are not established, the United States Environmental Protection Agency (EPA) Regional Screening levels (RSLs) for residential soil, May 2022 were used.

- **For TPH, groundwater VOCs, and OCPs,** based on prior conversations with the DEH, SCS uses the SFRWQCB Tier 1 ESLs (2019, Revision 2), which provide conservative screening levels for soil and groundwater impacted with petroleum hydrocarbons and OCPs. The ESLs are intended to help expedite the identification and evaluation of potential environmental concerns.

COMPARISON OF TPH, VOC, AND OCP CONCENTRATIONS IN SOIL TO MITIGATION CRITERIA

TPH Soil

Soil analytical results for TPH were compared to Waste-Based Mitigation-Criteria (i.e., Tier 1 SSLs) and Risk-Based Mitigation Criteria (i.e., SFBRWQCB ESLs) as summarized in the table below.

Analyte	Maximum Site Concentration (mg/kg)	Waste-Based Screening[1]		Health Risk-Based Screening[2]	
		Tier 1 SSL (mg/kg)	Above Tier 1 SSL?	Mitigation Criteria (mg/kg)	Above Mitigation Criteria?
TPHg	26	ND	Yes	430	No
TPHd	170	ND	Yes	260	No
TPHo	2,700	ND	Yes	12,000	No

Notes:
mg/kg: milligrams per kilogram.
1: Waste-Based Screening - Regional Water Quality Control Board (RWQCB) Tier 1 Soil Screening Levels (SSLs) for waste, May 2019. For inert waste soils that can be reused without restriction.
2: Risk-Based Mitigation Criteria - San Francisco Bay Regional Water Quality Control Board (SFBRWQCB), Environmental Screening Levels for residential users (ESLs) (2019, Rev. 2). Risk value was not established; the non-cancer hazard value was used.
TPHg: TPH as gasoline.
TPHd: TPH as diesel.
TPHo: TPH as oil.
ND: Not detected above the laboratory reporting limit.
Red font = the maximum Site concentration for a particular TPH exceeds the Waste-Based Mitigation Criteria or Health Risk-Based Mitigation Criteria.

Comparison of Reported TPH Concentrations to Health Risk-Based Screening Values

Although detectable concentrations of TPH were reported to be present in 7 of the 71 samples analyzed, all of the soil samples analyzed for TPH were reported to be below the Health Risk-Based Mitigation Criteria. Therefore, based on the soil samples collected and analyzed for TPH, this soil is

not considered to represent a human health risk to future residential users of the Site in comparison to the ESLs, and can be freely graded on-Site during grading activities.

Comparison of Reported TPH Concentrations to Waste-Based Screening Values

The 7 soil samples reported with detectable concentrations of TPH exceed the Tier 1 SSLs as stipulated in the RWQCB Waiver. Therefore, if soil represented by these samples is exported from the Site, this soil would be considered a regulated waste and would likely be considered a non-hazardous regulated waste and would need to be disposed of at an appropriately permitted facility (e.g., landfill).

VOCs Soil

Soil analytical results for VOCs were compared to Waste-Based Mitigation-Criteria (i.e., Tier 1 SSLs) and Risk-Based Mitigation Criteria (i.e., DTSC-SLs) as summarized in the table below.

VOCs	Maximum Site Concentration	Waste-Based Screening[1]		Health Risk-Based Screening[2]	
		Tier 1 SSL	Above Tier 1 SSL?	Residential SFBRWQCB ESL/ DTSC RSL/ EPA RSL	Above SFBRWQCB ESL/ DTSC RSL/ EPA RSL?
	(µg/kg)				
Ethylbenzene	310	ND	Yes	5,800	No
m,p-Xylenes	1,400	ND	Yes	550,000	No
o-Xylene	410	ND	Yes	640,000	No

Notes:
µg/kg: micrograms per kilogram.
1) Waste-Based Screening - Regional Water Quality Control Board (RWQCB) Tier 1 Soil Screening Levels (SSLs) for waste, May 2019. For inert waste soils that can be reused without restriction.
2) Health Risk-Based Criteria - For VOCs the Human Health Risk Assessment Note 3 - DTSC-Modified Screening Levels (DTSC-SLs), Table 3 - Screening Levels for Soil Analytes. Residential. June 2020 Update, Revised May 2022.
ND = non-detect above the specified laboratory reporting limits.
Red font = the maximum Site concentration for a particular VOC exceeds the waste-based screening criteria or health risk-based screening criteria.

Comparison of VOC Concentrations to Health Risk-Based Mitigation Criteria (i.e., for Soil That Remains on-Site)

Although detectable concentrations of VOCs were reported to be present in 1 of the 4 samples collected and analyzed, none of these concentrations were found to exceed the Health Risk-Based Mitigation Criteria (i.e., DTSC SLs) for VOCs. Therefore, based on the soil samples collected and analyzed for VOCs, the soil is not considered to represent a human health risk to future residential users of the Site in comparison to the SLs, and can be freely graded on-Site during grading activities.

Comparison of VOC Concentrations to Waste-Based Mitigation Criteria (i.e., for Soil Export)

Regarding waste-based screening criteria, detectable concentrations of chemical constituents such as VOCs would be considered a regulated waste if exported from the Site per the RWQCB Tier 1 SSLs. A total of 1 of the 4 soil samples (sample DPV-23-032-0.5) analyzed for VOCs were reported with detectable concentrations of VOCs; soil represented by this sample would be considered a regulated waste if exported from the Site. Since hazardous waste criteria are not established based

on the reported VOC constituents, the regulated waste soil would likely be considered a non-hazardous regulated waste if exported from the Site based on the VOC concentrations alone.

OCPs Soil

Soil analytical results for OCPs were compared to Waste-Based Mitigation-Criteria (i.e., Tier 1 SSLs) and Risk-Based Mitigation Criteria (i.e., SFBRWQCB ESLs) as summarized in the table below.

VOCs	Maximum Site Concentration	Waste-Based Screening[1]		Health Risk-Based Screening[2]	
		Tier 1 SSL	Above Tier 1 SSL?	Residential SFBRWQCB ESL/ DTSC RSL/ EPA RSL	Above SFBRWQCB ESL/ DTSC RSL/ EPA RSL?
	(µg/kg)				
DDE	45	ND	Yes	1,800	No
Chlordane	1,800	ND	Yes	480	Yes

Notes:

µg/kg: micrograms per kilogram.

1) Waste-Based Screening - Regional Water Quality Control Board (RWQCB) Tier 1 Soil Screening Levels (SSLs) for waste, May 2019. For inert waste soils that can be reused without restriction.

2) Health Risk-Based Criteria - For OCPs based on The San Francisco Bay Regional Water Quality Control Board (SFBRWQCB) Environmental Screening Levels (ESLs) for residential users, dated 2019 (revised).

ND = non-detect above the specified laboratory reporting limits.

Red font = the maximum Site concentration for a particular OCP exceeds the waste-based screening criteria or health risk-based screening criteria.

Comparison of OCP Concentrations to Health Risk-Based Mitigation Criteria (i.e., for Soil That Remains on-Site)

Although detectable concentrations of OCPs were reported to be present in 3 of the 26 samples analyzed, only one sample (sample DP-23-038-2.5) was reported to exceed the Health Risk-Based Mitigation Criteria (i.e., SFBRWQCB ESLs) for OCPs. Sample DP-23-038-2.5 was reported with a chlordane concentration of 1,800 µg/kg, which exceeds the ESL of 480 µg/kg. SCS recommends this soil be excavated, segregated, and properly managed during grading and excavation activities (i.e., either managed on-Site under a clean soil cap under oversight and approval from the DEHQ, or exported to a properly licensed facility (e.g., landfill) as a regulated waste.

The remainder of soil samples analyzed for OCPs were reported to be below the Health Risk-Based Mitigation Criteria. Therefore, based on the remainder of soil samples collected and analyzed for OCPs, this soil is not considered to represent a human health risk to future residential users of the Site in comparison to the ESLs, and can be freely graded on-Site during grading activities.

Comparison of OCP Concentrations to Waste-Based Mitigation Criteria (i.e., for Soil Export)

Regarding waste-based screening criteria, detectable concentrations of chemical constituents such as OCPs would be considered a regulated waste if exported from the Site per the RWQCB Tier 1 SSLs. A total of 3 of the 26 soil samples (samples DP-23-038-0.5, DP-23-038-2.5, and A-23-016-0.5) analyzed for OCPs were reported with detectable concentrations of OCPs; soil represented by these samples would be considered a regulated waste if exported from the Site. Additionally, the reported OCP results are below the Hazardous Waste-Based Mitigation Criteria (i.e., Total Threshold Limit Concentrations [TTLCs] as defined by CA Title 22).

Comparison of Metals Concentrations to Waste-Based Mitigation Criteria (i.e., for Soil Export)

The analytical results of the Title 22 metal analyses were compared to the respective Tier 1 SSL for each metal, which are established in the San Diego RWQCB Waiver[2] and apply to waste export (i.e., for soil that is exported from the Site only). Tier 1 SSLs were exceeded in select sample results for antimony, arsenic, barium, copper, lead, mercury, and zinc.

Title 22 Metal	Number of Samples Analyzed	Maximum Site Concentration (mg/kg)	Waste-Based Screening		Health Risk-Based Screening	
			Tier 1 SSL (mg/kg)	Tier 1 SSL (mg/kg)	DTSC RSL/ EPA RSL (mg/kg)	Above DTSC RSL/ EPA RSL?
Antimony	23	8.8	5	Yes	31	No
Arsenic	32	24	3.5	Yes	12*	Yes
Barium	23	580	509	Yes	15,000	No
Beryllium	23	0.56	4.0	No	1,600	No
Cadmium	23	0.88	4.0	No	910	No
Chromium	23	31	122	No	NE	No
Cobalt	23	9.6	20	No	23	No
Copper	23	130	60	Yes	3,200	No
Lead	90	3,500	23.9	Yes	80	Yes
Mercury	23	0.48	0.26	Yes	1.0	No
Molybdenum	23	1.6	2.0	No	390	No
Nickel	23	16	57	No	15,000	No
Selenium	23	ND	0.21	No	390	No
Silver	23	5.0	2.0	No	390	No
Thallium	23	ND	0.78	No	12	No
Vanadium	23	75	112	No	1,200	No
Zinc	23	840	149	Yes	350,000	No

Notes:

mg/kg = milligrams per kilogram.

Waste-Based Screening - Tier 1 SSLs = Tier 1 Soil Screening Level for inert waste soils that can be reused without restriction. For exceedances, the 90 percent upper confidence limit was used to derive a Site-specific value, as discussed in the Report below.

Risk-Based Screening – DTSC RSL/ EPA RSL = Risk-Based Mitigation Criteria - For metals, the DTSC HERO HHRA Note Number: 3, June 2020, revised May 2022, using the RSLs for residential soil and cancer endpoint, or, for other metals not listed in HHRA Note 3, the Regional Screening levels for residential soil, provided by the EPA and updated as of May 2023 were used.

< - Concentration reported below the listed laboratory reporting limit.

* - For arsenic, although the DTSC RSL is 0.11 mg/kg, concentrations of naturally occurring arsenic typically exceed human health risk screening criteria. Therefore, the DTSC upper-bound background concentration for arsenic of 12 mg/kg was used.

ND = Not detected above the respective laboratory reporting limits.

NE = Not established.

Red font – the maximum Site concentration for a particular metal exceeds the Tier 1 SSL.

Statistics can be used in evaluating a data set when there are at least 8 to 10 observations, and the 90 percent upper confidence limit (90UCL) can be used per the Waiver to evaluate metals concentrations. Note that only 1 of the 23 samples analyzed for antimony and mercury was above the laboratory reporting limits and Tier I SSLs (sample A-23-012-2.5), so there is not enough data to use the 90UCL for antimony and mercury. Please see the discussion below regarding sample A-23-

012-2.5. Below is a discussion of arsenic, barium, copper, lead, and zinc that were reported with concentrations that exceed the Tier 1 SSL and also the results of the 90UCL statistical analysis. The EPA's ProUCL software (version 5.1) was used to calculate the UCLs discussed below. Note that the 95UCL was used instead of the 90UCL, which is considered to be more conservative than the 90UCL, since it was recommended by ProUCL for this dataset.

Antimony, Barium, Copper, Mercury, and Zinc – The 95UCL concentration for barium is 167.3 mg/kg, for copper is 37.87 mg/kg, and for zinc is 228.9 mg/kg (Appendix C), which is below the Tier 1 SSL concentration of 509 mg/kg for barium and copper of 60 mg/kg and above the Tier 1 SSL concentration of 149 mg/kg for zinc. Note that only 1 of the 23 samples analyzed for antimony and mercury was above the laboratory reporting limits, which does not meet the required 8 to 10 observations in order to calculate a 95UCL concentration for antimony and mercury.

Soil sample A-23-012-2.5 is the only sample out of the 23 soil samples analyzed for metals that was reported to exceed the Tier 1 SSL for antimony, barium, copper, mercury, and zinc (see Table 2); it was collected from a depth of approximately 2.5 feet on Site and reported with an antimony concentration of 8.8 mg/kg, a barium concentration of 580 mg/kg, a copper concentration of 130 mg/kg, a mercury concentration of 0.48 mg/kg, and a zinc concentration of 840 mg/kg. Soil represented by sample A-23-012-2.5 exceeding the Tier 1 SSL for antimony, barium, copper, mercury, and zinc would be considered a regulated waste if excavated and exported from the Site.

The Client reported that the Project will be an import project that will require soil to be imported for soil balance purposes; however, it is possible that soil export may be required for portions of the project to accommodate spoils generated by excavating utilities and foundation footings, for example. If soil export is proposed for the Site, it is recommended that the soil proposed for export either have representative soil sample data from this Report, or, if representative data is not available, the soils available for export should be tested for antimony, barium, copper, mercury, and zinc so that the soil can be characterized for proper disposal.

Arsenic – The 95UCL concentration for arsenic is 7.328 mg/kg (Appendix C), which is above the Tier 1 SSL concentration of 3.5 mg/kg for arsenic. Twenty-one soil samples were reported to exceed the Tier 1 SSL for arsenic (see Table 2); they were collected from depths of approximately 0.5 to 5.0 feet on Site and reported with arsenic concentrations ranging from 3.8 mg/kg to 24 mg/kg.

Although arsenic was reported to exceed the Tier 1 SSL for soil that is exported, the 95UCL for the levels reported is within typical background concentration ranges. DTSC Human Health Risk Assessment (HHRA) Note Number 11, Southern California Ambient Arsenic Screening Level released December 28, 2020[4] reports that the upper-bound background concentration for arsenic in southern California soil is 12 mg/kg. Therefore, the 95UCL arsenic concentration of 7.328 mg/kg is below the upper-bound background concentration of 12 mg/kg established by the DTSC. Therefore, the reported arsenic concentrations in shallow soil at the Site are within the range of typical background concentrations and may not be indicative of a release of arsenic.

Note, however, that for the one reported sample that exceeds the DTSC upper-bound background concentration (sample DPV-23-051-0.5 reported with 24 mg/kg arsenic), this sample will likely require proper management during grading based on this concentration.

[4] *Human Health Risk Assessment (HHRA) Note Number 11 Southern California Ambient Arsenic Screening Level California Department of Toxic Substances Control (DTSC) Human and Ecological Risk Office (HERO),* Release date: December 28, 2020.

Lead - The 95UCL concentration for lead based on all samples analyzed is 245.9 mg/kg (Appendix C), which is above the Tier 1 SSL concentration of 23.9 mg/kg for lead. Four soil samples were reported to exceed the Tier 1 SSL for lead (samples DP-23-035-7.5, DP-23-043-7.5, A-23-012-2.5, and A-23-012-5.0); they were collected from depths of approximately 2.5 to 7.5 feet at the Site and reported with lead concentrations ranging from 28 mg/kg to 3,500 mg/kg.

Lead leachability tests were also completed for samples A-23-012-2.5 and A-23-012-5.0, which were collected from depths of approximately 2.5 to 5.0 feet below grade and reported with total lead concentrations of 3,500 and 1,400 mg/kg, respectively. Samples A-23-012-2.5 and A-23-012-5.0 were analyzed using the WET for lead and were reported with WET concentrations of 12 and 28 milligrams per liter (mg/L), respectively. Since each of these constituents are above the Hazardous Waste-Based Mitigation Criteria (i.e., Soluble Threshold Limit Concentration [STLC] for lead of 5 mg/L), the toxicity characteristic leaching procedure (TCLP) was analyzed for A-23-012-2.5, but due to insufficient sample volume, a TCLP test could not be completed for A-23-012-5.0. Additional sampling in the area of sample A-23-01205.0 will be required to assess whether soil represented by this sample will be considered a California hazardous waste. The TCLP result for A-23-012-2.5 is 0.65 mg/L, which is below the Hazardous Waste-Based Mitigation Criteria (i.e., Maximum Concentration of Contaminants for the Toxicity Characteristic [MCCTC] for of 5 mg/L); therefore, soil represented by sample A-23-012-2.5 would not be considered a California hazardous waste if excavated and exported from the Site.

The Client reported that the Project will be an import project that will require soil to be imported for soil balance purposes; however, it is possible that soil export may be required for portions of the project to accommodate spoils generated by excavating utilities and foundation footings, for example. If soil export is proposed for the Site, it is recommended that the soil proposed for export either have representative soil sample data from this Assessment, or, if representative data is not available, the soils available for export should be tested for lead so that the soil can be characterized for proper disposal.

Comparison of Metals Concentrations to Risk-Based Mitigation Criteria (i.e., for Soil that Remains on-Site)

Regarding the comparison of metals to Risk-Based Mitigation Criteria, with the exception of arsenic and lead, the reported metals concentrations are below applicable residential human health risk-screening criteria (i.e., DTSC HERO HHRA Note Number 3 SLs, June 2020, revised May 2022, and EPA RSLs, May 2023).

For the metal arsenic, concentrations were reported above the DTSC RSL for arsenic of 0.36 mg/kg in 28 of the 32 soil samples analyzed for arsenic. Although arsenic was reported to exceed the residential DTSC RSL, the 95UCL concentration of 7.328 mg/kg is below the DTSC upper-bound background concentration for arsenic in southern California soil of 12 mg/kg. Therefore, the 95UCL arsenic concentration of 7.328 mg/kg is below the upper-bound background concentration of 12 mg/kg established by the DTSC. Therefore, the reported arsenic concentrations in shallow soil at the Site are within the range of typical background concentrations and may not be indicative of a release of arsenic.

Note, however, that for the one reported sample that exceeds the DTSC upper-bound background concentration (sample DPV-23-051-0.5 reported with 24 mg/kg arsenic), this sample will likely require proper management during grading based on this concentration.

For the metal lead, concentrations were reported above the DTSC RSL for lead of 80 mg/kg in 2 of the 90 soil samples analyzed for lead. The two soil samples reported to exceed the DTSC RSL for lead of 80 mg/kg (samples A-23-012-2.5 and A-23-012-5.0) were collected from depths of approximately 2.5 to 5.0 feet at the Site and reported with lead concentrations of 3,500 and 1,400 mg/kg, respectively. These samples will require proper management during grading based on these concentrations.

COMPARISON OF TPH, VOC, AND OCP CONCENTRATIONS IN GROUNDWATER TO MITIGATION CRITERIA

TPH Groundwater

Groundwater analytical results for TPH were compared to Risk-Based Mitigation Criteria (i.e., SFBRWQCB ESLs) as summarized in the table below.

Analyte	Maximum Site Concentration (mg/L)	Health Risk-Based Screening[1]	
		Mitigation Criteria (mg/L)	Above Mitigation Criteria?
TPHg	ND	100	No
TPHd	0.60	100	No
TPHo	1.6	NE	No

Notes:
mg/L: milligrams per liter.
1: Risk-Based Mitigation Criteria - San Francisco Bay Regional Water Quality Control Board (SFBRWQCB), Environmental Screening Levels for residential users (ESLs) (2019, Rev. 2). Risk value was not established; the non-cancer hazard value was used.
TPHg: TPH as gasoline.
TPHd: TPH as diesel.
TPHo: TPH as oil.
ND: Not detected above the laboratory reporting limit.
NE: Not established.
Red font = the maximum Site concentration for a particular exceeds the Waste-Based Mitigation Criteria or Health Risk-Based Mitigation Criteria.

Comparison of Reported TPH Concentrations to Health Risk-Based Screening Values

Although detectable concentrations of TPH were reported to be present in 3 of the 5 samples analyzed, all of the groundwater samples analyzed for TPH were reported to be below the Health Risk-Based Mitigation Criteria.

VOCs Groundwater

Groundwater analytical results for VOCs were compared to Risk-Based Mitigation Criteria (i.e., DTSC-SLs) as summarized in the table below.

VOCs	Maximum Site Concentration	Health Risk-Based Screening[1]	
		Residential SFBRWQCB ESL/	Above SFBRWQCB ESL
	(µg/L)		
Bromodichloro-methane	0.5	0.87	No

VOCs	Maximum Site Concentration	Health Risk-Based Screening[1]	
		Residential SFBRWQCB ESL/	Above SFBRWQCB ESL
	(µg/L)		
Dibromochloro-methane	0.9	46	No

Notes:

µg/L: micrograms per liter.

1) Health Risk-Based Criteria - For VOCs the San Francisco Bay Regional Water Quality Control Board (SFBRWQCB), Environmental Screening Levels for residential users (ESLs) (2019, Rev. 2).

Red font = the maximum Site concentration for a particular metal exceeds the waste-based screening criteria or health risk-based screening criteria.

Comparison of VOC Concentrations to Health Risk-Based Mitigation Criteria

Although detectable concentrations of VOCs were reported to be present in 1 of the 5 samples analyzed, all of the groundwater samples analyzed for VOCs were reported to be below the Health Risk-Based Mitigation Criteria.

VAPOR INTRUSION RISK SCREENING (VIRS)

Since VOCs (including benzene, ethylbenzene, m,p-xylene, o-xylene, and PCE) were reported to be present in soil vapor above the laboratory reporting limits, a VIRS was conducted on the Site (Table 4) to assess the potential for Significant human health risk posed to occupants of the existing and proposed commercial land use and possible future residential use due to the upward migration of VOCs in soil vapor.

Approach

The VIRS was conducted using the DTSC default Attenuation Factors (AF) for existing commercial building and future residential building of 0.001, as well as 0.0005 for a possible future commercial building in the event that the Site is redeveloped, as recommended in DTSC's Final Guidance for the Evaluation and Mitigation of Subsurface Vapor Intrusion to Indoor Air (DTSC 2011 Vapor Intrusion Guidance)[5]. In addition, a conservative AF of 0.03 is also considered based on the recommendation presented in the California Environmental Protection Agency's (Cal EPA) Final Draft Supplemental Guidance: Screening and Evaluating Vapor Intrusion (Supplemental Draft Guidance)[6]. To be conservative, the AFs were then applied to the highest reported concentration of each constituent reported in soil vapor. The resulting values were compared against the DTSC-Modified Screening Levels (DTSC-SLs) provided in DTSC Human Health Risk Assessment (HHRA) Note 3[7] in conjunction with DTSC HHRA Note 4[8]. For chemicals not listed in HHRA Note 3, the USEPA Regional Screening Levels (RSLs)[9] were used.

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5 Department of Toxic Substances Control (DTSC), State of California Vapor Intrusion Guidance Document - Final, dated October 2011. Table 2 - Attenuation Factors for Preliminary Screening Evaluations of the Vapor Intrusion Guidance.

6 *Supplemental Guidance: Screening and Evaluating Vapor Intrusion, Final Draft*, (Supplemental Draft Guidance) February 2023, prepared by California Environmental Protection Agency (Cal EPA).

7 Human Health Risk Assessment Note 3 - DTSC-Modified Screening Levels (DTSC-SLs), Table 3 - Screening Levels for Ambient Air, June 2020 Update Revised May 2022.

8 Human Health Risk Assessment Note 4 – Guidance for Screening Level Human Health Risk Assessments, March 29, 2022.

9 Regional Screening Levels (RSLs) for commercial/industrial soil, provided by the EPA and updated as of May 2022.

DTSC/CalEPA VIRS Results

In the table below, the highest reported concentration of each constituent reported in soil vapor was multiplied by default attenuation factors for an existing commercial use/future residential use and a proposed commercial use as recommended in the DTSC 2011 Vapor Intrusion Guidance, as well as the CalEPA recommended attenuation factor of 0.03 from the Supplemental Draft Guidance, to obtain a predicted indoor air concentration. To evaluate for a potential vapor intrusion risk, the resulting values were compared against the DTSC-Modified Screening Levels (DTSC-SLs) provided in DTSC Human Health Risk Assessment (HHRA) Note 3, or, if a DTSC-SL has not been established for a constituent (e.g., chloroform), the Environmental Protection Agency (EPA) Regional Screening Level (RSL) dated May 2023, was used.

VOC	Maximum Concentration Detected at the Site	DTSC 2011 Guidance		Supplemental CalEPA 2023 Draft Guidance	DTSC/EPA Screening Levels[4] Commercial/ Residential	Action Recommended (based on attenuation factors described herein)
		Predicted Indoor Air Concentration for Existing Commercial and Future Residential Use[1]	Predicted Indoor Air Concentration for Future Commercial Use[2]	Predicted Indoor Air Concentration using 0.03 Attenuation Factor[3]		
	(µg/m3)					
Benzene	32	0.032	0.016	0.96	0.42/0.097	No
Ethylbenzene	870	0.870	0.435	26.1	4.9/1.1	No
m,p-Xylene	3,600	3.6	1.8	108	440/100	No
o-Xylene	990	0.990	0.495	29.7	440/100	No
PCE	41	0.04	0.021	1.2	0.53/0.12	No

Notes:

µg/m³ – micrograms per cubic meter.

Red font indicates an exceedance of a commercial and residential screening levels for the constituent.

Orange font indicates an exceedance of the residential screening level only for the constituent.

1 Maximum soil vapor concentration multiplied by the default Department of Substances Control (DTSC) attenuation factor of 0.001 for an existing commercial building and future residential building, per Table 2 - Attenuation Factors for Preliminary Screening Evaluations of the *Final Guidance for the Evaluation and Mitigation of Subsurface Intrusion to Indoor Air* (Vapor Intrusion Guidance), prepared by the DTSC and dated October 2011.

2 Maximum soil vapor concentration multiplied by the default DTSC attenuation factor of 0.0005 for a future commercial building, per Table 2 - Attenuation Factors for Preliminary Screening Evaluations of the Vapor Intrusion Guidance.

3 As recommended in the *Supplemental Guidance: Screening and Evaluating Vapor Intrusion, Final Draft*, February 2023, (Supplemental Draft Guidance) prepared by California Environmental Protection Agency (Cal EPA).

4 Human Health Risk Assessment Note 3 - DTSC-Modified Screening Levels (DTSC-SLs), Table 3 - Screening Levels for Ambient Air. Commercial/Industrial June 2020 Update, Revised May 2022. For constituents for which a DTSC-SL is not available (ethylbenzene, xylenes, and chloroform), the Regional Screening Level (RSL) provided by the U.S. Environmental Protection Agency (EPA) and updated May 2022 was used.

DTSC 2011 Attenuation Factor Results

After applying the applicable DTSC attenuation factors 0.001 for the existing commercial and future residential land use and 0.0005 for the future commercial land use to the maximum reported concentrations of VOCs in soil vapor beneath the Site (benzene, ethylbenzene, m,p-xylene, o-xylene, and PCE), the maximum theoretical concentrations of VOCs in indoor air at the Site are below the

commercial/residential screening levels (DTSC-SLs or RSLs). Based on the available data and in using the DTSC 2011 Guidance, it is our opinion that it is unlikely that a Significant vapor intrusion risk exists as a result of the detected soil vapor concentrations at the Site.

Supplemental Draft Guidance 2023 Attenuation Factor Results

After applying the applicable CalEPA-recommended attenuation factor of 0.03 to the maximum reported concentrations of VOCs in soil vapor beneath the Site (i.e., benzene, ethylbenzene, m,p-xylene, o-xylene, and PCE), the maximum theoretical concentrations of benzene and ethylbenzene in indoor air at the Site exceed the commercial and residential screening levels (DTSC-SLs) and m,p-xylene and PCE in indoor air at the Site exceed the residential screening levels (DTSC-SLs).

SCS notes that the Supplemental Draft Guidance states:

> "The Supplemental Guidance sets forth one approach that may be used by practitioners and regulators when screening buildings for potential health risk to building occupants from subsurface vapor contamination," and
>
> "Disclaimer: This document is guidance and is not regulation or a water quality control plan or policy, therefore, use of this Supplemental Guidance is optional."

In addition, the Supplemental Draft Guidance allows for alternative approaches based on multiple lines of evidence (LOE). SCS notes, as additional LOEs, several peer-reviewed scientific studies[10,11,12], including one prepared by DTSC staff based on a DTSC AF database for sites in California, indicate the use of 0.03 as the default AF for sub-slab and deeper soil gas for both residential and commercial buildings in California is not appropriate, as it is not representative of VOC attenuation across slab-on-grade foundations, nor representative for commercial buildings, in particular, in the state of California. In our opinion, these LOEs supersede or obviate the suggested approach to screening sites presented in the Supplemental Draft Guidance. Please refer to Appendix D for a more detailed discussion of vapor intrusion screening approaches and a review of relevant guidance and published literature.

The AF values derived from the empirical data and the peer-review studies referenced above and more fully described in Appendix D are all at least an order of magnitude less than the default USEPA AF of 0.03, but are comparable to the AFs presented in the DTSC 2011 Vapor Intrusion Guidance, which SCS considers to be representative of conditions in the state of California.

As previously stated, it is SCS understanding that the Supplemental Draft Guidance is guidance, not regulation. Nevertheless, certain regulatory agencies and lenders are relying on the CalEPA-recommended AF of 0.03 to screen and evaluate sites for potential vapor intrusion issues, and, to the extent a specific regulator or lender is involved with any given site or real estate transaction, we

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10 Rafat Abbasi, PE, Dan Gallagher, PG, and Dr. William Bosan, PhD, 2020. DTSC's Vapor Intrusion Database: Evaluation of Attenuation Factors for Buildings in California. July 23, 2020. Obtained via a Freedom of Information Act request and peer reviewed pursuant to HSC Section 57004.

11 Ettinger et al., 2018. Empirical Analysis of Vapor Intrusion Attenuation Factors for Sub-Slab and Soil Vapor – An Updated Assessment for California Sites, Paper # VI22, Presented at the Vapor Intrusion, Remediation, and Site Closure Conference December 5 - 6, 2018. Phoenix, AZ.

12 Lahvis, M.A., Ettinger, R.A., 2021, Improving Risk-Based Screening at Vapor Intrusion Sites in California, Groundwater Monitoring & Remediation 41, no. 2/ Spring 2021/pages 73–86.

recommend you contact them to discuss the determination of applicable regulations and/or guidance regarding vapor intrusion.

Please see Appendix D for a more detailed discussion of vapor intrusion screening approaches and a review of relevant guidance and published literature.

8 CONCLUSIONS

Based on the data obtained and reviewed as part of this Report, laboratory results, and current regulatory guidelines, and SCS' experience and professional judgment, SCS concludes the following:

Background

- SCS performed an Assessment consisting of the following:
    - Advancement of 22 soil borings, 16 with a direct drill rig (borings DP-23-031 through DP-23-043, DPV-23-051, DPV-23-052, and DPV-23-053) and 6 using hollow stem auger drilling methods (A-23-011 through A-23-016) to maximum depths of 15 feet below ground surface (bgs) at the Site to assess the soils for constituents of concern (CoCs) including, total petroleum hydrocarbons (TPH), volatile organic compounds (VOCs), organochlorine pesticides (OCPs), and metals.
    - Soil borings DP-23-034, DPV-23-035, DP-23-036, DP-23-037, and A-23-13 also had temporary wells installed with PVC casing so that groundwater could be sampled. Note that groundwater was encountered at depths of approximately 8 to 10 feet bgs.
    - Advancement and sampling of 17 soil vapor probes (identified as DPV-23-053 and SV-23-061-5 through SV-23-076-5) and the collection of 19 soil vapor samples (including 2 replicate samples) from 5 feet below grade for analysis of VOCs. Soil vapor probe DPV-23-053 was originally used for a soil boring that was converted to a soil vapor probe by backfilling the boring with hydrated bentonite from the total depth of soil boring to approximately 5 feet deep.

Geophysical Survey

Although the results of the geophysical survey did not conclusively reveal the presence of underground storage tanks (USTs), it did reveal the presence of subsurface features consistent with some type of utility lines that were in a pattern resembling the layout of the former housing structures in the area of the survey. Based on these results, the geophysical survey was judged to be useful in gaining an understanding of subsurface conditions and choosing potential targets for an investigation of subsurface features of potential concern. A broader geophysical survey was later conducted, the results of which successfully identified features that were evaluated by exploratory trenching. These activities will be covered in a later report.

Soil Investigation

- Detectable concentrations of TPH, VOCs, and OCPs and somewhat elevated concentrations of the metals antimony, arsenic, barium, copper, lead, mercury, and zinc were reported to be present in certain samples collected at the Site and exceed Waste-Based Mitigation Criteria (i.e., Regional Water Quality Control Board [RWQCB] Tier 1 Soil Screening Levels [SSLs]). Reported concentrations of TPH include relatively low concentrations in the gasoline, diesel,

and oil carbon chain lengths. Reported concentrations of VOCs include ethylbenzene, m,p-xylenes, and o-xylene. Reported concentrations of OCPs include relatively low concentrations of 4,4'-dichlorodiphenyldichloroethylene (DDE), and an elevated concentration of chlordane in one soil sample.

- The OCP chlordane was detected above the Health Risk-Based Mitigation criteria in one sample (DP-23-038-2.5) collected at approximately 2.5 feet below the ground surface at a concentration of 1,800 micrograms per kilogram (µg/kg), which exceeds the ESL of 480 µg/kg. SCS recommends this soil be excavated, segregated, and properly managed during grading and excavation activities (i.e., either managed on-Site under a clean soil cap under oversight and approval from the Department of Environmental Health and Quality (DEHQ), or exported to a properly licensed facility (e.g., landfill) as a regulated waste.

- Detectable chemical constituents such as TPH, VOCs, and OCPs in soil exceed applicable Waste-Based Mitigation Criteria (i.e., the RWQCB Tier 1 SSLs), which applies to soil that is exported from the Site. In the event that the soil that exceeds the Waste-Based Mitigation Criteria is exported from the Site, it should be exported to a properly licensed facility as a regulated waste, likely as a non-hazardous regulated waste.

- With the possible exception of sample A-23-012-5.0 discussed below, none of the metal concentrations were reported to exceed Hazardous Waste-Based Mitigation Criteria. Due to insufficient sample volume, toxicity characteristic leaching procedure of lead could not be analyzed for A-23-012-5.0. Additional sampling in the area of sample A-23-012-5.0 would be required to determine if it would be considered a California hazardous waste.

- With the possible exception of arsenic, lead, and chlordane that is further described in the bullets below, none of the reported TPH, OCP, VOC, and metal concentrations were reported to exceed Health Risk-Based Mitigation Criteria for residential users established by the Department of Toxic Substances Control (DTSC) (recommended Screening Levels [SLs]), San Francisco Bay Regional Water Quality Control Board (Environmental Screening Levels), and US Environmental Protection Agency RSLs, as stipulated in the Report. Therefore, based on the soil samples collected and analyzed for TPH, OCPs (except chlordane described below), VOCs, and Title 22 metals (except arsenic and lead described below), the soil is not considered to represent a human health risk to future residential users of the Site, and can be freely graded on-Site during grading activities.

- For the metal arsenic, concentrations were reported above the DTSC SL for arsenic of 0.36 milligrams per kilogram (mg/kg) in 28 of the 32 soil samples analyzed for arsenic. Although arsenic was reported to exceed the residential DTSC RSL, the 95 percent upper confidence limit (95UCL) concentration of 7.328 mg/kg is below the DTSC upper-bound background concentration for arsenic in southern California soil of 12 mg/kg. Therefore, the 95UCL arsenic concentration of 7.328 mg/kg is below the upper-bound background concentration of 12 mg/kg established by the DTSC. Therefore, the reported arsenic concentrations in shallow soil at the Site are within the range of typical background concentrations and may not be indicative of a release of arsenic.

Note, however, that for the one reported sample that exceeds the DTSC upper-bound background concentration (sample DPV-23-051-0.5 reported with 24 mg/kg arsenic), this sample will likely require proper management during grading based on this concentration.

- For the metal lead, concentrations were reported above the DTSC RSL for lead of 80 mg/kg in 2 of the 90 soil samples analyzed for lead. The two soil samples reported to exceed the DTSC RSL for lead (samples A-23-012-2.5 and A-23-012-5.0) were collected from depths of approximately 2.5 to 5.0 feet at the Site and reported with lead concentrations of 3,500 and 1,400 mg/kg, respectively, indicating soil represented by these samples would be a hazardous waste if excavated and export from the Site. SCS recommends soil represented by these samples be excavated and exported to an appropriately licensed facility prior to or during the proposed grading operations for the Project.

Groundwater Investigation

- Although detectable concentrations of TPH and VOCs (i.e., bromodichloromethane and dibromochloromethane) were reported to be present in up to 3 of the 5 samples analyzed, all of the groundwater samples analyzed for TPH and VOCs were reported to be below the Health Risk-Based Mitigation Criteria.

Soil Vapor Investigation

- The maximum reported concentrations of CoCs reported in soil vapor samples above the laboratory reporting limits are 32 micrograms per meters cubed (µg/m^3) for benzene, 870 µg/m^3 for ethylbenzene, 3,600 µg/m^3 for m,p-xylene, 990 µg/m^3 for o-xylene, and 41 µg/m^3 for tetrachloroethene (PCE). No other constituents analyzed under EPA Method 8260SV were reported above their respective laboratory reporting limits.

- Because VOCs were reported above the laboratory reporting limits in the soil vapor samples collected from the Site, a vapor intrusion risk screening was conducted to assess the potential for Significant vapor intrusion risk posed to the existing commercial and possible future commercial and residential occupants at the Site due to the upward migration of VOCs in soil vapor.

- After applying the applicable 2011 Department of Substances Control (DTSC) attenuation factors for the existing commercial and possible future residential land use (0.001 and 0.0005 respectively) to the maximum reported concentrations of VOCs in soil vapor beneath the Site, the maximum theoretical concentrations of VOCs in indoor air at the Site do not exceed the commercial and residential screening levels (DTSC- Modified Screening Levels).

- After applying the applicable CalEPA-recommended attenuation factor of 0.03 to the maximum reported concentrations of VOCs in soil vapor beneath the Site (i.e., benzene, ethylbenzene, m,p-xylene, o-xylene, and PCE), the maximum theoretical concentrations of benzene and ethylbenzene in indoor air at the Site exceed the commercial and residential screening levels (DTSC-SLs) and m,p-xylene and PCE in indoor air at the Site exceed the residential screening levels (DTSC-SLs).

- In addition, based on our review of independent and peer-reviewed literature, SCS is of the opinion that the attenuation factor of 0.03 is not representative of Site conditions, as

explained previously in this Report in the "Supplemental Draft Guidance Attenuation Factor Results" section above, and more in-depth in Appendix D.

- Under the current commercial land use at the Site, based on the lack of open exposure routes due to the presence of asphalt paving and structures across the Site, no further action is recommended relative to the features of potential concern and investigation results from this Assessment.

- For the proposed redevelopment of the Site with a mixed-use land use, further assessment and possibly Site mitigation (e.g., impacted soil removal) is recommended prior to and during the proposed construction activities.

- If significant excavation or grading occurs at the Site, particularly in the areas of historical concern (former gasoline service station, former inground sump, and historical agricultural uses), or if the Site is redeveloped and/or if the land use of the Site changes, excavated soil impacted with petroleum hydrocarbons, elevated metals, and OCPs will require proper management (i.e., reuse under a clean soil cap subject to the approval of the DEHQ, or disposal as a hazardous or regulated waste at a properly licensed disposal facility). If such occurs, confirmation sampling should be done to verify conditions after soil excavation, and additional soil sampling will be needed to further delineate the extent of subsurface impacts or profile export soil for disposal.

9 RECOMMENDATION

Based on the data obtained during this Assessment and our conclusions, current regulatory guidelines, and our experience and professional judgment, SCS recommends the following:

- Considering that the Site is proposed to be redeveloped, SCS recommends that the issues identified above be incorporated into a comprehensive Soil Management Plan to address regulated waste criteria, worker exposure issues, and the proposed future residential and commercial development plans and land uses. The Soils Management Plan will describe the methods and details and other aspects of the proper handling and management of soils that exceed the Mitigation Criteria that will be encountered during the grading and construction of the proposed Project.

- Additional soil sampling is recommended as well in focused areas of the Site to further delineate CoC impacted areas and for pre-characterization of soil proposed to be graded within the Project redevelopment footprint, particularly in areas where soil borings could not be advanced during this Assessment due to the presence of the existing Site buildings.

10 REPORT USAGE AND FUTURE SITE CONDITIONS

This Report is intended for the sole usage of the Client and other parties designated by SCS. The methodology used during the referenced assessments by SCS was in general conformance with the requirements of the Client and the specifications and limitations presented in the Agreement between the Client and SCS. This Report contains information from a variety of public and other sources, and SCS makes no representation or warranty about the accuracy, reliability, suitability, or completeness of the information. Any use of this Report, whether by the Client or by a third party, shall be subject to the provisions of the Agreement between the Client and SCS. Any misuse of or reliance upon the Report shall be without risk or liability to SCS.

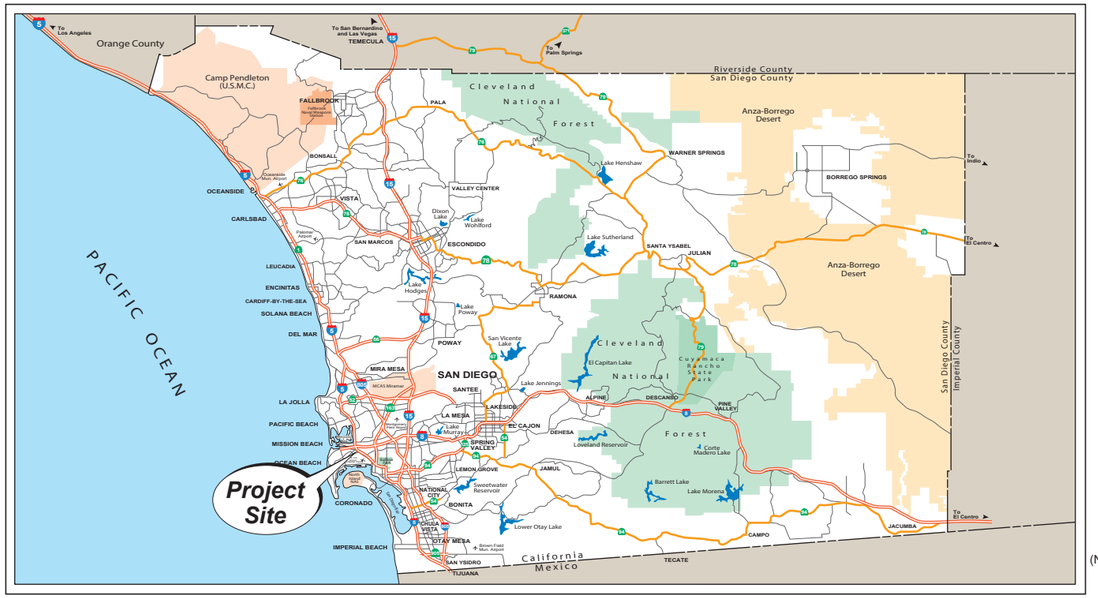
The conclusions of this Report are judged to be relevant at the time the work described in this Report was conducted. Future conditions may differ and this Report should not be relied upon to represent future Site conditions unless a qualified consultant familiar with the practice of Phase II environmental assessments in San Diego County is consulted to assess the necessity of updating this Report.

Although this Assessment has attempted to assess the likelihood that the Site has been impacted by a hazardous material/waste release, potential sources of impact may have escaped detection for reasons which include, but are not limited to: 1) our reliance on inadequate or inaccurate information rightfully provided to SCS by third parties such as public agencies and other outside sources; 2) the limited scope of this Assessment; and 3) the presence of undetected, unknown, or unreported environmental releases.

11 SPECIAL CONTRACTUAL CONDITIONS BETWEEN USER AND ENVIRONMENTAL PROFESSIONAL

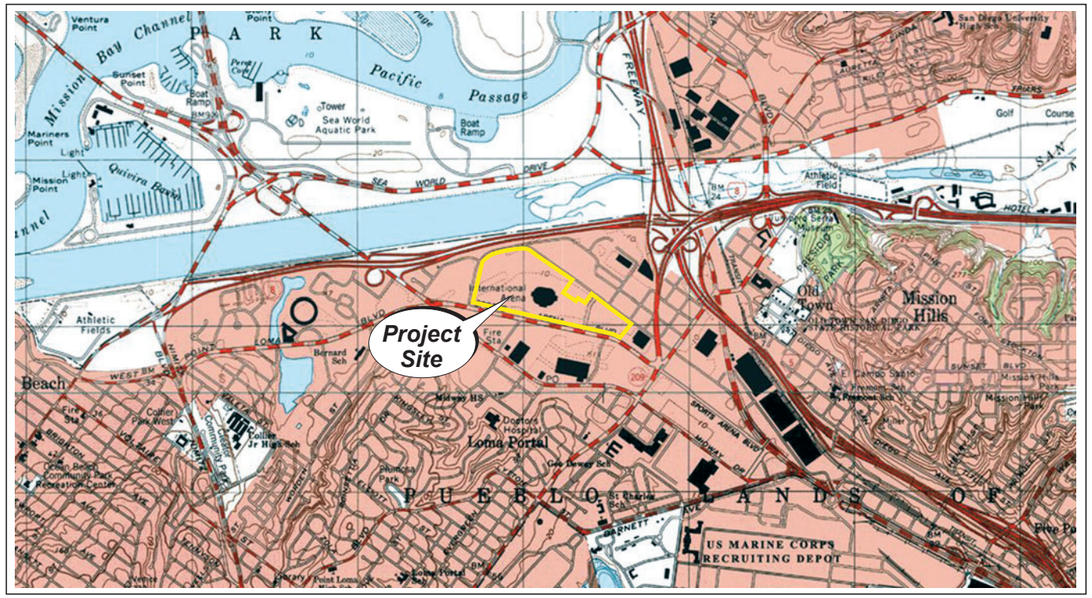
There were no special contractual conditions between the user of this Assessment, the environmental professional, and SCS.

FIGURES



North (Not to scale)

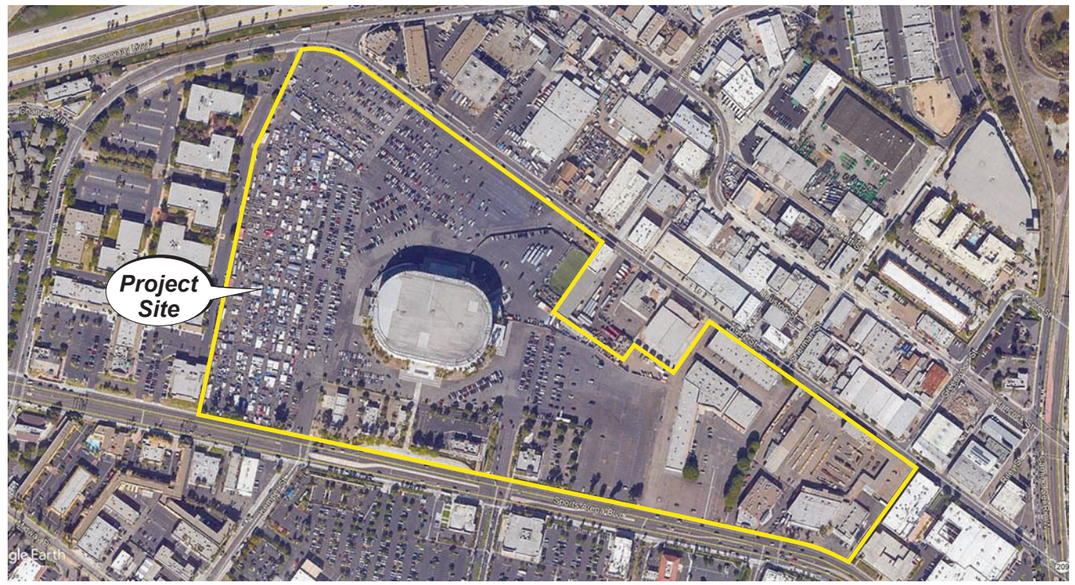
REGIONAL SITE LOCATION



North (Not to scale)

Reference:
U.S.G.S. 7.5 Minute Quadrangle Map
La Jolla, California

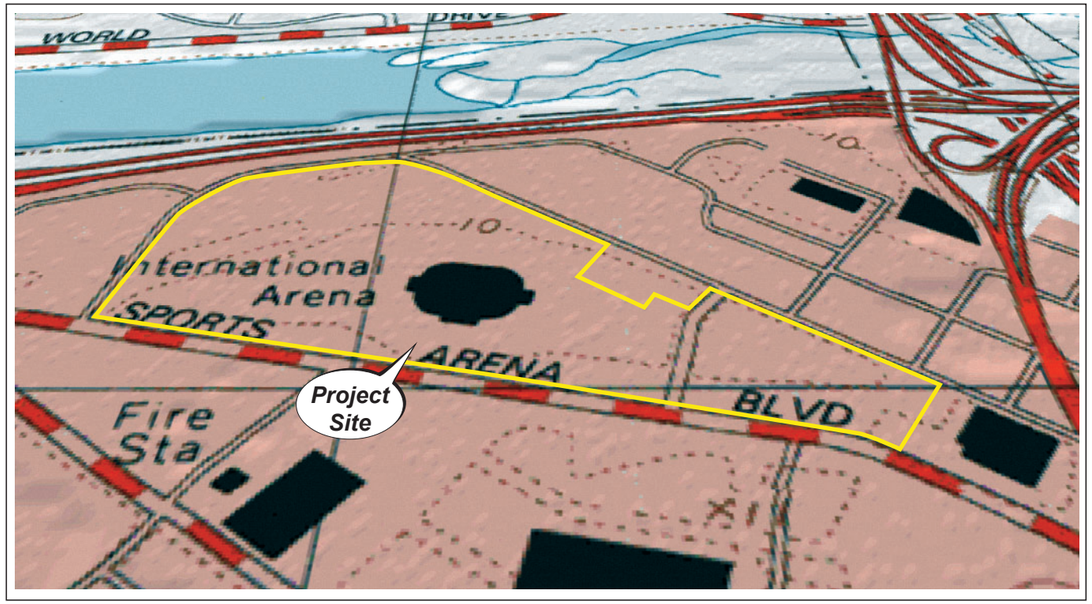
2-DIMENSIONAL SITE LOCATION



North (Not to scale)

Reference:
Google Earth Aerial Photograph
San Diego, California - November 2018

SITE AERIAL PHOTOGRAPH



North (Not to scale)

Reference:
U.S.G.S. 7.5 Minute Quadrangle Map
La Jolla, California

3-DIMENSIONAL SITE LOCATION

Disclaimer: This figure is based on available data. Actual conditions may differ. All locations and dimensions are approximate.

SCS ENGINEERS
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8799 Balboa Avenue, Suite 290
San Diego, California 92123

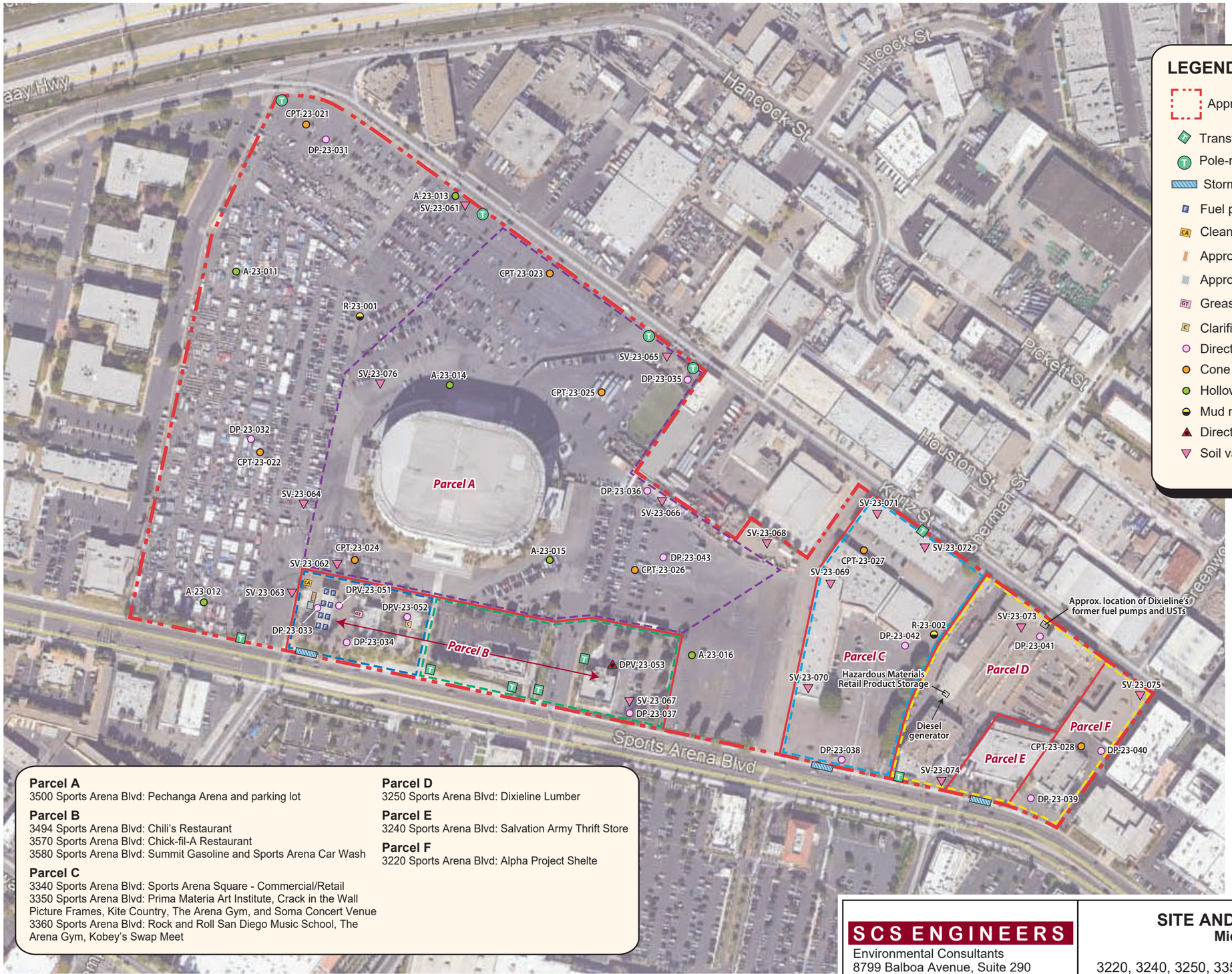
FOUR-WAY SITE LOCATION MAP

Midway Rising, LLC
Midway Rising
3220, 3240, 3250, 3350, and 3500 Sports Arena Boulevard
San Diego, California

Project No.: 01213320.07

Figure 1

Date Drafted: 5/5/23



LEGEND

- Approximate Site boundary
- Transformer
- Pole-mounted transformer
- Storm drain
- Fuel pump island
- Clean air separator
- Approximate area of diesel UST
- Approximate area of gasoline UST
- Grease trap
- Clarifier
- Direct push boring
- Cone penetration test (CPT)
- Hollow stem auger boring
- Mud rotary wash boring
- Direct push boring and soil vapor probe
- Soil vapor probe

Parcel A
3500 Sports Arena Blvd: Pechanga Arena and parking lot

Parcel B
3494 Sports Arena Blvd: Chili's Restaurant
3570 Sports Arena Blvd: Chick-fil-A Restaurant
3580 Sports Arena Blvd: Summit Gasoline and Sports Arena Car Wash

Parcel C
3340 Sports Arena Blvd: Sports Arena Square - Commercial/Retail
3350 Sports Arena Blvd: Prima Materia Art Institute, Crack in the Wall Picture Frames, Kite Country, The Arena Gym, and Soma Concert Venue
3360 Sports Arena Blvd: Rock and Roll San Diego Music School, The Arena Gym, Kobey's Swap Meet

Parcel D
3250 Sports Arena Blvd: Dixieline Lumber

Parcel E
3240 Sports Arena Blvd: Salvation Army Thrift Store

Parcel F
3220 Sports Arena Blvd: Alpha Project Shelte

North
Not to Scale

Reference: Google Earth Aerial Photograph
San Diego, California - November 2018

Disclaimer: This figure is based on available data. Actual conditions may differ. All locations and dimensions are approximate.

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Environmental Consultants
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San Diego, California 92123

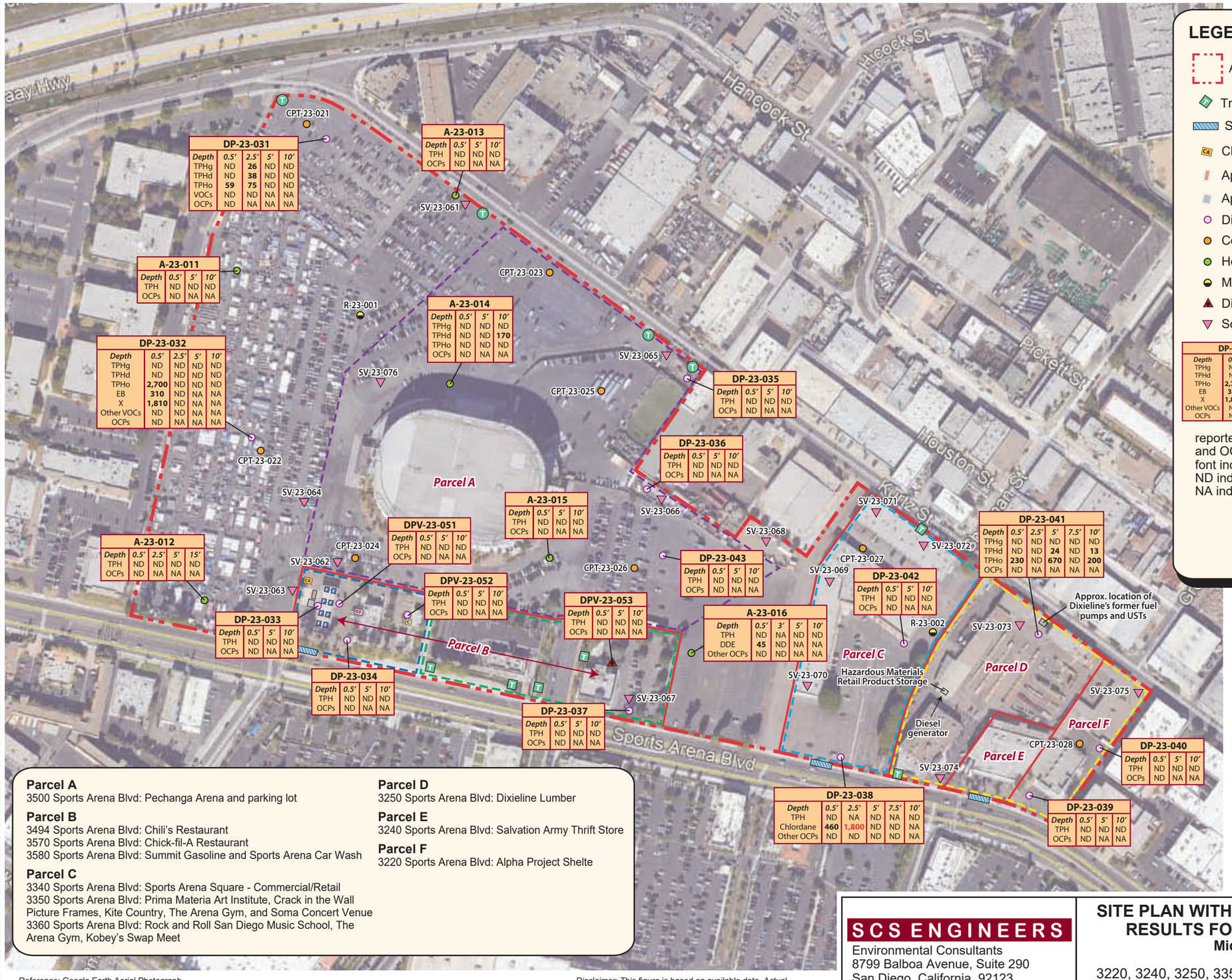
SITE AND SITE VICINITY PLAN

Midway Rising, LLC
Midway Rising
3220, 3240, 3250, 3350, and 3500 Sports Arena Boulevard
San Diego, California

Project No.: 01213320.07

Figure 2

Date Drafted: 5/5/23



LEGEND

- Approximate Site boundary
- Transformer
- Pole-mounted transformer
- Storm drain
- Fuel pump island
- Clarifier
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- Soil vapor probe

DP-23-032

Depth	0.5′	2.5′	5′	10′
TPHg	ND	ND	ND	ND
TPHd	ND	ND	ND	ND
TPHo	2,700	ND	ND	ND
EB	310	ND	NA	NA
X	1,810	ND	NA	NA
Other VOCs	ND	ND	NA	NA
OCPs	ND	NA	NA	NA

Soil samples, with depth in feet below grade, analyzed for total petroleum hydrocarbons as gasoline, diesel, and oil (TPHg, TPHd, TPHo, respectively) by EPA Method 8015B, volatile organic compounds (VOCs) by EPA Method 8260B, and organochlorine pesticides (OCPs) by EPA Method 8081A. Results for TPH reported in milligrams per kilogram (mg/kg). Results for VOCs and OCPs reported in micrograms per kilogram (µg/kg). **Bold** font indicates sample results above the laboratory reporting limit. ND indicates not detected above laboratory reporting limits. NA indicates sample not analyzed.

E = ethylbenzene
X = xylenes
DDE = 4,4-dichlorodiphenyldichloroethylene

Parcel A
3500 Sports Arena Blvd: Pechanga Arena and parking lot

Parcel B
3494 Sports Arena Blvd: Chili's Restaurant
3570 Sports Arena Blvd: Chick-fil-A Restaurant
3580 Sports Arena Blvd: Summit Gasoline and Sports Arena Car Wash

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3360 Sports Arena Blvd: Rock and Roll San Diego Music School, The Arena Gym, Kobey's Swap Meet

Parcel D
3250 Sports Arena Blvd: Dixieline Lumber

Parcel E
3240 Sports Arena Blvd: Salvation Army Thrift Store

Parcel F
3220 Sports Arena Blvd: Alpha Project Shelte

North
Not to Scale

Reference: Google Earth Aerial Photograph
San Diego, California - November 2018

Disclaimer: This figure is based on available data. Actual conditions may differ. All locations and dimensions are approximate.

SCS ENGINEERS
Environmental Consultants
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San Diego, California 92123

SITE PLAN WITH SOIL SAMPLE ANALYTICAL RESULTS FOR TPH, VOCs, AND OCPs

Midway Rising, LLC
Midway Rising
3220, 3240, 3250, 3350, and 3500 Sports Arena Boulevard
San Diego, California

Project No.: 01213320.07

Figure 3

Date Drafted: 5/5/23

Parcel A
3500 Sports Arena Blvd: Pechanga Arena and parking lot

Parcel B
3494 Sports Arena Blvd: Chili's Restaurant
3570 Sports Arena Blvd: Chick-fil-A Restaurant
3580 Sports Arena Blvd: Summit Gasoline and Sports Arena Car Wash

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3250 Sports Arena Blvd: Dixieline Lumber

Parcel E
3240 Sports Arena Blvd: Salvation Army Thrift Store

Parcel F
3220 Sports Arena Blvd: Alpha Project Shelte

LEGEND

- Approximate Site boundary
- Transformer
- Pole-mounted transformer
- Storm drain
- Fuel pump island
- Clarifier
- Clean air separator
- Grease trap
- Approximate area of diesel UST
- Approximate area of gasoline UST
- Direct push boring
- Cone penetration test (CPT)
- Hollow stem auger boring
- Mud rotary wash boring
- Direct push boring and soil vapor probe
- Soil vapor probe

DP-23-035

Depth	0.5′	2.5′	5′	7.5′
As	**5.0**	**2.4**	NA	NA
Ba	**69**	NA	NA	NA
Cr	**7.0**	NA	NA	NA
Co	**3.8**	NA	NA	NA
Cu	**13**	NA	NA	NA
Pb	**16**	**5.4**	**6.4**	**34**
Mo	**1.6**	NA	NA	NA
Ni	**16**	NA	NA	NA
V	**26**	NA	NA	NA
Zn	**96**	NA	NA	NA

Soil samples, with depth in feet below grade, analyzed for Title 22 Metals by EPA Method 6010B. Results reported in milligrams per kilogram (mg/kg). **Bold** font indicates sample results above the laboratory reporting limit. **Red** font indicates results above the Health Risk-Based regulatory screening criteria. **Blue** font indicates results above the Waste-Based regulatory screening criteria. Select soil samples additionally analyzed for soluble lead using Waste Extraction Test (WET) and Toxic Characteristic Leaching Procedure (TCLP) by EPA Method 6010B. Results for WET and TCLP reported in milligrams per liter (mg/L). ND indicates concentration not detected above laboratory reporting limits. NA indicates sample not analyzed.

Sb = Antimony	Pb = Lead
As = Arsenic	Hg = Mercury
Ba = Barium	Mo = Molybdenum
Be = Beryllium	Ni = Nickel
Cd - Cadmium	Ag = Silver
Cr = Chromium	V = Vanadium
Co = Cobalt	Zn = Zinc
Cu = Copper	

A-23-013

Depth	0.5′	2.5′	5′	7.5′
As	ND	NA	NA	NA
Ba	**26**	NA	NA	NA
Cr	**14**	NA	NA	NA
Co	**4.4**	NA	NA	NA
Cu	**11**	NA	NA	NA
Pb	**8.2**	**7.2**	**4.2**	**5.2**
Ni	**5.8**	NA	NA	NA
V	**32**	NA	NA	NA
Zn	**39**	NA	NA	NA

DP-23-031

Depth	0.5′	2.5′	5′	7.5′
As	**7.7**	**8.1**	NA	NA
Ba	**240**	NA	NA	NA
Cr	**14**	NA	NA	NA
Co	**7.2**	NA	NA	NA
Cu	**15**	NA	NA	NA
Pb	**15**	**14**	**6.6**	**3.6**
Ni	**6.7**	NA	NA	NA
V	**41**	NA	NA	NA
Zn	**47**	NA	NA	NA

A-23-011

Depth	0.5′	2.5′	5′	7.5′
As	ND	NA	NA	NA
Ba	**31**	NA	NA	NA
Cd	**0.48**	NA	NA	NA
Cr	**15**	NA	NA	NA
Co	**5.8**	NA	NA	NA
Cu	**7.4**	NA	NA	NA
Pb	**7.7**	**5.0**	**6.6**	**6.3**
Ni	**7.9**	NA	NA	NA
V	**36**	NA	NA	NA
Zn	**44**	NA	NA	NA

A-23-014

Depth	0.5′	3′	5′	7.5′
As	ND	NA	NA	NA
Ba	**130**	NA	NA	NA
Cr	**12**	NA	NA	NA
Co	**5.2**	NA	NA	NA
Cu	**8.6**	NA	NA	NA
Pb	**9.7**	**8.1**	**8.1**	**2.9**
Ni	**5.7**	NA	NA	NA
V	**28**	NA	NA	NA
Zn	**32**	NA	NA	NA

DP-23-032

Depth	0.5′	2.5′	5′	7.5′
As	**5.7**	**7.8**	NA	NA
Ba	**150**	NA	NA	NA
Cr	**5.9**	NA	NA	NA
Co	**3.3**	NA	NA	NA
Cu	**6.0**	NA	NA	NA
Pb	**12**	**14**	**7.5**	**3.5**
Ni	**16**	NA	NA	NA
V	**27**	NA	NA	NA
Zn	**33**	NA	NA	NA

DP-23-036

Depth	0.5′	3′	5′	7.5′
As	**3.8**	NA	NA	NA
Ba	**44**	NA	NA	NA
Cr	**14**	NA	NA	NA
Co	**6.3**	NA	NA	NA
Cu	**7.9**	NA	NA	NA
Pb	**10**	**9.0**	ND	**5.5**
Ni	**7.9**	NA	NA	NA
V	**33**	NA	NA	NA
Zn	**39**	NA	NA	NA

DP-23-042

Depth	0.5′	2.5′	5′	7.5′
As	**4.1**	NA	NA	NA
Ba	**59**	NA	NA	NA
Cr	**18**	NA	NA	NA
Co	**6.0**	NA	NA	NA
Cu	**9.8**	NA	NA	NA
Pb	**4.8**	ND	ND	ND
Ni	**7.6**	NA	NA	NA
V	**43**	NA	NA	NA
Zn	**43**	NA	NA	NA

DP-23-043

Depth	0.5′	4′	5′	7.5′
As	**3.3**	NA	NA	NA
Ba	**60**	NA	NA	NA
Cr	**18**	NA	NA	NA
Co	**5.9**	NA	NA	NA
Cu	**8.4**	NA	NA	NA
Pb	**8.4**	**8.7**	**1.4**	**28**
Ni	**7.3**	NA	NA	NA
V	**42**	NA	NA	NA
Zn	**39**	NA	NA	NA

A-23-015

Depth	0.5′	2.5′	5′	7.5′
As	**6.9**	**10**	NA	NA
Ba	**120**	NA	NA	NA
Cr	**15**	NA	NA	NA
Co	**4.9**	NA	NA	NA
Cu	**6.1**	NA	NA	NA
Pb	**9.6**	**12**	**12**	**9.7**
Ni	**5.3**	NA	NA	NA
V	**26**	NA	NA	NA
Zn	**30**	NA	NA	NA

DP-23-041

Depth	0.5′	2.5′	5′	7.5′
As	**1.9**	NA	NA	NA
Ba	**100**	NA	NA	NA
Cr	**20**	NA	NA	NA
Co	**6.6**	NA	NA	NA
Cu	**13**	NA	NA	NA
Pb	ND	**1.0**	**1.2**	**6.2**
Ni	**6.1**	NA	NA	NA
V	**53**	NA	NA	NA
Zn	**33**	NA	NA	NA

A-23-012

Depth	0.5′	2.5′	5′	7.5′	15′
Sb	NA	**8.8**	NA	NA	NA
As	**6.1**	**6.4**	**3.7**	NA	NA
Ba	**60**	**580**	NA	NA	NA
Cd	ND	**0.88**	NA	NA	NA
Cr	**12**	**28**	NA	NA	NA
Co	**6.2**	**6.8**	NA	NA	NA
Cu	**11**	**130**	NA	NA	NA
Pb	**13**	**3,500**	**1,400**	**12**	**4.4**
STLC	NA	**12**	**28**	NA	NA
Hg	ND	**0.48**	NA	NA	NA
Ni	**7.7**	**13**	NA	NA	NA
Ag	ND	**5.0**	NA	NA	NA
V	**37**	**40**	NA	NA	NA
Zn	**52**	**840**	NA	NA	NA

DPV-23-051

Depth	0.5′	2.5′	5′	7.5′
As	**24**	**3.3**	NA	NA
Ba	**58**	NA	NA	NA
Cr	**7.5**	NA	NA	NA
Co	**3.6**	NA	NA	NA
Cu	**6.2**	NA	NA	NA
Pb	**10**	**7.5**	**13**	**11**
Ni	**3.1**	NA	NA	NA
V	**22**	NA	NA	NA
Zn	**34**	NA	NA	NA

A-23-016

Depth	0.5′	2.5′	5′	7.5′
As	**35**	NA	NA	NA
Ba	**82**	NA	NA	NA
Cr	**20**	NA	NA	NA
Co	**6.7**	NA	NA	NA
Cu	**14**	NA	NA	NA
Pb	**21**	**5.6**	**1.7**	**1.8**
Ni	**8.0**	NA	NA	NA
V	**46**	NA	NA	NA
Zn	**64**	NA	NA	NA

DP-23-033

Depth	0.5′	2.5′	5′	7.5′
As	**4.9**	NA	NA	NA
Ba	**130**	NA	NA	NA
Cr	**15**	NA	NA	NA
Co	**5.1**	NA	NA	NA
Cu	**9.9**	NA	NA	NA
Pb	**8.8**	**13**	**9.8**	**12**
Ni	**5.8**	NA	NA	NA
V	**34**	NA	NA	NA
Zn	**33**	NA	NA	NA

DP-23-034

Depth	0.5′	2.5′	5′	7.5′
As	**4.0**	NA	NA	NA
Ba	**95**	NA	NA	NA
Cr	**15**	NA	NA	NA
Co	**6.0**	NA	NA	NA
Cu	**10**	NA	NA	NA
Pb	**11**	**8.6**	**13**	**6.7**
Ni	**6.2**	NA	NA	NA
V	**41**	NA	NA	NA
Zn	**65**	NA	NA	NA

DPV -23-052

Depth	0.5′	2.5′	5′	7.5′
As	**5.3**	**11**	NA	NA
Ba	**45**	NA	NA	NA
Cr	**13**	NA	NA	NA
Co	**6.2**	NA	NA	NA
Cu	**6.3**	NA	NA	NA
Pb	**7.8**	**6.3**	**5.8**	**5.0**
Ni	**8.2**	NA	NA	NA
V	**36**	NA	NA	NA
Zn	**48**	NA	NA	NA

DP-23-037

Depth	0.5′	2.5′	5′	7.5′
As	ND	NA	NA	NA
Ba	**79**	NA	NA	NA
Cr	**14**	NA	NA	NA
Co	**4.8**	NA	NA	NA
Cu	**7.0**	NA	NA	NA
Pb	**3.4**	**8.4**	**2.3**	**2.7**
Ni	**3.6**	NA	NA	NA
V	**42**	NA	NA	NA
Zn	**26**	NA	NA	NA

DPV-23-053

Depth	0.5′	2.5′	5′	7.5′
As	**1.7**	NA	NA	NA
Ba	**340**	NA	NA	NA
Cr	**14**	NA	NA	NA
Co	**3.9**	NA	NA	NA
Cu	**4.3**	NA	NA	NA
Pb	**6.0**	**9.5**	**9.2**	ND
Ni	**4.0**	NA	NA	NA
V	**43**	NA	NA	NA
Zn	**12**	NA	NA	NA

DP-23-038

Depth	0.5′	2.5′	5′	7.5′
As	**5.9**	**8.2**	NA	NA
Be	**65**	NA	NA	NA
Ba	**0.56**	NA	NA	NA
Cr	**7.1**	NA	NA	NA
Co	**3.6**	NA	NA	NA
Cu	**7.3**	NA	ND	NA
Pb	**6.6**	**13**	ND	ND
Ni	**4.4**	NA	NA	NA
V	**14**	NA	NA	NA
Zn	**28**	NA	NA	NA

DP-23-039

Depth	0.5′	2.5′	5′	7.5′
As	**5.6**	**6.9**	NA	NA
Ba	**31**	NA	NA	NA
Cr	**16**	NA	NA	NA
Co	**5.3**	NA	NA	NA
Cu	**8.5**	NA	NA	NA
Pb	**4.6**	**7.4**	ND	ND
Ni	**6.9**	NA	NA	NA
V	**40**	NA	NA	NA
Zn	**43**	NA	NA	NA

DP-23-040

Depth	0.5′	2.5′	5′	7.5′
As	**1.5**	NA	NA	NA
Ba	**180**	NA	NA	NA
Cr	**31**	NA	NA	NA
Co	**9.6**	NA	NA	NA
Cu	**20**	NA	NA	NA
Pb	**1.3**	**8.6**	ND	ND
Ni	**7.7**	NA	NA	NA
V	**75**	NA	NA	NA
Zn	**49**	NA	NA	NA

Parcel A
Parcel B
Parcel C
Parcel D
Parcel E
Parcel F
Hazardous Materials Retail Product Storage
Diesel generator
Approx. location of Dixieline's former fuel pumps and USTs
Pacific St
Kurtz St
Scott St
Sherman St
Hancock St
Camper St
Way Dr

North
Not to Scale

Reference: Google Earth Aerial Photograph
San Diego, California - November 2018

Disclaimer: This figure is based on available data. Actual conditions may differ. All locations and dimensions are approximate.

SCS ENGINEERS
Environmental Consultants
8799 Balboa Avenue, Suite 290
San Diego, California 92123

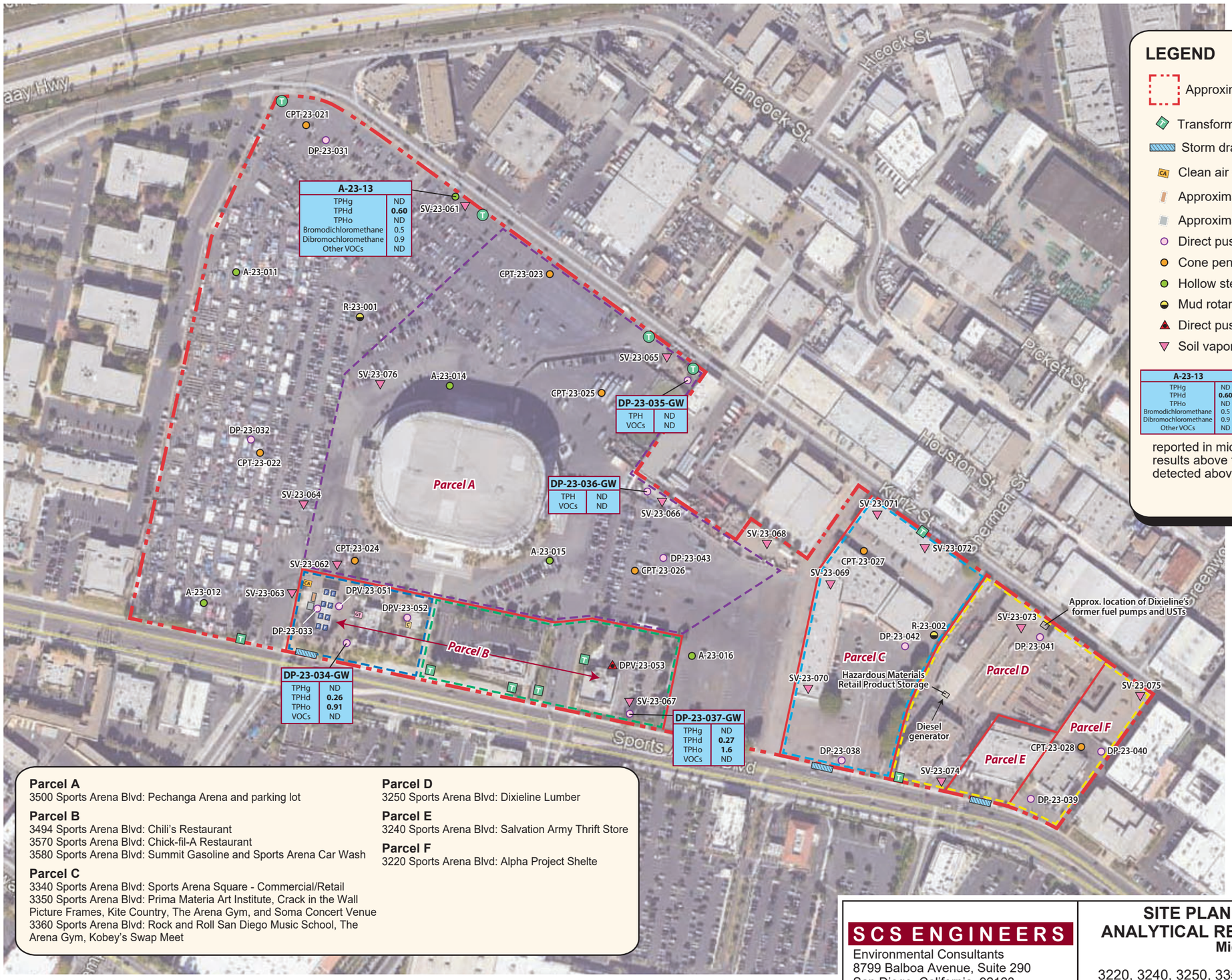
SITE PLAN WITH SOIL SAMPLE ANALYTICAL RESULTS FOR METALS

Midway Rising, LLC
Midway Rising
3220, 3240, 3250, 3350, and 3500 Sports Arena Boulevard
San Diego, California

Project No.: 01213320.07

Figure 4

Date Drafted: 7/5/23



LEGEND

- Approximate Site boundary
- Transformer
- Pole-mounted transformer
- Storm drain
- Fuel pump island
- Clarifier
- Clean air separator
- Grease trap
- Approximate area of diesel UST
- Approximate area of gasoline UST
- Direct push boring
- Cone penetration test (CPT)
- Hollow stem auger boring
- Mud rotary wash boring
- Direct push boring and soil vapor probe
- Soil vapor probe

A-23-13	
TPHg	ND
TPHd	**0.60**
TPHo	ND
Bromodichloromethane	0.5
Dibromochloromethane	0.9
Other VOCs	ND

Soil samples analyzed for total petroleum hydrocarbons as gasoline, diesel, and oil (TPHg, TPHd, TPHo, respectively) by EPA Method 8015B and for volatile organic compounds (VOCs) by EPA Method 8260B. Results for TPH reported in milligrams per liter (mg/L). Results for VOCs reported in micrograms per liter (µg/L). **Bold** font indicates sample results above the laboratory reporting limit. ND indicates not detected above laboratory reporting limits.

Parcel A
3500 Sports Arena Blvd: Pechanga Arena and parking lot

Parcel B
3494 Sports Arena Blvd: Chili's Restaurant
3570 Sports Arena Blvd: Chick-fil-A Restaurant
3580 Sports Arena Blvd: Summit Gasoline and Sports Arena Car Wash

Parcel C
3340 Sports Arena Blvd: Sports Arena Square - Commercial/Retail
3350 Sports Arena Blvd: Prima Materia Art Institute, Crack in the Wall Picture Frames, Kite Country, The Arena Gym, and Soma Concert Venue
3360 Sports Arena Blvd: Rock and Roll San Diego Music School, The Arena Gym, Kobey's Swap Meet

Parcel D
3250 Sports Arena Blvd: Dixieline Lumber

Parcel E
3240 Sports Arena Blvd: Salvation Army Thrift Store

Parcel F
3220 Sports Arena Blvd: Alpha Project Shelte

North
Not to Scale

Reference: Google Earth Aerial Photograph
San Diego, California - November 2018

Disclaimer: This figure is based on available data. Actual conditions may differ. All locations and dimensions are approximate.

SCS ENGINEERS
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San Diego, California 92123

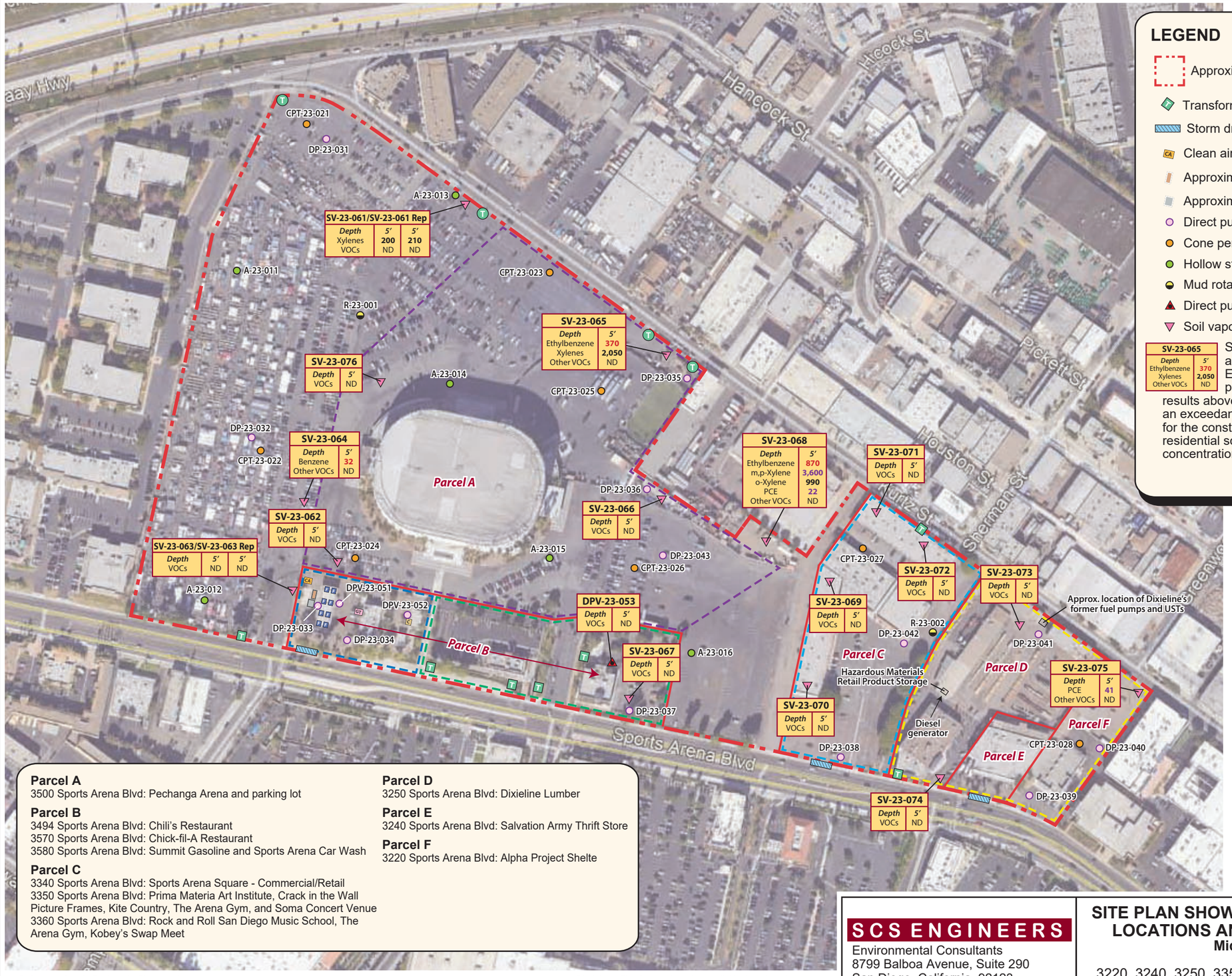
SITE PLAN WITH GROUNDWATER ANALYTICAL RESULTS FOR TPH AND VOCs

Midway Rising, LLC
Midway Rising
3220, 3240, 3250, 3350, and 3500 Sports Arena Boulevard
San Diego, California

Project No.: 01213320.07

Figure 5

Date Drafted: 5/5/23



LEGEND

- Approximate Site boundary
- Transformer
- Pole-mounted transformer
- Storm drain
- Fuel pump island
- Clarifier
- Clean air separator
- Grease trap
- Approximate area of diesel UST
- Approximate area of gasoline UST
- Direct push boring
- Cone penetration test (CPT)
- Hollow stem auger boring
- Mud rotary wash boring
- Direct push boring and soil vapor probe
- Soil vapor probe

SV-23-065	
Depth	5′
Ethylbenzene	370
Xylenes	2,050
Other VOCs	ND

Soil vapor samples, with depth in feet below grade, analyzed for volatile organic compounds (VOCs) by EPA Method 8260SV. Results reported in micrograms per cubic meter (µg/m3). **Bold** font indicates sample results above the laboratory reporting limit. **Red** font indicates an exceedance of commercial and residential screening levels for the constituent. **Purple** font indicates an exceedance of the residential screening level only for the constituent. ND indicates concentration not detected above laboratory reporting limits.

Parcel A
3500 Sports Arena Blvd: Pechanga Arena and parking lot

Parcel B
3494 Sports Arena Blvd: Chili's Restaurant
3570 Sports Arena Blvd: Chick-fil-A Restaurant
3580 Sports Arena Blvd: Summit Gasoline and Sports Arena Car Wash

Parcel C
3340 Sports Arena Blvd: Sports Arena Square - Commercial/Retail
3350 Sports Arena Blvd: Prima Materia Art Institute, Crack in the Wall Picture Frames, Kite Country, The Arena Gym, and Soma Concert Venue
3360 Sports Arena Blvd: Rock and Roll San Diego Music School, The Arena Gym, Kobey's Swap Meet

Parcel D
3250 Sports Arena Blvd: Dixieline Lumber

Parcel E
3240 Sports Arena Blvd: Salvation Army Thrift Store

Parcel F
3220 Sports Arena Blvd: Alpha Project Shelte

North
Not to Scale

Reference: Google Earth Aerial Photograph
San Diego, California - November 2018

Disclaimer: This figure is based on available data. Actual conditions may differ. All locations and dimensions are approximate.

SCS ENGINEERS
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SITE PLAN SHOWING SOIL VAPOR SAMPLING LOCATIONS AND ANALYTICAL RESULTS

Midway Rising, LLC
Midway Rising
3220, 3240, 3250, 3350, and 3500 Sports Arena Boulevard
San Diego, California

Project No.: 01213320.07

Figure 6

Date Drafted: 7/5/23

TABLES

Table 1
Soil Sample Analytical Results for TPH, VOCs, OCPs
Midway Rising - Sports Arena
3220, 3240, 3250, 3350, and 3500 Sports Arena Boulevard
San Diego, California

Sample Identifier	Sample Depth	Sample Date	Sampled by	TPH GROs	TPH DROs	TPH OROs	DDE	DDT	Chlordane	Other OCPs	Ethylbenzene	m,p-Xylenes	o-Xylene	Other VOCs
				mg/kg			µg/kg							
DPV-23-031-0.5	0.5	2/7/2023	SCS Engineers	< 10	< 10	**59**	< 9.8	< 9.8	< 98	ND	< 5.0	< 5.0	< 5.0	ND
DPV-23-031-2.5	2.5	2/7/2023	SCS Engineers	**26**	**38**	**75**	NA	NA	NA	NA	< 5.0	< 5.0	< 5.0	ND
DPV-23-031-5.0	5.0	2/7/2023	SCS Engineers	< 10	< 10	< 50	NA	NA	NA	NA	NA	NA	NA	NA
DPV-23-031-10	10	2/7/2023	SCS Engineers	< 9.9	< 9.9	< 50	NA	NA	NA	NA	NA	NA	NA	NA
DPV-23-032-0.5	0.5	2/7/2023	SCS Engineers	< 500	< 500	**2,700**	< 10	< 10	< 100	ND	**310**	**1,400**	**410**	ND
DPV-23-032-2.5	2.5	2/7/2023	SCS Engineers	< 10	< 10	< 50	NA	NA	NA	NA	< 5.0	< 10	< 5.0	ND
DPV-23-032-5.0	5.0	2/7/2023	SCS Engineers	< 10	< 10	< 50	NA	NA	NA	NA	NA	NA	NA	NA
DPV-23-032-10	10	2/7/2023	SCS Engineers	< 9.9	< 9.9	< 50	NA	NA	NA	NA	NA	NA	NA	NA
DP-23-033-0.5	0.5	2/6/2023	SCS Engineers	< 9.9	< 9.9	< 50	< 5.0	< 5.0	< 50	ND	NA	NA	NA	NA
DP-23-033-5.0	5.0	2/6/2023	SCS Engineers	< 10	< 10	< 50	NA	NA	NA	NA	NA	NA	NA	NA
DP-23-033-10	10	2/6/2023	SCS Engineers	< 9.9	< 9.9	< 50	NA	NA	NA	NA	NA	NA	NA	NA
DP-23-034-0.5	0.5	2/6/2023	SCS Engineers	< 10	< 10	< 50	< 5.0	< 5.0	< 50	ND	NA	NA	NA	NA
DP-23-034-5.0	5.0	2/6/2023	SCS Engineers	< 9.9	< 9.9	< 50	NA	NA	NA	NA	NA	NA	NA	NA
DP-23-034-10	10	2/6/2023	SCS Engineers	< 9.9	< 9.9	< 50	NA	NA	NA	NA	NA	NA	NA	NA
DPV-23-035-0.5	0.5	2/7/2023	SCS Engineers	< 10	< 10	< 50	< 50	< 50	< 500	ND	NA	NA	NA	NA
DPV-23-035-5.0	5.0	2/7/2023	SCS Engineers	< 10	< 10	< 50	NA	NA	NA	NA	NA	NA	NA	NA
DPV-23-035-10	10	2/7/2023	SCS Engineers	< 10	< 10	< 50	NA	NA	NA	NA	NA	NA	NA	NA
DP-23-036-0.5	0.5	2/6/2023	SCS Engineers	< 9.9	< 9.9	< 50	< 5.0	< 5.0	< 50	ND	NA	NA	NA	NA
DP-23-036-5.0	5.0	2/6/2023	SCS Engineers	< 9.9	< 9.9	< 50	NA	NA	NA	NA	NA	NA	NA	NA
DP-23-036-10	10	2/6/2023	SCS Engineers	< 9.9	< 9.9	< 50	NA	NA	NA	NA	NA	NA	NA	NA
DP-23-037-0.5	0.5	2/6/2023	SCS Engineers	< 10	< 10	< 50	< 5.0	< 5.0	< 50	ND	NA	NA	NA	NA
DP-23-037-5.0	5.0	2/6/2023	SCS Engineers	< 9.9	< 9.9	< 50	NA	NA	NA	NA	NA	NA	NA	NA
DP-23-037-10	10	2/6/2023	SCS Engineers	< 10	< 10	< 50	NA	NA	NA	NA	NA	NA	NA	NA
DP-23-038-0.5	0.5	3/23/2023	SCS Engineers	< 9.9	< 9.9	< 50	< 4.9	< 4.9	**460**	ND	NA	NA	NA	NA
DP-23-038-2.5	2.5	3/23/2023	SCS Engineers	NA	NA	NA	< 5.0	< 5.0	**1,800**	ND	NA	NA	NA	NA
DP-23-038-5.0	5.0	3/23/2023	SCS Engineers	< 10	< 10	< 50	< 5.0	< 5.0	< 50	ND	NA	NA	NA	NA
DP-23-038-7.5	7.5	3/23/2023	SCS Engineers	NA	NA	NA	< 5.0	< 5.0	< 50	ND	NA	NA	NA	NA
DP-23-038-10	10	3/23/2023	SCS Engineers	< 10	< 10	< 50	NA	NA	NA	NA	NA	NA	NA	NA
DP-23-039-0.5	0.5	3/23/2023	SCS Engineers	< 9.9	< 9.9	< 50	< 5.0	< 5.0	< 50	ND	NA	NA	NA	NA
DP-23-039-5.0	5.0	3/23/2023	SCS Engineers	< 10	< 10	< 50	NA	NA	NA	NA	NA	NA	NA	NA
DP-23-039-10	10	3/23/2023	SCS Engineers	< 10	< 10	< 50	NA	NA	NA	NA	NA	NA	NA	NA
DP-23-040-0.5	0.5	3/23/2023	SCS Engineers	< 10	< 10	< 50	< 4.9	< 4.9	< 49	ND	NA	NA	NA	NA
DP-23-040-5.0	5.0	3/23/2023	SCS Engineers	< 9.9	< 9.9	< 50	NA	NA	NA	NA	NA	NA	NA	NA
DP-23-040-10	10	3/23/2023	SCS Engineers	< 10	< 10	< 50	NA	NA	NA	NA	NA	NA	NA	NA
DP-23-041-0.5	0.5	3/23/2023	SCS Engineers	< 10	< 10	**230**	< 50	< 50	< 500	ND	NA	NA	NA	NA
DP-23-041-2.5	2.5	3/23/2023	SCS Engineers	< 10	< 10	< 50	NA	NA	NA	NA	NA	NA	NA	NA
DP-23-041-5.0	5.0	3/23/2023	SCS Engineers	< 10	**24**	**670**	NA	NA	NA	NA	NA	NA	NA	NA
DP-23-041-7.5	7.5	3/23/2023	SCS Engineers	< 10	< 10	< 50	NA	NA	NA	NA	NA	NA	NA	NA
DP-23-041-10	10	3/23/2023	SCS Engineers	< 9.9	**13**	**200**	NA	NA	NA	NA	NA	NA	NA	NA
DP-23-042-0.5	0.5	3/23/2023	SCS Engineers	< 9.9	< 9.9	< 50	< 4.9	< 4.9	< 49	ND	NA	NA	NA	NA
DP-23-042-5.0	5.0	3/23/2023	SCS Engineers	< 9.9	< 9.9	< 50	NA	NA	NA	NA	NA	NA	NA	NA
DP-23-042-10	10	3/23/2023	SCS Engineers	< 10	< 10	< 50	NA	NA	NA	NA	NA	NA	NA	NA
DP-23-043-0.5	0.5	2/6/2023	SCS Engineers	< 10	< 10	< 50	< 5.0	< 5.0	< 50	ND	NA	NA	NA	NA
DP-23-043-5.0	5.0	2/6/2023	SCS Engineers	< 10	< 10	< 50	NA	NA	NA	NA	NA	NA	NA	NA
DP-23-043-10	10	2/6/2023	SCS Engineers	< 10	< 10	< 50	NA	NA	NA	NA	NA	NA	NA	NA
DPV-23-051-0.5	0.5	2/6/2023	SCS Engineers	< 10	< 10	< 50	< 5.0	< 5.0	< 50	ND	NA	NA	NA	NA
DPV-23-051-5.0	5.0	2/6/2023	SCS Engineers	< 9.9	< 9.9	< 50	NA	NA	NA	NA	NA	NA	NA	NA
DPV-23-051-10	10	2/6/2023	SCS Engineers	< 9.9	< 9.9	< 50	NA	NA	NA	NA	NA	NA	NA	NA
DPV-23-052-0.5	0.5	2/6/2023	SCS Engineers	< 10	< 10	< 50	< 4.9	< 4.9	< 49	ND	NA	NA	NA	NA
DPV-23-052-5.0	5.0	2/6/2023	SCS Engineers	< 10	< 10	< 50	NA	NA	NA	NA	NA	NA	NA	NA

Table 1
Soil Sample Analytical Results for TPH, VOCs, OCPs
Midway Rising - Sports Arena
3220, 3240, 3250, 3350, and 3500 Sports Arena Boulevard
San Diego, California

Sample Identifier	Sample Depth	Sample Date	Sampled by	TPH GROs	TPH DROs	TPH OROs	DDE	DDT	Chlordane	Other OCPs	Ethylbenzene	m,p-Xylenes	o-Xylene	Other VOCs
				mg/kg			µg/kg							
DPV-23-052-10	10	2/6/2023	SCS Engineers	< 10	< 10	< 50	NA	NA	NA	NA	NA	NA	NA	NA
DPV-23-053-0.5	0.5	2/6/2023	SCS Engineers	< 9.9	< 9.9	< 50	< 5.0	< 5.0	< 50	ND	NA	NA	NA	NA
DPV-23-053-5.0	5.0	2/6/2023	SCS Engineers	< 9.9	< 9.9	< 50	NA	NA	NA	NA	NA	NA	NA	NA
DPV-23-053-10	10	2/6/2023	SCS Engineers	< 10	< 10	< 50	NA	NA	NA	NA	NA	NA	NA	NA
A-23-11-0.5'	0.5	2/6/2023	SCS Engineers	< 10	< 10	< 50	< 25	< 25	< 250	ND	NA	NA	NA	NA
A-23-11-5'	5	2/6/2023	SCS Engineers	< 10	< 10	< 50	NA	NA	NA	NA	NA	NA	NA	NA
A-23-11-10'	10	2/6/2023	SCS Engineers	< 10	< 10	< 50	NA	NA	NA	NA	NA	NA	NA	NA
A-23-012-0.5	0.5	2/7/2023	SCS Engineers	< 9.9	< 9.9	< 50	< 25	< 25	< 250	ND	NA	NA	NA	NA
A-23-012-2.5	2.5	2/7/2023	SCS Engineers	< 9.9	< 9.9	< 50	NA	NA	NA	NA	NA	NA	NA	NA
A-23-012-5	5	2/7/2023	SCS Engineers	< 10	< 10	< 50	NA	NA	NA	NA	NA	NA	NA	NA
A-23-012-15	15	2/7/2023	SCS Engineers	< 9.9	< 9.9	< 50	NA	NA	NA	NA	NA	NA	NA	NA
A-23-13-0.5'	0.5	2/6/2023	SCS Engineers	< 10	< 10	< 50	< 5.0	< 5.0	< 50	ND	NA	NA	NA	NA
A-23-13-5'	5	2/6/2023	SCS Engineers	< 10	< 10	< 50	NA	NA	NA	NA	NA	NA	NA	NA
A-23-13-10'	10	2/6/2023	SCS Engineers	< 9.9	< 9.9	< 50	NA	NA	NA	NA	NA	NA	NA	NA
A-23-14-0.5'	0.5	2/6/2023	SCS Engineers	< 9.9	< 9.9	< 50	< 9.9	< 9.9	< 99	ND	NA	NA	NA	NA
A-23-14-5'	5	2/6/2023	SCS Engineers	< 10	< 10	< 50	NA	NA	NA	NA	NA	NA	NA	NA
A-23-14-10'	10	2/6/2023	SCS Engineers	< 9.9	**170**	< 50	NA	NA	NA	NA	NA	NA	NA	NA
A-23-015-0.5	0.5	2/7/2023	SCS Engineers	< 50	< 50	< 250	< 25	< 25	< 250	ND	NA	NA	NA	NA
A-23-015-5	5	2/7/2023	SCS Engineers	< 9.9	< 9.9	< 50	NA	NA	NA	NA	NA	NA	NA	NA
A-23-015-10	10	2/7/2023	SCS Engineers	< 9.9	< 9.9	< 50	NA	NA	NA	NA	NA	NA	NA	NA
A-23-016-0.5	0.5	2/7/2023	SCS Engineers	< 10	< 10	< 50	**45**	< 25	< 250	ND	NA	NA	NA	NA
A-23-016-2.5	3	2/7/2023	SCS Engineers	NA	NA	NA	< 5.0	< 5.0	< 50	ND	NA	NA	NA	NA
A-23-016-5	5	2/7/2023	SCS Engineers	< 9.9	< 9.9	< 50	NA	NA	NA	NA	NA	NA	NA	NA
A-23-016-10	10	2/7/2023	SCS Engineers	< 9.9	< 9.9	< 50	NA	NA	NA	NA	NA	NA	NA	NA
Health Risk-Based Mitigation Criteria (Residential)[1]				430	260	12,000	1,800	1,900	480	NA	5,800^	550,000^	640,000^	NA
Health Risk-Based Mitigation Criteria (Commercial)[1]				2,000	1,200	180,000	8,300	8,500	2,200	NA	25,000^	2,400,000^	2,800,000^	NA
Waste-Based Mitigation Criteria[2]				Any detectable concentration above laboratory reporting limits										

NOTES:
Soil samples collected by SCS Engineers on 2/6-7/2023 and 3/23/2023.
Samples analyzed for total petroleum hydrcarbons (TPH) in general accordance with U.S. Environmental Protection Agency (EPA) Method 8015B, volatile organic compounds (VOCs) in general accordance with EPA Method 8260B, and/or organochlorine pesticides (OCPs) with EPA Method 8081A.
TPH: total petroleum hydrocarbons, GROs: gasoline-range organics; DROs: diesel-range organics OROs: oil-range organics.
Results for TPH reported in milligrams per kilogram (mg/kg); results for VOCs and OCPs reported in micrograms per kilogram (µg/kg).
Bold values indicate a specific analyte was reported above its respective laboratory reporting limit.
< indicates specific analyte was reported below its respective laboratory reporting limit; ND indicates group of analytes was reported below their respective laboratory reporting limits.
NA: Not applicable/not analyzed.
1: Health Risk-Based Criteria - For TPH and OCPs: the San Francisco Bay Regional Water Quality Control Board (SFBRWQCB) Environmental Screening Levels (ESLs) for commercial/ industrial users, dated 2019 (revised).
For VOCs: the Human Health Risk Assessment Note 3 - DTSC-Modified Screening Levels (DTSC-SLs), Table 3 - Screening Levels for Soil Analytes. Residential. June 2020 Update, Revised May 2022.
^ A DTSC-SL has not been established for this constituent. The EPA Regional Screening Level (RSL) dated May 2023 was used for this constituent.
2: Waste-Based Criteria - for chemical constituents such as organochlorine pesticides, detectable concentrations would be considered a regulated waste if exported from the Site, per the Regional Water Quality Control Board (RWQCB) Tier 1 Soil Screening Levels (SSLs) for waste, May 2019.
Red font : Constituent result above the Health Risk-Based regulatory screening criteria.

Table 2
Soil Sample Analytical Results for Title 22 Metals
Midway Rising - Sports Arena
3220, 3240, 3250, 3350, and 3500 Sports Arena Boulevard
San Diego, California

Sample Identifier	Depth	Date	Sampled by	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Total Lead	WET	TCLP	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
				mg/kg									mg/L	mg/L	mg/kg							
DPV-23-031-0.5	0.5	2/7/2023	SCS Engineers	< 2.9	7.7	240	< 0.49	< 0.49	14	7.2	15	15	NA	NA	< 0.16	< 0.98	6.7	< 2.9	< 0.49	< 2.9	41	47
DPV-23-031-2.5	2.5	2/7/2023	SCS Engineers	NA	8.1	NA	NA	NA	NA	NA	NA	14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DPV-23-031-5.0	5.0	2/7/2023	SCS Engineers	NA	NA	NA	NA	NA	NA	NA	NA	6.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DPV-23-031-7.5	7.5	2/7/2023	SCS Engineers	NA	NA	NA	NA	NA	NA	NA	NA	3.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DPV-23-032-0.5	0.5	2/7/2023	SCS Engineers	< 2.9	5.7	150	< 0.49	< 0.49	5.9	3.3	6.0	12	NA	NA	< 0.16	< 0.98	16	< 2.9	< 0.49	< 2.9	27	33
DPV-23-032-2.5	2.5	2/7/2023	SCS Engineers	NA	7.8	NA	NA	NA	NA	NA	NA	14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DPV-23-032-5.0	5.0	2/7/2023	SCS Engineers	NA	NA	NA	NA	NA	NA	NA	NA	7.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DPV-23-032-7.5	7.5	2/7/2023	SCS Engineers	NA	NA	NA	NA	NA	NA	NA	NA	3.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DP-23-033-0.5	0.5	2/6/2023	SCS Engineers	< 2.9	4.9	130	< 0.49	< 0.49	15	5.1	9.9	8.8	NA	NA	< 0.15	< 0.98	5.8	< 2.9	< 0.49	< 2.9	34	33
DP-23-033-2.5	2.5	2/6/2023	SCS Engineers	NA	NA	NA	NA	NA	NA	NA	NA	13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DP-23-033-5.0	5.0	2/6/2023	SCS Engineers	NA	NA	NA	NA	NA	NA	NA	NA	9.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DP-23-033-7.5	7.5	2/6/2023	SCS Engineers	NA	NA	NA	NA	NA	NA	NA	NA	12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DP-23-034-0.5	0.5	2/6/2023	SCS Engineers	< 2.9	4.0	95	< 0.49	< 0.49	15	6.0	10	11	NA	NA	< 0.14	< 0.98	6.2	< 2.9	< 0.49	< 2.9	41	65
DP-23-034-2.5	2.5	2/6/2023	SCS Engineers	NA	NA	NA	NA	NA	NA	NA	NA	8.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DP-23-034-5.0	5.0	2/6/2023	SCS Engineers	NA	NA	NA	NA	NA	NA	NA	NA	13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DP-23-034-7.5	7.5	2/6/2023	SCS Engineers	NA	NA	NA	NA	NA	NA	NA	NA	6.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DPV-23-035-0.5	0.5	2/7/2023	SCS Engineers	< 3.0	5.0	69	< 0.50	< 0.50	7.0	3.8	13	16	NA	NA	< 0.15	1.6	16	< 3.0	< 0.50	< 3.0	26	96
DPV-23-035-2.5	2.5	2/7/2023	SCS Engineers	NA	2.4	NA	NA	NA	NA	NA	NA	5.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DPV-23-035-5.0	5.0	2/7/2023	SCS Engineers	NA	NA	NA	NA	NA	NA	NA	NA	6.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DPV-23-035-7.5	7.5	2/7/2023	SCS Engineers	NA	NA	NA	NA	NA	NA	NA	NA	34	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DP-23-036-0.5	0.5	2/6/2023	SCS Engineers	< 2.9	3.8	44	< 0.49	< 0.49	14	6.3	7.9	10	NA	NA	< 0.16	< 0.97	7.9	< 2.9	< 0.49	< 2.9	33	39
DP-23-036-3.0	3.0	2/6/2023	SCS Engineers	NA	NA	NA	NA	NA	NA	NA	NA	9.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DP-23-036-5.0	5.0	2/6/2023	SCS Engineers	NA	NA	NA	NA	NA	NA	NA	NA	< 0.96	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DP-23-036-7.5	7.5	2/6/2023	SCS Engineers	NA	NA	NA	NA	NA	NA	NA	NA	5.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DP-23-037-0.5	0.5	2/6/2023	SCS Engineers	< 2.9	< 0.97	79	< 0.49	< 0.49	14	4.8	7.0	3.4	NA	NA	< 0.16	< 0.97	3.6	< 2.9	< 0.49	< 2.9	42	26
DP-23-037-2.5	2.5	2/6/2023	SCS Engineers	NA	NA	NA	NA	NA	NA	NA	NA	8.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DP-23-037-5.0	5.0	2/6/2023	SCS Engineers	NA	NA	NA	NA	NA	NA	NA	NA	2.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DP-23-037-7.5	7.5	2/6/2023	SCS Engineers	NA	NA	NA	NA	NA	NA	NA	NA	2.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DP-23-038-0.5	0.5	3/23/2023	SCS Engineers	< 2.9	5.9	65	0.56	< 0.48	7.1	3.6	7.3	6.6	NA	NA	< 0.15	< 0.95	4.4	< 2.9	< 0.48	< 2.9	14	28
DP-23-038-2.5	2.5	3/23/2023	SCS Engineers	NA	8.2	NA	NA	NA	NA	NA	NA	13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DP-23-038-5.0	5.0	3/23/2023	SCS Engineers	NA	NA	NA	NA	NA	NA	NA	NA	< 0.98	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DP-23-038-7.5	7.5	3/23/2023	SCS Engineers	NA	NA	NA	NA	NA	NA	NA	NA	< 0.98	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DP-23-039-0.5	0.5	3/23/2023	SCS Engineers	< 2.9	5.6	31	< 0.49	< 0.49	16	5.3	8.5	4.6	NA	NA	< 0.17	< 0.97	6.9	< 2.9	< 0.49	< 2.9	40	43
DP-23-039-2.5	2.5	3/23/2023	SCS Engineers	NA	6.9	NA	NA	NA	NA	NA	NA	7.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DP-23-039-5.0	5.0	3/23/2023	SCS Engineers	NA	NA	NA	NA	NA	NA	NA	NA	< 0.97	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DP-23-039-7.5	7.5	3/23/2023	SCS Engineers	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DP-23-040-0.5	0.5	3/23/2023	SCS Engineers	< 2.9	1.5	180	< 0.49	< 0.49	31	9.6	20	1.3	NA	NA	< 0.15	< 0.97	7.7	< 2.9	< 0.49	< 2.9	75	49
DP-23-040-2.5	2.5	3/23/2023	SCS Engineers	NA	NA	NA	NA	NA	NA	NA	NA	8.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DP-23-040-5.0	5.0	3/23/2023	SCS Engineers	NA	NA	NA	NA	NA	NA	NA	NA	< 0.97	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DP-23-040-7.5	7.5	3/23/2023	SCS Engineers	NA	NA	NA	NA	NA	NA	NA	NA	< 0.97	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DP-23-041-0.5	0.5	3/23/2023	SCS Engineers	< 2.9	1.9	100	< 0.49	< 0.49	20	6.6	13	< 0.97	NA	NA	< 0.14	< 0.97	6.1	< 2.9	< 0.49	< 2.9	53	33
DP-23-041-2.5	2.5	3/23/2023	SCS Engineers	NA	NA	NA	NA	NA	NA	NA	NA	1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DP-23-041-5.0	5.0	3/23/2023	SCS Engineers	NA	NA	NA	NA	NA	NA	NA	NA	1.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DP-23-041-7.5	7.5	3/23/2023	SCS Engineers	NA	NA	NA	NA	NA	NA	NA	NA	6.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DP-23-042-0.5	0.5	3/23/2023	SCS Engineers	< 3.0	4.1	59	< 0.50	< 0.50	18	6.0	9.8	4.8	NA	NA	< 0.14	< 0.99	7.6	< 3.0	< 0.50	< 3.0	43	43
DP-23-042-2.5	2.5	3/23/2023	SCS Engineers	NA	NA	NA	NA	NA	NA	NA	NA	< 0.96	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DP-23-042-5.0	5.0	3/23/2023	SCS Engineers	NA	NA	NA	NA	NA	NA	NA	NA	< 0.98	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DP-23-042-7.5	7.5	3/23/2023	SCS Engineers	NA	NA	NA	NA	NA	NA	NA	NA	< 0.98	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DP-23-043-0.5	0.5	2/6/2023	SCS Engineers	< 2.9	3.3	60	< 0.48	< 0.48	18	5.9	8.4	8.4	NA	NA	< 0.14	< 0.96	7.3	< 2.9	< 0.48	< 2.9	42	39
DP-23-043-4.0	4.0	2/6/2023	SCS Engineers	NA	NA	NA	NA	NA	NA	NA	NA	8.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DP-23-043-5.0	5.0	2/6/2023	SCS Engineers	NA	NA	NA	NA	NA	NA	NA	NA	1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DP-23-043-7.5	7.5	2/6/2023	SCS Engineers	NA	NA	NA	NA	NA	NA	NA	NA	28	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DPV-23-051-0.5	0.5	2/6/2023	SCS Engineers	< 3.0	24	58	< 0.50	< 0.50	7.5	3.6	6.2	10	NA	NA	< 0.17	< 0.99	3.9	< 3.0	< 0.50	< 3.0	22	34
DPV-23-051-2.5	2.5	2/6/2023	SCS Engineers	NA	3.3	NA	NA	NA	NA	NA	NA	7.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DPV-23-051-5.0	5.0	2/6/2023	SCS Engineers	NA	NA	NA	NA	NA	NA	NA	NA	13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DPV-23-051-7.5	7.5	2/6/2023	SCS Engineers	NA	NA	NA	NA	NA	NA	NA	NA	11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DPV-23-052-0.5	0.5	2/6/2023	SCS Engineers	< 2.9	5.3	45	< 0.49	< 0.49	13	6.2	6.3	7.8	NA	NA	< 0.15	< 0.98	8.2	< 2.9	< 0.49	< 2.9	36	48
DPV-23-052-2.5	2.5	2/6/2023	SCS Engineers	NA	11	NA	NA	NA	NA	NA	NA	6.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 2
Soil Sample Analytical Results for Title 22 Metals
Midway Rising - Sports Arena
3220, 3240, 3250, 3350, and 3500 Sports Arena Boulevard
San Diego, California

Sample Identifier	Depth	Date	Sampled by	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Total Lead	WET	TCLP	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
DPV-23-052-5.0	5.0	2/6/2023	SCS Engineers	NA	NA	NA	NA	NA	NA	NA	NA	**5.8**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DPV-23-052-7.5	7.5	2/6/2023	SCS Engineers	NA	NA	NA	NA	NA	NA	NA	NA	**5.0**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DPV-23-053-0.5	0.5	2/6/2023	SCS Engineers	< 2.9	**1.7**	**340**	< 0.48	< 0.48	**14**	**3.9**	**4.3**	**6.0**	NA	NA	< 0.15	< 0.95	**4.0**	< 2.9	< 0.48	< 2.9	**43**	**12**
DPV-23-053-2.5	2.5	2/6/2023	SCS Engineers	NA	NA	NA	NA	NA	NA	NA	NA	**9.5**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DPV-23-053-5.0	5.0	2/6/2023	SCS Engineers	NA	NA	NA	NA	NA	NA	NA	NA	**9.2**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DPV-23-053-7.5	7.5	2/6/2023	SCS Engineers	NA	NA	NA	NA	NA	NA	NA	NA	< 0.97	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
A-23-11-0.5'	0.5	2/6/2023	SCS Engineers	< 2.9	< 9.5	**31**	< 0.48	**0.48**	**15**	**5.8**	**7.4**	**7.7**	NA	NA	< 0.16	< 0.95	**7.9**	< 2.9	< 0.48	< 2.9	**36**	**44**
A-23-11-2.5'	2.5	2/6/2023	SCS Engineers	NA	NA	NA	NA	NA	NA	NA	NA	**5.0**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
A-23-11-5.0'	5.0	2/6/2023	SCS Engineers	NA	NA	NA	NA	NA	NA	NA	NA	**6.6**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
A-23-11-7.5'	7.5	2/6/2023	SCS Engineers	NA	NA	NA	NA	NA	NA	NA	NA	**6.3**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
A-23-012-0.5	0.5	2/7/2023	SCS Engineers	< 2.9	6.1	**60**	< 0.48	< 0.48	**12**	**6.2**	**11**	**13**	NA	NA	< 0.15	< 0.95	**7.7**	< 2.9	< 0.48	< 2.9	**37**	**52**
A-23-012-2.5	2.5	2/7/2023	SCS Engineers	8.8	6.4	580	< 0.50	**0.88**	**28**	**6.8**	130	3,500	12	**0.65**	0.48	< 0.99	**13**	< 3.0	**5.0**	< 3.0	**40**	840
A-23-012-5.0	5.0	2/7/2023	SCS Engineers	NA	3.7	NA	NA	NA	NA	NA	NA	1,400	28	NA	NA	NA	NA	NA	NA	NA	NA	NA
A-23-012-7.5	7.5	2/7/2023	SCS Engineers	NA	NA	NA	NA	NA	NA	NA	NA	**12**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
A-23-012-15	15	2/7/2023	SCS Engineers	NA	NA	NA	NA	NA	NA	NA	NA	**4.4**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
A-23-13-0.5'	0.5	2/6/2023	SCS Engineers	< 2.9	< 9.6	**26**	< 0.48	< 0.48	**14**	**4.4**	**11**	**8.2**	NA	NA	< 0.15	< 0.96	**5.8**	< 2.9	< 0.48	< 2.9	**32**	**39**
A-23-13-2.5'	2.5	2/6/2023	SCS Engineers	NA	NA	NA	NA	NA	NA	NA	NA	**7.2**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
A-23-13-5'	5.0	2/6/2023	SCS Engineers	NA	NA	NA	NA	NA	NA	NA	NA	**4.2**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
A-23-13-7.5'	7.5	2/6/2023	SCS Engineers	NA	NA	NA	NA	NA	NA	NA	NA	**5.2**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
A-23-14-0.5'	0.5	2/6/2023	SCS Engineers	< 2.9	< 9.6	**130**	< 0.48	< 0.48	**12**	**5.2**	**8.6**	**9.7**	NA	NA	< 0.16	< 0.96	**5.7**	< 2.9	< 0.48	< 2.9	**28**	**32**
A-23-14-2.5'	2.5	2/6/2023	SCS Engineers	NA	NA	NA	NA	NA	NA	NA	NA	**8.1**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
A-23-14-5'	5.0	2/6/2023	SCS Engineers	NA	NA	NA	NA	NA	NA	NA	NA	**8.1**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
A-23-14-7.5'	7.5	2/6/2023	SCS Engineers	NA	NA	NA	NA	NA	NA	NA	NA	**2.9**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
A-23-015-0.5	0.5	2/7/2023	SCS Engineers	< 2.9	6.9	**120**	< 0.49	< 0.49	**15**	**4.9**	**6.1**	**9.6**	NA	NA	< 0.15	< 0.98	**5.3**	< 2.9	< 0.49	< 2.9	**26**	**30**
A-23-015-2.5	2.5	2/7/2023	SCS Engineers	NA	10	NA	NA	NA	NA	NA	NA	**12**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
A-23-015-5.0	5.0	2/7/2023	SCS Engineers	NA	NA	NA	NA	NA	NA	NA	NA	**12**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
A-23-015-7.5	7.5	2/7/2023	SCS Engineers	NA	NA	NA	NA	NA	NA	NA	NA	**9.7**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
A-23-016-0.5	0.5	2/7/2023	SCS Engineers	< 2.9	**3.5**	**82**	< 0.48	< 0.48	**20**	**6.7**	**14**	**21**	NA	NA	< 0.16	< 0.96	**8.0**	< 2.9	< 0.48	< 2.9	**46**	**64**
A-23-016-2.5	2.5	2/7/2023	SCS Engineers	NA	NA	NA	NA	NA	NA	NA	NA	**5.6**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
A-23-016-5.0	5.0	2/7/2023	SCS Engineers	NA	NA	NA	NA	NA	NA	NA	NA	**1.7**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
A-23-016-7.5	7.5	2/7/2023	SCS Engineers	NA	NA	NA	NA	NA	NA	NA	NA	**1.8**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Health Risk-Based Criteria[1]				**31**	**12**	**15,000**	**1,600**	**910**	**NE**	**23**	**3,200**	**80**	**NA**	**NA**	**1.0**	**390**	**15,000**	**390**	**390**	**12**	**1,200**	**350,000**
Hazardous Waste Criteria[2]				**500**	**500**	**10,000**	**75**	**100**	**2,500**	**8,000**	**2,500**	**1,000**	**5**	**5**	**20**	**3,500**	**2,000**	**100**	**500**	**700**	**2,400**	**5,000**
Waste-Based Screening Criteria[3]				**5.0**	**3.5**	**509**	**4.0**	**4**	**122**	**20**	**60**	**23.9**	**NA**	**NA**	**0.26**	**2.0**	**57**	**0.21**	**2.0**	**0.78**	**112**	**149**

Soil samples collected by SCS Engineers on 2/6-7/2023 and 3/23/2023.
Soil samples were analyzed for Title 22 metals by Environmental Protection Agency (EPA) Method 6010B, with select samples further analyzed for metals leachability using the Waste Extractin Test (WET) or Toxicity Characteristic Leaching Procedure (TCLP).
1) Health Risk-Based Criteria - For lead, the Department of Toxic Substances Control (DTSC) Human and Ecological Risk Office (HERO) Human Health Risk Assessment (HHRA) Note Number: 3, June 2020, Revised May 2022, using the recommended Screening Levels (SL) for residential soil and cancer endpoint, or, for other metals not listed in HHRA Note 3, the Regional Screening levels for residential soil, provided by the EPA and updated as of May 2022 were used.
For other metals not listed in HHRA Note 3, the Regional Screening levels for residential soil, provided by the EPA and updated as of May 2022 were used.
For arsenic, although the DTSC RSL is 0.36 mg/kg, naturally occuring arsenic typically exceeds human health risk screening criteria. Therefore, the DTSC upper-bound background concentration for arsenic of 12 mg/kg was used.
2) Hazardous Waste Criteria: Values shown from California code of regulations, Title 22 Article 3, July 20, 2005, regarding characteristics of hazardous waste.
Exceedances of the Total Threshold Limit Concentration (TTLC), Solubility Characteristic Leaching Procedure (STLC), or Maximum Concentration of Contaminants for the Toxicity Characteristic (MCCTC) would be considered a California hazardous waste, at a minimum.
3) Waste-Based Screening Criteria: Regional Water Quality Control Board (RWQCB) Soil Screening Levels (SSLs) for waste (i.e., soil export). Tier 1 SSLs are the criteria by which soil is judged to be “inert waste soils that can be reused without restriction” as developed by the RWQCB (Waiver).
mg/L : milligrams per liter.
mg/kg : milligrams per kilogram.
<: indicates the specific analyte was reported below the laboratory reporting limit.
NA : sample not analyzed for specific analyte.
NE : Screening criteria not established.
STLC: Soluble threshold limit concentration.
TCLP: Toxicity characteristic leaching procedure.
Bold font : Constituent result above the laboratory reporting limit.
Red font : Constituent result above the Health Risk-Based regulatory screening criteria.
Blue font : Constituent result above the Waste-Based regulatory screening criteria.

Table 3
Groundwater Sample Analytical Results for TPH and VOCs
Midway Rising - Sports Arena
3220, 3240, 3250, 3350, and 3500 Sports Arena Boulevard
San Diego, California

Sample ID	Date	TPHg	TPHd	TPHo	Bromodichloro-methane	Dibromochloro-methane	PCE	TCE	Other VOCs
		mg/L			µg/L				
DP-23-034-GW	2/6/2023	< 0.094	**0.26**	**0.91**	< 0.5	< 0.5	< 0.5	< 0.5	ND
DP-23-035-GW	2/6/2023	< 0.097	< 0.097	< 0.29	< 0.5	< 0.5	< 0.5	< 0.5	ND
DP-23-036-GW	2/6/2023	< 0.096	< 0.096	< 0.29	< 0.5	< 0.5	< 0.5	< 0.5	ND
DP-23-037-GW	2/6/2023	< 0.19	**0.27**	**1.6**	< 0.5	< 0.5	< 0.5	< 0.5	ND
A-23-13	2/6/2023	< 0.58	**0.60**	< 1.7	**0.5**	**0.9**	< 0.5	< 0.5	ND
Health Risk-Based Criteria [1]		**100**	**100**	**NE**	**0.87**	**46**	**0.64**	**1.20**	**NA**

Notes:

TPH: Total Petroleum Hydrocarbons. Samples from SCS analyzed in general accordance with EPA Method 8015B.

VOCs: Volatile Organic Compounds. Samples from SCS analyzed in general accordance with EPA Method 8260B.

mg/L : milligrams per liter

µg/L : micrograms per liter

< : less than the laboratory reporting limit.

ND: Not detected above the laboratory reporting limit.

TPHo: TPH oil-range organics.

TPHd: TPH diesel-range organics.

TPHg: TPH gasoline-range organics.

PCE: Tetrachloroethene.

TCE: Trichloroethene.

-- : not analyzed.

1) Health Risk-Based Criteria - For TPH and VOCs: The San Francisco Bay Regional Water Quality Control Board (SFBRWQCB) Tier 1 Environmental Screening Levels (ESLs), dated 2019, Revision 2.

Red font : Constituent result above the Health Risk-Based Criteria.

Bold font indicates concentrations above the indicated laboratory reporting limits.

NA: Not applicable.

NE: Not established.

Table 4
Soil Vapor Sample Analytical Results and Vapor Intrusion Risk Screening (VIRS)
Midway Rising - Sports Arena
3220, 3240, 3250, 3350, and 3500 Sports Arena Boulevard
San Diego, California

Sample Identifier	Depth (feet bgs)	Date Collected	Benzene	Ethylbenzene	m,p-Xylene	o-Xylene	Tetrachloroethene (PCE)	Other VOCs
			µg/m³					
DPV-23-053	5	2/7/2023	<20	<100	<100	<100	<20	ND
SV-23-061-5	5	2/7/2023	<20	<100	**200**	<100	<20	ND
SV-23-061-5 REP	5	2/7/2023	<20	<100	**210**	<100	<20	ND
SV-23-062-5	5	3/23/2023	<20	<100	<100	<100	<20	ND
SV-23-063-5	5	3/23/2023	<20	<100	<100	<100	<20	ND
SV-23-063 Rep	5	3/23/2023	<20	<100	<100	<100	<20	ND
SV-23-064-5	5	3/23/2023	**32**	<100	<100	<100	<20	ND
SV-23-065-5	5	2/7/2023	<20	**370**	**1,600**	**450**	<20	ND
SV-23-066-5	5	2/7/2023	<20	<100	<100	<100	<20	ND
SV-23-067-5	5	2/7/2023	<20	<100	<100	<100	<20	ND
SV-23-068-5	5	2/7/2023	<20	**870**	**3,600**	**990**	**22**	ND
SV-23-069-5	5	3/23/2023	<20	<100	<100	<100	<20	ND
SV-23-070-5	5	3/23/2023	<20	<100	<100	<100	<20	ND
SV-23-071-5	5	3/23/2023	<20	<100	<100	<100	<20	ND
SV-23-072-5	5	3/23/2023	<20	<100	<100	<100	<20	ND
SV-23-073-5	5	3/23/2023	<20	<100	<100	<100	<20	ND
SV-23-074-5	5	3/23/2023	<20	<100	<100	<100	<20	ND
SV-23-075-5	5	3/23/2023	<20	<100	<100	<100	**41**	ND
SV-23-076-5	5	3/23/2023	<20	<100	<100	<100	<20	ND
Maximum Site Concentration (µg/m³)			**32**	**870**	**3,600**	**990**	**41**	NA
Predicted Indoor Air Concentration for Existing Commercial Use[1] (µg/m³)			**0.032**	**0.870**	**3.6**	**0.990**	**0.04**	NA
Predicted Indoor Air Concentration for Future Commercial Use[2] (µg/m³)			**0.016**	**0.435**	**1.8**	**0.495**	**0.021**	NA
Predicted Indoor Air Concentration for Future Residential Use[3]			**0.032**	**0.870**	**3.6**	**0.990**	**0.04**	NA
Predicted Indoor Air Concentration using CalEPA 0.03 AF[4]			**0.96**	**26.1**	**108**	**29.7**	**1.2**	NA
Residential DTSC/EPA Screening Level[5] (µg/m³)			0.097	1.1^	100^	100^	0.46	NA
Commercial DTSC/EPA Screening Level[5] (µg/m³)			0.42	4.9^	440^	440^	2	NA

Notes:

Table 4
Soil Vapor Sample Analytical Results and Vapor Intrusion Risk Screening (VIRS)
Midway Rising - Sports Arena
3220, 3240, 3250, 3350, and 3500 Sports Arena Boulevard
San Diego, California

Soil vapor samples collected by SCS Engineers on February 7 and March 23, 2023, and analyzed for volatile organic compounds (VOCs) in general accordance with EPA Method 8260B.

bgs: below ground surface.

Results presented in micrograms per liter (µg/L) and converted to micrograms per cubic meter (µg/m^3) using the following conversion factor: 1,000 µg/L = 1 µg/m^3.

Bold values indicate a specific analyte was reported above its respective laboratory reporting limit.

<: a specific analyte was reported below its respective laboratory reporting limit.

ND: a group of analytes was reported below their respective laboratory reporting limits.

NA: Not applicable.

1: Maximum soil vapor concentration multiplied by the default Department of Substances Control (DTSC) attenuation factor of 0.001 for an existing commercial building, per Table 2 - Attenuation Factors for Preliminary Screening Evaluations of the *Final Guidance for the Evaluation and Mitigation of Subsurface Vapor Intrusion to Indoor Air* (Vapor Intrusion Guidance), prepared by the DTSC and dated October 2011.

2: Maximum soil vapor concentration multiplied by the default DTSC attenuation factor of 0.0005 for a future commercial building, per Table 2 - Attenuation Factors for Preliminary Screening Evaluations of the Vapor Intrusion Guidance.

3: Maximum soil vapor concentration multiplied by the default DTSC attenuation factor of 0.001 for a future residential building, per Table 2 - Attenuation Factors for Preliminary Screening Evaluations of the Vapor Intrusion Guidance.

4: Maximum soil vapor concentration multiplied by the attenuation factor of 0.03 as recommended in the Supplemental Guidance: Screening and Evaluating Vapor Intrusion, Final Draft, California Environmental Protection Agency (CalEPA), February 2023.

5: Human Health Risk Assessment Note 3 - DTSC-Modified Screening Levels (DTSC-SLs), Table 3 - Screening Levels for Ambient Air, June 2020, revised May 2022.

^ A DTSC-Screening Level (SL) has not been established for this constituent. The Environmental Protection Agency (EPA) Regional Screening Level (RSL), dated May 2023, was used for this constituent.

Red font indicates an exceedance of a commercial and residential screening levels for the constituent.

Orange font indicates an exceedance of the residential screening level only for the constituent.

APPENDICES

APPENDIX A

Approved Boring Permit

PERMIT #: LMWP-005770
A.P.N.: 441-590-04-00
EST #: NONE

COUNTY OF SAN DIEGO
DEPARTMENT OF ENVIRONMENTAL HEALTH & QUALITY
LAND AND WATER QUALITY DIVISION
MONITORING WELL PROGRAM

GEOTECHNICAL BORING CONSTRUCTION PERMIT

SITE NAME: SPORTS ARENA

SITE ADDRESS: 3550 SPORTS ARENA BLVD, SAN DIEGO CA, 92110

PERMIT FOR: **CONSTRUCTION OF GEOTECHNICAL BORINGS (20)**

PERMIT APPROVAL DATE: 02/02/2023

PERMIT EXPIRES ON: 06/02/2023

RESPONSIBLE PARTY: MIDWAY RISING LLC (SHELBY JORDAN)

PERMIT TERMS:

1. All borings must be sealed from the bottom of the boring to the ground surface with an approved sealing material as specified in California Well Standards Bulletin 74-90, Part III, Section 19.D. **Drill cuttings are not an acceptable fill material. Bentonite slurries are not an acceptable fill material in the unsaturated zone.**

2. All borings must be properly destroyed within 24 hours of drilling.

3. Placement of any sealing material at a depth greater than 30 feet must be done using the tremie method.

4. This work is not connected to any known unauthorized release of hazardous substances. Any contamination found in the course of drilling and sampling must be reported to the DEHQ. All water and soil resulting from the activities covered by this permit must be managed, stored and disposed of as specified in the SAM Manual in Section 5, II, D-4. (http://www.sdcounty.ca.gov/deh/lwq/sam/manual_guidelines.html). In addition, drill cuttings must be properly handled and disposed in compliance with the Stormwater Best Management Practices of the local jurisdiction.

5. Within 60 days of completing work, submit a well/boring construction report, including all well and/or boring logs and laboratory data to the Well Permit Desk. This report must include all items required by the SAM Manual, Section 5, Pages 6 & 7.

6. **This office must be given 24-hour notice of any drilling activity on this site and advanced notification of drilling cancellation. Please contact the Well Permit Desk at (858) 505-6688.**

APPROVED BY: Sotele Briggs DATE: 02/02/2023
SOTELE BRIGGS

2 Drillers

PERMIT APPLICATION GROUNDWATER AND VADOSE MONITORING WELLS AND EXPLORATORY OR TEST BORINGS

OFFICE USE ONLY
PERMIT LMWP# 005770
SAM CASE Y/N # N/A
DATE RECEIVED: 1/30/2023
FEE PAID: $2,231
CHECK # ONLINE

A. RESPONSIBLE PARTY [1] Midway Rising LLC E-mail sjordan@legends.net

Mailing Address 700 Second St. City Encinitas State CA Zip 92024

Contact Person Shelby Jordan Phone (213) 458-2735 Ext.

INDEMNIFICATION OBLIGATION: To the fullest extent permitted by law, County shall not be liable for, and Responsible Party shall defend, indemnify and hold harmless the County and its Directors, officers, agents, employees and volunteers (collectively "County Parties"), against any and all actions, direct or third-party claims, deductibles, self-insured retentions, demands, liability, judgments, awards, fines, mechanics' liens or other liens, labor disputes, losses, damages, expenses, charges or costs of any kind or character, including attorneys' fees and court costs (hereinafter collectively referred to as "Claims"), which arise out of or are in any way connected to the issuance of this Permit or performance of any work pursuant to the Permit, including without limitation, any action brought to attack, set aside, void or annul the issuance of the Permit under the California Environmental Quality Act, Public Resources Code section 21000, et seq., or any other environmental law, and any action based on or alleging the damage, destruction, loss, or take of private property pursuant to Article I, Section 19, of the California Constitution or the Fifth Amendment to the U.S. Constitution, and further including, without limitation, any Claims caused by the sole passive negligence or the concurrent negligent act, error or omission, whether active or passive, of County Parties. Responsible Party shall have no obligation, however, to defend or indemnify County Parties from a Claim if it is determined by a court of competent jurisdiction that such Claim was caused by the sole active negligence or willful misconduct of County Parties.

RESPONSIBLE PARTY SIGNATURE: _____ DATED: 01/27/23

B. SITE ASSESSMENT PROJECT NUMBER – IF APPLICABLE # N/A

C. CONSULTING FIRM Group Delta Consultants, Inc.

Mailing Address 9245 Activity Road, Suite 103 City San Diego State CA Zip 92126

Registered Professional Christopher K. Vonk Phone (858)536-1000 Registration #3216(GE)

E-mail chrisv@groupdelta.com

Contact Person Christopher K. Vonk Phone (619)490-0040 Ext. N/A Email chrisv@groupdelta.com

D1. DRILLING COMPANY Kehoe Testing & Engineering C57#786163

Contact Name Steve Kehoe E-mail kte3@kehoetesting.com

Mailing Address 5415 Industrial Drive City Huntington Beach State CA Zip 92110

Phone (714)901-7270 Ext. N/A

D2. DRILLING COMPANY Pacific Drilling C57# 681380

Contact Name Tod Clark E-mail tod@pacdrill.com

Mailing Address 5220 Anna Avenue City San Diego State CA Zip 92110

Phone (619)294-3682 Ext. N/A

1 Per San Diego County Code Section 67.402, the Responsible Party is any person who has, or who has contracted or otherwise caused to have, a monitoring well constructed, repaired, re-constructed or destroyed. Per this definition, the consultant and driller are not the Responsible Party. They are contracted by the Responsible Party.

E. CONSTRUCTION INFORMATION

TYPE OF WELLS/ BORINGS TO BE CONSTRUCTED

	#
☐ Groundwater	___
☐ Vadose	___
☒ Boring	8
☐ Soil Vapor	___
☒ Other	12

NUMBER OF WELLS TO BE DESTROYED

☐ Destruction n/a

MATERIALS TO BE USED

CASING

Not Applicable X
Type ____
Gauge____
Diameter ____
Screen Size ____
Filter Pack ____

SEAL/BORING BACKFILL

☒ Neat Cement
☒ Cement & Bentonite
☐ Sand-Cement
☒ Bentonite
☐ Other
Borehole diameter 2 to 8"

Drilling Method

☒ Auger
☒ Direct Push
☒ Other Mud Rotary
☐ Air Rotary
☐ Sonic
☐ Percussion

PROPOSED CONSTRUCTION

Estimated Groundwater Depth: 10 ft.
Estimated Depth of Boring: 15 to 150 ft.
Concrete Seal: 0 to 3
Annular Seal: 3 to 150
Filter Pack: ____ to ____
Perforation: ____ to ____

NOTE: Attach a well construction diagram

I agree to comply with the requirements of the current Site Assessment and Mitigation Manual, and with all ordinances and laws of the County of San Diego and the State of California pertaining to well/boring construction and destruction.

DRILLER'S SIGNATURE (Pacific Drilling) _____ DATE 1/25/23

I agree to comply with the requirements of the current Site Assessment and Mitigation Manual, and with all ordinances and laws of the County of San Diego and the State of California pertaining to well/boring construction and destruction.

DRILLER'S SIGNATURE (Kehoe) Steven P. Kehoe DATE 01/25/2023

Within 60 days of completion, I will furnish the Monitoring Well Permit Desk (858) 505-6688 with a complete well/boring log. I will certify the design and construction or destruction of the well/borings in accordance with the permit application.

PG/RCE/CEG SIGNATURE Christopher K. Vonk DATE 1/25/2023

F. SITE INFORMATION – A Property Owner Consent agreement is required for all applications, except for onsite, open LOP/SAM site assessment cases, Caltrans properties and military properties. Submit a separate sheet for additional parcels.

1. **ASSESSOR'S PARCEL NUMBER** 441-590-04

Site Name Sports Arena

Site Address 3550 Sports Arena Blvd City San Diego Zip 92110

PROPERTY OWNER City of San Diego

Phone (619) 236-7346 Ext. ____ Fax ____

Mailing Address 1200 Third Avenue, 17th Floor City San Diego State CA Zip 92101

NUMBER OF WELLS 20 **TYPE OF WELLS** Test Borings/CPTs

G. QUESTIONNAIRE: Please answer all applicable questions completely *and submit any required supportive documentation*.

1. What is the purpose of the well/boring investigation?

☐ a. Part of an ongoing site assessment case in which a government regulator is the lead agency. If yes, indicate which government regulator is the lead agency and the case number.

- ☐ Department of Environmental Health ____
- ☐ Regional Water Quality Control Board ____
- ☐ Department of Toxic Substances Control ____

☐ b. Part of a Phase I investigation for property ownership transfer.

☒ c. Geotechnical investigation for proposed construction or land stabilization.

☐ d. Other: ____

2. If wells are to be destroyed, provide a description of method of destruction _N/A___

3. Are you proposing a variation from current SAM Manual Requirements for the construction or destruction of borings, Vadose and/or Groundwater Monitoring Wells? If yes, specify these variations and include a well construction diagram and all required supporting documentation. Refer to the SAM Manual Appendix B for monitoring well guidelines. Yes ☐ No ☒

County of San Diego

AMY HARBERT
DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH AND QUALITY
LAND AND WATER QUALITY DIVISION
P.O. BOX 129261, SAN DIEGO, CA 92112-9261
Phone: (858) 505-6688 or (800) 253-9933 Fax: (858) 505-6789
www.sdcdeh.org

HEATHER BUONOMO, REHS
DIRECTOR OF ENVIRONMENTAL HEALTH

PROPERTY OWNER CONSENT

Proposed locations for subsurface work:

Property Address: 3550 Sports Arena Blvd., San Diego, CA 92110

Assessor's Parcel Number (APN): 441-590-04

I, City of San Diego, a Municipal Corporation, owner of the property/properties listed above, give my permission to Group Delta Consultants, Inc. (consulting company, contractor) to conduct the following work at the locations stated above.

☐ Install _____ monitoring wells ☐ Destroy _____ monitoring wells ☒ Drill 20 soil borings

I understand that Christopher K. Vonk, GE (registered professional) of Group Delta Consultants, Inc. (consulting company) and an authorized signer for Kehoe Testing & Engineering/ Pacific Drilling (drilling company) have submitted a signed application to the Department of Environmental Health and Quality in which they have agreed to complete the above-stated work according the requirements of the current SAM Manual, all ordinances and laws of the County of San Diego and the State of California pertaining to well/boring construction and destruction. I have arranged with the Responsible Party, the person who causes to have monitoring wells/borings installed or existing wells destroyed on this property, to ensure proper closure of the monitoring wells/borings.

Property Owner Signature: Penny Maus
Penny Maus (Jan 27, 2023 17:08 PST) Date: 01272023

Print Name: Penny Maus Title: Director, Department of Real Estate and Airport Management (DREAM)

Company: City of San Diego - Attn: Director, DREAM

Mailing Address: 1200 Third Avenue, 17th Floor, San Diego, CA 92101

EXPLANATION

- APPROXIMATE LIMITS OF SITE DEVELOPMENT
- A-23-016 — APPROXIMATE LOCATION OF HOLLOW-STEM AUGER BORING
- R-23-002 — APPROXIMATE LOCATION OF MUD ROTARY WASH BORING
- DP-23-004 — APPROXIMATE LOCATION OF DIRECT PUSH BORING
- CPT-23-028 — APPROXIMATE LOCATION OF CONE PENETRATION TEST (CPT)

N

APPROXIMATE SCALE IN FEET

0 100 200

REFERENCE: GOOGLE, INC. (2022) GOOGLE EARTH PRO, AERIAL IMAGERY DATED: AUGUST 1, 2021.

NOTE: DIRECTION, SCALE AND LOCATIONS ARE APPROXIMATE.

PROJECT NAME

SPORTS ARENA COMPLEX
SAN DIEGO, CALIFORNIA
MIDWAY RISING C/O ZEPHYR PARTNERS

FIGURE NAME

PROPOSED EXPLORATION LOCATIONS

GROUP DELTA

PROJECT NUMBER	FIGURE NUMBER
SD760	1

APPENDIX B

Laboratory Analytical Reports

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

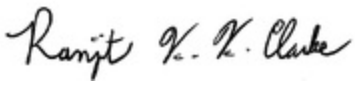
Lab Job Number: 479049
Report Level: II
Report Date: 02/24/2023

Analytical Report *prepared for:*

Chuck Houser
SCS Engineers
8799 Balboa #290
San Diego, CA 92123

Location: Midway Rising - Sports Arena - Revised Report

Authorized for release by:



Ranjit K Clarke, Client Services Manager
(714) 771-9906
Ranjit.Clarke@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Chuck Houser SCS Engineers 8799 Balboa #290 San Diego, CA 92123	Lab Job #: Location: Date Received:	479049 Midway Rising - Sports Arena - Revised Report 02/07/23

Sample ID	Lab ID	Collected	Matrix
DP-23-034-0.5	479049-001	02/06/23 08:41	Soil
DP-23-034-2.5	479049-002	02/06/23 08:48	Soil
DP-23-034-5.0	479049-003	02/06/23 08:57	Soil
DP-23-034-7.5	479049-004	02/06/23 09:20	Soil
DP-23-034-10	479049-005	02/06/23 09:23	Soil
DP-23-034-GW	479049-006	02/06/23 10:43	Water
DPV-23-051-0.5	479049-007	02/06/23 10:05	Soil
DPV-23-051-2.5	479049-008	02/06/23 10:09	Soil
DPV-23-051-5.0	479049-009	02/06/23 10:15	Soil
DPV-23-051-7.5	479049-010	02/06/23 10:26	Soil
DPV-23-051-10	479049-011	02/06/23 10:29	Soil
DP-23-037-0.5	479049-012	02/06/23 11:24	Soil
DP-23-037-2.5	479049-013	02/06/23 11:27	Soil
DP-23-037-5.0	479049-014	02/06/23 11:29	Soil
DP-23-037-7.5	479049-015	02/06/23 11:32	Soil
DP-23-037-10	479049-016	02/06/23 11:34	Soil
DP-23-033-0.5	479049-017	02/06/23 12:04	Soil
DP-23-033-2.5	479049-018	02/06/23 12:07	Soil
DP-23-033-5.0	479049-019	02/06/23 12:10	Soil
DP-23-033-7.5	479049-020	02/06/23 12:20	Soil
DP-23-033-10	479049-021	02/06/23 12:22	Soil
DP-23-037-GW	479049-022	02/06/23 12:58	Water
DP-23-036-0.5	479049-023	02/06/23 13:27	Soil
DP-23-036-2.5	479049-024	02/06/23 13:29	Soil
DP-23-036-3.0	479049-025	02/06/23 13:34	Soil
DP-23-036-3.5	479049-026	02/06/23 13:35	Soil

ENTHALPY ANALYTICAL

Sample Summary

Chuck Houser SCS Engineers 8799 Balboa #290 San Diego, CA 92123	Lab Job #: Location: Date Received:	479049 Midway Rising - Sports Arena - Revised Report 02/07/23

Sample ID	Lab ID	Collected	Matrix
DP-23-036-5.0	479049-027	02/06/23 13:36	Soil
DP-23-036-7.5	479049-028	02/06/23 13:37	Soil
DP-23-036-10	479049-029	02/06/23 13:39	Soil
DP-23-036-GW	479049-030	02/06/23 13:49	Water
DP-23-043-0.5	479049-031	02/06/23 14:58	Soil
DP-23-043-2.5	479049-032	02/06/23 15:01	Soil
DP-23-043-3.0	479049-033	02/06/23 15:03	Soil
DP-23-043-4.0	479049-034	02/06/23 15:04	Soil
DP-23-043-5.0	479049-035	02/06/23 15:05	Soil
DP-23-043-7.5	479049-036	02/06/23 15:06	Soil
DP-23-043-10	479049-037	02/06/23 15:08	Soil

ENTHALPY ANALYTICAL

Case Narrative

SCS Engineers 8799 Balboa #290 San Diego, CA 92123 Chuck Houser	Lab Job Number: 479049 Location: Midway Rising - Sports Arena - Revised Report Date Received: 02/07/23

- This data package contains sample and QC results for thirty soil samples and three water samples, requested for the above referenced project on 02/07/23. The samples were received cold and intact.
- Revised Report - All samples with the nomenclature DP-23-051-depth were changed to DPV-23-051-depth per the change order request from SCS Engineers received on 02/22/23.

TPH-Extractables by GC (EPA 8015B) Water:

- Low surrogate recoveries were observed for n-triacontane in the method blank/BS/BSD for batch 307147. High surrogate recovery was also observed for n-triacontane in DP-23-037-GW (lab # 479049-022).
- TPH (C13-C22) and TPH (C6-C12) were detected above the RL in the method blank for batch 307147.
- No other analytical problems were encountered.

TPH-Extractables by GC (EPA 8015B) Soil:

- Low recoveries were observed for diesel C10-C28 in the MS/MSD for batch 307285; the parent sample was not a project sample, the LCS was within limits, the associated RPD was within limits, and these low recoveries were not associated with any reported results.
- No other analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B):

No analytical problems were encountered.

Pesticides (EPA 8081A):

No analytical problems were encountered.

Metals (EPA 6010B and EPA 7471A):

- High response was observed for selenium in the CCV analyzed 02/11/23 03:57; affected data was qualified with "b".
- A request was received from SCS Engineers on 02/20/23 to report Arsenic on sample DPV-23-051-0.5.
- High response was observed for selenium in the CCV analyzed 02/11/23 04:36; affected data was qualified with "b".
- High response was observed for selenium in the CCV analyzed 02/11/23 02:00; affected data was qualified with "b".
- High response was observed for selenium in the CCV analyzed 02/11/23 02:39; affected data was qualified with "b".
- High response was observed for selenium in the CCV analyzed 02/11/23 05:15; affected data was qualified with "b".
- Low recoveries were observed for antimony in the MS/MSD of A-23-012-0.5 (lab # 479055-001); the LCS was within limits, and the associated RPD was within limits.
- Low recoveries were observed for antimony in the MS/MSD of DP-23-037-0.5 (lab # 479049-012); the LCS was within limits, and the associated RPD was within limits.
- No other analytical problems were encountered.

Enthalpy Analytical - Orange
931 W. Barkley Avenue, Orange, CA 92868
Phone 714 771-6900

Chain of Custody Record

Lab No: 479049
Page: 1 of 4

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SLA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Enthalpy San Diego	Quote #:	Midway Rising-
Report To:	Chuck Hauser and Allison ONeal	Proj. Name:	Sports Arena
Email:	chauser aoneal@scsengineers.com	Proj. #:	01213320.07
Address:	8799 Balboa Ave, #290	P.O. #:	
	San Diego, CA 92123	Address:	
Phone:	858.571.5500	Global ID:	
Fax:	NA	Sampled By:	Allison ONeal

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	TPH ext (8015B)	Metals (6010B)	VOCs (8260B)	OCPs (8081A)	Lead (6010B)	Archive	Test Instructions / Comments
1	DP-23-034-0.5	2/6/23	8:41	Soil	2-4oz glass jars	ice	X	X		X			5.4 / 3.7
2	DP-23-034-2.5		8:48								X		3.4 / 5.2
3	DP-23-034-5.0		8:57				X				X		
4	DP-23-034-7.5		9:20		acetate sleeve						X		
5	DP-23-034-10		9:23				X						
6	DP-23-034-GW		10:43	groundwater	1-Liter amber 4-VOAs		X		X				
7	DP-23-051-0.5		10:05	Soil	2-4oz glass jars		X	X		X			
8	DP-23-051-2.5		10:09								X		
9	DP-23-051-5.0		10:15				X				X		
10	DP-23-051-7.5		10:26		acetate sleeve						X		

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Allison ONeal	SCS	2/7/23 12:38
1 Received By:		Jennifer Bauer Morton	SCS	2/7 12:38
2 Relinquished By:		Jennifer Bauer Morton	SCS	2/7 17:00
2 Received By:		TAYLOR NASH	EA-SD	2/7/23 1700
3 Relinquished By:		TAYLOR NASH	EA-SD	2/8/23 1145
3 Received By:		Fleet Cole	EA SD	2/8/23 11:30
Relinquished:		Fleet Cole	EA OC	2/9/2 17:15

Per Mark Wells, BIA 2-9-23 17:15

Chain of Custody Record

Lab No: 479049

Page: 2 of 4

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
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931 W. Barkley Avenue, Orange, CA 92868

Phone 714 771 6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company	Enthalpy San Diego	Quote #:	
Report To:		Proj. Name:	Sports Arena
Email:		Proj. #:	
Address:	4340 Vandever Ave. See page 1	P.O. #:	
	San Diego, CA 92120	Address:	
Phone:	858-587-7333	Global ID:	
Fax	NA	Sampled By:	

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	TPHext (8015B)	Metals (6010B)	OCPs (8081A)	Leads (6010B)	VOCs (8260B)	Archive	Test Instructions / Comments
1	DP-23-05ft 10	2/6/23	10:29	Soil	acetate sleeve	ice	X						5.4/3.7
2	DP-23-037-0.5		11:24				X	X	X				
3	DP-23-037-2.5		11:27							X			
4	DP-23-037-5.0		11:29				X			X			
5	DP-23-037-7.5		11:32							X			
6	DP-23-037-10		11:34				X						3.4/5.2
7	DP-23-033-0.5		12:04		2-4oz glass jars		X	X	X				
8	DP-23-033-2.5		12:07							X			
9	DP-23-033-5.0		11:10				X			X			
10	DP-23-033-7.5		12:20		acetate sleeve					X			

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Allison O'Neil	SCJ	2/7/23 12:38
1 Received By:		Jennifer Bauer Morton	SCS	2/7/23 12:38
2 Relinquished By:		Jennifer Bauer Morton	SCS	2/7/23 17:00
2 Received By:		TAYLOR NASH	EA-SD	2/7/23 1700
3 Relinquished By:		TAYLOR NASH	EA-SD	2/8/23 1145
3 Received By:		Alex Cote	EA SD	2/8/23 12:30

Relinquished: Alex Cote EA SD 2/8/23 17:18

Received: 2/8/23 17:18

6 of 50

Chain of Custody Record

Lab No: 479049

Page: 3 of 4

Turn Around Time (rush by advanced notice only)

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Enthalpy Analytical - Orange

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Phone 714 771 6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Enthalpy San Diego	Quote #:	
Report To:		Proj. Name:	Sports Arena
Email:		Proj. #:	
Address:	4340 Vandever Ave.	P.O. #:	
	San Diego, CA 92120 see page 1	Address:	
Phone:	858 587 7333	Global ID:	
Fax:	NA	Sampled By:	

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	TPH ext (8015B)	Metals (6010B)	OCPs (8081A)	Lead (6010B)	VOCs (8260B)						Archive	Analysis Request / Test Instructions / Comments
1	DP-23-033-10	2/6/23	12:22	soil	acetate sleeve	ice	X											5.4/37
2	DP-23-037-GW		12:58	GW	1-Liter amber 4-VOAs		X				X							3.4/6.0
3	DP-23-036-0.5		13:27	soil	acetate sleeve		X	X	X									
4	DP-23-036-2.5		13:29														X	
5	DP-23-036-3.0		13:34							X	ana	dup						
6	DP-23-036-3.5		13:35														X	
7	DP-23-036-5.0		13:36				X			X								
8	DP-23-036-7.5		13:37							X								
9	DP-23-036-10		13:39				X											
10	DP-23-036-GW		13:49	GW	1-liter amber		X				X							

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Allison O'Neal	SCS	~~2/7/23 12:38~~
2 Received By:		Jennifer Bauermorton	SCS	2/7/23 ~~12:40~~ 12:38
3 Relinquished By:		Jennifer Bauermorton	SCS	2/7/23 17:00
4 Received By:		TAYLOR NASH	EA-SD	2/7/23 1700
5 Relinquished By:		TAYLOR NASH	EA-SD	2/8/23 1145
6 Received By:		Alex Cote	EA SD	2/8/23 12:36
Relinquished:		Alex Cote	EA OC	2/8/23 17:15

Via Nick to EA 2-8-23 17:15

Chain of Custody Record

Lab No: 479049

Page: 4 of 4

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
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Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Enthalpy San Diego	Quote #:	Midway - Rising
Report To:		Proj. Name:	Sports Arena
Email:		Proj. #:	
Address:	4340 Vandever Ave.	P.O. #:	
	San Diego, CA 92120 see page 1	Address:	
Phone:	858 587 7333	Global ID:	
Fax:	NA	Sampled By:	

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	TPH ext (8015R)	Metals (6010R)	OCPs (8081A)	Lead (6010B)	VOCs (8260B)					Archive	Test Instructions / Comments
1	DP-23-043-0.5	2/6/23	14:58	soil	acetate sleeve	ice	X	X	X								5.4/3.7
2	DP-23-043-2.5		15:01													X	3.4/5.8
3	DP-23-043-3.0		15:03													X	
4	DP-23-043-4.0		15:04							X							
5	DP-23-043-5.0		15:05				X			X							
6	DP-23-043-7.5		15:06							X							
7	DP-23-043-10		15:08				X										
8																	
9																	
10																	

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Allison O'Neal	SCS	2/7/23 12:38
1 Received By:		Jennifer Bauer Morton	SCS	2/7/23 ~~1740~~
2 Relinquished By:		Jennifer Bauer Morton	SCS	2/7/23 17:00 12:38
2 Received By:		TAYLOR NASH	EA-SD	2/7/23 1700
3 Relinquished By:		TAYLOR NASH	EA-SD	2/8/23 1145
3 Received By:		Alexis Costa	EA SD	2/8/23 12:30
Relinquished By:		Alexis Costa	EA OC	2/8/23 17:15

WI GW 2-8-23 1715

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: SCS Engineers

Project: Midway Rising - Sports Arena, 01213320.07

Date Received: 2/8/23

Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 2 ☐ No (skip section 2)

Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 5.4 #2: 3.4 #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 3.7 #2: 5.8 #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✓
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?	✓		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?	✓		
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Sample 6 and 22 had one vial with head space

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 2-8-23

Enthalpy Analytical, a subsidiary of Montrose Environmental Group ,Inc.
931 W. Barkley Ave, Orange, CA 92868 • T: (714) 771-6900 • F: (714) 538-1209
www.enthalpy.com/socal

MONTROSE ENVIRONMENTAL

Ranjit Clarke <ranjit.clarke@enthalpy.com>

[EXTERNAL] FW: Midway Rising - Sports Arena - Enthalpy Data (479049) (Invoice CINV-166621)

1 message

O'Neal, Allison <AONeal@scsengineers.com> Mon, Feb 20, 2023 at 10:38 AM
To: Ranjit Clarke <Ranjit.Clarke@enthalpy.com>
Cc: "Montague, Luke" <LMontague@scsengineers.com>, "Morton, Jen" <JMorton@scsengineers.com>, "Houser, Chuck" <CHouser@scsengineers.com>

Hi Ranjit,

We have a few additional analysis for the Sports Arena data, I will send each request with the associated lab report. For the attached, please run sample DP-23-051-2.5 for arsenic (6010B) on a standard TAT.

Thank you,

Allison O'Neal

SCS Engineers

San Diego, CA

858-583-7763 (W)

858-287-0277 (C)

aoneal@scsengineers.com

www.scsengineers.com

From: Ranjit K Clarke <Ranjit.Clarke@enthalpy.com>
Sent: Tuesday, February 14, 2023 11:16 PM
To: O'Neal, Allison <AONeal@scsengineers.com>
Subject: Midway Rising - Sports Arena - Enthalpy Data (479049) (Invoice CINV-166621)

MONTROSE ENVIRONMENTAL

Ranjit Clarke <ranjit.clarke@enthalpy.com>

[EXTERNAL] FW: Attached Image

1 message

Houser, Chuck <CHouser@scsengineers.com> Wed, Feb 22, 2023 at 4:37 PM
To: "Ranjit.Clarke@enthalpy.com" <Ranjit.Clarke@enthalpy.com>
Cc: "O'Neal, Allison" <AONeal@scsengineers.com>, "Montague, Luke" <LMontague@scsengineers.com>

Ranjit,

We mislabeled one of our borings on the COC. Can you rename DP-23-051 to DPV-23-051 as indicated on the attached COC?

Chuck Houser, CHg

Project Manager

SCS Engineers

Office 858-571-5500 Ext. 2908

Direct: 858-583-7738

Mobile: 858-805-5523

chouser@scsengineers.com

From: scsmail@scsengineers.com <scsmail@scsengineers.com>
Sent: Wednesday, February 22, 2023 4:37 PM
To: Houser, Chuck <CHouser@scsengineers.com>
Subject: Attached Image

0799_001.pdf
290K

Chain of Custody Record

Lab No. 479049

Page 1 of 4

Enthalpy Analytical - Orange
931 W. Barkley Avenue, Orange, CA 92868
Phone 714 771 6900

Turn Around Time (rush by advanced notice only)

Standard	X	5 Day		3 Day	
2 Day		1 Day		Custom TAT	

Matrix: A = Air, S = Soil/Solid, W = Water, DW = Drinking Water, SD = Sediment, PP = Pure Product, SEA = Sea Water, SW = Swab, T = Tissue, WP = Wipe, O = Other

Preservatives: 1 = $Na_2S_2O_3$, 2 = HCl, 3 = HNO_3, 4 = H_2SO_4, 5 = NaOH, 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION

Company:	Enthalpy San Diego
Report To:	Chuck Hauser and Allison ONeal
Email:	chauser@scsengineers.com aoneal@scsengineers.com
Address:	9794 Balboa Ave, #290
	San Diego, CA 92123
Phone:	858.571.5500
Fax:	NA

PROJECT INFORMATION

Quote #:	Midway Rising-
Proj. Name:	Sports Arena
Proj. #:	01213320.07
P.O. #:	
Address:	
Global ID:	
Sampled By:	Allison ONeal

Analysis Request

Test Instructions / Comments: 5.4 / 3.7 3.4 / 5.2

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	TPH ext (8015B)	Metals (6010B)	VOCs (8260B)	OCPs (8081A)	Lead (6010B)	Archive
1	DP-23-034-0.5	2/6/23	8:41	Soil	2-4oz glass jars	ice	X	X		X		
2	DP-23-034-2.5		8:48		↓						X	
3	DP-23-034-5.0		8:57				X				X	
4	DP-23-034-7.5		9:20		acetate sleeve						X	
5	DP-23-034-10		9:23	↓	↓		X					
6	DP-23-034-GW		10:43	groundwater	1-Liter amber 4-VOAs		X		X			
7	DP23-051-0.5		10:05	soil	2-4oz glass jars		X	X		X		
8	DP23-051-2.5		10:09		↓						X	
9	DP23-051-5.0		10:15				X				X	
10	DP23-051-7.5		10:26	↓	acetate sleeve	↓					X	

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Allison ONeal	SCS	2/7/23 12:38
1 Received By:		Jennifer Bauer Morton	SCS	2/7 [illegible]
2 Relinquished By:		Jennifer Bauer Morton	SCS	2/7 17:00
2 Received By:		TAYLOR NASH	EA-SD	2/7/23 1700
3 Relinquished By:		TAYLOR NASH	EA-SD	2/8/23 1145
3 Received By:		[illegible]	EA SD	2/8/23 12:30
Re Inquish:		[illegible]	EA OC	2/8/2 17:15

Per Mail Kirk EA 2-8-23 17:15

Chain of Custody Record

Lab No: 479049

Page: 2 of 4

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2 Day		1 Day		Custom TAT	

Enthalpy Analytical - Orange

31 W. Barkley Avenue, Orange, CA 92868

Phone (714) 771-6900

Matrix: A - Air, S - Soil/Solid, W - Water, DW - Drinking Water, SD - Sediment, PP - Pure Product, SW - Sea Water, SW - Swab, T - Tissue, WP - Wipe, O - Other

Preservatives: 1 - $Na_2S_2O_3$, 2 - HCl, 3 - HNO_3, 4 - H_2SO_4, 5 - NaOH, 6 - Other

Sample Receipt Temp:

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company	Enthalpy San Diego	Quote #:	
Report To		Proj. Name	Sports Arena
Email		Proj. #	
Address	4340 Vandever Ave	P.O. #	
	San Diego, CA 92120 See page 1	Address	
Phone	858 587 7333	Global ID	
Fax	NA	Sampled By	

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	TPHext (8015B)	Metals (6010B)	OCPs (8081A)	Leads (6010B)	VOCs (8260B)	Archive	Test Instructions / Comments
1	DP-23-05-10	2/6/23	10:29	Soil	acetate sleeve	ice	X						5.4/3.7
2	DP-23-037-0.5		11:24				X	X	X				
3	DP-23-037-2.5		11:27							X			
4	DP-23-037-5.0		11:29				X			X			3.4/5.2
5	DP-23-037-7.5		11:32							X			
6	DP-23-037-10		11:34				X						
7	DP-23-033-0.5		12:04		2-4oz glass jars		X	X	X				
8	DP-23-033-2.5		12:07							X			
9	DP-23-033-5.0		11:10				X			X			
10	DP-23-033-7.5		12:20		acetate sleeve					X			

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Allison O'Neal	SCJ	2/7/23 12:38
2 Received By:		Jennifer Bauer Norton	SCS	2/7/23 17:50
Relinquished By:		Jennifer Bauer Norton	SCS	2/7/23 17:50
Received By:		TAYLOR NASH	EA-SD	2/7/23 1700
3 Relinquished By:		TAYLOR NASH	EA-SD	2/8/23 1145
4 Received By:		Alex Cote	EA SD	2/8/23 12:30

Relinquished: Alex Cote EA SD 2/8/23 17:18

Rec'd by MCAS EA 2-8-23 1711

ENTHALPY ANALYTICAL

Analysis Results for 479049

Chuck Houser
SCS Engineers
8799 Balboa #290
San Diego, CA 92123

Lab Job #: 479049
Location: Midway Rising - Sports Arena - Revised Report
Date Received: 02/07/23

Sample ID: DP-23-034-0.5 **Lab ID: 479049-001** **Collected: 02/06/23 08:41**
Matrix: Soil

479049-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	2.9	0.98	307185	02/09/23	02/11/23	SBW
Arsenic	**4.0**		mg/Kg	0.98	0.98	307185	02/09/23	02/13/23	SBW
Barium	**95**		mg/Kg	0.98	0.98	307185	02/09/23	02/11/23	SBW
Beryllium	ND		mg/Kg	0.49	0.98	307185	02/09/23	02/11/23	SBW
Cadmium	ND		mg/Kg	0.49	0.98	307185	02/09/23	02/11/23	SBW
Chromium	**15**		mg/Kg	0.98	0.98	307185	02/09/23	02/11/23	SBW
Cobalt	**6.0**		mg/Kg	0.49	0.98	307185	02/09/23	02/11/23	SBW
Copper	**10**		mg/Kg	0.98	0.98	307185	02/09/23	02/11/23	SBW
Lead	**11**		mg/Kg	0.98	0.98	307185	02/09/23	02/11/23	SBW
Molybdenum	ND		mg/Kg	0.98	0.98	307185	02/09/23	02/11/23	SBW
Nickel	**6.2**		mg/Kg	0.98	0.98	307185	02/09/23	02/11/23	SBW
Selenium	ND		mg/Kg	2.9	0.98	307185	02/09/23	02/11/23	SBW
Silver	ND		mg/Kg	0.49	0.98	307185	02/09/23	02/11/23	SBW
Thallium	ND		mg/Kg	2.9	0.98	307185	02/09/23	02/11/23	SBW
Vanadium	**41**		mg/Kg	0.98	0.98	307185	02/09/23	02/11/23	SBW
Zinc	**65**		mg/Kg	4.9	0.98	307185	02/09/23	02/13/23	SBW
Method: EPA 7471A Prep Method: METHOD									
Mercury	ND		mg/Kg	0.14	1	307206	02/09/23	02/13/23	KAM
Method: EPA 8015B Prep Method: EPA 3580M									
TPH (C6-C12)	ND		mg/Kg	10	1	307285	02/10/23	02/10/23	SME
TPH (C13-C22)	ND		mg/Kg	10	1	307285	02/10/23	02/10/23	SME
TPH (C23-C44)	ND		mg/Kg	50	1	307285	02/10/23	02/10/23	SME
Surrogates				**Limits**					
n-Triacontane	100%		%REC	70-130	1	307285	02/10/23	02/10/23	SME
Method: EPA 8081A Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES
beta-BHC	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES
gamma-BHC	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES
delta-BHC	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES
Heptachlor	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES
Aldrin	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES
Heptachlor epoxide	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 479049

479049-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Endosulfan I	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES
Dieldrin	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES
4,4'-DDE	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES
Endrin	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES
Endosulfan II	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES
Endosulfan sulfate	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES
4,4'-DDD	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES
Endrin aldehyde	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES
Endrin ketone	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES
4,4'-DDT	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES
Methoxychlor	ND		ug/Kg	10	1	307262	02/10/23	02/13/23	MES
Toxaphene	ND		ug/Kg	100	1	307262	02/10/23	02/13/23	MES
Chlordane (Technical)	ND		ug/Kg	50	1	307262	02/10/23	02/13/23	MES
Surrogates				**Limits**					
TCMX	70%		%REC	23-120	1	307262	02/10/23	02/13/23	MES
Decachlorobiphenyl	63%		%REC	24-120	1	307262	02/10/23	02/13/23	MES

Sample ID: DP-23-034-2.5 **Lab ID: 479049-002** **Collected: 02/06/23 08:48**
Matrix: Soil

479049-002 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	**8.6**		mg/Kg	0.97	0.97	307185	02/09/23	02/11/23	SBW

Sample ID: DP-23-034-5.0 **Lab ID: 479049-003** **Collected: 02/06/23 08:57**
Matrix: Soil

479049-003 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	**13**		mg/Kg	0.98	0.98	307185	02/09/23	02/11/23	SBW
Method: EPA 8015B Prep Method: EPA 3580M									
TPH (C6-C12)	ND		mg/Kg	9.9	0.99	307285	02/10/23	02/10/23	SME
TPH (C13-C22)	ND		mg/Kg	9.9	0.99	307285	02/10/23	02/10/23	SME
TPH (C23-C44)	ND		mg/Kg	50	0.99	307285	02/10/23	02/10/23	SME
Surrogates				**Limits**					
n-Triacontane	99%		%REC	70-130	0.99	307285	02/10/23	02/10/23	SME

Results for any subcontracted analyses are not included in this section.

Analysis Results for 479049

Sample ID: DP-23-034-7.5	Lab ID: 479049-004	Collected: 02/06/23 09:20
	Matrix: Soil	

479049-004 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	**6.7**		mg/Kg	1.0	1	307185	02/09/23	02/11/23	SBW

Sample ID: DP-23-034-10	Lab ID: 479049-005	Collected: 02/06/23 09:23
	Matrix: Soil	

479049-005 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8015B Prep Method: EPA 3580M									
TPH (C6-C12)	ND		mg/Kg	9.9	0.99	307285	02/10/23	02/10/23	SME
TPH (C13-C22)	ND		mg/Kg	9.9	0.99	307285	02/10/23	02/10/23	SME
TPH (C23-C44)	ND		mg/Kg	50	0.99	307285	02/10/23	02/10/23	SME
Surrogates				**Limits**					
n-Triacontane	101%		%REC	70-130	0.99	307285	02/10/23	02/10/23	SME

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 479049

Sample ID: DP-23-034-GW	Lab ID: 479049-006	Collected: 02/06/23 10:43
	Matrix: Water	

479049-006 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8015B Prep Method: EPA 3510C									
TPH (C6-C12)	ND		mg/L	0.094	0.94	307147	02/09/23	02/09/23	BJG
TPH (C13-C22)	**0.26**	B	mg/L	0.094	0.94	307147	02/09/23	02/09/23	BJG
TPH (C23-C44)	**0.91**		mg/L	0.28	0.94	307147	02/09/23	02/09/23	BJG
Surrogates				**Limits**					
n-Triacontane	121%		%REC	35-130	0.94	307147	02/09/23	02/09/23	BJG
Method: EPA 8260B Prep Method: EPA 5030B									
Freon 12	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
Chloromethane	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
Vinyl Chloride	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
Bromomethane	ND		ug/L	1.0	1	307153	02/09/23	02/09/23	EJB
Chloroethane	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
Trichlorofluoromethane	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
Acetone	ND		ug/L	25	1	307153	02/09/23	02/09/23	EJB
Freon 113	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
1,1-Dichloroethene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
Methylene Chloride	ND		ug/L	5.0	1	307153	02/09/23	02/09/23	EJB
MTBE	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
trans-1,2-Dichloroethene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
1,1-Dichloroethane	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
2-Butanone	ND		ug/L	5.0	1	307153	02/09/23	02/09/23	EJB
cis-1,2-Dichloroethene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
2,2-Dichloropropane	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
Chloroform	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
Bromochloromethane	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
1,1,1-Trichloroethane	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
1,1-Dichloropropene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
Carbon Tetrachloride	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
1,2-Dichloroethane	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
Benzene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
Trichloroethene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
1,2-Dichloropropane	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
Bromodichloromethane	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
Dibromomethane	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
4-Methyl-2-Pentanone	ND		ug/L	5.0	1	307153	02/09/23	02/09/23	EJB
cis-1,3-Dichloropropene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
Toluene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
trans-1,3-Dichloropropene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
1,1,2-Trichloroethane	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
1,3-Dichloropropane	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 479049

479049-006 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Tetrachloroethene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
Dibromochloromethane	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
1,2-Dibromoethane	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
Chlorobenzene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
1,1,1,2-Tetrachloroethane	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
Ethylbenzene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
m,p-Xylenes	ND		ug/L	1.0	1	307153	02/09/23	02/09/23	EJB
o-Xylene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
Styrene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
Bromoform	ND		ug/L	1.0	1	307153	02/09/23	02/09/23	EJB
Propylbenzene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
Isopropylbenzene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
1,1,2,2-Tetrachloroethane	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
1,2,3-Trichloropropane	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
Bromobenzene	ND		ug/L	1.0	1	307153	02/09/23	02/09/23	EJB
1,3,5-Trimethylbenzene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
2-Chlorotoluene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
4-Chlorotoluene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
tert-Butylbenzene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
1,2,4-Trimethylbenzene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
sec-Butylbenzene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
para-Isopropyl Toluene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
1,3-Dichlorobenzene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
1,4-Dichlorobenzene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
n-Butylbenzene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
1,2-Dichlorobenzene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/L	2.0	1	307153	02/09/23	02/09/23	EJB
1,2,4-Trichlorobenzene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
Hexachlorobutadiene	ND		ug/L	1.0	1	307153	02/09/23	02/09/23	EJB
Naphthalene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
1,2,3-Trichlorobenzene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
cis-1,4-Dichloro-2-butene	ND		ug/L	1.0	1	307153	02/09/23	02/09/23	EJB
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1	307153	02/09/23	02/09/23	EJB
Isopropyl Ether (DIPE)	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
Ethyl tert-Butyl Ether (ETBE)	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
tert-Butyl Alcohol (TBA)	ND		ug/L	10	1	307153	02/09/23	02/09/23	EJB
Methyl tert-Amyl Ether (TAME)	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
Xylene (total)	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
Surrogates				**Limits**					
Dibromofluoromethane	106%		%REC	70-140	1	307153	02/09/23	02/09/23	EJB
1,2-Dichloroethane-d4	105%		%REC	70-140	1	307153	02/09/23	02/09/23	EJB
Toluene-d8	98%		%REC	70-140	1	307153	02/09/23	02/09/23	EJB
Bromofluorobenzene	102%		%REC	70-140	1	307153	02/09/23	02/09/23	EJB

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 479049

Sample ID: DPV-23-051-0.5	Lab ID: 479049-007	Collected: 02/06/23 10:05
	Matrix: Soil	

479049-007 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	3.0	0.99	307185	02/09/23	02/11/23	SBW
Arsenic	**24**		mg/Kg	0.99	0.99	307185	02/09/23	02/13/23	SBW
Barium	**58**		mg/Kg	0.99	0.99	307185	02/09/23	02/11/23	SBW
Beryllium	ND		mg/Kg	0.50	0.99	307185	02/09/23	02/11/23	SBW
Cadmium	ND		mg/Kg	0.50	0.99	307185	02/09/23	02/11/23	SBW
Chromium	**7.5**		mg/Kg	0.99	0.99	307185	02/09/23	02/11/23	SBW
Cobalt	**3.6**		mg/Kg	0.50	0.99	307185	02/09/23	02/11/23	SBW
Copper	**6.2**		mg/Kg	0.99	0.99	307185	02/09/23	02/11/23	SBW
Lead	**10**		mg/Kg	0.99	0.99	307185	02/09/23	02/11/23	SBW
Molybdenum	ND		mg/Kg	0.99	0.99	307185	02/09/23	02/11/23	SBW
Nickel	**3.9**		mg/Kg	0.99	0.99	307185	02/09/23	02/11/23	SBW
Selenium	ND		mg/Kg	3.0	0.99	307185	02/09/23	02/11/23	SBW
Silver	ND		mg/Kg	0.50	0.99	307185	02/09/23	02/11/23	SBW
Thallium	ND		mg/Kg	3.0	0.99	307185	02/09/23	02/11/23	SBW
Vanadium	**22**		mg/Kg	0.99	0.99	307185	02/09/23	02/11/23	SBW
Zinc	**34**		mg/Kg	5.0	0.99	307185	02/09/23	02/13/23	SBW
Method: EPA 7471A Prep Method: METHOD									
Mercury	ND		mg/Kg	0.17	1.2	307206	02/09/23	02/13/23	KAM
Method: EPA 8015B Prep Method: EPA 3580M									
TPH (C6-C12)	ND		mg/Kg	10	1	307285	02/10/23	02/10/23	SME
TPH (C13-C22)	ND		mg/Kg	10	1	307285	02/10/23	02/10/23	SME
TPH (C23-C44)	ND		mg/Kg	50	1	307285	02/10/23	02/10/23	SME
Surrogates				**Limits**					
n-Triacontane	101%		%REC	70-130	1	307285	02/10/23	02/10/23	SME
Method: EPA 8081A Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES
beta-BHC	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES
gamma-BHC	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES
delta-BHC	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES
Heptachlor	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES
Aldrin	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES
Heptachlor epoxide	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES
Endosulfan I	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES
Dieldrin	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES
4,4'-DDE	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES
Endrin	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES
Endosulfan II	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 479049

479049-007 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Endosulfan sulfate	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES
4,4'-DDD	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES
Endrin aldehyde	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES
Endrin ketone	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES
4,4'-DDT	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES
Methoxychlor	ND		ug/Kg	10	1	307262	02/10/23	02/13/23	MES
Toxaphene	ND		ug/Kg	100	1	307262	02/10/23	02/13/23	MES
Chlordane (Technical)	ND		ug/Kg	50	1	307262	02/10/23	02/13/23	MES
Surrogates				**Limits**					
TCMX	84%		%REC	23-120	1	307262	02/10/23	02/13/23	MES
Decachlorobiphenyl	73%		%REC	24-120	1	307262	02/10/23	02/13/23	MES

Sample ID: DPV-23-051-2.5 **Lab ID: 479049-008** **Collected: 02/06/23 10:09**
Matrix: Soil

479049-008 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Arsenic	**3.3**		mg/Kg	0.96	0.96	307185	02/09/23	02/21/23	SBW
Lead	**7.5**		mg/Kg	0.96	0.96	307185	02/09/23	02/11/23	SBW

Sample ID: DPV-23-051-5.0 **Lab ID: 479049-009** **Collected: 02/06/23 10:15**
Matrix: Soil

479049-009 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	**13**		mg/Kg	0.98	0.98	307185	02/09/23	02/11/23	SBW
Method: EPA 8015B Prep Method: EPA 3580M									
TPH (C6-C12)	ND		mg/Kg	9.9	0.99	307285	02/10/23	02/10/23	SME
TPH (C13-C22)	ND		mg/Kg	9.9	0.99	307285	02/10/23	02/10/23	SME
TPH (C23-C44)	ND		mg/Kg	50	0.99	307285	02/10/23	02/10/23	SME
Surrogates				**Limits**					
n-Triacontane	101%		%REC	70-130	0.99	307285	02/10/23	02/10/23	SME

Sample ID: DPV-23-051-7.5 **Lab ID: 479049-010** **Collected: 02/06/23 10:26**
Matrix: Soil

479049-010 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	**11**		mg/Kg	0.98	0.98	307185	02/09/23	02/11/23	SBW

Results for any subcontracted analyses are not included in this section.

Analysis Results for 479049

Sample ID: DPV-23-051-10	Lab ID: 479049-011	Collected: 02/06/23 10:29
	Matrix: Soil	

479049-011 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8015B Prep Method: EPA 3580M									
TPH (C6-C12)	ND		mg/Kg	9.9	0.99	307285	02/10/23	02/11/23	SME
TPH (C13-C22)	ND		mg/Kg	9.9	0.99	307285	02/10/23	02/11/23	SME
TPH (C23-C44)	ND		mg/Kg	50	0.99	307285	02/10/23	02/11/23	SME
Surrogates				**Limits**					
n-Triacontane	102%		%REC	70-130	0.99	307285	02/10/23	02/11/23	SME

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 479049

Sample ID: DP-23-037-0.5	Lab ID: 479049-012	Collected: 02/06/23 11:24
	Matrix: Soil	

479049-012 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	2.9	0.97	307203	02/09/23	02/11/23	SBW
Arsenic	ND		mg/Kg	0.97	0.97	307203	02/09/23	02/13/23	SBW
Barium	**79**		mg/Kg	0.97	0.97	307203	02/09/23	02/11/23	SBW
Beryllium	ND		mg/Kg	0.49	0.97	307203	02/09/23	02/11/23	SBW
Cadmium	ND		mg/Kg	0.49	0.97	307203	02/09/23	02/11/23	SBW
Chromium	**14**		mg/Kg	0.97	0.97	307203	02/09/23	02/11/23	SBW
Cobalt	**4.8**		mg/Kg	0.49	0.97	307203	02/09/23	02/11/23	SBW
Copper	**7.0**		mg/Kg	0.97	0.97	307203	02/09/23	02/11/23	SBW
Lead	**3.4**		mg/Kg	0.97	0.97	307203	02/09/23	02/11/23	SBW
Molybdenum	ND		mg/Kg	0.97	0.97	307203	02/09/23	02/11/23	SBW
Nickel	**3.6**		mg/Kg	0.97	0.97	307203	02/09/23	02/11/23	SBW
Selenium	ND		mg/Kg	2.9	0.97	307203	02/09/23	02/11/23	SBW
Silver	ND		mg/Kg	0.49	0.97	307203	02/09/23	02/11/23	SBW
Thallium	ND		mg/Kg	2.9	0.97	307203	02/09/23	02/11/23	SBW
Vanadium	**42**		mg/Kg	0.97	0.97	307203	02/09/23	02/11/23	SBW
Zinc	**26**		mg/Kg	4.9	0.97	307203	02/09/23	02/13/23	SBW
Method: EPA 7471A Prep Method: METHOD									
Mercury	ND		mg/Kg	0.16	1.2	307206	02/09/23	02/13/23	KAM
Method: EPA 8015B Prep Method: EPA 3580M									
TPH (C6-C12)	ND		mg/Kg	10	1	307285	02/10/23	02/10/23	SME
TPH (C13-C22)	ND		mg/Kg	10	1	307285	02/10/23	02/10/23	SME
TPH (C23-C44)	ND		mg/Kg	50	1	307285	02/10/23	02/10/23	SME
Surrogates				**Limits**					
n-Triacontane	101%		%REC	70-130	1	307285	02/10/23	02/10/23	SME
Method: EPA 8081A Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES
beta-BHC	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES
gamma-BHC	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES
delta-BHC	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES
Heptachlor	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES
Aldrin	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES
Heptachlor epoxide	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES
Endosulfan I	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES
Dieldrin	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES
4,4'-DDE	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES
Endrin	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES
Endosulfan II	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 479049

479049-012 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Endosulfan sulfate	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES
4,4'-DDD	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES
Endrin aldehyde	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES
Endrin ketone	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES
4,4'-DDT	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES
Methoxychlor	ND		ug/Kg	10	1	307262	02/10/23	02/13/23	MES
Toxaphene	ND		ug/Kg	100	1	307262	02/10/23	02/13/23	MES
Chlordane (Technical)	ND		ug/Kg	50	1	307262	02/10/23	02/13/23	MES
Surrogates				**Limits**					
TCMX	70%		%REC	23-120	1	307262	02/10/23	02/13/23	MES
Decachlorobiphenyl	62%		%REC	24-120	1	307262	02/10/23	02/13/23	MES

Sample ID: DP-23-037-2.5 **Lab ID: 479049-013** **Collected: 02/06/23 11:27**
Matrix: Soil

479049-013 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	**8.4**		mg/Kg	0.96	0.96	307203	02/09/23	02/11/23	SBW

Sample ID: DP-23-037-5.0 **Lab ID: 479049-014** **Collected: 02/06/23 11:29**
Matrix: Soil

479049-014 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	**2.3**		mg/Kg	0.99	0.99	307203	02/09/23	02/11/23	SBW
Method: EPA 8015B Prep Method: EPA 3580M									
TPH (C6-C12)	ND		mg/Kg	9.9	0.99	307285	02/10/23	02/10/23	SME
TPH (C13-C22)	ND		mg/Kg	9.9	0.99	307285	02/10/23	02/10/23	SME
TPH (C23-C44)	ND		mg/Kg	50	0.99	307285	02/10/23	02/10/23	SME
Surrogates				**Limits**					
n-Triacontane	99%		%REC	70-130	0.99	307285	02/10/23	02/10/23	SME

Sample ID: DP-23-037-7.5 **Lab ID: 479049-015** **Collected: 02/06/23 11:32**
Matrix: Soil

479049-015 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	**2.7**		mg/Kg	0.96	0.96	307203	02/09/23	02/11/23	SBW

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 479049

Sample ID: DP-23-037-10	Lab ID: 479049-016	Collected: 02/06/23 11:34
	Matrix: Soil	

479049-016 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8015B Prep Method: EPA 3580M									
TPH (C6-C12)	ND		mg/Kg	10	1	307285	02/10/23	02/10/23	SME
TPH (C13-C22)	ND		mg/Kg	10	1	307285	02/10/23	02/10/23	SME
TPH (C23-C44)	ND		mg/Kg	50	1	307285	02/10/23	02/10/23	SME
Surrogates				**Limits**					
n-Triacontane	99%		%REC	70-130	1	307285	02/10/23	02/10/23	SME

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 479049

Sample ID: DP-23-033-0.5	Lab ID: 479049-017	Collected: 02/06/23 12:04
	Matrix: Soil	

479049-017 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	2.9	0.98	307203	02/09/23	02/10/23	SBW
Arsenic	**4.9**		mg/Kg	0.98	0.98	307203	02/09/23	02/10/23	SBW
Barium	**130**		mg/Kg	0.98	0.98	307203	02/09/23	02/10/23	SBW
Beryllium	ND		mg/Kg	0.49	0.98	307203	02/09/23	02/10/23	SBW
Cadmium	ND		mg/Kg	0.49	0.98	307203	02/09/23	02/10/23	SBW
Chromium	**15**		mg/Kg	0.98	0.98	307203	02/09/23	02/10/23	SBW
Cobalt	**5.1**		mg/Kg	0.49	0.98	307203	02/09/23	02/10/23	SBW
Copper	**9.9**		mg/Kg	0.98	0.98	307203	02/09/23	02/10/23	SBW
Lead	**8.8**		mg/Kg	0.98	0.98	307203	02/09/23	02/11/23	SBW
Molybdenum	ND		mg/Kg	0.98	0.98	307203	02/09/23	02/11/23	SBW
Nickel	**5.8**		mg/Kg	0.98	0.98	307203	02/09/23	02/10/23	SBW
Selenium	ND		mg/Kg	2.9	0.98	307203	02/09/23	02/10/23	SBW
Silver	ND		mg/Kg	0.49	0.98	307203	02/09/23	02/10/23	SBW
Thallium	ND		mg/Kg	2.9	0.98	307203	02/09/23	02/10/23	SBW
Vanadium	**34**		mg/Kg	0.98	0.98	307203	02/09/23	02/10/23	SBW
Zinc	**33**		mg/Kg	4.9	0.98	307203	02/09/23	02/10/23	SBW
Method: EPA 7471A Prep Method: METHOD									
Mercury	ND		mg/Kg	0.15	1.1	307206	02/09/23	02/13/23	KAM
Method: EPA 8015B Prep Method: EPA 3580M									
TPH (C6-C12)	ND		mg/Kg	9.9	0.99	307285	02/10/23	02/10/23	SME
TPH (C13-C22)	ND		mg/Kg	9.9	0.99	307285	02/10/23	02/10/23	SME
TPH (C23-C44)	ND		mg/Kg	50	0.99	307285	02/10/23	02/10/23	SME
Surrogates				**Limits**					
n-Triacontane	98%		%REC	70-130	0.99	307285	02/10/23	02/10/23	SME
Method: EPA 8081A Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	5.0	0.99	307262	02/10/23	02/13/23	MES
beta-BHC	ND		ug/Kg	5.0	0.99	307262	02/10/23	02/13/23	MES
gamma-BHC	ND		ug/Kg	5.0	0.99	307262	02/10/23	02/13/23	MES
delta-BHC	ND		ug/Kg	5.0	0.99	307262	02/10/23	02/13/23	MES
Heptachlor	ND		ug/Kg	5.0	0.99	307262	02/10/23	02/13/23	MES
Aldrin	ND		ug/Kg	5.0	0.99	307262	02/10/23	02/13/23	MES
Heptachlor epoxide	ND		ug/Kg	5.0	0.99	307262	02/10/23	02/13/23	MES
Endosulfan I	ND		ug/Kg	5.0	0.99	307262	02/10/23	02/13/23	MES
Dieldrin	ND		ug/Kg	5.0	0.99	307262	02/10/23	02/13/23	MES
4,4'-DDE	ND		ug/Kg	5.0	0.99	307262	02/10/23	02/13/23	MES
Endrin	ND		ug/Kg	5.0	0.99	307262	02/10/23	02/13/23	MES
Endosulfan II	ND		ug/Kg	5.0	0.99	307262	02/10/23	02/13/23	MES

Results for any subcontracted analyses are not included in this section.

Analysis Results for 479049

479049-017 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Endosulfan sulfate	ND		ug/Kg	5.0	0.99	307262	02/10/23	02/13/23	MES
4,4'-DDD	ND		ug/Kg	5.0	0.99	307262	02/10/23	02/13/23	MES
Endrin aldehyde	ND		ug/Kg	5.0	0.99	307262	02/10/23	02/13/23	MES
Endrin ketone	ND		ug/Kg	5.0	0.99	307262	02/10/23	02/13/23	MES
4,4'-DDT	ND		ug/Kg	5.0	0.99	307262	02/10/23	02/13/23	MES
Methoxychlor	ND		ug/Kg	9.9	0.99	307262	02/10/23	02/13/23	MES
Toxaphene	ND		ug/Kg	99	0.99	307262	02/10/23	02/13/23	MES
Chlordane (Technical)	ND		ug/Kg	50	0.99	307262	02/10/23	02/13/23	MES
Surrogates				**Limits**					
TCMX	76%		%REC	23-120	0.99	307262	02/10/23	02/13/23	MES
Decachlorobiphenyl	67%		%REC	24-120	0.99	307262	02/10/23	02/13/23	MES

Sample ID: DP-23-033-2.5 **Lab ID: 479049-018** **Collected: 02/06/23 12:07**
Matrix: Soil

479049-018 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	**13**		mg/Kg	0.96	0.96	307203	02/09/23	02/11/23	SBW

Sample ID: DP-23-033-5.0 **Lab ID: 479049-019** **Collected: 02/06/23 12:10**
Matrix: Soil

479049-019 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	**9.8**		mg/Kg	0.97	0.97	307203	02/09/23	02/11/23	SBW
Method: EPA 8015B Prep Method: EPA 3580M									
TPH (C6-C12)	ND		mg/Kg	10	1	307285	02/10/23	02/10/23	SME
TPH (C13-C22)	ND		mg/Kg	10	1	307285	02/10/23	02/10/23	SME
TPH (C23-C44)	ND		mg/Kg	50	1	307285	02/10/23	02/10/23	SME
Surrogates				**Limits**					
n-Triacontane	99%		%REC	70-130	1	307285	02/10/23	02/10/23	SME

Sample ID: DP-23-033-7.5 **Lab ID: 479049-020** **Collected: 02/06/23 12:20**
Matrix: Soil

479049-020 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	**12**		mg/Kg	0.99	0.99	307203	02/09/23	02/11/23	SBW

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 479049

Sample ID: DP-23-033-10	Lab ID: 479049-021	Collected: 02/06/23 12:22
	Matrix: Soil	

479049-021 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8015B Prep Method: EPA 3580M									
TPH (C6-C12)	ND		mg/Kg	9.9	0.99	307285	02/10/23	02/10/23	SME
TPH (C13-C22)	ND		mg/Kg	9.9	0.99	307285	02/10/23	02/10/23	SME
TPH (C23-C44)	ND		mg/Kg	50	0.99	307285	02/10/23	02/10/23	SME
Surrogates				**Limits**					
n-Triacontane	97%		%REC	70-130	0.99	307285	02/10/23	02/10/23	SME

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 479049

Sample ID: DP-23-037-GW	Lab ID: 479049-022	Collected: 02/06/23 12:58
	Matrix: Water	

479049-022 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8015B Prep Method: EPA 3510C									
TPH (C6-C12)	ND		mg/L	0.19	1.9	307147	02/09/23	02/10/23	BJG
TPH (C13-C22)	**0.27**	B	mg/L	0.19	1.9	307147	02/09/23	02/10/23	BJG
TPH (C23-C44)	**1.6**		mg/L	0.57	1.9	307147	02/09/23	02/10/23	BJG
Surrogates				**Limits**					
n-Triacontane	131%	*	%REC	35-130	1.9	307147	02/09/23	02/10/23	BJG
Method: EPA 8260B Prep Method: EPA 5030B									
Freon 12	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
Chloromethane	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
Vinyl Chloride	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
Bromomethane	ND		ug/L	1.0	1	307153	02/09/23	02/09/23	EJB
Chloroethane	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
Trichlorofluoromethane	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
Acetone	ND		ug/L	25	1	307153	02/09/23	02/09/23	EJB
Freon 113	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
1,1-Dichloroethene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
Methylene Chloride	ND		ug/L	5.0	1	307153	02/09/23	02/09/23	EJB
MTBE	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
trans-1,2-Dichloroethene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
1,1-Dichloroethane	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
2-Butanone	ND		ug/L	5.0	1	307153	02/09/23	02/09/23	EJB
cis-1,2-Dichloroethene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
2,2-Dichloropropane	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
Chloroform	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
Bromochloromethane	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
1,1,1-Trichloroethane	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
1,1-Dichloropropene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
Carbon Tetrachloride	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
1,2-Dichloroethane	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
Benzene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
Trichloroethene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
1,2-Dichloropropane	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
Bromodichloromethane	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
Dibromomethane	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
4-Methyl-2-Pentanone	ND		ug/L	5.0	1	307153	02/09/23	02/09/23	EJB
cis-1,3-Dichloropropene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
Toluene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
trans-1,3-Dichloropropene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
1,1,2-Trichloroethane	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
1,3-Dichloropropane	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 479049

479049-022 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Tetrachloroethene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
Dibromochloromethane	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
1,2-Dibromoethane	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
Chlorobenzene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
1,1,1,2-Tetrachloroethane	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
Ethylbenzene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
m,p-Xylenes	ND		ug/L	1.0	1	307153	02/09/23	02/09/23	EJB
o-Xylene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
Styrene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
Bromoform	ND		ug/L	1.0	1	307153	02/09/23	02/09/23	EJB
Propylbenzene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
Isopropylbenzene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
1,1,2,2-Tetrachloroethane	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
1,2,3-Trichloropropane	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
Bromobenzene	ND		ug/L	1.0	1	307153	02/09/23	02/09/23	EJB
1,3,5-Trimethylbenzene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
2-Chlorotoluene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
4-Chlorotoluene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
tert-Butylbenzene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
1,2,4-Trimethylbenzene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
sec-Butylbenzene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
para-Isopropyl Toluene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
1,3-Dichlorobenzene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
1,4-Dichlorobenzene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
n-Butylbenzene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
1,2-Dichlorobenzene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/L	2.0	1	307153	02/09/23	02/09/23	EJB
1,2,4-Trichlorobenzene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
Hexachlorobutadiene	ND		ug/L	1.0	1	307153	02/09/23	02/09/23	EJB
Naphthalene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
1,2,3-Trichlorobenzene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
cis-1,4-Dichloro-2-butene	ND		ug/L	1.0	1	307153	02/09/23	02/09/23	EJB
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1	307153	02/09/23	02/09/23	EJB
Isopropyl Ether (DIPE)	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
Ethyl tert-Butyl Ether (ETBE)	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
tert-Butyl Alcohol (TBA)	ND		ug/L	10	1	307153	02/09/23	02/09/23	EJB
Methyl tert-Amyl Ether (TAME)	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
Xylene (total)	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
Surrogates				**Limits**					
Dibromofluoromethane	106%		%REC	70-140	1	307153	02/09/23	02/09/23	EJB
1,2-Dichloroethane-d4	104%		%REC	70-140	1	307153	02/09/23	02/09/23	EJB
Toluene-d8	98%		%REC	70-140	1	307153	02/09/23	02/09/23	EJB
Bromofluorobenzene	103%		%REC	70-140	1	307153	02/09/23	02/09/23	EJB

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 479049

Sample ID: DP-23-036-0.5	Lab ID: 479049-023	Collected: 02/06/23 13:27
	Matrix: Soil	

479049-023 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	2.9	0.97	307203	02/09/23	02/10/23	SBW
Arsenic	**3.8**		mg/Kg	0.97	0.97	307203	02/09/23	02/10/23	SBW
Barium	**44**		mg/Kg	0.97	0.97	307203	02/09/23	02/10/23	SBW
Beryllium	ND		mg/Kg	0.49	0.97	307203	02/09/23	02/10/23	SBW
Cadmium	ND		mg/Kg	0.49	0.97	307203	02/09/23	02/10/23	SBW
Chromium	**14**		mg/Kg	0.97	0.97	307203	02/09/23	02/10/23	SBW
Cobalt	**6.3**		mg/Kg	0.49	0.97	307203	02/09/23	02/10/23	SBW
Copper	**7.9**		mg/Kg	0.97	0.97	307203	02/09/23	02/10/23	SBW
Lead	**10**		mg/Kg	0.97	0.97	307203	02/09/23	02/11/23	SBW
Molybdenum	ND		mg/Kg	0.97	0.97	307203	02/09/23	02/10/23	SBW
Nickel	**7.9**		mg/Kg	0.97	0.97	307203	02/09/23	02/10/23	SBW
Selenium	ND		mg/Kg	2.9	0.97	307203	02/09/23	02/10/23	SBW
Silver	ND		mg/Kg	0.49	0.97	307203	02/09/23	02/10/23	SBW
Thallium	ND		mg/Kg	2.9	0.97	307203	02/09/23	02/10/23	SBW
Vanadium	**33**		mg/Kg	0.97	0.97	307203	02/09/23	02/10/23	SBW
Zinc	**39**		mg/Kg	4.9	0.97	307203	02/09/23	02/10/23	SBW
Method: EPA 7471A Prep Method: METHOD									
Mercury	ND		mg/Kg	0.16	1.1	307206	02/09/23	02/13/23	KAM
Method: EPA 8015B Prep Method: EPA 3580M									
TPH (C6-C12)	ND		mg/Kg	9.9	0.99	307285	02/10/23	02/10/23	SME
TPH (C13-C22)	ND		mg/Kg	9.9	0.99	307285	02/10/23	02/10/23	SME
TPH (C23-C44)	ND		mg/Kg	50	0.99	307285	02/10/23	02/10/23	SME
Surrogates				**Limits**					
n-Triacontane	98%		%REC	70-130	0.99	307285	02/10/23	02/10/23	SME
Method: EPA 8081A Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES
beta-BHC	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES
gamma-BHC	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES
delta-BHC	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES
Heptachlor	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES
Aldrin	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES
Heptachlor epoxide	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES
Endosulfan I	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES
Dieldrin	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES
4,4'-DDE	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES
Endrin	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES
Endosulfan II	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES

Results for any subcontracted analyses are not included in this section.

Analysis Results for 479049

479049-023 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Endosulfan sulfate	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES
4,4'-DDD	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES
Endrin aldehyde	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES
Endrin ketone	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES
4,4'-DDT	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES
Methoxychlor	ND		ug/Kg	10	1	307262	02/10/23	02/13/23	MES
Toxaphene	ND		ug/Kg	100	1	307262	02/10/23	02/13/23	MES
Chlordane (Technical)	ND		ug/Kg	50	1	307262	02/10/23	02/13/23	MES
Surrogates				**Limits**					
TCMX	72%		%REC	23-120	1	307262	02/10/23	02/13/23	MES
Decachlorobiphenyl	68%		%REC	24-120	1	307262	02/10/23	02/13/23	MES

Sample ID: DP-23-036-3.0 **Lab ID: 479049-025** **Collected: 02/06/23 13:34**
Matrix: Soil

479049-025 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	**9.0**		mg/Kg	0.99	0.99	307203	02/09/23	02/11/23	SBW

Sample ID: DP-23-036-5.0 **Lab ID: 479049-027** **Collected: 02/06/23 13:36**
Matrix: Soil

479049-027 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	ND		mg/Kg	0.96	0.96	307203	02/09/23	02/11/23	SBW
Method: EPA 8015B Prep Method: EPA 3580M									
TPH (C6-C12)	ND		mg/Kg	9.9	0.99	307285	02/10/23	02/10/23	SME
TPH (C13-C22)	ND		mg/Kg	9.9	0.99	307285	02/10/23	02/10/23	SME
TPH (C23-C44)	ND		mg/Kg	50	0.99	307285	02/10/23	02/10/23	SME
Surrogates				**Limits**					
n-Triacontane	100%		%REC	70-130	0.99	307285	02/10/23	02/10/23	SME

Sample ID: DP-23-036-7.5 **Lab ID: 479049-028** **Collected: 02/06/23 13:37**
Matrix: Soil

479049-028 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	**5.5**		mg/Kg	0.99	0.99	307203	02/09/23	02/11/23	SBW

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 479049

Sample ID: DP-23-036-10	Lab ID: 479049-029	Collected: 02/06/23 13:39
	Matrix: Soil	

479049-029 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8015B Prep Method: EPA 3580M									
TPH (C6-C12)	ND		mg/Kg	9.9	0.99	307285	02/10/23	02/10/23	SME
TPH (C13-C22)	ND		mg/Kg	9.9	0.99	307285	02/10/23	02/10/23	SME
TPH (C23-C44)	ND		mg/Kg	50	0.99	307285	02/10/23	02/10/23	SME
Surrogates				**Limits**					
n-Triacontane	96%		%REC	70-130	0.99	307285	02/10/23	02/10/23	SME

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 479049

Sample ID: DP-23-036-GW	Lab ID: 479049-030	Collected: 02/06/23 13:49
	Matrix: Water	

479049-030 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8015B Prep Method: EPA 3510C									
TPH (C6-C12)	ND		mg/L	0.096	0.96	307147	02/09/23	02/10/23	BJG
TPH (C13-C22)	ND		mg/L	0.096	0.96	307147	02/09/23	02/10/23	BJG
TPH (C23-C44)	ND		mg/L	0.29	0.96	307147	02/09/23	02/10/23	BJG
Surrogates				**Limits**					
n-Triacontane	74%		%REC	35-130	0.96	307147	02/09/23	02/10/23	BJG
Method: EPA 8260B Prep Method: EPA 5030B									
Freon 12	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
Chloromethane	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
Vinyl Chloride	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
Bromomethane	ND		ug/L	1.0	1	307153	02/09/23	02/09/23	EJB
Chloroethane	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
Trichlorofluoromethane	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
Acetone	ND		ug/L	25	1	307153	02/09/23	02/09/23	EJB
Freon 113	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
1,1-Dichloroethene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
Methylene Chloride	ND		ug/L	5.0	1	307153	02/09/23	02/09/23	EJB
MTBE	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
trans-1,2-Dichloroethene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
1,1-Dichloroethane	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
2-Butanone	ND		ug/L	5.0	1	307153	02/09/23	02/09/23	EJB
cis-1,2-Dichloroethene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
2,2-Dichloropropane	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
Chloroform	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
Bromochloromethane	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
1,1,1-Trichloroethane	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
1,1-Dichloropropene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
Carbon Tetrachloride	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
1,2-Dichloroethane	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
Benzene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
Trichloroethene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
1,2-Dichloropropane	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
Bromodichloromethane	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
Dibromomethane	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
4-Methyl-2-Pentanone	ND		ug/L	5.0	1	307153	02/09/23	02/09/23	EJB
cis-1,3-Dichloropropene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
Toluene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
trans-1,3-Dichloropropene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
1,1,2-Trichloroethane	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
1,3-Dichloropropane	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 479049

479049-030 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Tetrachloroethene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
Dibromochloromethane	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
1,2-Dibromoethane	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
Chlorobenzene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
1,1,1,2-Tetrachloroethane	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
Ethylbenzene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
m,p-Xylenes	ND		ug/L	1.0	1	307153	02/09/23	02/09/23	EJB
o-Xylene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
Styrene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
Bromoform	ND		ug/L	1.0	1	307153	02/09/23	02/09/23	EJB
Propylbenzene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
Isopropylbenzene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
1,1,2,2-Tetrachloroethane	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
1,2,3-Trichloropropane	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
Bromobenzene	ND		ug/L	1.0	1	307153	02/09/23	02/09/23	EJB
1,3,5-Trimethylbenzene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
2-Chlorotoluene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
4-Chlorotoluene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
tert-Butylbenzene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
1,2,4-Trimethylbenzene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
sec-Butylbenzene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
para-Isopropyl Toluene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
1,3-Dichlorobenzene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
1,4-Dichlorobenzene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
n-Butylbenzene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
1,2-Dichlorobenzene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/L	2.0	1	307153	02/09/23	02/09/23	EJB
1,2,4-Trichlorobenzene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
Hexachlorobutadiene	ND		ug/L	1.0	1	307153	02/09/23	02/09/23	EJB
Naphthalene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
1,2,3-Trichlorobenzene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
cis-1,4-Dichloro-2-butene	ND		ug/L	1.0	1	307153	02/09/23	02/09/23	EJB
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1	307153	02/09/23	02/09/23	EJB
Isopropyl Ether (DIPE)	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
Ethyl tert-Butyl Ether (ETBE)	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
tert-Butyl Alcohol (TBA)	ND		ug/L	10	1	307153	02/09/23	02/09/23	EJB
Methyl tert-Amyl Ether (TAME)	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
Xylene (total)	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	EJB
Surrogates				**Limits**					
Dibromofluoromethane	107%		%REC	70-140	1	307153	02/09/23	02/09/23	EJB
1,2-Dichloroethane-d4	103%		%REC	70-140	1	307153	02/09/23	02/09/23	EJB
Toluene-d8	99%		%REC	70-140	1	307153	02/09/23	02/09/23	EJB
Bromofluorobenzene	102%		%REC	70-140	1	307153	02/09/23	02/09/23	EJB

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 479049

Sample ID: DP-23-043-0.5	Lab ID: 479049-031	Collected: 02/06/23 14:58
	Matrix: Soil	

479049-031 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	2.9	0.96	307203	02/09/23	02/13/23	SBW
Arsenic	**3.3**		mg/Kg	0.96	0.96	307203	02/09/23	02/10/23	SBW
Barium	**60**		mg/Kg	0.96	0.96	307203	02/09/23	02/10/23	SBW
Beryllium	ND		mg/Kg	0.48	0.96	307203	02/09/23	02/10/23	SBW
Cadmium	ND		mg/Kg	0.48	0.96	307203	02/09/23	02/10/23	SBW
Chromium	**18**		mg/Kg	0.96	0.96	307203	02/09/23	02/10/23	SBW
Cobalt	**5.9**		mg/Kg	0.48	0.96	307203	02/09/23	02/10/23	SBW
Copper	**8.4**		mg/Kg	0.96	0.96	307203	02/09/23	02/10/23	SBW
Lead	**8.4**		mg/Kg	0.96	0.96	307203	02/09/23	02/11/23	SBW
Molybdenum	ND		mg/Kg	0.96	0.96	307203	02/09/23	02/10/23	SBW
Nickel	**7.3**		mg/Kg	0.96	0.96	307203	02/09/23	02/10/23	SBW
Selenium	ND		mg/Kg	2.9	0.96	307203	02/09/23	02/10/23	SBW
Silver	ND		mg/Kg	0.48	0.96	307203	02/09/23	02/10/23	SBW
Thallium	ND		mg/Kg	2.9	0.96	307203	02/09/23	02/10/23	SBW
Vanadium	**42**		mg/Kg	0.96	0.96	307203	02/09/23	02/10/23	SBW
Zinc	**39**		mg/Kg	4.8	0.96	307203	02/09/23	02/10/23	SBW
Method: EPA 7471A Prep Method: METHOD									
Mercury	ND		mg/Kg	0.14	1	307206	02/09/23	02/13/23	KAM
Method: EPA 8015B Prep Method: EPA 3580M									
TPH (C6-C12)	ND		mg/Kg	10	1	307285	02/10/23	02/10/23	SME
TPH (C13-C22)	ND		mg/Kg	10	1	307285	02/10/23	02/10/23	SME
TPH (C23-C44)	ND		mg/Kg	50	1	307285	02/10/23	02/10/23	SME
Surrogates				**Limits**					
n-Triacontane	99%		%REC	70-130	1	307285	02/10/23	02/10/23	SME
Method: EPA 8081A Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES
beta-BHC	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES
gamma-BHC	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES
delta-BHC	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES
Heptachlor	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES
Aldrin	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES
Heptachlor epoxide	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES
Endosulfan I	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES
Dieldrin	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES
4,4'-DDE	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES
Endrin	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES
Endosulfan II	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES

Results for any subcontracted analyses are not included in this section.

Analysis Results for 479049

479049-031 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Endosulfan sulfate	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES
4,4'-DDD	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES
Endrin aldehyde	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES
Endrin ketone	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES
4,4'-DDT	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES
Methoxychlor	ND		ug/Kg	10	1	307262	02/10/23	02/13/23	MES
Toxaphene	ND		ug/Kg	100	1	307262	02/10/23	02/13/23	MES
Chlordane (Technical)	ND		ug/Kg	50	1	307262	02/10/23	02/13/23	MES
Surrogates				**Limits**					
TCMX	78%		%REC	23-120	1	307262	02/10/23	02/13/23	MES
Decachlorobiphenyl	69%		%REC	24-120	1	307262	02/10/23	02/13/23	MES

Sample ID: DP-23-043-4.0 **Lab ID: 479049-034** **Collected: 02/06/23 15:04**
Matrix: Soil

479049-034 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	**8.7**		mg/Kg	0.99	0.99	307203	02/09/23	02/11/23	SBW

Sample ID: DP-23-043-5.0 **Lab ID: 479049-035** **Collected: 02/06/23 15:05**
Matrix: Soil

479049-035 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	**1.4**		mg/Kg	0.97	0.97	307203	02/09/23	02/11/23	SBW
Method: EPA 8015B Prep Method: EPA 3580M									
TPH (C6-C12)	ND		mg/Kg	10	1	307285	02/10/23	02/10/23	SME
TPH (C13-C22)	ND		mg/Kg	10	1	307285	02/10/23	02/10/23	SME
TPH (C23-C44)	ND		mg/Kg	50	1	307285	02/10/23	02/10/23	SME
Surrogates				**Limits**					
n-Triacontane	99%		%REC	70-130	1	307285	02/10/23	02/10/23	SME

Sample ID: DP-23-043-7.5 **Lab ID: 479049-036** **Collected: 02/06/23 15:06**
Matrix: Soil

479049-036 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	**28**		mg/Kg	0.98	0.98	307203	02/09/23	02/11/23	SBW

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 479049

Sample ID: DP-23-043-10	Lab ID: 479049-037	Collected: 02/06/23 15:08
	Matrix: Soil	

479049-037 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8015B Prep Method: EPA 3580M									
TPH (C6-C12)	ND		mg/Kg	10	1	307285	02/10/23	02/11/23	SME
TPH (C13-C22)	ND		mg/Kg	10	1	307285	02/10/23	02/11/23	SME
TPH (C23-C44)	ND		mg/Kg	50	1	307285	02/10/23	02/11/23	SME
Surrogates				**Limits**					
n-Triacontane	95%		%REC	70-130	1	307285	02/10/23	02/11/23	SME

* Value is outside QC limits
B Contamination found in associated Method Blank
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID: QC1044411**	**Batch: 307185**
Matrix: Soil	**Method: EPA 6010B**	**Prep Method: EPA 3050B**

QC1044411 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Antimony	ND		mg/Kg	3.0	02/09/23	02/11/23
Arsenic	ND		mg/Kg	1.0	02/09/23	02/11/23
Barium	ND		mg/Kg	1.0	02/09/23	02/11/23
Beryllium	ND		mg/Kg	0.50	02/09/23	02/11/23
Cadmium	ND		mg/Kg	0.50	02/09/23	02/11/23
Chromium	ND		mg/Kg	1.0	02/09/23	02/11/23
Cobalt	ND		mg/Kg	0.50	02/09/23	02/11/23
Copper	ND		mg/Kg	1.0	02/09/23	02/11/23
Lead	ND		mg/Kg	1.0	02/09/23	02/11/23
Molybdenum	ND		mg/Kg	1.0	02/09/23	02/11/23
Nickel	ND		mg/Kg	1.0	02/09/23	02/11/23
Selenium	ND		mg/Kg	3.0	02/09/23	02/11/23
Silver	ND		mg/Kg	0.50	02/09/23	02/11/23
Thallium	ND		mg/Kg	3.0	02/09/23	02/11/23
Vanadium	ND		mg/Kg	1.0	02/09/23	02/11/23
Zinc	ND		mg/Kg	5.0	02/09/23	02/11/23

Type: Lab Control Sample	**Lab ID: QC1044412**	**Batch: 307185**
Matrix: Soil	**Method: EPA 6010B**	**Prep Method: EPA 3050B**

QC1044412 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Antimony	111.4	100.0	mg/Kg	111%		80-120
Arsenic	107.8	100.0	mg/Kg	108%		80-120
Barium	104.6	100.0	mg/Kg	105%		80-120
Beryllium	105.9	100.0	mg/Kg	106%		80-120
Cadmium	98.89	100.0	mg/Kg	99%		80-120
Chromium	95.89	100.0	mg/Kg	96%		80-120
Cobalt	107.5	100.0	mg/Kg	108%		80-120
Copper	90.38	100.0	mg/Kg	90%		80-120
Lead	104.9	100.0	mg/Kg	105%		80-120
Molybdenum	103.6	100.0	mg/Kg	104%		80-120
Nickel	105.2	100.0	mg/Kg	105%		80-120
Selenium	98.16	100.0	mg/Kg	98%	b	80-120
Silver	49.80	50.00	mg/Kg	100%		80-120
Thallium	93.68	100.0	mg/Kg	94%		80-120
Vanadium	101.7	100.0	mg/Kg	102%		80-120
Zinc	110.6	100.0	mg/Kg	111%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1044413	Batch:	307185
Matrix (Source ID):	Soil (479055-001)	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC1044413 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Antimony	43.92	ND	98.04	mg/Kg	45%	*	75-125	0.98
Arsenic	115.7	6.145	98.04	mg/Kg	112%		75-125	0.98
Barium	168.9	59.86	98.04	mg/Kg	111%		75-125	0.98
Beryllium	106.0	ND	98.04	mg/Kg	108%		75-125	0.98
Cadmium	101.1	ND	98.04	mg/Kg	103%		75-125	0.98
Chromium	105.6	12.50	98.04	mg/Kg	95%		75-125	0.98
Cobalt	110.7	6.229	98.04	mg/Kg	107%		75-125	0.98
Copper	109.2	10.61	98.04	mg/Kg	101%		75-125	0.98
Lead	118.1	13.15	98.04	mg/Kg	107%		75-125	0.98
Molybdenum	99.54	0.5162	98.04	mg/Kg	101%		75-125	0.98
Nickel	112.8	7.656	98.04	mg/Kg	107%		75-125	0.98
Selenium	102.8	ND	98.04	mg/Kg	105%	b	75-125	0.98
Silver	50.83	ND	49.02	mg/Kg	104%		75-125	0.98
Thallium	98.89	1.253	98.04	mg/Kg	100%		75-125	0.98
Vanadium	133.4	36.89	98.04	mg/Kg	98%		75-125	0.98
Zinc	157.7	51.89	98.04	mg/Kg	108%		75-125	0.98

Type:	Matrix Spike Duplicate	Lab ID:	QC1044414	Batch:	307185
Matrix (Source ID):	Soil (479055-001)	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC1044414 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Antimony	45.79	ND	96.15	mg/Kg	48%	*	75-125	6	41	0.96
Arsenic	116.3	6.145	96.15	mg/Kg	115%		75-125	2	35	0.96
Barium	169.3	59.86	96.15	mg/Kg	114%		75-125	1	20	0.96
Beryllium	103.0	ND	96.15	mg/Kg	107%		75-125	1	20	0.96
Cadmium	98.83	ND	96.15	mg/Kg	103%		75-125	0	20	0.96
Chromium	104.4	12.50	96.15	mg/Kg	96%		75-125	1	20	0.96
Cobalt	110.2	6.229	96.15	mg/Kg	108%		75-125	1	20	0.96
Copper	113.8	10.61	96.15	mg/Kg	107%		75-125	6	20	0.96
Lead	121.3	13.15	96.15	mg/Kg	112%		75-125	4	20	0.96
Molybdenum	98.74	0.5162	96.15	mg/Kg	102%		75-125	1	20	0.96
Nickel	110.4	7.656	96.15	mg/Kg	107%		75-125	0	20	0.96
Selenium	97.03	ND	96.15	mg/Kg	101%	b	75-125	4	20	0.96
Silver	49.54	ND	48.08	mg/Kg	103%		75-125	1	20	0.96
Thallium	97.33	1.253	96.15	mg/Kg	100%		75-125	0	20	0.96
Vanadium	150.8	36.89	96.15	mg/Kg	118%		75-125	14	20	0.96
Zinc	161.4	51.89	96.15	mg/Kg	114%		75-125	4	20	0.96

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID: QC1044461**	**Batch: 307203**
Matrix: Soil	**Method: EPA 6010B**	**Prep Method: EPA 3050B**

QC1044461 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Antimony	ND		mg/Kg	3.0	02/09/23	02/10/23
Arsenic	ND		mg/Kg	1.0	02/09/23	02/10/23
Barium	ND		mg/Kg	1.0	02/09/23	02/10/23
Beryllium	ND		mg/Kg	0.50	02/09/23	02/10/23
Cadmium	ND		mg/Kg	0.50	02/09/23	02/10/23
Chromium	ND		mg/Kg	1.0	02/09/23	02/10/23
Cobalt	ND		mg/Kg	0.50	02/09/23	02/10/23
Copper	ND		mg/Kg	1.0	02/09/23	02/10/23
Lead	ND		mg/Kg	1.0	02/09/23	02/11/23
Molybdenum	ND		mg/Kg	1.0	02/09/23	02/10/23
Nickel	ND		mg/Kg	1.0	02/09/23	02/10/23
Selenium	ND		mg/Kg	3.0	02/09/23	02/10/23
Silver	ND		mg/Kg	0.50	02/09/23	02/10/23
Thallium	ND		mg/Kg	3.0	02/09/23	02/10/23
Vanadium	ND		mg/Kg	1.0	02/09/23	02/10/23
Zinc	ND		mg/Kg	5.0	02/09/23	02/10/23

Type: Lab Control Sample	**Lab ID: QC1044462**	**Batch: 307203**
Matrix: Soil	**Method: EPA 6010B**	**Prep Method: EPA 3050B**

QC1044462 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Antimony	99.82	100.0	mg/Kg	100%		80-120
Arsenic	105.0	100.0	mg/Kg	105%		80-120
Barium	101.8	100.0	mg/Kg	102%		80-120
Beryllium	102.0	100.0	mg/Kg	102%		80-120
Cadmium	94.83	100.0	mg/Kg	95%		80-120
Chromium	93.23	100.0	mg/Kg	93%		80-120
Cobalt	103.0	100.0	mg/Kg	103%		80-120
Copper	85.58	100.0	mg/Kg	86%		80-120
Lead	100.0	100.0	mg/Kg	100%		80-120
Molybdenum	99.21	100.0	mg/Kg	99%		80-120
Nickel	100.4	100.0	mg/Kg	100%		80-120
Selenium	96.09	100.0	mg/Kg	96%	b	80-120
Silver	47.97	50.00	mg/Kg	96%		80-120
Thallium	89.83	100.0	mg/Kg	90%		80-120
Vanadium	96.14	100.0	mg/Kg	96%		80-120
Zinc	108.0	100.0	mg/Kg	108%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1044463	Batch:	307203
Matrix (Source ID):	Soil (479049-012)	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC1044463 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Antimony	37.78	1.364	96.15	mg/Kg	38%	*	75-125	0.96
Arsenic	100.7	0.8488	96.15	mg/Kg	104%		75-125	0.96
Barium	183.0	78.96	96.15	mg/Kg	108%		75-125	0.96
Beryllium	99.53	ND	96.15	mg/Kg	104%		75-125	0.96
Cadmium	94.11	ND	96.15	mg/Kg	98%		75-125	0.96
Chromium	105.4	14.43	96.15	mg/Kg	95%		75-125	0.96
Cobalt	103.6	4.850	96.15	mg/Kg	103%		75-125	0.96
Copper	100.5	6.992	96.15	mg/Kg	97%		75-125	0.96
Lead	101.4	3.443	96.15	mg/Kg	102%		75-125	0.96
Molybdenum	92.66	ND	96.15	mg/Kg	96%		75-125	0.96
Nickel	102.1	3.598	96.15	mg/Kg	102%		75-125	0.96
Selenium	96.02	ND	96.15	mg/Kg	100%	b	75-125	0.96
Silver	49.09	ND	48.08	mg/Kg	102%		75-125	0.96
Thallium	95.71	1.993	96.15	mg/Kg	97%		75-125	0.96
Vanadium	137.9	42.37	96.15	mg/Kg	99%		75-125	0.96
Zinc	130.4	26.28	96.15	mg/Kg	108%		75-125	0.96

Type:	Matrix Spike Duplicate	Lab ID:	QC1044464	Batch:	307203
Matrix (Source ID):	Soil (479049-012)	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC1044464 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Antimony	40.48	1.364	95.24	mg/Kg	41%	*	75-125	8	41	0.95
Arsenic	99.43	0.8488	95.24	mg/Kg	104%		75-125	0	35	0.95
Barium	181.4	78.96	95.24	mg/Kg	108%		75-125	0	20	0.95
Beryllium	94.89	ND	95.24	mg/Kg	100%		75-125	4	20	0.95
Cadmium	91.73	ND	95.24	mg/Kg	96%		75-125	2	20	0.95
Chromium	102.9	14.43	95.24	mg/Kg	93%		75-125	2	20	0.95
Cobalt	101.3	4.850	95.24	mg/Kg	101%		75-125	1	20	0.95
Copper	97.98	6.992	95.24	mg/Kg	96%		75-125	2	20	0.95
Lead	99.06	3.443	95.24	mg/Kg	100%		75-125	1	20	0.95
Molybdenum	91.45	ND	95.24	mg/Kg	96%		75-125	0	20	0.95
Nickel	99.13	3.598	95.24	mg/Kg	100%		75-125	2	20	0.95
Selenium	92.73	ND	95.24	mg/Kg	97%	b	75-125	3	20	0.95
Silver	47.72	ND	47.62	mg/Kg	100%		75-125	2	20	0.95
Thallium	93.44	1.993	95.24	mg/Kg	96%		75-125	1	20	0.95
Vanadium	134.8	42.37	95.24	mg/Kg	97%		75-125	2	20	0.95
Zinc	126.8	26.28	95.24	mg/Kg	106%		75-125	2	20	0.95

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Batch QC

Type: Blank	Lab ID: QC1044473	Batch: 307206
Matrix: Soil	Method: EPA 7471A	Prep Method: METHOD

QC1044473 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Mercury	ND		mg/Kg	0.14	02/09/23	02/13/23

Type: Lab Control Sample	Lab ID: QC1044474	Batch: 307206
Matrix: Soil	Method: EPA 7471A	Prep Method: METHOD

QC1044474 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Mercury	0.7666	0.8333	mg/Kg	92%		80-120

Type: Matrix Spike	Lab ID: QC1044475	Batch: 307206
Matrix (Source ID): Soil (479055-001)	Method: EPA 7471A	Prep Method: METHOD

QC1044475 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	0.8599	0.009059	0.9434	mg/Kg	90%		75-125	1.1

Type: Matrix Spike Duplicate	Lab ID: QC1044476	Batch: 307206
Matrix (Source ID): Soil (479055-001)	Method: EPA 7471A	Prep Method: METHOD

QC1044476 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	0.8622	0.009059	0.9091	mg/Kg	94%		75-125	4	20	1.1

Type: Blank	Lab ID: QC1044295	Batch: 307147
Matrix: Water	Method: EPA 8015B	Prep Method: EPA 3510C

QC1044295 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
TPH (C6-C12)	0.11		mg/L	0.10	02/09/23	02/10/23
TPH (C13-C22)	0.25		mg/L	0.10	02/09/23	02/10/23
TPH (C23-C44)	ND		mg/L	0.30	02/09/23	02/10/23
Surrogates				**Limits**		
n-Triacontane	10%	*	%REC	35-130	02/09/23	02/10/23

Type: Lab Control Sample	Lab ID: QC1044296	Batch: 307147
Matrix: Water	Method: EPA 8015B	Prep Method: EPA 3510C

QC1044296 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Diesel C10-C28	1.128	1.000	mg/L	113%		42-120
Surrogates						
n-Triacontane	0.002836	0.02000	mg/L	14%	*	35-130

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC1044297**	**Batch:**	**307147**
Matrix:	**Water**	**Method:**	**EPA 8015B**	**Prep Method:**	**EPA 3510C**

QC1044297 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Diesel C10-C28	1.083	1.000	mg/L	108%		42-120	4	36
Surrogates								
n-Triacontane	0.002916	0.02000	mg/L	15%	*	35-130		

Type:	**Blank**	**Lab ID:**	**QC1044718**	**Batch:**	**307285**
Matrix:	**Soil**	**Method:**	**EPA 8015B**	**Prep Method:**	**EPA 3580M**

QC1044718 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
TPH (C6-C12)	ND		mg/Kg	10	02/10/23	02/10/23
TPH (C13-C22)	ND		mg/Kg	10	02/10/23	02/10/23
TPH (C23-C44)	ND		mg/Kg	50	02/10/23	02/10/23
Surrogates				**Limits**		
n-Triacontane	107%		%REC	70-130	02/10/23	02/10/23

Type:	**Lab Control Sample**	**Lab ID:**	**QC1044719**	**Batch:**	**307285**
Matrix:	**Soil**	**Method:**	**EPA 8015B**	**Prep Method:**	**EPA 3580M**

QC1044719 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Diesel C10-C28	262.9	249.0	mg/Kg	106%		76-122
Surrogates						
n-Triacontane	10.52	9.960	mg/Kg	106%		70-130

Type:	**Matrix Spike**	**Lab ID:**	**QC1044720**	**Batch:**	**307285**
Matrix (Source ID):	**Soil (479106-001)**	**Method:**	**EPA 8015B**	**Prep Method:**	**EPA 3580M**

QC1044720 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Diesel C10-C28	271.4	269.3	249.4	mg/Kg	1%	*	62-126	2
Surrogates								
n-Triacontane	10.16		9.975	mg/Kg	102%		70-130	2

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1044721	Batch:	307285
Matrix (Source ID):	Soil (479106-001)	Method:	EPA 8015B	Prep Method:	EPA 3580M

QC1044721 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Diesel C10-C28	251.1	269.3	249.4	mg/Kg	-7%	*	62-126	8	35	2
Surrogates										
n-Triacontane	10.81		9.975	mg/Kg	108%		70-130			2

Type:	Blank	Lab ID:	QC1044767	Batch:	307262
Matrix:	Soil	Method:	EPA 8081A	Prep Method:	EPA 3546

QC1044767 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
alpha-BHC	ND		ug/Kg	4.9	02/10/23	02/14/23
beta-BHC	ND		ug/Kg	4.9	02/10/23	02/14/23
gamma-BHC	ND		ug/Kg	4.9	02/10/23	02/14/23
delta-BHC	ND		ug/Kg	4.9	02/10/23	02/14/23
Heptachlor	ND		ug/Kg	4.9	02/10/23	02/14/23
Aldrin	ND		ug/Kg	4.9	02/10/23	02/14/23
Heptachlor epoxide	ND		ug/Kg	4.9	02/10/23	02/14/23
Endosulfan I	ND		ug/Kg	4.9	02/10/23	02/14/23
Dieldrin	ND		ug/Kg	4.9	02/10/23	02/14/23
4,4'-DDE	ND		ug/Kg	4.9	02/10/23	02/14/23
Endrin	ND		ug/Kg	4.9	02/10/23	02/14/23
Endosulfan II	ND		ug/Kg	4.9	02/10/23	02/14/23
Endosulfan sulfate	ND		ug/Kg	4.9	02/10/23	02/14/23
4,4'-DDD	ND		ug/Kg	4.9	02/10/23	02/14/23
Endrin aldehyde	ND		ug/Kg	4.9	02/10/23	02/14/23
Endrin ketone	ND		ug/Kg	4.9	02/10/23	02/14/23
4,4'-DDT	ND		ug/Kg	4.9	02/10/23	02/14/23
Methoxychlor	ND		ug/Kg	20	02/10/23	02/14/23
Toxaphene	ND		ug/Kg	99	02/10/23	02/14/23
Chlordane (Technical)	ND		ug/Kg	49	02/10/23	02/14/23
Surrogates				**Limits**		
TCMX	83%		%REC	23-120	02/10/23	02/14/23
Decachlorobiphenyl	108%		%REC	24-120	02/10/23	02/14/23

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	**Lab ID: QC1044768**	**Batch: 307262**
Matrix: Soil	**Method: EPA 8081A**	**Prep Method: EPA 3546**

QC1044768 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
alpha-BHC	47.53	49.60	ug/Kg	96%		22-129
beta-BHC	48.35	49.60	ug/Kg	97%		28-125
gamma-BHC	48.31	49.60	ug/Kg	97%		22-128
delta-BHC	50.91	49.60	ug/Kg	103%		24-131
Heptachlor	46.57	49.60	ug/Kg	94%		18-124
Aldrin	43.40	49.60	ug/Kg	87%		23-120
Heptachlor epoxide	50.34	49.60	ug/Kg	101%		26-120
Endosulfan I	46.71	49.60	ug/Kg	94%		25-126
Dieldrin	52.61	49.60	ug/Kg	106%	#	23-124
4,4'-DDE	51.33	49.60	ug/Kg	103%		28-121
Endrin	54.12	49.60	ug/Kg	109%		25-127
Endosulfan II	52.92	49.60	ug/Kg	107%		29-121
Endosulfan sulfate	55.58	49.60	ug/Kg	112%	#	30-121
4,4'-DDD	53.39	49.60	ug/Kg	108%		26-120
Endrin aldehyde	38.29	49.60	ug/Kg	77%	#	10-120
Endrin ketone	56.48	49.60	ug/Kg	114%	#	28-125
4,4'-DDT	54.57	49.60	ug/Kg	110%	#	22-125
Methoxychlor	60.46	49.60	ug/Kg	122%	#	28-130
Surrogates						
TCMX	40.67	49.60	ug/Kg	82%		23-120
Decachlorobiphenyl	50.85	49.60	ug/Kg	103%		24-120

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC1044769**	**Batch:**	**307262**
Matrix (Source ID):	**Soil (479051-001)**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3546**

QC1044769 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
alpha-BHC	44.64	ND	49.90	ug/Kg	89%		46-120	5
beta-BHC	54.13	ND	49.90	ug/Kg	108%		41-120	5
gamma-BHC	46.51	ND	49.90	ug/Kg	93%		41-120	5
delta-BHC	48.77	ND	49.90	ug/Kg	98%		38-123	5
Heptachlor	48.72	ND	49.90	ug/Kg	98%		39-120	5
Aldrin	45.92	ND	49.90	ug/Kg	92%		34-120	5
Heptachlor epoxide	54.46	ND	49.90	ug/Kg	109%		43-120	5
Endosulfan I	52.18	ND	49.90	ug/Kg	105%		45-120	5
Dieldrin	53.85	ND	49.90	ug/Kg	108%	#	45-120	5
4,4'-DDE	54.86	ND	49.90	ug/Kg	110%		34-120	5
Endrin	57.84	ND	49.90	ug/Kg	116%		40-120	5
Endosulfan II	54.62	ND	49.90	ug/Kg	109%		41-120	5
Endosulfan sulfate	57.99	ND	49.90	ug/Kg	116%	#	42-120	5
4,4'-DDD	53.18	ND	49.90	ug/Kg	107%		41-120	5
Endrin aldehyde	50.61	ND	49.90	ug/Kg	101%	#	30-120	5
Endrin ketone	55.18	ND	49.90	ug/Kg	111%	#	45-120	5
4,4'-DDT	55.99	ND	49.90	ug/Kg	112%	#	35-127	5
Methoxychlor	104.6	ND	49.90	ug/Kg		DO	42-136	5
Surrogates								
TCMX	42.51		49.90	ug/Kg	85%		23-120	5
Decachlorobiphenyl	55.92		49.90	ug/Kg	112%		24-120	5

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1044770**	**Batch:**	**307262**
Matrix (Source ID):	**Soil (479051-001)**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3546**

QC1044770 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
alpha-BHC	40.93	ND	49.80	ug/Kg	82%		46-120	8	30	5
beta-BHC	50.62	ND	49.80	ug/Kg	102%		41-120	7	30	5
gamma-BHC	42.23	ND	49.80	ug/Kg	85%		41-120	9	30	5
delta-BHC	46.63	ND	49.80	ug/Kg	94%		38-123	4	30	5
Heptachlor	46.04	ND	49.80	ug/Kg	92%		39-120	5	30	5
Aldrin	45.12	ND	49.80	ug/Kg	91%		34-120	2	30	5
Heptachlor epoxide	52.25	ND	49.80	ug/Kg	105%		43-120	4	30	5
Endosulfan I	50.52	ND	49.80	ug/Kg	101%		45-120	3	30	5
Dieldrin	53.35	ND	49.80	ug/Kg	107%	#	45-120	1	30	5
4,4'-DDE	54.28	ND	49.80	ug/Kg	109%		34-120	1	30	5
Endrin	57.80	ND	49.80	ug/Kg	116%		40-120	0	30	5
Endosulfan II	54.74	ND	49.80	ug/Kg	110%		41-120	0	30	5
Endosulfan sulfate	55.13	ND	49.80	ug/Kg	111%	#	42-120	5	30	5
4,4'-DDD	53.45	ND	49.80	ug/Kg	107%		41-120	1	30	5
Endrin aldehyde	47.02	ND	49.80	ug/Kg	94%	#	30-120	7	30	5
Endrin ketone	55.49	ND	49.80	ug/Kg	111%	#	45-120	1	30	5
4,4'-DDT	54.49	ND	49.80	ug/Kg	109%	#	35-127	3	30	5
Methoxychlor	62.00	ND	49.80	ug/Kg		DO	42-136		30	5
Surrogates										
TCMX	38.42		49.80	ug/Kg	77%		23-120			5
Decachlorobiphenyl	53.54		49.80	ug/Kg	108%		24-120			5

Type:	**Lab Control Sample**	**Lab ID:**	**QC1044316**	**Batch:**	**307153**
Matrix:	**Water**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1044316 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	53.10	50.00	ug/L	106%		70-135
MTBE	52.30	50.00	ug/L	105%		70-130
Benzene	54.48	50.00	ug/L	109%		70-130
Trichloroethene	54.30	50.00	ug/L	109%		70-130
Toluene	54.86	50.00	ug/L	110%		70-130
Chlorobenzene	55.13	50.00	ug/L	110%		70-130
Surrogates						
Dibromofluoromethane	51.54	50.00	ug/L	103%		70-140
1,2-Dichloroethane-d4	49.95	50.00	ug/L	100%		70-140
Toluene-d8	49.80	50.00	ug/L	100%		70-140
Bromofluorobenzene	50.61	50.00	ug/L	101%		70-140

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Batch QC

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC1044317**	**Batch:**	**307153**
Matrix:	**Water**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1044317 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	51.82	50.00	ug/L	104%		70-135	2	30
MTBE	50.88	50.00	ug/L	102%		70-130	3	30
Benzene	52.89	50.00	ug/L	106%		70-130	3	30
Trichloroethene	52.62	50.00	ug/L	105%		70-130	3	30
Toluene	52.66	50.00	ug/L	105%		70-130	4	30
Chlorobenzene	52.55	50.00	ug/L	105%		70-130	5	30
Surrogates								
Dibromofluoromethane	52.61	50.00	ug/L	105%		70-140		
1,2-Dichloroethane-d4	50.27	50.00	ug/L	101%		70-140		
Toluene-d8	49.48	50.00	ug/L	99%		70-140		
Bromofluorobenzene	49.56	50.00	ug/L	99%		70-140		

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Batch QC

Type:	**Blank**	**Lab ID:**	**QC1044320**	**Batch:**	**307153**
Matrix:	**Water**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1044320 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Freon 12	ND		ug/L	0.5	02/09/23	02/09/23
Chloromethane	ND		ug/L	0.5	02/09/23	02/09/23
Vinyl Chloride	ND		ug/L	0.5	02/09/23	02/09/23
Bromomethane	ND		ug/L	1.0	02/09/23	02/09/23
Chloroethane	ND		ug/L	0.5	02/09/23	02/09/23
Trichlorofluoromethane	ND		ug/L	0.5	02/09/23	02/09/23
Acetone	ND		ug/L	25	02/09/23	02/09/23
Freon 113	ND		ug/L	0.5	02/09/23	02/09/23
1,1-Dichloroethene	ND		ug/L	0.5	02/09/23	02/09/23
Methylene Chloride	ND		ug/L	5.0	02/09/23	02/09/23
MTBE	ND		ug/L	0.5	02/09/23	02/09/23
trans-1,2-Dichloroethene	ND		ug/L	0.5	02/09/23	02/09/23
1,1-Dichloroethane	ND		ug/L	0.5	02/09/23	02/09/23
2-Butanone	ND		ug/L	5.0	02/09/23	02/09/23
cis-1,2-Dichloroethene	ND		ug/L	0.5	02/09/23	02/09/23
2,2-Dichloropropane	ND		ug/L	0.5	02/09/23	02/09/23
Chloroform	ND		ug/L	0.5	02/09/23	02/09/23
Bromochloromethane	ND		ug/L	0.5	02/09/23	02/09/23
1,1,1-Trichloroethane	ND		ug/L	0.5	02/09/23	02/09/23
1,1-Dichloropropene	ND		ug/L	0.5	02/09/23	02/09/23
Carbon Tetrachloride	ND		ug/L	0.5	02/09/23	02/09/23
1,2-Dichloroethane	ND		ug/L	0.5	02/09/23	02/09/23
Benzene	ND		ug/L	0.5	02/09/23	02/09/23
Trichloroethene	ND		ug/L	0.5	02/09/23	02/09/23
1,2-Dichloropropane	ND		ug/L	0.5	02/09/23	02/09/23
Bromodichloromethane	ND		ug/L	0.5	02/09/23	02/09/23
Dibromomethane	ND		ug/L	0.5	02/09/23	02/09/23
4-Methyl-2-Pentanone	ND		ug/L	5.0	02/09/23	02/09/23
cis-1,3-Dichloropropene	ND		ug/L	0.5	02/09/23	02/09/23
Toluene	ND		ug/L	0.5	02/09/23	02/09/23
trans-1,3-Dichloropropene	ND		ug/L	0.5	02/09/23	02/09/23
1,1,2-Trichloroethane	ND		ug/L	0.5	02/09/23	02/09/23
1,3-Dichloropropane	ND		ug/L	0.5	02/09/23	02/09/23
Tetrachloroethene	ND		ug/L	0.5	02/09/23	02/09/23
Dibromochloromethane	ND		ug/L	0.5	02/09/23	02/09/23
1,2-Dibromoethane	ND		ug/L	0.5	02/09/23	02/09/23
Chlorobenzene	ND		ug/L	0.5	02/09/23	02/09/23
1,1,1,2-Tetrachloroethane	ND		ug/L	0.5	02/09/23	02/09/23
Ethylbenzene	ND		ug/L	0.5	02/09/23	02/09/23
m,p-Xylenes	ND		ug/L	1.0	02/09/23	02/09/23
o-Xylene	ND		ug/L	0.5	02/09/23	02/09/23
Styrene	ND		ug/L	0.5	02/09/23	02/09/23

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Batch QC

QC1044320 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Bromoform	ND		ug/L	1.0	02/09/23	02/09/23
Propylbenzene	ND		ug/L	0.5	02/09/23	02/09/23
Isopropylbenzene	ND		ug/L	0.5	02/09/23	02/09/23
1,1,2,2-Tetrachloroethane	ND		ug/L	0.5	02/09/23	02/09/23
1,2,3-Trichloropropane	ND		ug/L	0.5	02/09/23	02/09/23
Bromobenzene	ND		ug/L	1.0	02/09/23	02/09/23
1,3,5-Trimethylbenzene	ND		ug/L	0.5	02/09/23	02/09/23
2-Chlorotoluene	ND		ug/L	0.5	02/09/23	02/09/23
4-Chlorotoluene	ND		ug/L	0.5	02/09/23	02/09/23
tert-Butylbenzene	ND		ug/L	0.5	02/09/23	02/09/23
1,2,4-Trimethylbenzene	ND		ug/L	0.5	02/09/23	02/09/23
sec-Butylbenzene	ND		ug/L	0.5	02/09/23	02/09/23
para-Isopropyl Toluene	ND		ug/L	0.5	02/09/23	02/09/23
1,3-Dichlorobenzene	ND		ug/L	0.5	02/09/23	02/09/23
1,4-Dichlorobenzene	ND		ug/L	0.5	02/09/23	02/09/23
n-Butylbenzene	ND		ug/L	0.5	02/09/23	02/09/23
1,2-Dichlorobenzene	ND		ug/L	0.5	02/09/23	02/09/23
1,2-Dibromo-3-Chloropropane	ND		ug/L	2.0	02/09/23	02/09/23
1,2,4-Trichlorobenzene	ND		ug/L	0.5	02/09/23	02/09/23
Hexachlorobutadiene	ND		ug/L	1.0	02/09/23	02/09/23
Naphthalene	ND		ug/L	0.5	02/09/23	02/09/23
1,2,3-Trichlorobenzene	ND		ug/L	0.5	02/09/23	02/09/23
cis-1,4-Dichloro-2-butene	ND		ug/L	1.0	02/09/23	02/09/23
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	02/09/23	02/09/23
Isopropyl Ether (DIPE)	ND		ug/L	0.5	02/09/23	02/09/23
Ethyl tert-Butyl Ether (ETBE)	ND		ug/L	0.5	02/09/23	02/09/23
tert-Butyl Alcohol (TBA)	ND		ug/L	10	02/09/23	02/09/23
Methyl tert-Amyl Ether (TAME)	ND		ug/L	0.5	02/09/23	02/09/23
Xylene (total)	ND		ug/L	0.5	02/09/23	02/09/23
Surrogates				**Limits**		
Dibromofluoromethane	104%		%REC	70-140	02/09/23	02/09/23
1,2-Dichloroethane-d4	101%		%REC	70-140	02/09/23	02/09/23
Toluene-d8	99%		%REC	70-140	02/09/23	02/09/23
Bromofluorobenzene	101%		%REC	70-140	02/09/23	02/09/23

CCV drift outside limits; average CCV drift within limits per method requirements
* Value is outside QC limits
DO Diluted Out
ND Not Detected
b See narrative

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

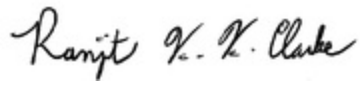
enthalpy.com

Lab Job Number: 479051
Report Level: II
Report Date: 02/14/2023

Analytical Report *prepared for:*

Chuck Houser
SCS Engineers
8799 Balboa #290
San Diego, CA 92123

Authorized for release by:



Ranjit K Clarke, Client Services Manager
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This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Chuck Houser
SCS Engineers
8799 Balboa #290
San Diego, CA 92123

Lab Job #: 479051
Date Received: 02/07/23

Sample ID	Lab ID	Collected	Matrix
A-23-11-0.5'	479051-001	02/06/23 10:21	Soil
A-23-11-2.5'	479051-002	02/06/23 10:25	Soil
A-23-11-5'	479051-003	02/06/23 10:30	Soil
A-23-11-7.5'	479051-004	02/06/23 10:40	Soil
A-23-11-10'	479051-005	02/06/23 10:50	Soil
A-23-14-0.5'	479051-006	02/06/23 13:30	Soil
A-23-14-2.5'	479051-007	02/06/23 13:40	Soil
A-23-14-5'	479051-008	02/06/23 13:46	Soil
A-23-14-7.5'	479051-009	02/06/23 13:57	Soil
A-23-14-10'	479051-010	02/06/23 14:00	Soil
A-23-13-0.5'	479051-011	02/06/23 08:45	Soil
A-23-13-2.5'	479051-012	02/06/23 08:50	Soil
A-23-13-5'	479051-013	02/06/23 08:55	Soil
A-23-13-7.5'	479051-014	02/06/23 09:00	Soil
A-23-13-10'	479051-015	02/06/23 09:05	Soil
A-23-13	479051-016	02/06/23 10:00	Water

ENTHALPY ANALYTICAL

Case Narrative

SCS Engineers
8799 Balboa #290
San Diego, CA 92123
Chuck Houser

Lab Job Number: 479051
Date Received: 02/07/23

This data package contains sample and QC results for fifteen soil samples and one water sample, requested for the above referenced project on 02/07/23. The samples were received cold and intact.

TPH-Extractables by GC (EPA 8015B) Water:

- Low surrogate recoveries were observed for n-triacontane in the method blank/BS/BSD for batch 307147.
- TPH (C13-C22) and TPH (C6-C12) were detected above the RL in the method blank for batch 307147.
- No other analytical problems were encountered.

TPH-Extractables by GC (EPA 8015B) Soil:
No analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B):
No analytical problems were encountered.

Pesticides (EPA 8081A):

- A-23-11-0.5' (lab # 479051-001) and A-23-14-0.5' (lab # 479051-006) were diluted due to the color of the sample extracts.
- No other analytical problems were encountered.

Metals (EPA 6010B and EPA 7471A):

- Low recoveries were observed for antimony in the MS/MSD of A-23-11-0.5' (lab # 479051-001); the LCS was within limits, and the associated RPD was within limits.
- No other analytical problems were encountered.

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Chain of Custody Record

Lab No: 479051

Page: 1 of 2

<<< Select a Laboratory >>>

#N/A

#N/A

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	SCS Engineers	Name:	
Report To:	Attention: Chuck Houser	Number:	
Email:	Chouser@scsengineers.com	P.O. #:	
Address:	8799 Balboa Avenue, Suite 290	Address:	
	San Diego, Ca		
Phone:	(619) 909-8315	Global ID:	
Fax:		Sampled By:	Rylan Faulkner

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Analysis Request: TPH 8015	Metals 6010	Lead 6010	OCPs 8081	VOCs 8260*	Test Instructions / Comments
1	A-23-11-0.5'	2/6/23	10:21am	Soil	1	ICE	X	X		X		Email to: Chouser@scsengineers.ca
2	A-23-11-2.5'		10:25am									
3	A-23-11-5'		10:30am						X			*VOCs dependent on TPH results for individual Samples 5:4/3:7 3:4/5:8
4	A-23-11-7.5'		10:40am				X		X			
5	A-23-11-10'		10:50am						X			
6	A-23-14-0.5'		1:30pm				X					
7	A-23-14-2.5'		1:40pm				X	X		X		
8	A-23-14-5'		1:46pm						X			
9	A-23-14-7.5'		1:57pm				X		X			
10	A-23-14-10'		2:00pm				X		X			

	Signature	Print Name	Company / Title	Date / T
1 Relinquished By:	Rylan Faulkner	Rylan Faulkner	SCS	
1 Received By:	Jennifer Bauer Morton	Jennifer Bauer Morton	SCS	2/7/23
2 Relinquished By:	Jennifer Bauer Morton	Jennifer Bauer Morton	SCS	
2 Received By:	Taylor Nash	TAYLOR NASH		
3 Relinquished By:	Taylor Nash	TAYLOR NASH		
3 Received By:				

Relinquished:

WO# 479051 EA 2-8-23 1715

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 479051

Page: 12 of 2

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

<<< Select a Laboratory >>>

#N/A

#N/A

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	SCS Engineers	Name:	
Report To:	~~Chris Crosby~~ Chueh Houser	Number:	
Email:	Ccrosby@scsengineers.com	P.O. #:	
Address:	8799 Balboa Avenue, Suite 290	Address:	
	San Diego, Ca		
Phone:	(619) 909-8315	Global ID:	
Fax:		Sampled By:	Rylan Funther

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	TPH GRO	TPH DRO	Metals LOQ	Lead LOQ	OCPs	VOCs 8260	Test Instructions / Comments
1	A-23-13-0.5'	2/6/23	8:45am	Soil	1	ICE	X	X		X			* VOCs dependant on TPH results for individual samples
2	A-23-13-2.5'		8:50am						X				
3	A-23-13-5'		8:55am				X		X				5:4/3.7
4	A-23-13-7.5'		9:00am						X				3:4/5.2
5	A-23-13-10'		9:05am				X						
6	A-23-13 [redacted]		10:00am	Water	4 VOA		X					X	
7	A-23-13 [redacted]				1 Amber		X						
8													
9													
10													

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Rylan Funther	SCS	2/6/23
1 Received By:		Jennifer Barnhart	SCS	2/7/23
2 Relinquished By:		Jennifer Barnhart	SCS	2/7/23 17:00
2 Received By:		TAYLOR NASH	EA-SD	2/7/23 1700
3 Relinquished By:		TAYLOR NASH	EA-SD	2/8/23 1145
3 Received By:		Alex Cota	EA SD	2/8/23 12:30

Relinquished: Alex Cota EA SD 2/8/23 17:15

EA NIOSH 2-8-23 17:15

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SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: SCS Engineers Project: _____

Date Received: 2/8/23 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 2 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 5.4 #2: 3.4 #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 3.7 #2: 5.8 #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✓
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?	✓		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?		✓	
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____ ☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 2-8-23

ENTHALPY ANALYTICAL

Analysis Results for 479051

Chuck Houser
SCS Engineers
8799 Balboa #290
San Diego, CA 92123

Lab Job #: 479051
Date Received: 02/07/23

Sample ID: A-23-11-0.5' **Lab ID: 479051-001** **Collected: 02/06/23 10:21**
Matrix: Soil

479051-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	2.9	0.95	307201	02/09/23	02/10/23	SBW
Arsenic	ND		mg/Kg	9.5	0.95	307201	02/09/23	02/10/23	SBW
Barium	**31**		mg/Kg	0.95	0.95	307201	02/09/23	02/10/23	SBW
Beryllium	ND		mg/Kg	0.48	0.95	307201	02/09/23	02/10/23	SBW
Cadmium	**0.48**		mg/Kg	0.48	0.95	307201	02/09/23	02/10/23	SBW
Chromium	**15**		mg/Kg	0.95	0.95	307201	02/09/23	02/10/23	SBW
Cobalt	**5.8**		mg/Kg	0.48	0.95	307201	02/09/23	02/10/23	SBW
Copper	**7.4**		mg/Kg	0.95	0.95	307201	02/09/23	02/10/23	SBW
Lead	**7.7**		mg/Kg	0.95	0.95	307201	02/09/23	02/10/23	SBW
Molybdenum	ND		mg/Kg	0.95	0.95	307201	02/09/23	02/10/23	SBW
Nickel	**7.9**		mg/Kg	0.95	0.95	307201	02/09/23	02/10/23	SBW
Selenium	ND		mg/Kg	2.9	0.95	307201	02/09/23	02/10/23	SBW
Silver	ND		mg/Kg	0.48	0.95	307201	02/09/23	02/10/23	SBW
Thallium	ND		mg/Kg	2.9	0.95	307201	02/09/23	02/10/23	SBW
Vanadium	**36**		mg/Kg	0.95	0.95	307201	02/09/23	02/10/23	SBW
Zinc	**44**		mg/Kg	4.8	0.95	307201	02/09/23	02/10/23	SBW
Method: EPA 7471A Prep Method: METHOD									
Mercury	ND		mg/Kg	0.16	1.1	307400	02/13/23	02/14/23	KAM
Method: EPA 8015B Prep Method: EPA 3580M									
TPH (C6-C12)	ND		mg/Kg	10	1	307269	02/10/23	02/10/23	SME
TPH (C13-C22)	ND		mg/Kg	10	1	307269	02/10/23	02/10/23	SME
TPH (C23-C44)	ND		mg/Kg	50	1	307269	02/10/23	02/10/23	SME
Surrogates				**Limits**					
n-Triacontane	106%		%REC	70-130	1	307269	02/10/23	02/10/23	SME
Method: EPA 8081A Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	25	5	307262	02/10/23	02/14/23	MES
beta-BHC	ND		ug/Kg	25	5	307262	02/10/23	02/14/23	MES
gamma-BHC	ND		ug/Kg	25	5	307262	02/10/23	02/14/23	MES
delta-BHC	ND		ug/Kg	25	5	307262	02/10/23	02/14/23	MES
Heptachlor	ND		ug/Kg	25	5	307262	02/10/23	02/14/23	MES
Aldrin	ND		ug/Kg	25	5	307262	02/10/23	02/14/23	MES
Heptachlor epoxide	ND		ug/Kg	25	5	307262	02/10/23	02/14/23	MES

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 479051

479051-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Endosulfan I	ND		ug/Kg	25	5	307262	02/10/23	02/14/23	MES
Dieldrin	ND		ug/Kg	25	5	307262	02/10/23	02/14/23	MES
4,4'-DDE	ND		ug/Kg	25	5	307262	02/10/23	02/14/23	MES
Endrin	ND		ug/Kg	25	5	307262	02/10/23	02/14/23	MES
Endosulfan II	ND		ug/Kg	25	5	307262	02/10/23	02/14/23	MES
Endosulfan sulfate	ND		ug/Kg	25	5	307262	02/10/23	02/14/23	MES
4,4'-DDD	ND		ug/Kg	25	5	307262	02/10/23	02/14/23	MES
Endrin aldehyde	ND		ug/Kg	25	5	307262	02/10/23	02/14/23	MES
Endrin ketone	ND		ug/Kg	25	5	307262	02/10/23	02/14/23	MES
4,4'-DDT	ND		ug/Kg	25	5	307262	02/10/23	02/14/23	MES
Methoxychlor	ND		ug/Kg	100	5	307262	02/10/23	02/14/23	MES
Toxaphene	ND		ug/Kg	500	5	307262	02/10/23	02/14/23	MES
Chlordane (Technical)	ND		ug/Kg	250	5	307262	02/10/23	02/14/23	MES
Surrogates				**Limits**					
TCMX	87%		%REC	23-120	5	307262	02/10/23	02/14/23	MES
Decachlorobiphenyl	115%		%REC	24-120	5	307262	02/10/23	02/14/23	MES

Sample ID: A-23-11-2.5' **Lab ID: 479051-002** **Collected: 02/06/23 10:25**
Matrix: Soil

479051-002 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	**5.0**		mg/Kg	0.98	0.98	307201	02/09/23	02/10/23	SBW

Sample ID: A-23-11-5' **Lab ID: 479051-003** **Collected: 02/06/23 10:30**
Matrix: Soil

479051-003 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	**6.6**		mg/Kg	0.96	0.96	307201	02/09/23	02/10/23	SBW
Method: EPA 8015B Prep Method: EPA 3580M									
TPH (C6-C12)	ND		mg/Kg	10	1	307269	02/10/23	02/10/23	SME
TPH (C13-C22)	ND		mg/Kg	10	1	307269	02/10/23	02/10/23	SME
TPH (C23-C44)	ND		mg/Kg	50	1	307269	02/10/23	02/10/23	SME
Surrogates				**Limits**					
n-Triacontane	106%		%REC	70-130	1	307269	02/10/23	02/10/23	SME

Results for any subcontracted analyses are not included in this section.

Analysis Results for 479051

Sample ID: A-23-11-7.5'	Lab ID: 479051-004	Collected: 02/06/23 10:40
	Matrix: Soil	

479051-004 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	**6.3**		mg/Kg	0.96	0.96	307201	02/09/23	02/10/23	SBW

Sample ID: A-23-11-10'	Lab ID: 479051-005	Collected: 02/06/23 10:50
	Matrix: Soil	

479051-005 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8015B Prep Method: EPA 3580M									
TPH (C6-C12)	ND		mg/Kg	10	1	307269	02/10/23	02/10/23	SME
TPH (C13-C22)	ND		mg/Kg	10	1	307269	02/10/23	02/10/23	SME
TPH (C23-C44)	ND		mg/Kg	50	1	307269	02/10/23	02/10/23	SME
Surrogates				**Limits**					
n-Triacontane	105%		%REC	70-130	1	307269	02/10/23	02/10/23	SME

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 479051

Sample ID: A-23-14-0.5'	Lab ID: 479051-006	Collected: 02/06/23 13:30
	Matrix: Soil	

479051-006 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	2.9	0.96	307201	02/09/23	02/10/23	SBW
Arsenic	ND		mg/Kg	9.6	0.96	307201	02/09/23	02/10/23	SBW
Barium	**130**		mg/Kg	0.96	0.96	307201	02/09/23	02/10/23	SBW
Beryllium	ND		mg/Kg	0.48	0.96	307201	02/09/23	02/10/23	SBW
Cadmium	ND		mg/Kg	0.48	0.96	307201	02/09/23	02/10/23	SBW
Chromium	**12**		mg/Kg	0.96	0.96	307201	02/09/23	02/10/23	SBW
Cobalt	**5.2**		mg/Kg	0.48	0.96	307201	02/09/23	02/10/23	SBW
Copper	**8.6**		mg/Kg	0.96	0.96	307201	02/09/23	02/10/23	SBW
Lead	**9.7**		mg/Kg	0.96	0.96	307201	02/09/23	02/10/23	SBW
Molybdenum	ND		mg/Kg	0.96	0.96	307201	02/09/23	02/10/23	SBW
Nickel	**5.7**		mg/Kg	0.96	0.96	307201	02/09/23	02/10/23	SBW
Selenium	ND		mg/Kg	2.9	0.96	307201	02/09/23	02/10/23	SBW
Silver	ND		mg/Kg	0.48	0.96	307201	02/09/23	02/10/23	SBW
Thallium	ND		mg/Kg	2.9	0.96	307201	02/09/23	02/10/23	SBW
Vanadium	**28**		mg/Kg	0.96	0.96	307201	02/09/23	02/10/23	SBW
Zinc	**32**		mg/Kg	4.8	0.96	307201	02/09/23	02/10/23	SBW
Method: EPA 7471A Prep Method: METHOD									
Mercury	ND		mg/Kg	0.16	1.1	307400	02/13/23	02/14/23	KAM
Method: EPA 8015B Prep Method: EPA 3580M									
TPH (C6-C12)	ND		mg/Kg	9.9	0.99	307269	02/10/23	02/10/23	SME
TPH (C13-C22)	ND		mg/Kg	9.9	0.99	307269	02/10/23	02/10/23	SME
TPH (C23-C44)	ND		mg/Kg	50	0.99	307269	02/10/23	02/10/23	SME
Surrogates				**Limits**					
n-Triacontane	103%		%REC	70-130	0.99	307269	02/10/23	02/10/23	SME
Method: EPA 8081A Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	9.9	2	307262	02/10/23	02/13/23	MES
beta-BHC	ND		ug/Kg	9.9	2	307262	02/10/23	02/13/23	MES
gamma-BHC	ND		ug/Kg	9.9	2	307262	02/10/23	02/13/23	MES
delta-BHC	ND		ug/Kg	9.9	2	307262	02/10/23	02/13/23	MES
Heptachlor	ND		ug/Kg	9.9	2	307262	02/10/23	02/13/23	MES
Aldrin	ND		ug/Kg	9.9	2	307262	02/10/23	02/13/23	MES
Heptachlor epoxide	ND		ug/Kg	9.9	2	307262	02/10/23	02/13/23	MES
Endosulfan I	ND		ug/Kg	9.9	2	307262	02/10/23	02/13/23	MES
Dieldrin	ND		ug/Kg	9.9	2	307262	02/10/23	02/13/23	MES
4,4'-DDE	ND		ug/Kg	9.9	2	307262	02/10/23	02/13/23	MES
Endrin	ND		ug/Kg	9.9	2	307262	02/10/23	02/13/23	MES
Endosulfan II	ND		ug/Kg	9.9	2	307262	02/10/23	02/13/23	MES

Results for any subcontracted analyses are not included in this section.

Analysis Results for 479051

479051-006 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Endosulfan sulfate	ND		ug/Kg	9.9	2	307262	02/10/23	02/13/23	MES
4,4'-DDD	ND		ug/Kg	9.9	2	307262	02/10/23	02/13/23	MES
Endrin aldehyde	ND		ug/Kg	9.9	2	307262	02/10/23	02/13/23	MES
Endrin ketone	ND		ug/Kg	9.9	2	307262	02/10/23	02/13/23	MES
4,4'-DDT	ND		ug/Kg	9.9	2	307262	02/10/23	02/13/23	MES
Methoxychlor	ND		ug/Kg	20	2	307262	02/10/23	02/13/23	MES
Toxaphene	ND		ug/Kg	200	2	307262	02/10/23	02/13/23	MES
Chlordane (Technical)	ND		ug/Kg	99	2	307262	02/10/23	02/13/23	MES
Surrogates				**Limits**					
TCMX	75%		%REC	23-120	2	307262	02/10/23	02/13/23	MES
Decachlorobiphenyl	70%		%REC	24-120	2	307262	02/10/23	02/13/23	MES

Sample ID: A-23-14-2.5' **Lab ID: 479051-007** **Collected: 02/06/23 13:40**
Matrix: Soil

479051-007 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	**8.1**		mg/Kg	0.98	0.98	307201	02/09/23	02/10/23	SBW

Sample ID: A-23-14-5' **Lab ID: 479051-008** **Collected: 02/06/23 13:46**
Matrix: Soil

479051-008 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	**8.1**		mg/Kg	0.95	0.95	307201	02/09/23	02/10/23	SBW
Method: EPA 8015B Prep Method: EPA 3580M									
TPH (C6-C12)	ND		mg/Kg	10	1	307269	02/10/23	02/10/23	SME
TPH (C13-C22)	ND		mg/Kg	10	1	307269	02/10/23	02/10/23	SME
TPH (C23-C44)	ND		mg/Kg	50	1	307269	02/10/23	02/10/23	SME
Surrogates				**Limits**					
n-Triacontane	108%		%REC	70-130	1	307269	02/10/23	02/10/23	SME

Sample ID: A-23-14-7.5' **Lab ID: 479051-009** **Collected: 02/06/23 13:57**
Matrix: Soil

479051-009 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	**2.9**		mg/Kg	0.96	0.96	307201	02/09/23	02/10/23	SBW

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 479051

Sample ID: A-23-14-10'	Lab ID: 479051-010	Collected: 02/06/23 14:00
	Matrix: Soil	

479051-010 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8015B Prep Method: EPA 3580M									
TPH (C6-C12)	ND		mg/Kg	9.9	0.99	307269	02/10/23	02/10/23	SME
TPH (C13-C22)	**170**		mg/Kg	9.9	0.99	307269	02/10/23	02/10/23	SME
TPH (C23-C44)	ND		mg/Kg	50	0.99	307269	02/10/23	02/10/23	SME
Surrogates				**Limits**					
n-Triacontane	96%		%REC	70-130	0.99	307269	02/10/23	02/10/23	SME

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 479051

Sample ID: A-23-13-0.5'	Lab ID: 479051-011	Collected: 02/06/23 08:45
	Matrix: Soil	

479051-011 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	2.9	0.96	307201	02/09/23	02/10/23	SBW
Arsenic	ND		mg/Kg	9.6	0.96	307201	02/09/23	02/10/23	SBW
Barium	**26**		mg/Kg	0.96	0.96	307201	02/09/23	02/10/23	SBW
Beryllium	ND		mg/Kg	0.48	0.96	307201	02/09/23	02/10/23	SBW
Cadmium	ND		mg/Kg	0.48	0.96	307201	02/09/23	02/10/23	SBW
Chromium	**14**		mg/Kg	0.96	0.96	307201	02/09/23	02/10/23	SBW
Cobalt	**4.4**		mg/Kg	0.48	0.96	307201	02/09/23	02/10/23	SBW
Copper	**11**		mg/Kg	0.96	0.96	307201	02/09/23	02/10/23	SBW
Lead	**8.2**		mg/Kg	0.96	0.96	307201	02/09/23	02/10/23	SBW
Molybdenum	ND		mg/Kg	0.96	0.96	307201	02/09/23	02/10/23	SBW
Nickel	**5.8**		mg/Kg	0.96	0.96	307201	02/09/23	02/10/23	SBW
Selenium	ND		mg/Kg	2.9	0.96	307201	02/09/23	02/10/23	SBW
Silver	ND		mg/Kg	0.48	0.96	307201	02/09/23	02/10/23	SBW
Thallium	ND		mg/Kg	2.9	0.96	307201	02/09/23	02/10/23	SBW
Vanadium	**32**		mg/Kg	0.96	0.96	307201	02/09/23	02/10/23	SBW
Zinc	**39**		mg/Kg	4.8	0.96	307201	02/09/23	02/10/23	SBW
Method: EPA 7471A Prep Method: METHOD									
Mercury	ND		mg/Kg	0.15	1.1	307400	02/13/23	02/14/23	KAM
Method: EPA 8015B Prep Method: EPA 3580M									
TPH (C6-C12)	ND		mg/Kg	10	1	307269	02/10/23	02/10/23	SME
TPH (C13-C22)	ND		mg/Kg	10	1	307269	02/10/23	02/10/23	SME
TPH (C23-C44)	ND		mg/Kg	50	1	307269	02/10/23	02/10/23	SME
Surrogates				**Limits**					
n-Triacontane	108%		%REC	70-130	1	307269	02/10/23	02/10/23	SME
Method: EPA 8081A Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	5.0	0.99	307262	02/10/23	02/13/23	MES
beta-BHC	ND		ug/Kg	5.0	0.99	307262	02/10/23	02/13/23	MES
gamma-BHC	ND		ug/Kg	5.0	0.99	307262	02/10/23	02/13/23	MES
delta-BHC	ND		ug/Kg	5.0	0.99	307262	02/10/23	02/13/23	MES
Heptachlor	ND		ug/Kg	5.0	0.99	307262	02/10/23	02/13/23	MES
Aldrin	ND		ug/Kg	5.0	0.99	307262	02/10/23	02/13/23	MES
Heptachlor epoxide	ND		ug/Kg	5.0	0.99	307262	02/10/23	02/13/23	MES
Endosulfan I	ND		ug/Kg	5.0	0.99	307262	02/10/23	02/13/23	MES
Dieldrin	ND		ug/Kg	5.0	0.99	307262	02/10/23	02/13/23	MES
4,4'-DDE	ND		ug/Kg	5.0	0.99	307262	02/10/23	02/13/23	MES
Endrin	ND		ug/Kg	5.0	0.99	307262	02/10/23	02/13/23	MES
Endosulfan II	ND		ug/Kg	5.0	0.99	307262	02/10/23	02/13/23	MES

Results for any subcontracted analyses are not included in this section.

Analysis Results for 479051

479051-011 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Endosulfan sulfate	ND		ug/Kg	5.0	0.99	307262	02/10/23	02/13/23	MES
4,4'-DDD	ND		ug/Kg	5.0	0.99	307262	02/10/23	02/13/23	MES
Endrin aldehyde	ND		ug/Kg	5.0	0.99	307262	02/10/23	02/13/23	MES
Endrin ketone	ND		ug/Kg	5.0	0.99	307262	02/10/23	02/13/23	MES
4,4'-DDT	ND		ug/Kg	5.0	0.99	307262	02/10/23	02/13/23	MES
Methoxychlor	ND		ug/Kg	9.9	0.99	307262	02/10/23	02/13/23	MES
Toxaphene	ND		ug/Kg	99	0.99	307262	02/10/23	02/13/23	MES
Chlordane (Technical)	ND		ug/Kg	50	0.99	307262	02/10/23	02/13/23	MES
Surrogates				**Limits**					
TCMX	69%		%REC	23-120	0.99	307262	02/10/23	02/13/23	MES
Decachlorobiphenyl	57%		%REC	24-120	0.99	307262	02/10/23	02/13/23	MES

Sample ID: A-23-13-2.5' **Lab ID: 479051-012** **Collected: 02/06/23 08:50**
Matrix: Soil

479051-012 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	**7.2**		mg/Kg	0.96	0.96	307201	02/09/23	02/10/23	SBW

Sample ID: A-23-13-5' **Lab ID: 479051-013** **Collected: 02/06/23 08:55**
Matrix: Soil

479051-013 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	**4.2**		mg/Kg	0.96	0.96	307201	02/09/23	02/10/23	SBW
Method: EPA 8015B Prep Method: EPA 3580M									
TPH (C6-C12)	ND		mg/Kg	10	1	307269	02/10/23	02/10/23	SME
TPH (C13-C22)	ND		mg/Kg	10	1	307269	02/10/23	02/10/23	SME
TPH (C23-C44)	ND		mg/Kg	50	1	307269	02/10/23	02/10/23	SME
Surrogates				**Limits**					
n-Triacontane	105%		%REC	70-130	1	307269	02/10/23	02/10/23	SME

Sample ID: A-23-13-7.5' **Lab ID: 479051-014** **Collected: 02/06/23 09:00**
Matrix: Soil

479051-014 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	**5.2**		mg/Kg	0.97	0.97	307201	02/09/23	02/10/23	SBW

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 479051

Sample ID: A-23-13-10'	Lab ID: 479051-015	Collected: 02/06/23 09:05
	Matrix: Soil	

479051-015 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8015B Prep Method: EPA 3580M									
TPH (C6-C12)	ND		mg/Kg	9.9	0.99	307269	02/10/23	02/10/23	SME
TPH (C13-C22)	ND		mg/Kg	9.9	0.99	307269	02/10/23	02/10/23	SME
TPH (C23-C44)	ND		mg/Kg	50	0.99	307269	02/10/23	02/10/23	SME
Surrogates				**Limits**					
n-Triacontane	104%		%REC	70-130	0.99	307269	02/10/23	02/10/23	SME

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 479051

Sample ID: A-23-13	Lab ID: 479051-016	Collected: 02/06/23 10:00
	Matrix: Water	

479051-016 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8015B Prep Method: EPA 3510C									
TPH (C6-C12)	ND		mg/L	0.58	5.8	307147	02/09/23	02/10/23	BJG
TPH (C13-C22)	**0.60**	B	mg/L	0.58	5.8	307147	02/09/23	02/10/23	BJG
TPH (C23-C44)	ND		mg/L	1.7	5.8	307147	02/09/23	02/10/23	BJG
Surrogates				**Limits**					
n-Triacontane	84%		%REC	35-130	5.8	307147	02/09/23	02/10/23	BJG
Method: EPA 8260B Prep Method: EPA 5030B									
Freon 12	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
Chloromethane	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
Vinyl Chloride	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
Bromomethane	ND		ug/L	1.0	1	307153	02/09/23	02/09/23	ILK
Chloroethane	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
Trichlorofluoromethane	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
Acetone	ND		ug/L	25	1	307153	02/09/23	02/09/23	ILK
Freon 113	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
1,1-Dichloroethene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
Methylene Chloride	ND		ug/L	5.0	1	307153	02/09/23	02/09/23	ILK
MTBE	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
trans-1,2-Dichloroethene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
1,1-Dichloroethane	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
2-Butanone	ND		ug/L	5.0	1	307153	02/09/23	02/09/23	ILK
cis-1,2-Dichloroethene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
2,2-Dichloropropane	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
Chloroform	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
Bromochloromethane	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
1,1,1-Trichloroethane	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
1,1-Dichloropropene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
Carbon Tetrachloride	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
1,2-Dichloroethane	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
Benzene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
Trichloroethene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
1,2-Dichloropropane	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
Bromodichloromethane	**0.5**		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
Dibromomethane	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
4-Methyl-2-Pentanone	ND		ug/L	5.0	1	307153	02/09/23	02/09/23	ILK
cis-1,3-Dichloropropene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
Toluene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
trans-1,3-Dichloropropene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
1,1,2-Trichloroethane	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
1,3-Dichloropropane	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 479051

479051-016 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Tetrachloroethene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
Dibromochloromethane	**0.9**		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
1,2-Dibromoethane	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
Chlorobenzene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
1,1,1,2-Tetrachloroethane	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
Ethylbenzene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
m,p-Xylenes	ND		ug/L	1.0	1	307153	02/09/23	02/09/23	ILK
o-Xylene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
Styrene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
Bromoform	ND		ug/L	1.0	1	307153	02/09/23	02/09/23	ILK
Propylbenzene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
Isopropylbenzene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
1,1,2,2-Tetrachloroethane	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
1,2,3-Trichloropropane	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
Bromobenzene	ND		ug/L	1.0	1	307153	02/09/23	02/09/23	ILK
1,3,5-Trimethylbenzene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
2-Chlorotoluene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
4-Chlorotoluene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
tert-Butylbenzene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
1,2,4-Trimethylbenzene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
sec-Butylbenzene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
para-Isopropyl Toluene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
1,3-Dichlorobenzene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
1,4-Dichlorobenzene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
n-Butylbenzene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
1,2-Dichlorobenzene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
1,2-Dibromo-3-Chloropropane	ND		ug/L	2.0	1	307153	02/09/23	02/09/23	ILK
1,2,4-Trichlorobenzene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
Hexachlorobutadiene	ND		ug/L	1.0	1	307153	02/09/23	02/09/23	ILK
Naphthalene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
1,2,3-Trichlorobenzene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
cis-1,4-Dichloro-2-butene	ND		ug/L	1.0	1	307153	02/09/23	02/09/23	ILK
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1	307153	02/09/23	02/09/23	ILK
Isopropyl Ether (DIPE)	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
Ethyl tert-Butyl Ether (ETBE)	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
tert-Butyl Alcohol (TBA)	ND		ug/L	10	1	307153	02/09/23	02/09/23	ILK
Methyl tert-Amyl Ether (TAME)	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
Xylene (total)	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
Surrogates				**Limits**					
Dibromofluoromethane	106%		%REC	70-140	1	307153	02/09/23	02/09/23	ILK
1,2-Dichloroethane-d4	104%		%REC	70-140	1	307153	02/09/23	02/09/23	ILK
Toluene-d8	98%		%REC	70-140	1	307153	02/09/23	02/09/23	ILK
Bromofluorobenzene	102%		%REC	70-140	1	307153	02/09/23	02/09/23	ILK

Results for any subcontracted analyses are not included in this section.

Analysis Results for 479051

B Contamination found in associated Method Blank
ND Not Detected

Results for any subcontracted analyses are not included in this section.

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Batch QC

Type: Blank	**Lab ID: QC1044456**	**Batch: 307201**
Matrix: Soil	**Method: EPA 6010B**	**Prep Method: EPA 3050B**

QC1044456 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Antimony	ND		mg/Kg	3.0	02/09/23	02/10/23
Arsenic	ND		mg/Kg	10	02/09/23	02/10/23
Barium	ND		mg/Kg	1.0	02/09/23	02/10/23
Beryllium	ND		mg/Kg	0.50	02/09/23	02/10/23
Cadmium	ND		mg/Kg	0.50	02/09/23	02/10/23
Chromium	ND		mg/Kg	1.0	02/09/23	02/10/23
Cobalt	ND		mg/Kg	0.50	02/09/23	02/10/23
Copper	ND		mg/Kg	1.0	02/09/23	02/10/23
Lead	ND		mg/Kg	1.0	02/09/23	02/10/23
Molybdenum	ND		mg/Kg	1.0	02/09/23	02/10/23
Nickel	ND		mg/Kg	1.0	02/09/23	02/10/23
Selenium	ND		mg/Kg	3.0	02/09/23	02/10/23
Silver	ND		mg/Kg	0.50	02/09/23	02/10/23
Thallium	ND		mg/Kg	3.0	02/09/23	02/10/23
Vanadium	ND		mg/Kg	1.0	02/09/23	02/10/23
Zinc	ND		mg/Kg	5.0	02/09/23	02/10/23

Type: Lab Control Sample	**Lab ID: QC1044457**	**Batch: 307201**
Matrix: Soil	**Method: EPA 6010B**	**Prep Method: EPA 3050B**

QC1044457 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Antimony	92.51	100.0	mg/Kg	93%		80-120
Arsenic	86.76	100.0	mg/Kg	87%		80-120
Barium	90.47	100.0	mg/Kg	90%		80-120
Beryllium	90.42	100.0	mg/Kg	90%		80-120
Cadmium	91.14	100.0	mg/Kg	91%		80-120
Chromium	89.24	100.0	mg/Kg	89%		80-120
Cobalt	93.50	100.0	mg/Kg	93%		80-120
Copper	84.54	100.0	mg/Kg	85%		80-120
Lead	102.5	100.0	mg/Kg	102%		80-120
Molybdenum	91.92	100.0	mg/Kg	92%		80-120
Nickel	89.83	100.0	mg/Kg	90%		80-120
Selenium	80.99	100.0	mg/Kg	81%		80-120
Silver	40.31	50.00	mg/Kg	81%		80-120
Thallium	89.08	100.0	mg/Kg	89%		80-120
Vanadium	88.64	100.0	mg/Kg	89%		80-120
Zinc	88.89	100.0	mg/Kg	89%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC1044458**	**Batch:**	**307201**
Matrix (Source ID):	**Soil (479051-001)**	**Method:**	**EPA 6010B**	**Prep Method:**	**EPA 3050B**

QC1044458 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Antimony	48.21	ND	98.04	mg/Kg	49%	*	75-125	0.98
Arsenic	101.7	5.401	98.04	mg/Kg	98%		75-125	0.98
Barium	131.0	30.93	98.04	mg/Kg	102%		75-125	0.98
Beryllium	99.12	0.3048	98.04	mg/Kg	101%		75-125	0.98
Cadmium	98.29	0.4828	98.04	mg/Kg	100%		75-125	0.98
Chromium	111.7	15.38	98.04	mg/Kg	98%		75-125	0.98
Cobalt	105.6	5.751	98.04	mg/Kg	102%		75-125	0.98
Copper	102.8	7.354	98.04	mg/Kg	97%		75-125	0.98
Lead	107.0	7.718	98.04	mg/Kg	101%		75-125	0.98
Molybdenum	95.86	0.6376	98.04	mg/Kg	97%		75-125	0.98
Nickel	104.8	7.879	98.04	mg/Kg	99%		75-125	0.98
Selenium	87.25	ND	98.04	mg/Kg	89%		75-125	0.98
Silver	43.12	ND	49.02	mg/Kg	88%		75-125	0.98
Thallium	94.91	ND	98.04	mg/Kg	97%		75-125	0.98
Vanadium	131.6	36.29	98.04	mg/Kg	97%		75-125	0.98
Zinc	140.9	44.38	98.04	mg/Kg	98%		75-125	0.98

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1044459**	**Batch:**	**307201**
Matrix (Source ID):	**Soil (479051-001)**	**Method:**	**EPA 6010B**	**Prep Method:**	**EPA 3050B**

QC1044459 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Antimony	50.69	ND	98.04	mg/Kg	52%	*	75-125	5	41	0.98
Arsenic	99.83	5.401	98.04	mg/Kg	96%		75-125	2	35	0.98
Barium	128.3	30.93	98.04	mg/Kg	99%		75-125	2	20	0.98
Beryllium	97.00	0.3048	98.04	mg/Kg	99%		75-125	2	20	0.98
Cadmium	96.01	0.4828	98.04	mg/Kg	97%		75-125	2	20	0.98
Chromium	110.3	15.38	98.04	mg/Kg	97%		75-125	1	20	0.98
Cobalt	102.6	5.751	98.04	mg/Kg	99%		75-125	3	20	0.98
Copper	100.4	7.354	98.04	mg/Kg	95%		75-125	2	20	0.98
Lead	107.2	7.718	98.04	mg/Kg	101%		75-125	0	20	0.98
Molybdenum	96.78	0.6376	98.04	mg/Kg	98%		75-125	1	20	0.98
Nickel	102.4	7.879	98.04	mg/Kg	96%		75-125	2	20	0.98
Selenium	88.39	ND	98.04	mg/Kg	90%		75-125	1	20	0.98
Silver	42.22	ND	49.02	mg/Kg	86%		75-125	2	20	0.98
Thallium	95.11	ND	98.04	mg/Kg	97%		75-125	0	20	0.98
Vanadium	129.4	36.29	98.04	mg/Kg	95%		75-125	2	20	0.98
Zinc	135.9	44.38	98.04	mg/Kg	93%		75-125	4	20	0.98

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1045137	Batch: 307400
Matrix: Soil	Method: EPA 7471A	Prep Method: METHOD

QC1045137 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Mercury	ND		mg/Kg	0.14	02/13/23	02/14/23

Type: Lab Control Sample	Lab ID: QC1045138	Batch: 307400
Matrix: Soil	Method: EPA 7471A	Prep Method: METHOD

QC1045138 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Mercury	0.8021	0.8333	mg/Kg	96%		80-120

Type: Matrix Spike	Lab ID: QC1045139	Batch: 307400
Matrix (Source ID): Soil (479053-001)	Method: EPA 7471A	Prep Method: METHOD

QC1045139 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	0.7566	ND	0.8929	mg/Kg	85%		75-125	1.1

Type: Matrix Spike Duplicate	Lab ID: QC1045140	Batch: 307400
Matrix (Source ID): Soil (479053-001)	Method: EPA 7471A	Prep Method: METHOD

QC1045140 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	0.7691	ND	0.9434	mg/Kg	82%		75-125	4	20	1.1

Type: Blank	Lab ID: QC1044295	Batch: 307147
Matrix: Water	Method: EPA 8015B	Prep Method: EPA 3510C

QC1044295 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
TPH (C6-C12)	0.11		mg/L	0.10	02/09/23	02/10/23
TPH (C13-C22)	0.25		mg/L	0.10	02/09/23	02/10/23
TPH (C23-C44)	ND		mg/L	0.30	02/09/23	02/10/23
Surrogates				**Limits**		
n-Triacontane	10%	*	%REC	35-130	02/09/23	02/10/23

Type: Lab Control Sample	Lab ID: QC1044296	Batch: 307147
Matrix: Water	Method: EPA 8015B	Prep Method: EPA 3510C

QC1044296 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Diesel C10-C28	1.128	1.000	mg/L	113%		42-120
Surrogates						
n-Triacontane	0.002836	0.02000	mg/L	14%	*	35-130

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Batch QC

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC1044297**	**Batch:**	**307147**
Matrix:	**Water**	**Method:**	**EPA 8015B**	**Prep Method:**	**EPA 3510C**

QC1044297 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Diesel C10-C28	1.083	1.000	mg/L	108%		42-120	4	36
Surrogates								
n-Triacontane	0.002916	0.02000	mg/L	15%	*	35-130		

Type:	**Blank**	**Lab ID:**	**QC1044669**	**Batch:**	**307269**
Matrix:	**Soil**	**Method:**	**EPA 8015B**	**Prep Method:**	**EPA 3580M**

QC1044669 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
TPH (C6-C12)	ND		mg/Kg	10	02/10/23	02/10/23
TPH (C13-C22)	ND		mg/Kg	10	02/10/23	02/10/23
TPH (C23-C44)	ND		mg/Kg	50	02/10/23	02/10/23
Surrogates				**Limits**		
n-Triacontane	107%		%REC	70-130	02/10/23	02/10/23

Type:	**Lab Control Sample**	**Lab ID:**	**QC1044670**	**Batch:**	**307269**
Matrix:	**Soil**	**Method:**	**EPA 8015B**	**Prep Method:**	**EPA 3580M**

QC1044670 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Diesel C10-C28	228.6	250.0	mg/Kg	91%		76-122
Surrogates						
n-Triacontane	10.48	10.00	mg/Kg	105%		70-130

Type:	**Matrix Spike**	**Lab ID:**	**QC1044671**	**Batch:**	**307269**
Matrix (Source ID):	**Soil (479051-001)**	**Method:**	**EPA 8015B**	**Prep Method:**	**EPA 3580M**

QC1044671 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Diesel C10-C28	244.5	ND	247.6	mg/Kg	99%		62-126	0.99
Surrogates								
n-Triacontane	10.72		9.906	mg/Kg	108%		70-130	0.99

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1044672	Batch:	307269
Matrix (Source ID):	Soil (479051-001)	Method:	EPA 8015B	Prep Method:	EPA 3580M

QC1044672 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Diesel C10-C28	221.0	ND	247.6	mg/Kg	89%		62-126	10	35	0.99
Surrogates										
n-Triacontane	10.08		9.906	mg/Kg	102%		70-130			0.99

Type:	Blank	Lab ID:	QC1044767	Batch:	307262
Matrix:	Soil	Method:	EPA 8081A	Prep Method:	EPA 3546

QC1044767 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
alpha-BHC	ND		ug/Kg	4.9	02/10/23	02/14/23
beta-BHC	ND		ug/Kg	4.9	02/10/23	02/14/23
gamma-BHC	ND		ug/Kg	4.9	02/10/23	02/14/23
delta-BHC	ND		ug/Kg	4.9	02/10/23	02/14/23
Heptachlor	ND		ug/Kg	4.9	02/10/23	02/14/23
Aldrin	ND		ug/Kg	4.9	02/10/23	02/14/23
Heptachlor epoxide	ND		ug/Kg	4.9	02/10/23	02/14/23
Endosulfan I	ND		ug/Kg	4.9	02/10/23	02/14/23
Dieldrin	ND		ug/Kg	4.9	02/10/23	02/14/23
4,4'-DDE	ND		ug/Kg	4.9	02/10/23	02/14/23
Endrin	ND		ug/Kg	4.9	02/10/23	02/14/23
Endosulfan II	ND		ug/Kg	4.9	02/10/23	02/14/23
Endosulfan sulfate	ND		ug/Kg	4.9	02/10/23	02/14/23
4,4'-DDD	ND		ug/Kg	4.9	02/10/23	02/14/23
Endrin aldehyde	ND		ug/Kg	4.9	02/10/23	02/14/23
Endrin ketone	ND		ug/Kg	4.9	02/10/23	02/14/23
4,4'-DDT	ND		ug/Kg	4.9	02/10/23	02/14/23
Methoxychlor	ND		ug/Kg	20	02/10/23	02/14/23
Toxaphene	ND		ug/Kg	99	02/10/23	02/14/23
Chlordane (Technical)	ND		ug/Kg	49	02/10/23	02/14/23
Surrogates				**Limits**		
TCMX	83%		%REC	23-120	02/10/23	02/14/23
Decachlorobiphenyl	108%		%REC	24-120	02/10/23	02/14/23

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Batch QC

Type: Lab Control Sample	**Lab ID: QC1044768**	**Batch: 307262**
Matrix: Soil	**Method: EPA 8081A**	**Prep Method: EPA 3546**

QC1044768 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
alpha-BHC	47.53	49.60	ug/Kg	96%		22-129
beta-BHC	48.35	49.60	ug/Kg	97%		28-125
gamma-BHC	48.31	49.60	ug/Kg	97%		22-128
delta-BHC	50.91	49.60	ug/Kg	103%		24-131
Heptachlor	46.57	49.60	ug/Kg	94%		18-124
Aldrin	43.40	49.60	ug/Kg	87%		23-120
Heptachlor epoxide	50.34	49.60	ug/Kg	101%		26-120
Endosulfan I	46.71	49.60	ug/Kg	94%		25-126
Dieldrin	52.61	49.60	ug/Kg	106%	#	23-124
4,4'-DDE	51.33	49.60	ug/Kg	103%		28-121
Endrin	54.12	49.60	ug/Kg	109%		25-127
Endosulfan II	52.92	49.60	ug/Kg	107%		29-121
Endosulfan sulfate	55.58	49.60	ug/Kg	112%	#	30-121
4,4'-DDD	53.39	49.60	ug/Kg	108%		26-120
Endrin aldehyde	38.29	49.60	ug/Kg	77%	#	10-120
Endrin ketone	56.48	49.60	ug/Kg	114%	#	28-125
4,4'-DDT	54.57	49.60	ug/Kg	110%	#	22-125
Methoxychlor	60.46	49.60	ug/Kg	122%	#	28-130
Surrogates						
TCMX	40.67	49.60	ug/Kg	82%		23-120
Decachlorobiphenyl	50.85	49.60	ug/Kg	103%		24-120

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC1044769**	**Batch:**	**307262**
Matrix (Source ID):	**Soil (479051-001)**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3546**

QC1044769 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
alpha-BHC	44.64	ND	49.90	ug/Kg	89%		46-120	5
beta-BHC	54.13	ND	49.90	ug/Kg	108%		41-120	5
gamma-BHC	46.51	ND	49.90	ug/Kg	93%		41-120	5
delta-BHC	48.77	ND	49.90	ug/Kg	98%		38-123	5
Heptachlor	48.72	ND	49.90	ug/Kg	98%		39-120	5
Aldrin	45.92	ND	49.90	ug/Kg	92%		34-120	5
Heptachlor epoxide	54.46	ND	49.90	ug/Kg	109%		43-120	5
Endosulfan I	52.18	ND	49.90	ug/Kg	105%		45-120	5
Dieldrin	53.85	ND	49.90	ug/Kg	108%	#	45-120	5
4,4'-DDE	54.86	ND	49.90	ug/Kg	110%		34-120	5
Endrin	57.84	ND	49.90	ug/Kg	116%		40-120	5
Endosulfan II	54.62	ND	49.90	ug/Kg	109%		41-120	5
Endosulfan sulfate	57.99	ND	49.90	ug/Kg	116%	#	42-120	5
4,4'-DDD	53.18	ND	49.90	ug/Kg	107%		41-120	5
Endrin aldehyde	50.61	ND	49.90	ug/Kg	101%	#	30-120	5
Endrin ketone	55.18	ND	49.90	ug/Kg	111%	#	45-120	5
4,4'-DDT	55.99	ND	49.90	ug/Kg	112%	#	35-127	5
Methoxychlor	104.6	ND	49.90	ug/Kg		DO	42-136	5
Surrogates								
TCMX	42.51		49.90	ug/Kg	85%		23-120	5
Decachlorobiphenyl	55.92		49.90	ug/Kg	112%		24-120	5

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Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1044770**	**Batch:**	**307262**
Matrix (Source ID):	**Soil (479051-001)**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3546**

QC1044770 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
alpha-BHC	40.93	ND	49.80	ug/Kg	82%		46-120	8	30	5
beta-BHC	50.62	ND	49.80	ug/Kg	102%		41-120	7	30	5
gamma-BHC	42.23	ND	49.80	ug/Kg	85%		41-120	9	30	5
delta-BHC	46.63	ND	49.80	ug/Kg	94%		38-123	4	30	5
Heptachlor	46.04	ND	49.80	ug/Kg	92%		39-120	5	30	5
Aldrin	45.12	ND	49.80	ug/Kg	91%		34-120	2	30	5
Heptachlor epoxide	52.25	ND	49.80	ug/Kg	105%		43-120	4	30	5
Endosulfan I	50.52	ND	49.80	ug/Kg	101%		45-120	3	30	5
Dieldrin	53.35	ND	49.80	ug/Kg	107%	#	45-120	1	30	5
4,4'-DDE	54.28	ND	49.80	ug/Kg	109%		34-120	1	30	5
Endrin	57.80	ND	49.80	ug/Kg	116%		40-120	0	30	5
Endosulfan II	54.74	ND	49.80	ug/Kg	110%		41-120	0	30	5
Endosulfan sulfate	55.13	ND	49.80	ug/Kg	111%	#	42-120	5	30	5
4,4'-DDD	53.45	ND	49.80	ug/Kg	107%		41-120	1	30	5
Endrin aldehyde	47.02	ND	49.80	ug/Kg	94%	#	30-120	7	30	5
Endrin ketone	55.49	ND	49.80	ug/Kg	111%	#	45-120	1	30	5
4,4'-DDT	54.49	ND	49.80	ug/Kg	109%	#	35-127	3	30	5
Methoxychlor	62.00	ND	49.80	ug/Kg		DO	42-136		30	5
Surrogates										
TCMX	38.42		49.80	ug/Kg	77%		23-120			5
Decachlorobiphenyl	53.54		49.80	ug/Kg	108%		24-120			5

Type:	**Lab Control Sample**	**Lab ID:**	**QC1044316**	**Batch:**	**307153**
Matrix:	**Water**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1044316 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	53.10	50.00	ug/L	106%		70-135
MTBE	52.30	50.00	ug/L	105%		70-130
Benzene	54.48	50.00	ug/L	109%		70-130
Trichloroethene	54.30	50.00	ug/L	109%		70-130
Toluene	54.86	50.00	ug/L	110%		70-130
Chlorobenzene	55.13	50.00	ug/L	110%		70-130
Surrogates						
Dibromofluoromethane	51.54	50.00	ug/L	103%		70-140
1,2-Dichloroethane-d4	49.95	50.00	ug/L	100%		70-140
Toluene-d8	49.80	50.00	ug/L	100%		70-140
Bromofluorobenzene	50.61	50.00	ug/L	101%		70-140

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC1044317**	**Batch:**	**307153**
Matrix:	**Water**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1044317 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	51.82	50.00	ug/L	104%		70-135	2	30
MTBE	50.88	50.00	ug/L	102%		70-130	3	30
Benzene	52.89	50.00	ug/L	106%		70-130	3	30
Trichloroethene	52.62	50.00	ug/L	105%		70-130	3	30
Toluene	52.66	50.00	ug/L	105%		70-130	4	30
Chlorobenzene	52.55	50.00	ug/L	105%		70-130	5	30
Surrogates								
Dibromofluoromethane	52.61	50.00	ug/L	105%		70-140		
1,2-Dichloroethane-d4	50.27	50.00	ug/L	101%		70-140		
Toluene-d8	49.48	50.00	ug/L	99%		70-140		
Bromofluorobenzene	49.56	50.00	ug/L	99%		70-140		

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Batch QC

Type:	**Blank**	**Lab ID:**	**QC1044320**	**Batch:**	**307153**
Matrix:	**Water**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1044320 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Freon 12	ND		ug/L	0.5	02/09/23	02/09/23
Chloromethane	ND		ug/L	0.5	02/09/23	02/09/23
Vinyl Chloride	ND		ug/L	0.5	02/09/23	02/09/23
Bromomethane	ND		ug/L	1.0	02/09/23	02/09/23
Chloroethane	ND		ug/L	0.5	02/09/23	02/09/23
Trichlorofluoromethane	ND		ug/L	0.5	02/09/23	02/09/23
Acetone	ND		ug/L	25	02/09/23	02/09/23
Freon 113	ND		ug/L	0.5	02/09/23	02/09/23
1,1-Dichloroethene	ND		ug/L	0.5	02/09/23	02/09/23
Methylene Chloride	ND		ug/L	5.0	02/09/23	02/09/23
MTBE	ND		ug/L	0.5	02/09/23	02/09/23
trans-1,2-Dichloroethene	ND		ug/L	0.5	02/09/23	02/09/23
1,1-Dichloroethane	ND		ug/L	0.5	02/09/23	02/09/23
2-Butanone	ND		ug/L	5.0	02/09/23	02/09/23
cis-1,2-Dichloroethene	ND		ug/L	0.5	02/09/23	02/09/23
2,2-Dichloropropane	ND		ug/L	0.5	02/09/23	02/09/23
Chloroform	ND		ug/L	0.5	02/09/23	02/09/23
Bromochloromethane	ND		ug/L	0.5	02/09/23	02/09/23
1,1,1-Trichloroethane	ND		ug/L	0.5	02/09/23	02/09/23
1,1-Dichloropropene	ND		ug/L	0.5	02/09/23	02/09/23
Carbon Tetrachloride	ND		ug/L	0.5	02/09/23	02/09/23
1,2-Dichloroethane	ND		ug/L	0.5	02/09/23	02/09/23
Benzene	ND		ug/L	0.5	02/09/23	02/09/23
Trichloroethene	ND		ug/L	0.5	02/09/23	02/09/23
1,2-Dichloropropane	ND		ug/L	0.5	02/09/23	02/09/23
Bromodichloromethane	ND		ug/L	0.5	02/09/23	02/09/23
Dibromomethane	ND		ug/L	0.5	02/09/23	02/09/23
4-Methyl-2-Pentanone	ND		ug/L	5.0	02/09/23	02/09/23
cis-1,3-Dichloropropene	ND		ug/L	0.5	02/09/23	02/09/23
Toluene	ND		ug/L	0.5	02/09/23	02/09/23
trans-1,3-Dichloropropene	ND		ug/L	0.5	02/09/23	02/09/23
1,1,2-Trichloroethane	ND		ug/L	0.5	02/09/23	02/09/23
1,3-Dichloropropane	ND		ug/L	0.5	02/09/23	02/09/23
Tetrachloroethene	ND		ug/L	0.5	02/09/23	02/09/23
Dibromochloromethane	ND		ug/L	0.5	02/09/23	02/09/23
1,2-Dibromoethane	ND		ug/L	0.5	02/09/23	02/09/23
Chlorobenzene	ND		ug/L	0.5	02/09/23	02/09/23
1,1,1,2-Tetrachloroethane	ND		ug/L	0.5	02/09/23	02/09/23
Ethylbenzene	ND		ug/L	0.5	02/09/23	02/09/23
m,p-Xylenes	ND		ug/L	1.0	02/09/23	02/09/23
o-Xylene	ND		ug/L	0.5	02/09/23	02/09/23
Styrene	ND		ug/L	0.5	02/09/23	02/09/23

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Batch QC

QC1044320 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Bromoform	ND		ug/L	1.0	02/09/23	02/09/23
Propylbenzene	ND		ug/L	0.5	02/09/23	02/09/23
Isopropylbenzene	ND		ug/L	0.5	02/09/23	02/09/23
1,1,2,2-Tetrachloroethane	ND		ug/L	0.5	02/09/23	02/09/23
1,2,3-Trichloropropane	ND		ug/L	0.5	02/09/23	02/09/23
Bromobenzene	ND		ug/L	1.0	02/09/23	02/09/23
1,3,5-Trimethylbenzene	ND		ug/L	0.5	02/09/23	02/09/23
2-Chlorotoluene	ND		ug/L	0.5	02/09/23	02/09/23
4-Chlorotoluene	ND		ug/L	0.5	02/09/23	02/09/23
tert-Butylbenzene	ND		ug/L	0.5	02/09/23	02/09/23
1,2,4-Trimethylbenzene	ND		ug/L	0.5	02/09/23	02/09/23
sec-Butylbenzene	ND		ug/L	0.5	02/09/23	02/09/23
para-Isopropyl Toluene	ND		ug/L	0.5	02/09/23	02/09/23
1,3-Dichlorobenzene	ND		ug/L	0.5	02/09/23	02/09/23
1,4-Dichlorobenzene	ND		ug/L	0.5	02/09/23	02/09/23
n-Butylbenzene	ND		ug/L	0.5	02/09/23	02/09/23
1,2-Dichlorobenzene	ND		ug/L	0.5	02/09/23	02/09/23
1,2-Dibromo-3-Chloropropane	ND		ug/L	2.0	02/09/23	02/09/23
1,2,4-Trichlorobenzene	ND		ug/L	0.5	02/09/23	02/09/23
Hexachlorobutadiene	ND		ug/L	1.0	02/09/23	02/09/23
Naphthalene	ND		ug/L	0.5	02/09/23	02/09/23
1,2,3-Trichlorobenzene	ND		ug/L	0.5	02/09/23	02/09/23
cis-1,4-Dichloro-2-butene	ND		ug/L	1.0	02/09/23	02/09/23
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	02/09/23	02/09/23
Isopropyl Ether (DIPE)	ND		ug/L	0.5	02/09/23	02/09/23
Ethyl tert-Butyl Ether (ETBE)	ND		ug/L	0.5	02/09/23	02/09/23
tert-Butyl Alcohol (TBA)	ND		ug/L	10	02/09/23	02/09/23
Methyl tert-Amyl Ether (TAME)	ND		ug/L	0.5	02/09/23	02/09/23
Xylene (total)	ND		ug/L	0.5	02/09/23	02/09/23
Surrogates				**Limits**		
Dibromofluoromethane	104%		%REC	70-140	02/09/23	02/09/23
1,2-Dichloroethane-d4	101%		%REC	70-140	02/09/23	02/09/23
Toluene-d8	99%		%REC	70-140	02/09/23	02/09/23
Bromofluorobenzene	101%		%REC	70-140	02/09/23	02/09/23

CCV drift outside limits; average CCV drift within limits per method requirements
* Value is outside QC limits
DO Diluted Out
ND Not Detected

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

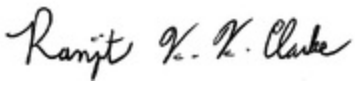
Lab Job Number: 479053
Report Level: II
Report Date: 06/29/2023

Analytical Report *prepared for:*

Chuck Houser
SCS Engineers
8799 Balboa #290
San Diego, CA 92123

Project: MIDWAY RISING - Sports Arena - Revised Report

Authorized for release by:



Ranjit K Clarke, Client Services Manager
(714) 771-9906
Ranjit.Clarke@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Chuck Houser SCS Engineers 8799 Balboa #290 San Diego, CA 92123	Lab Job #: Project No: Location: Date Received:	479053 MIDWAY RISING Sports Arena - Revised Report 02/07/23

Sample ID	Lab ID	Collected	Matrix
DPV-23-052-0.5	479053-001	02/07/23 07:28	Soil
DPV-23-052-2.5	479053-002	02/07/23 07:30	Soil
DPV-23-052-5.0	479053-003	02/07/23 07:32	Soil
DPV-23-052-7.5	479053-004	02/07/23 07:33	Soil
DPV-23-052-10	479053-005	02/07/23 07:35	Soil
DPV-23-053-0.5	479053-006	02/07/23 07:55	Soil
DPV-23-053-2.5	479053-007	02/07/23 07:58	Soil
DPV-23-053-3.0	479053-008	02/07/23 07:59	Soil
DPV-23-053-5.0	479053-009	02/07/23 08:00	Soil
DPV-23-053-7.5	479053-010	02/07/23 08:02	Soil
DPV-23-053-10	479053-011	02/07/23 08:03	Soil
DP-23-031-0.5	479053-012	02/07/23 08:20	Soil
DP-23-031-2.5	479053-013	02/07/23 08:21	Soil
DP-23-031-5.0	479053-014	02/07/23 08:22	Soil
DP-23-031-7.5	479053-015	02/07/23 08:24	Soil
DP-23-031-10	479053-016	02/07/23 08:26	Soil
DP-23-032-0.5	479053-017	02/07/23 09:06	Soil
DP-23-032-2.5	479053-018	02/07/23 09:07	Soil
DP-23-032-5.0	479053-019	02/07/23 09:10	Soil
DP-23-032-6.0	479053-020	02/07/23 09:12	Soil
DP-23-032-7.5	479053-021	02/07/23 09:14	Soil
DP-23-032-10	479053-022	02/07/23 09:15	Soil
DP-23-035-0.5	479053-023	02/07/23 11:49	Soil
DP-23-035-1.5	479053-024	02/07/23 11:50	Soil
DP-23-035-2.5	479053-025	02/07/23 11:51	Soil
DP-23-035-5.0	479053-026	02/07/23 11:55	Soil

ENTHALPY ANALYTICAL

Sample Summary

Chuck Houser
SCS Engineers
8799 Balboa #290
San Diego, CA 92123

Lab Job #:	479053
Project No:	MIDWAY RISING
Location:	Sports Arena - Revised Report
Date Received:	02/07/23

Sample ID	Lab ID	Collected	Matrix
DP-23-035-7.5	479053-027	02/07/23 11:56	Soil
DP-23-035-10	479053-028	02/07/23 11:57	Soil
DP-23-035-GW	479053-029	02/07/23 11:58	Water

ENTHALPY ANALYTICAL

Case Narrative

SCS Engineers 8799 Balboa #290 San Diego, CA 92123 Chuck Houser	Lab Job Number: 479053 Project No: MIDWAY RISING Location: Sports Arena - Revised Report Date Received: 02/07/23

- This data package contains sample and QC results for twenty five soil samples and one water sample, requested for the above referenced project on 02/08/23. The samples were received cold and intact.
- Revised Report - The Sample IDs from borings DP-23-031, -032, and -035 have been corrected to match the COC.

TPH-Extractables by GC (EPA 8015B) Water:

- Low surrogate recoveries were observed for n-triacontane in the method blank/BS/BSD for batch 307147.
- TPH (C13-C22) and TPH (C6-C12) were detected above the RL in the method blank for batch 307147; these analytes were not detected in the sample at or above the RL.
- No other analytical problems were encountered.

TPH-Extractables by GC (EPA 8015B) Soil:

- DP-23-032-0.5 (lab # 479053-017) was diluted due to the dark color of the sample extract.
- No other analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B) Water:

No analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B) Soil:

- DP-23-032-0.5 (lab # 479053-017) was diluted due to foaming.
- No other analytical problems were encountered.

Pesticides (EPA 8081A):

- DP-23-035-0.5 (lab # 479053-023) was diluted due to the dark color of the sample extract.
- DP-23-031-0.5 (lab # 479053-012) and DP-23-032-0.5 (lab # 479053-017) were diluted due to the color of the sample extracts.
- No other analytical problems were encountered.

Metals (EPA 6010B and EPA 7471A):

- High response was observed for selenium in the CCV analyzed 02/11/23 05:54; affected data was qualified with "b".
- High response was observed for selenium in the CCV analyzed 02/11/23 06:33; affected data was qualified with "b".
- Low recoveries were observed for antimony in the MS/MSD of DPV-23-052-0.5 (lab # 479053-001); the LCS was within limits, and the associated RPD was within limits.
- No other analytical problems were encountered.

Chain of Custody Record

Enthalpy Analytical - Orange
931 W. Barkley Avenue, Orange, CA 92868
Phone 714-771-6900

Lab No: 479053
Page: 1 of 3

Turn Around Time (rush by advanced notice only)
Standard: Y | 5 Day: | 3 Day:
2 Day: | 1 Day: | Custom TAT:

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Enthalpy San Diego	Quote #:	
Report To:	Chuck Houser and Allison ONeal	Proj. Name:	Midway Rising - Sports Arena
Email:	chouser aoneal@scsengineers.com	Proj. #:	01213320.07
Address:	8799 Balboa Ave	P.O. #:	
	San Diego, CA 92123	Address:	
Phone:	858-571-5200	Global ID:	
Fax:	NA	Sampled By:	Allison ONeal

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	TPH ext (8015B)	Metals (6010B)	OCPs (8081A)	Lead (6010B)	VOCs (8260B)						Archive	Test Instructions / Comments
1	DPV-23-052-0.5	2/7/23	7:28	soil	acetate sleeve	ice	X	X	X									5:4/3.7 3.4/5.8
2	DPV-23-052-2.5		7:30							X								
3	DPV-23-052-5.0		7:32				X			X								
4	DPV-23-052-7.5		7:33							X								
5	DPV-23-052-10		7:35				X											
6	DPV-23-053-0.5		7:55				X	X	X									
7	DPV-23-053-2.5		7:58							X								
8	DPV-23-053-3.0		7:59														X	
9	DPV-23-053-5.0		8:00				X			X								
10	DPV-23-053-7.5		8:02							X								

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	Allison ONeal	Allison ONeal	SCS	2/7/23 12:38
1 Received By:	Jennifer Bauer Morton	Jennifer Bauer Morton	SCS	2/7/23 12:38
2 Relinquished By:	Jennifer Bauer Morton	Jennifer Bauer Morton	SCS	2/7/23 1700
2 Received By:	Taylor Nash	TAYLOR NASH	EA SD	2/7/23 1700
3 Relinquished By:	Taylor Nash	TAYLOR NASH	EA SD	2/8/23 1145
3 Received By:		Alex Costa	EA SD	2/8/23 12:30

Relinquished: Alex Costa EA OC 2/8/23 17:18

N OK b. REA 2-8-23

AMERICAN ~~SCIENTIFIC~~ Enthalpy LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Road, LA, CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

479053

Page 2 Of 3

5/4/3-7 3/4/5-8

COC# № 85896 GLOBAL ID _____ E REPORT: ☒ PDF ☐ EDF ☐ EDD ASL JOB# _____

CHAIN OF CUSTODY RECORD

Company: SGS		Report To:	
Address:	Project Name: Midway Rising - Sports Arena	Address:	
	Site Address:	Invoice To:	
Telephone: / Fax:	see page 1	Address:	
Special Instruction:	Project ID:		
E-mail:	Project Manager:	P.O.#:	

ANALYSIS REQUESTED

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Type	Matrix	Preservation	TPH ext (8015B)	Metals (6010B)	OCPs (8081A)	Lead (6010B)	VOCs (8260B)	Archive	Remarks
		DPV-23-053-10	2/7/23	8:03	1	acetate sleeve	Soil	ice	X						
		DP-23-031-0.5		8:20					X	X	X				
		DP-23-031-2.5		8:21								X			
		DP-23-031-5.0		8:22					X			X			
		DP-23-031-7.5		8:24								X			
		DP-23-031-10		8:26					X						
		DP-23-032-0.5		9:06					X	X	X				
		DP-23-032-2.5		9:07								X			
		DP-23-032-5.0		9:10					X			X			
		DP-23-032-10.0		9:12										X	

Collected By: [signature]	Date 2/7/23	Time 1238	Relinquished By: [signature]	Date 2/7/23 Time 1700
Relinquished By:	Date	Time	Received For Laboratory: [signature]	Date 2/8/23 Time 17:15
Received By: [signature]	Date 2/7/22	Time 12:38	Condition of Sample:	

TAT: ☒ Normal ☐ Rush

White - Report, Yellow - Laboratory, Pink - Client

RCVD: [signature] 2/7/23 1700 REL: [signature] 2/8/23 1445 REC: [signature] Alex Cha EDD 2/8/23 12:30 2nd RL Chris RA 2-8-23 1715

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Road, LA, CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

479053

5+1/3.1 3.4/5.6

COC# № 85903 GLOBAL ID _____ E REPORT: ☒ PDF ☐ EDF ☐ EDD ASL JOB# _____

Company: SCS		Report To:	
Address:	Project Name: Midway Rising - Sports Arena	Address:	
	Site Address:	Invoice To:	
Telephone: / Fax:		Address:	
Special Instruction: see pdf 1	Project ID:		
E-mail:	Project Manager:	P.O.#:	

ANALYSIS REQUESTED

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Type	Matrix	Preservation	TPH ext (8015B)	Metals (6010B)	OCPs (8081A)	Lead (6010B)	VOCs (8260B)					Archive	Remarks
		DP-23-032-7.5	2/7/23	9:14	1	acetate sleeve	soil	ice				X							
		DP-23-032-10		9:15					X										
		DP-23-035-0.5		11:49					X	X	X								
		DP-23-035-1.5		11:50														X	
		DP-23-035-2.5		11:51								X							
		DP-23-035-5.0		11:55					X			X							
		DP-23-035-7.5		11:56								X							
		DP-23-035-10		11:57					X										
		DP-23-035-GW		11:58	1 4	Liter amber VOAs	ground water		X	-	-	-	X						

Collected By: Allie Nunez	Date 2/7/23 Time 1238	Relinquished By: Jennifer Parker	Date 2/7/23 Time 17:00
Relinquished By:	Date Time	Received For Laboratory: Erica Cha	Date 2/8/23 Time 12:15
Received By: Jennifer Parker	Date 2/7/23 Time 2:38	Condition of Sample:	

TAT ☒ Normal ☐ Rush

White - Report, Yellow - Laboratory, Pink - Client

RCVD: Tabitha 2/7/23 1700 REL: Tabitha 2/8/23 1145 RCVD: Alexis 2/8/23 12:30 NICKO 2-8-23 1545

CHAIN OF CUSTODY RECORD

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: SCS Engineering Project: Midway Rising

Date Received: 2/8/23 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? #6 2 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 5.4 #2: 3.9 #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 3.7 #2: 5.0 #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✔		
Are sample IDs present?	✔		
Are sampling dates & times present?	✔		
Is a relinquished signature present?	✔		
Are the tests required clearly indicated on the COC?	✔		
Are custody seals present?		✔	
If custody seals are present, were they intact?			✔
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✔
Did all samples arrive intact? If no, indicate in Section 4 below.	✔		
Did all bottle labels agree with COC? (ID, dates and times)	✔		
Were the samples collected in the correct containers for the required tests?	✔		
Are the containers labeled with the correct preservatives?			✔
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✔
Was a sufficient amount of sample submitted for the requested tests?	✔		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 2-8-23

MONTROSE ENVIRONMENTAL

Ranjit Clarke <ranjit.clarke@enthalpy.com>

[EXTERNAL] FW: Midway Rising - Sports Arena - Enthalpy Data (479053) (Invoice CINV-166813)

1 message

O'Neal, Allison <AONeal@scsengineers.com> Mon, Feb 20, 2023 at 10:38 AM
To: Ranjit Clarke <Ranjit.Clarke@enthalpy.com>
Cc: "Montague, Luke" <LMontague@scsengineers.com>, "Houser, Chuck" <CHouser@scsengineers.com>, "Morton, Jen" <JMorton@scsengineers.com>

Hi Ranjit,

Please run the additional analysis for the samples indicated below on a standard TAT:

VOCs (8260B –

DPV-23-031-0.5

DPV-23-031-2.5

DPV-23-032-0.5

DPV-23-032-2.5

TPH (8015B)-

DPV-23-031-2.5

DPV-23-032-2.5

Thank you,

Allison O'Neal

SCS Engineers

San Diego, CA

858-583-7763 (W)

858-287-0277 (C)

aoneal@scsengineers.com

www.scsengineers.com

MONTROSE ENVIRONMENTAL

Ranjit Clarke <ranjit.clarke@enthalpy.com>

[EXTERNAL] Sports Arena-Midway Rising

1 message

Houser, Chuck <CHouser@scsengineers.com> Wed, Apr 5, 2023 at 1:06 PM
To: "Ranjit.Clarke@enthalpy.com" <Ranjit.Clarke@enthalpy.com>
Cc: "O'Neal, Allison" <AONeal@scsengineers.com>, "Montague, Luke" <LMontague@scsengineers.com>

Ranjit,

Please additionally analyze the following samples from the project for arsenic:

- A-23-012-5
- A-23-015-2.5
- DP-23-031-2.5
- DP-23-032-2.5
- DP-23-035-2.5
- DP-23-038-2.5
- DP-23-039-2.5
- DPV-23-052-2.5

Also attached is a lab report that needs several sample numbers adjusted, if not already done. I edited them and highlighted the ones I edited. I know we adjusted some sample numbers earlier, I don't know if we missed adjusting this one or if it was done and I'm just not seeing the revised report. Several of the above samples for additional analyses are in this report and needing their number changed.

Thanks

Chuck

Chuck Houser, CHg

Project Manager

SCS Engineers

Office 858-571-5500 Ext. 2908

Direct: 858-583-7738

Mobile: 858-805-5523

ENTHALPY ANALYTICAL

Analysis Results for 479053

Chuck Houser
SCS Engineers
8799 Balboa #290
San Diego, CA 92123

Lab Job #: 479053
Project No: MIDWAY RISING
Location: Sports Arena - Revised Report
Date Received: 02/07/23

Sample ID: DPV-23-052-0.5 **Lab ID: 479053-001** **Collected: 02/07/23 07:28**
Matrix: Soil

479053-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	2.9	0.98	307199	02/09/23	02/11/23	SBW
Arsenic	**5.3**		mg/Kg	0.98	0.98	307199	02/09/23	02/13/23	SBW
Barium	**45**		mg/Kg	0.98	0.98	307199	02/09/23	02/11/23	SBW
Beryllium	ND		mg/Kg	0.49	0.98	307199	02/09/23	02/11/23	SBW
Cadmium	ND		mg/Kg	0.49	0.98	307199	02/09/23	02/11/23	SBW
Chromium	**13**		mg/Kg	0.98	0.98	307199	02/09/23	02/11/23	SBW
Cobalt	**6.2**		mg/Kg	0.49	0.98	307199	02/09/23	02/11/23	SBW
Copper	**6.3**		mg/Kg	0.98	0.98	307199	02/09/23	02/11/23	SBW
Lead	**7.8**		mg/Kg	0.98	0.98	307199	02/09/23	02/11/23	SBW
Molybdenum	ND		mg/Kg	0.98	0.98	307199	02/09/23	02/11/23	SBW
Nickel	**8.2**		mg/Kg	0.98	0.98	307199	02/09/23	02/11/23	SBW
Selenium	ND		mg/Kg	2.9	0.98	307199	02/09/23	02/11/23	SBW
Silver	ND		mg/Kg	0.49	0.98	307199	02/09/23	02/11/23	SBW
Thallium	ND		mg/Kg	2.9	0.98	307199	02/09/23	02/11/23	SBW
Vanadium	**36**		mg/Kg	0.98	0.98	307199	02/09/23	02/11/23	SBW
Zinc	**48**		mg/Kg	4.9	0.98	307199	02/09/23	02/13/23	SBW
Method: EPA 7471A Prep Method: METHOD									
Mercury	ND		mg/Kg	0.15	1.1	307400	02/13/23	02/14/23	KAM
Method: EPA 8015B Prep Method: EPA 3580M									
TPH (C6-C12)	ND		mg/Kg	10	1	307186	02/09/23	02/09/23	SME
TPH (C13-C22)	ND		mg/Kg	10	1	307186	02/09/23	02/09/23	SME
TPH (C23-C44)	ND		mg/Kg	50	1	307186	02/09/23	02/09/23	SME
Surrogates				**Limits**					
n-Triacontane	89%		%REC	70-130	1	307186	02/09/23	02/09/23	SME
Method: EPA 8081A Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	4.9	0.99	307262	02/10/23	02/13/23	MES
beta-BHC	ND		ug/Kg	4.9	0.99	307262	02/10/23	02/13/23	MES
gamma-BHC	ND		ug/Kg	4.9	0.99	307262	02/10/23	02/13/23	MES
delta-BHC	ND		ug/Kg	4.9	0.99	307262	02/10/23	02/13/23	MES
Heptachlor	ND		ug/Kg	4.9	0.99	307262	02/10/23	02/13/23	MES
Aldrin	ND		ug/Kg	4.9	0.99	307262	02/10/23	02/13/23	MES
Heptachlor epoxide	ND		ug/Kg	4.9	0.99	307262	02/10/23	02/13/23	MES

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 479053

479053-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Endosulfan I	ND		ug/Kg	4.9	0.99	307262	02/10/23	02/13/23	MES
Dieldrin	ND		ug/Kg	4.9	0.99	307262	02/10/23	02/13/23	MES
4,4'-DDE	ND		ug/Kg	4.9	0.99	307262	02/10/23	02/13/23	MES
Endrin	ND		ug/Kg	4.9	0.99	307262	02/10/23	02/13/23	MES
Endosulfan II	ND		ug/Kg	4.9	0.99	307262	02/10/23	02/13/23	MES
Endosulfan sulfate	ND		ug/Kg	4.9	0.99	307262	02/10/23	02/13/23	MES
4,4'-DDD	ND		ug/Kg	4.9	0.99	307262	02/10/23	02/13/23	MES
Endrin aldehyde	ND		ug/Kg	4.9	0.99	307262	02/10/23	02/13/23	MES
Endrin ketone	ND		ug/Kg	4.9	0.99	307262	02/10/23	02/13/23	MES
4,4'-DDT	ND		ug/Kg	4.9	0.99	307262	02/10/23	02/13/23	MES
Methoxychlor	ND		ug/Kg	9.9	0.99	307262	02/10/23	02/13/23	MES
Toxaphene	ND		ug/Kg	99	0.99	307262	02/10/23	02/13/23	MES
Chlordane (Technical)	ND		ug/Kg	49	0.99	307262	02/10/23	02/13/23	MES
Surrogates				**Limits**					
TCMX	77%		%REC	23-120	0.99	307262	02/10/23	02/13/23	MES
Decachlorobiphenyl	64%		%REC	24-120	0.99	307262	02/10/23	02/13/23	MES

Sample ID: DPV-23-052-2.5 **Lab ID: 479053-002** **Collected: 02/07/23 07:30**
Matrix: Soil

479053-002 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Arsenic	**11**		mg/Kg	1.0	1	311360	04/07/23	04/10/23	SBW
Lead	**6.3**		mg/Kg	0.95	0.95	307199	02/09/23	02/11/23	SBW

Sample ID: DPV-23-052-5.0 **Lab ID: 479053-003** **Collected: 02/07/23 07:32**
Matrix: Soil

479053-003 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	**5.8**		mg/Kg	0.97	0.97	307199	02/09/23	02/11/23	SBW
Method: EPA 8015B Prep Method: EPA 3580M									
TPH (C6-C12)	ND		mg/Kg	10	1	307186	02/09/23	02/09/23	SME
TPH (C13-C22)	ND		mg/Kg	10	1	307186	02/09/23	02/09/23	SME
TPH (C23-C44)	ND		mg/Kg	50	1	307186	02/09/23	02/09/23	SME
Surrogates				**Limits**					
n-Triacontane	114%		%REC	70-130	1	307186	02/09/23	02/09/23	SME

Results for any subcontracted analyses are not included in this section.

Analysis Results for 479053

Sample ID: DPV-23-052-7.5	Lab ID: 479053-004	Collected: 02/07/23 07:33
	Matrix: Soil	

479053-004 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	**5.0**		mg/Kg	0.97	0.97	307199	02/09/23	02/11/23	SBW

Sample ID: DPV-23-052-10	Lab ID: 479053-005	Collected: 02/07/23 07:35
	Matrix: Soil	

479053-005 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8015B Prep Method: EPA 3580M									
TPH (C6-C12)	ND		mg/Kg	10	1	307186	02/09/23	02/09/23	SME
TPH (C13-C22)	ND		mg/Kg	10	1	307186	02/09/23	02/09/23	SME
TPH (C23-C44)	ND		mg/Kg	50	1	307186	02/09/23	02/09/23	SME
Surrogates				**Limits**					
n-Triacontane	90%		%REC	70-130	1	307186	02/09/23	02/09/23	SME

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 479053

Sample ID: DPV-23-053-0.5	Lab ID: 479053-006	Collected: 02/07/23 07:55
	Matrix: Soil	

479053-006 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	2.9	0.95	307199	02/09/23	02/11/23	SBW
Arsenic	**1.7**		mg/Kg	0.95	0.95	307199	02/09/23	02/13/23	SBW
Barium	**340**		mg/Kg	0.95	0.95	307199	02/09/23	02/11/23	SBW
Beryllium	ND		mg/Kg	0.48	0.95	307199	02/09/23	02/11/23	SBW
Cadmium	ND		mg/Kg	0.48	0.95	307199	02/09/23	02/11/23	SBW
Chromium	**14**		mg/Kg	0.95	0.95	307199	02/09/23	02/11/23	SBW
Cobalt	**3.9**		mg/Kg	0.48	0.95	307199	02/09/23	02/11/23	SBW
Copper	**4.3**		mg/Kg	0.95	0.95	307199	02/09/23	02/11/23	SBW
Lead	**6.0**		mg/Kg	0.95	0.95	307199	02/09/23	02/11/23	SBW
Molybdenum	ND		mg/Kg	0.95	0.95	307199	02/09/23	02/11/23	SBW
Nickel	**4.0**		mg/Kg	0.95	0.95	307199	02/09/23	02/11/23	SBW
Selenium	ND		mg/Kg	2.9	0.95	307199	02/09/23	02/11/23	SBW
Silver	ND		mg/Kg	0.48	0.95	307199	02/09/23	02/11/23	SBW
Thallium	ND		mg/Kg	2.9	0.95	307199	02/09/23	02/11/23	SBW
Vanadium	**43**		mg/Kg	0.95	0.95	307199	02/09/23	02/11/23	SBW
Zinc	**12**		mg/Kg	4.8	0.95	307199	02/09/23	02/13/23	SBW
Method: EPA 7471A Prep Method: METHOD									
Mercury	ND		mg/Kg	0.15	1.1	307400	02/13/23	02/14/23	KAM
Method: EPA 8015B Prep Method: EPA 3580M									
TPH (C6-C12)	ND		mg/Kg	9.9	0.99	307186	02/09/23	02/09/23	SME
TPH (C13-C22)	ND		mg/Kg	9.9	0.99	307186	02/09/23	02/09/23	SME
TPH (C23-C44)	ND		mg/Kg	50	0.99	307186	02/09/23	02/09/23	SME
Surrogates				**Limits**					
n-Triacontane	92%		%REC	70-130	0.99	307186	02/09/23	02/09/23	SME
Method: EPA 8081A Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES
beta-BHC	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES
gamma-BHC	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES
delta-BHC	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES
Heptachlor	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES
Aldrin	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES
Heptachlor epoxide	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES
Endosulfan I	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES
Dieldrin	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES
4,4'-DDE	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES
Endrin	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES
Endosulfan II	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES

Results for any subcontracted analyses are not included in this section.

Analysis Results for 479053

479053-006 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Endosulfan sulfate	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES
4,4'-DDD	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES
Endrin aldehyde	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES
Endrin ketone	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES
4,4'-DDT	ND		ug/Kg	5.0	1	307262	02/10/23	02/13/23	MES
Methoxychlor	ND		ug/Kg	10	1	307262	02/10/23	02/13/23	MES
Toxaphene	ND		ug/Kg	100	1	307262	02/10/23	02/13/23	MES
Chlordane (Technical)	ND		ug/Kg	50	1	307262	02/10/23	02/13/23	MES
Surrogates				**Limits**					
TCMX	77%		%REC	23-120	1	307262	02/10/23	02/13/23	MES
Decachlorobiphenyl	66%		%REC	24-120	1	307262	02/10/23	02/13/23	MES

Sample ID: DPV-23-053-2.5 **Lab ID: 479053-007** **Collected: 02/07/23 07:58**
Matrix: Soil

479053-007 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	**9.5**		mg/Kg	0.97	0.97	307199	02/09/23	02/11/23	SBW

Sample ID: DPV-23-053-5.0 **Lab ID: 479053-009** **Collected: 02/07/23 08:00**
Matrix: Soil

479053-009 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	**9.2**		mg/Kg	0.98	0.98	307199	02/09/23	02/11/23	SBW
Method: EPA 8015B Prep Method: EPA 3580M									
TPH (C6-C12)	ND		mg/Kg	9.9	0.99	307186	02/09/23	02/09/23	SME
TPH (C13-C22)	ND		mg/Kg	9.9	0.99	307186	02/09/23	02/09/23	SME
TPH (C23-C44)	ND		mg/Kg	50	0.99	307186	02/09/23	02/09/23	SME
Surrogates				**Limits**					
n-Triacontane	89%		%REC	70-130	0.99	307186	02/09/23	02/09/23	SME

Sample ID: DPV-23-053-7.5 **Lab ID: 479053-010** **Collected: 02/07/23 08:02**
Matrix: Soil

479053-010 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	ND		mg/Kg	0.97	0.97	307199	02/09/23	02/11/23	SBW

Results for any subcontracted analyses are not included in this section.

Analysis Results for 479053

Sample ID: DPV-23-053-10	Lab ID: 479053-011	Collected: 02/07/23 08:03
	Matrix: Soil	

479053-011 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8015B Prep Method: EPA 3580M									
TPH (C6-C12)	ND		mg/Kg	10	1	307186	02/09/23	02/09/23	SME
TPH (C13-C22)	ND		mg/Kg	10	1	307186	02/09/23	02/09/23	SME
TPH (C23-C44)	ND		mg/Kg	50	1	307186	02/09/23	02/09/23	SME
Surrogates				**Limits**					
n-Triacontane	87%		%REC	70-130	1	307186	02/09/23	02/09/23	SME

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 479053

Sample ID: DP-23-031-0.5	Lab ID: 479053-012	Collected: 02/07/23 08:20
	Matrix: Soil	

479053-012 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	2.9	0.98	307199	02/09/23	02/13/23	SBW
Arsenic	**7.7**		mg/Kg	0.98	0.98	307199	02/09/23	02/13/23	SBW
Barium	**240**		mg/Kg	0.98	0.98	307199	02/09/23	02/11/23	SBW
Beryllium	ND		mg/Kg	0.49	0.98	307199	02/09/23	02/11/23	SBW
Cadmium	ND		mg/Kg	0.49	0.98	307199	02/09/23	02/11/23	SBW
Chromium	**14**		mg/Kg	0.98	0.98	307199	02/09/23	02/11/23	SBW
Cobalt	**7.2**		mg/Kg	0.49	0.98	307199	02/09/23	02/11/23	SBW
Copper	**15**		mg/Kg	0.98	0.98	307199	02/09/23	02/11/23	SBW
Lead	**15**		mg/Kg	0.98	0.98	307199	02/09/23	02/11/23	SBW
Molybdenum	ND		mg/Kg	0.98	0.98	307199	02/09/23	02/11/23	SBW
Nickel	**6.7**		mg/Kg	0.98	0.98	307199	02/09/23	02/11/23	SBW
Selenium	ND		mg/Kg	2.9	0.98	307199	02/09/23	02/11/23	SBW
Silver	ND		mg/Kg	0.49	0.98	307199	02/09/23	02/11/23	SBW
Thallium	ND		mg/Kg	2.9	0.98	307199	02/09/23	02/11/23	SBW
Vanadium	**41**		mg/Kg	0.98	0.98	307199	02/09/23	02/11/23	SBW
Zinc	**47**		mg/Kg	4.9	0.98	307199	02/09/23	02/13/23	SBW
Method: EPA 7471A Prep Method: METHOD									
Mercury	ND		mg/Kg	0.16	1.1	307400	02/13/23	02/14/23	KAM
Method: EPA 8015B Prep Method: EPA 3580M									
TPH (C6-C12)	ND		mg/Kg	10	1	307186	02/09/23	02/09/23	SME
TPH (C13-C22)	ND		mg/Kg	10	1	307186	02/09/23	02/09/23	SME
TPH (C23-C44)	**59**		mg/Kg	50	1	307186	02/09/23	02/09/23	SME
Surrogates				**Limits**					
n-Triacontane	93%		%REC	70-130	1	307186	02/09/23	02/09/23	SME
Method: EPA 8081A Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	9.8	2	307262	02/10/23	02/13/23	MES
beta-BHC	ND		ug/Kg	9.8	2	307262	02/10/23	02/13/23	MES
gamma-BHC	ND		ug/Kg	9.8	2	307262	02/10/23	02/13/23	MES
delta-BHC	ND		ug/Kg	9.8	2	307262	02/10/23	02/13/23	MES
Heptachlor	ND		ug/Kg	9.8	2	307262	02/10/23	02/13/23	MES
Aldrin	ND		ug/Kg	9.8	2	307262	02/10/23	02/13/23	MES
Heptachlor epoxide	ND		ug/Kg	9.8	2	307262	02/10/23	02/13/23	MES
Endosulfan I	ND		ug/Kg	9.8	2	307262	02/10/23	02/13/23	MES
Dieldrin	ND		ug/Kg	9.8	2	307262	02/10/23	02/13/23	MES
4,4'-DDE	ND		ug/Kg	9.8	2	307262	02/10/23	02/13/23	MES
Endrin	ND		ug/Kg	9.8	2	307262	02/10/23	02/13/23	MES
Endosulfan II	ND		ug/Kg	9.8	2	307262	02/10/23	02/13/23	MES

Results for any subcontracted analyses are not included in this section.

Analysis Results for 479053

479053-012 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Endosulfan sulfate	ND		ug/Kg	9.8	2	307262	02/10/23	02/13/23	MES
4,4'-DDD	ND		ug/Kg	9.8	2	307262	02/10/23	02/13/23	MES
Endrin aldehyde	ND		ug/Kg	9.8	2	307262	02/10/23	02/13/23	MES
Endrin ketone	ND		ug/Kg	9.8	2	307262	02/10/23	02/13/23	MES
4,4'-DDT	ND		ug/Kg	9.8	2	307262	02/10/23	02/13/23	MES
Methoxychlor	ND		ug/Kg	20	2	307262	02/10/23	02/13/23	MES
Toxaphene	ND		ug/Kg	200	2	307262	02/10/23	02/13/23	MES
Chlordane (Technical)	ND		ug/Kg	98	2	307262	02/10/23	02/13/23	MES
Surrogates				**Limits**					
TCMX	81%		%REC	23-120	2	307262	02/10/23	02/13/23	MES
Decachlorobiphenyl	74%		%REC	24-120	2	307262	02/10/23	02/13/23	MES
Method: EPA 8260B Prep Method: EPA 5030B									
3-Chloropropene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
cis-1,4-Dichloro-2-butene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
trans-1,4-Dichloro-2-butene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
Isopropyl Ether (DIPE)	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
Ethyl tert-Butyl Ether (ETBE)	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
Methyl tert-Amyl Ether (TAME)	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
tert-Butyl Alcohol (TBA)	ND		ug/Kg	10	1	308037	02/21/23	02/21/23	EJB
Freon 12	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
Chloromethane	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
Vinyl Chloride	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
Bromomethane	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
Chloroethane	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
Trichlorofluoromethane	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
Acetone	ND		ug/Kg	100	1	308037	02/21/23	02/21/23	EJB
Freon 113	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
1,1-Dichloroethene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
Methylene Chloride	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
MTBE	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
trans-1,2-Dichloroethene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
1,1-Dichloroethane	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
2-Butanone	ND		ug/Kg	100	1	308037	02/21/23	02/21/23	EJB
cis-1,2-Dichloroethene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
2,2-Dichloropropane	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
Chloroform	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
Bromochloromethane	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
1,1,1-Trichloroethane	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
1,1-Dichloropropene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
Carbon Tetrachloride	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
1,2-Dichloroethane	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
Benzene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
Trichloroethene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
1,2-Dichloropropane	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
Bromodichloromethane	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 479053

479053-012 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Dibromomethane	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
4-Methyl-2-Pentanone	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
cis-1,3-Dichloropropene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
Toluene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
trans-1,3-Dichloropropene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
1,1,2-Trichloroethane	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
1,3-Dichloropropane	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
Tetrachloroethene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
Dibromochloromethane	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
1,2-Dibromoethane	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
Chlorobenzene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
Ethylbenzene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
m,p-Xylenes	ND		ug/Kg	10	1	308037	02/21/23	02/21/23	EJB
o-Xylene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
Styrene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
Bromoform	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
Isopropylbenzene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
1,2,3-Trichloropropane	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
Propylbenzene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
Bromobenzene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
1,3,5-Trimethylbenzene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
2-Chlorotoluene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
4-Chlorotoluene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
tert-Butylbenzene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
1,2,4-Trimethylbenzene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
sec-Butylbenzene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
para-Isopropyl Toluene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
1,3-Dichlorobenzene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
1,4-Dichlorobenzene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
n-Butylbenzene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
1,2-Dichlorobenzene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
1,2,4-Trichlorobenzene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
Hexachlorobutadiene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
Naphthalene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
1,2,3-Trichlorobenzene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
Xylene (total)	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
Surrogates				**Limits**					
Dibromofluoromethane	96%		%REC	70-145	1	308037	02/21/23	02/21/23	EJB
1,2-Dichloroethane-d4	105%		%REC	70-145	1	308037	02/21/23	02/21/23	EJB
Toluene-d8	102%		%REC	70-145	1	308037	02/21/23	02/21/23	EJB
Bromofluorobenzene	101%		%REC	70-145	1	308037	02/21/23	02/21/23	EJB

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 479053

Sample ID: DP-23-031-2.5	Lab ID: 479053-013	Collected: 02/07/23 08:21
	Matrix: Soil	

479053-013 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Arsenic	**8.1**		mg/Kg	0.94	0.94	311360	04/07/23	04/10/23	SBW
Lead	**14**		mg/Kg	0.96	0.96	307199	02/09/23	02/11/23	SBW
Method: EPA 8015B Prep Method: EPA 3580M									
TPH (C6-C12)	**26**		mg/Kg	9.9	0.99	308064	02/21/23	02/22/23	SME
TPH (C13-C22)	**38**		mg/Kg	9.9	0.99	308064	02/21/23	02/22/23	SME
TPH (C23-C44)	**75**		mg/Kg	50	0.99	308064	02/21/23	02/22/23	SME
Surrogates				**Limits**					
n-Triacontane	85%		%REC	70-130	0.99	308064	02/21/23	02/22/23	SME
Method: EPA 8260B Prep Method: EPA 5030B									
3-Chloropropene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
cis-1,4-Dichloro-2-butene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
trans-1,4-Dichloro-2-butene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
Isopropyl Ether (DIPE)	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
Ethyl tert-Butyl Ether (ETBE)	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
Methyl tert-Amyl Ether (TAME)	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
tert-Butyl Alcohol (TBA)	ND		ug/Kg	10	1	308037	02/21/23	02/21/23	EJB
Freon 12	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
Chloromethane	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
Vinyl Chloride	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
Bromomethane	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
Chloroethane	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
Trichlorofluoromethane	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
Acetone	ND		ug/Kg	100	1	308037	02/21/23	02/21/23	EJB
Freon 113	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
1,1-Dichloroethene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
Methylene Chloride	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
MTBE	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
trans-1,2-Dichloroethene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
1,1-Dichloroethane	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
2-Butanone	ND		ug/Kg	100	1	308037	02/21/23	02/21/23	EJB
cis-1,2-Dichloroethene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
2,2-Dichloropropane	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
Chloroform	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
Bromochloromethane	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
1,1,1-Trichloroethane	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
1,1-Dichloropropene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
Carbon Tetrachloride	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
1,2-Dichloroethane	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 479053

479053-013 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
Trichloroethene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
1,2-Dichloropropane	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
Bromodichloromethane	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
Dibromomethane	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
4-Methyl-2-Pentanone	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
cis-1,3-Dichloropropene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
Toluene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
trans-1,3-Dichloropropene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
1,1,2-Trichloroethane	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
1,3-Dichloropropane	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
Tetrachloroethene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
Dibromochloromethane	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
1,2-Dibromoethane	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
Chlorobenzene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
Ethylbenzene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
m,p-Xylenes	ND		ug/Kg	10	1	308037	02/21/23	02/21/23	EJB
o-Xylene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
Styrene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
Bromoform	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
Isopropylbenzene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
1,2,3-Trichloropropane	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
Propylbenzene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
Bromobenzene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
1,3,5-Trimethylbenzene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
2-Chlorotoluene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
4-Chlorotoluene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
tert-Butylbenzene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
1,2,4-Trimethylbenzene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
sec-Butylbenzene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
para-Isopropyl Toluene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
1,3-Dichlorobenzene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
1,4-Dichlorobenzene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
n-Butylbenzene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
1,2-Dichlorobenzene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
1,2,4-Trichlorobenzene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
Hexachlorobutadiene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
Naphthalene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
1,2,3-Trichlorobenzene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
Xylene (total)	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
Surrogates				**Limits**					
Dibromofluoromethane	96%		%REC	70-145	1	308037	02/21/23	02/21/23	EJB
1,2-Dichloroethane-d4	102%		%REC	70-145	1	308037	02/21/23	02/21/23	EJB

Results for any subcontracted analyses are not included in this section.

Analysis Results for 479053

479053-013 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Toluene-d8	106%		%REC	70-145	1	308037	02/21/23	02/21/23	EJB
Bromofluorobenzene	109%		%REC	70-145	1	308037	02/21/23	02/21/23	EJB

Sample ID: DP-23-031-5.0 **Lab ID: 479053-014** **Collected: 02/07/23 08:22**
Matrix: Soil

479053-014 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	**6.6**		mg/Kg	0.98	0.98	307199	02/09/23	02/11/23	SBW
Method: EPA 8015B Prep Method: EPA 3580M									
TPH (C6-C12)	ND		mg/Kg	10	1	307186	02/09/23	02/10/23	SME
TPH (C13-C22)	ND		mg/Kg	10	1	307186	02/09/23	02/10/23	SME
TPH (C23-C44)	ND		mg/Kg	50	1	307186	02/09/23	02/10/23	SME
Surrogates				**Limits**					
n-Triacontane	92%		%REC	70-130	1	307186	02/09/23	02/10/23	SME

Sample ID: DP-23-031-7.5 **Lab ID: 479053-015** **Collected: 02/07/23 08:24**
Matrix: Soil

479053-015 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	**3.6**		mg/Kg	0.99	0.99	307199	02/09/23	02/11/23	SBW

Sample ID: DP-23-031-10 **Lab ID: 479053-016** **Collected: 02/07/23 08:26**
Matrix: Soil

479053-016 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8015B Prep Method: EPA 3580M									
TPH (C6-C12)	ND		mg/Kg	9.9	0.99	307186	02/09/23	02/09/23	SME
TPH (C13-C22)	ND		mg/Kg	9.9	0.99	307186	02/09/23	02/09/23	SME
TPH (C23-C44)	ND		mg/Kg	50	0.99	307186	02/09/23	02/09/23	SME
Surrogates				**Limits**					
n-Triacontane	81%		%REC	70-130	0.99	307186	02/09/23	02/09/23	SME

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 479053

Sample ID: DP-23-032-0.5	Lab ID: 479053-017	Collected: 02/07/23 09:06
	Matrix: Soil	

479053-017 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	2.9	0.98	307199	02/09/23	02/11/23	SBW
Arsenic	**5.7**		mg/Kg	0.98	0.98	307199	02/09/23	02/13/23	SBW
Barium	**150**		mg/Kg	0.98	0.98	307199	02/09/23	02/11/23	SBW
Beryllium	ND		mg/Kg	0.49	0.98	307199	02/09/23	02/11/23	SBW
Cadmium	ND		mg/Kg	0.49	0.98	307199	02/09/23	02/11/23	SBW
Chromium	**5.9**		mg/Kg	0.98	0.98	307199	02/09/23	02/11/23	SBW
Cobalt	**3.3**		mg/Kg	0.49	0.98	307199	02/09/23	02/11/23	SBW
Copper	**6.0**		mg/Kg	0.98	0.98	307199	02/09/23	02/11/23	SBW
Lead	**12**		mg/Kg	0.98	0.98	307199	02/09/23	02/11/23	SBW
Molybdenum	ND		mg/Kg	0.98	0.98	307199	02/09/23	02/11/23	SBW
Nickel	**16**		mg/Kg	0.98	0.98	307199	02/09/23	02/11/23	SBW
Selenium	ND		mg/Kg	2.9	0.98	307199	02/09/23	02/11/23	SBW
Silver	ND		mg/Kg	0.49	0.98	307199	02/09/23	02/11/23	SBW
Thallium	ND		mg/Kg	2.9	0.98	307199	02/09/23	02/11/23	SBW
Vanadium	**27**		mg/Kg	0.98	0.98	307199	02/09/23	02/11/23	SBW
Zinc	**33**		mg/Kg	4.9	0.98	307199	02/09/23	02/13/23	SBW
Method: EPA 7471A Prep Method: METHOD									
Mercury	ND		mg/Kg	0.16	1.1	307400	02/13/23	02/14/23	KAM
Method: EPA 8015B Prep Method: EPA 3580M									
TPH (C6-C12)	ND		mg/Kg	500	50	307186	02/09/23	02/09/23	SME
TPH (C13-C22)	ND		mg/Kg	500	50	307186	02/09/23	02/09/23	SME
TPH (C23-C44)	**2,700**		mg/Kg	2,500	50	307186	02/09/23	02/09/23	SME
Surrogates				**Limits**					
n-Triacontane		DO	%REC	70-130	50	307186	02/09/23	02/09/23	SME
Method: EPA 8081A Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	10	2	307262	02/10/23	02/13/23	MES
beta-BHC	ND		ug/Kg	10	2	307262	02/10/23	02/13/23	MES
gamma-BHC	ND		ug/Kg	10	2	307262	02/10/23	02/13/23	MES
delta-BHC	ND		ug/Kg	10	2	307262	02/10/23	02/13/23	MES
Heptachlor	ND		ug/Kg	10	2	307262	02/10/23	02/13/23	MES
Aldrin	ND		ug/Kg	10	2	307262	02/10/23	02/13/23	MES
Heptachlor epoxide	ND		ug/Kg	10	2	307262	02/10/23	02/13/23	MES
Endosulfan I	ND		ug/Kg	10	2	307262	02/10/23	02/13/23	MES
Dieldrin	ND		ug/Kg	10	2	307262	02/10/23	02/13/23	MES
4,4'-DDE	ND		ug/Kg	10	2	307262	02/10/23	02/13/23	MES
Endrin	ND		ug/Kg	10	2	307262	02/10/23	02/13/23	MES
Endosulfan II	ND		ug/Kg	10	2	307262	02/10/23	02/13/23	MES

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 479053

479053-017 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Endosulfan sulfate	ND		ug/Kg	10	2	307262	02/10/23	02/13/23	MES
4,4'-DDD	ND		ug/Kg	10	2	307262	02/10/23	02/13/23	MES
Endrin aldehyde	ND		ug/Kg	10	2	307262	02/10/23	02/13/23	MES
Endrin ketone	ND		ug/Kg	10	2	307262	02/10/23	02/13/23	MES
4,4'-DDT	ND		ug/Kg	10	2	307262	02/10/23	02/13/23	MES
Methoxychlor	ND		ug/Kg	20	2	307262	02/10/23	02/13/23	MES
Toxaphene	ND		ug/Kg	200	2	307262	02/10/23	02/13/23	MES
Chlordane (Technical)	ND		ug/Kg	100	2	307262	02/10/23	02/13/23	MES
Surrogates				**Limits**					
TCMX	78%		%REC	23-120	2	307262	02/10/23	02/13/23	MES
Decachlorobiphenyl	68%		%REC	24-120	2	307262	02/10/23	02/13/23	MES
Method: EPA 8260B Prep Method: EPA 5030B									
3-Chloropropene	ND		ug/Kg	25	5	308037	02/21/23	02/21/23	EJB
cis-1,4-Dichloro-2-butene	ND		ug/Kg	25	5	308037	02/21/23	02/21/23	EJB
trans-1,4-Dichloro-2-butene	ND		ug/Kg	25	5	308037	02/21/23	02/21/23	EJB
Isopropyl Ether (DIPE)	ND		ug/Kg	25	5	308037	02/21/23	02/21/23	EJB
Ethyl tert-Butyl Ether (ETBE)	ND		ug/Kg	25	5	308037	02/21/23	02/21/23	EJB
Methyl tert-Amyl Ether (TAME)	ND		ug/Kg	25	5	308037	02/21/23	02/21/23	EJB
tert-Butyl Alcohol (TBA)	ND		ug/Kg	50	5	308037	02/21/23	02/21/23	EJB
Freon 12	ND		ug/Kg	25	5	308037	02/21/23	02/21/23	EJB
Chloromethane	ND		ug/Kg	25	5	308037	02/21/23	02/21/23	EJB
Vinyl Chloride	ND		ug/Kg	25	5	308037	02/21/23	02/21/23	EJB
Bromomethane	ND		ug/Kg	25	5	308037	02/21/23	02/21/23	EJB
Chloroethane	ND		ug/Kg	25	5	308037	02/21/23	02/21/23	EJB
Trichlorofluoromethane	ND		ug/Kg	25	5	308037	02/21/23	02/21/23	EJB
Acetone	ND		ug/Kg	500	5	308037	02/21/23	02/21/23	EJB
Freon 113	ND		ug/Kg	25	5	308037	02/21/23	02/21/23	EJB
1,1-Dichloroethene	ND		ug/Kg	25	5	308037	02/21/23	02/21/23	EJB
Methylene Chloride	ND		ug/Kg	25	5	308037	02/21/23	02/21/23	EJB
MTBE	ND		ug/Kg	25	5	308037	02/21/23	02/21/23	EJB
trans-1,2-Dichloroethene	ND		ug/Kg	25	5	308037	02/21/23	02/21/23	EJB
1,1-Dichloroethane	ND		ug/Kg	25	5	308037	02/21/23	02/21/23	EJB
2-Butanone	ND		ug/Kg	500	5	308037	02/21/23	02/21/23	EJB
cis-1,2-Dichloroethene	ND		ug/Kg	25	5	308037	02/21/23	02/21/23	EJB
2,2-Dichloropropane	ND		ug/Kg	25	5	308037	02/21/23	02/21/23	EJB
Chloroform	ND		ug/Kg	25	5	308037	02/21/23	02/21/23	EJB
Bromochloromethane	ND		ug/Kg	25	5	308037	02/21/23	02/21/23	EJB
1,1,1-Trichloroethane	ND		ug/Kg	25	5	308037	02/21/23	02/21/23	EJB
1,1-Dichloropropene	ND		ug/Kg	25	5	308037	02/21/23	02/21/23	EJB
Carbon Tetrachloride	ND		ug/Kg	25	5	308037	02/21/23	02/21/23	EJB
1,2-Dichloroethane	ND		ug/Kg	25	5	308037	02/21/23	02/21/23	EJB
Benzene	ND		ug/Kg	25	5	308037	02/21/23	02/21/23	EJB
Trichloroethene	ND		ug/Kg	25	5	308037	02/21/23	02/21/23	EJB
1,2-Dichloropropane	ND		ug/Kg	25	5	308037	02/21/23	02/21/23	EJB
Bromodichloromethane	ND		ug/Kg	25	5	308037	02/21/23	02/21/23	EJB

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 479053

479053-017 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Dibromomethane	ND		ug/Kg	25	5	308037	02/21/23	02/21/23	EJB
4-Methyl-2-Pentanone	ND		ug/Kg	25	5	308037	02/21/23	02/21/23	EJB
cis-1,3-Dichloropropene	ND		ug/Kg	25	5	308037	02/21/23	02/21/23	EJB
Toluene	ND		ug/Kg	25	5	308037	02/21/23	02/21/23	EJB
trans-1,3-Dichloropropene	ND		ug/Kg	25	5	308037	02/21/23	02/21/23	EJB
1,1,2-Trichloroethane	ND		ug/Kg	25	5	308037	02/21/23	02/21/23	EJB
1,3-Dichloropropane	ND		ug/Kg	25	5	308037	02/21/23	02/21/23	EJB
Tetrachloroethene	ND		ug/Kg	25	5	308037	02/21/23	02/21/23	EJB
Dibromochloromethane	ND		ug/Kg	25	5	308037	02/21/23	02/21/23	EJB
1,2-Dibromoethane	ND		ug/Kg	25	5	308037	02/21/23	02/21/23	EJB
Chlorobenzene	ND		ug/Kg	25	5	308037	02/21/23	02/21/23	EJB
1,1,1,2-Tetrachloroethane	ND		ug/Kg	25	5	308037	02/21/23	02/21/23	EJB
Ethylbenzene	**310**		ug/Kg	25	5	308037	02/21/23	02/21/23	EJB
m,p-Xylenes	**1,400**		ug/Kg	50	5	308037	02/21/23	02/21/23	EJB
o-Xylene	**410**		ug/Kg	25	5	308037	02/21/23	02/21/23	EJB
Styrene	ND		ug/Kg	25	5	308037	02/21/23	02/21/23	EJB
Bromoform	ND		ug/Kg	25	5	308037	02/21/23	02/21/23	EJB
Isopropylbenzene	ND		ug/Kg	25	5	308037	02/21/23	02/21/23	EJB
1,1,2,2-Tetrachloroethane	ND		ug/Kg	25	5	308037	02/21/23	02/21/23	EJB
1,2,3-Trichloropropane	ND		ug/Kg	25	5	308037	02/21/23	02/21/23	EJB
Propylbenzene	ND		ug/Kg	25	5	308037	02/21/23	02/21/23	EJB
Bromobenzene	ND		ug/Kg	25	5	308037	02/21/23	02/21/23	EJB
1,3,5-Trimethylbenzene	ND		ug/Kg	25	5	308037	02/21/23	02/21/23	EJB
2-Chlorotoluene	ND		ug/Kg	25	5	308037	02/21/23	02/21/23	EJB
4-Chlorotoluene	ND		ug/Kg	25	5	308037	02/21/23	02/21/23	EJB
tert-Butylbenzene	ND		ug/Kg	25	5	308037	02/21/23	02/21/23	EJB
1,2,4-Trimethylbenzene	ND		ug/Kg	25	5	308037	02/21/23	02/21/23	EJB
sec-Butylbenzene	ND		ug/Kg	25	5	308037	02/21/23	02/21/23	EJB
para-Isopropyl Toluene	ND		ug/Kg	25	5	308037	02/21/23	02/21/23	EJB
1,3-Dichlorobenzene	ND		ug/Kg	25	5	308037	02/21/23	02/21/23	EJB
1,4-Dichlorobenzene	ND		ug/Kg	25	5	308037	02/21/23	02/21/23	EJB
n-Butylbenzene	ND		ug/Kg	25	5	308037	02/21/23	02/21/23	EJB
1,2-Dichlorobenzene	ND		ug/Kg	25	5	308037	02/21/23	02/21/23	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	25	5	308037	02/21/23	02/21/23	EJB
1,2,4-Trichlorobenzene	ND		ug/Kg	25	5	308037	02/21/23	02/21/23	EJB
Hexachlorobutadiene	ND		ug/Kg	25	5	308037	02/21/23	02/21/23	EJB
Naphthalene	ND		ug/Kg	25	5	308037	02/21/23	02/21/23	EJB
1,2,3-Trichlorobenzene	ND		ug/Kg	25	5	308037	02/21/23	02/21/23	EJB
Xylene (total)	**1,800**		ug/Kg	25	5	308037	02/21/23	02/21/23	EJB
Surrogates				**Limits**					
Dibromofluoromethane	92%		%REC	70-145	5	308037	02/21/23	02/21/23	EJB
1,2-Dichloroethane-d4	100%		%REC	70-145	5	308037	02/21/23	02/21/23	EJB
Toluene-d8	109%		%REC	70-145	5	308037	02/21/23	02/21/23	EJB
Bromofluorobenzene	120%		%REC	70-145	5	308037	02/21/23	02/21/23	EJB

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 479053

Sample ID: DP-23-032-2.5	Lab ID: 479053-018	Collected: 02/07/23 09:07
	Matrix: Soil	

479053-018 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Arsenic	**7.8**		mg/Kg	0.88	0.88	311360	04/07/23	04/10/23	SBW
Lead	**14**		mg/Kg	0.98	0.98	307199	02/09/23	02/11/23	SBW
Method: EPA 8015B Prep Method: EPA 3580M									
TPH (C6-C12)	ND		mg/Kg	10	1	308064	02/21/23	02/22/23	SME
TPH (C13-C22)	ND		mg/Kg	10	1	308064	02/21/23	02/22/23	SME
TPH (C23-C44)	ND		mg/Kg	50	1	308064	02/21/23	02/22/23	SME
Surrogates				**Limits**					
n-Triacontane	95%		%REC	70-130	1	308064	02/21/23	02/22/23	SME
Method: EPA 8260B Prep Method: EPA 5030B									
3-Chloropropene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
cis-1,4-Dichloro-2-butene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
trans-1,4-Dichloro-2-butene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
Isopropyl Ether (DIPE)	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
Ethyl tert-Butyl Ether (ETBE)	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
Methyl tert-Amyl Ether (TAME)	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
tert-Butyl Alcohol (TBA)	ND		ug/Kg	10	1	308037	02/21/23	02/21/23	EJB
Freon 12	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
Chloromethane	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
Vinyl Chloride	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
Bromomethane	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
Chloroethane	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
Trichlorofluoromethane	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
Acetone	ND		ug/Kg	100	1	308037	02/21/23	02/21/23	EJB
Freon 113	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
1,1-Dichloroethene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
Methylene Chloride	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
MTBE	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
trans-1,2-Dichloroethene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
1,1-Dichloroethane	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
2-Butanone	ND		ug/Kg	100	1	308037	02/21/23	02/21/23	EJB
cis-1,2-Dichloroethene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
2,2-Dichloropropane	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
Chloroform	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
Bromochloromethane	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
1,1,1-Trichloroethane	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
1,1-Dichloropropene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
Carbon Tetrachloride	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
1,2-Dichloroethane	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 479053

479053-018 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
Trichloroethene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
1,2-Dichloropropane	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
Bromodichloromethane	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
Dibromomethane	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
4-Methyl-2-Pentanone	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
cis-1,3-Dichloropropene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
Toluene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
trans-1,3-Dichloropropene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
1,1,2-Trichloroethane	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
1,3-Dichloropropane	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
Tetrachloroethene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
Dibromochloromethane	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
1,2-Dibromoethane	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
Chlorobenzene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
Ethylbenzene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
m,p-Xylenes	ND		ug/Kg	10	1	308037	02/21/23	02/21/23	EJB
o-Xylene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
Styrene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
Bromoform	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
Isopropylbenzene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
1,2,3-Trichloropropane	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
Propylbenzene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
Bromobenzene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
1,3,5-Trimethylbenzene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
2-Chlorotoluene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
4-Chlorotoluene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
tert-Butylbenzene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
1,2,4-Trimethylbenzene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
sec-Butylbenzene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
para-Isopropyl Toluene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
1,3-Dichlorobenzene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
1,4-Dichlorobenzene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
n-Butylbenzene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
1,2-Dichlorobenzene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
1,2,4-Trichlorobenzene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
Hexachlorobutadiene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
Naphthalene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
1,2,3-Trichlorobenzene	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
Xylene (total)	ND		ug/Kg	5.0	1	308037	02/21/23	02/21/23	EJB
Surrogates				**Limits**					
Dibromofluoromethane	95%		%REC	70-145	1	308037	02/21/23	02/21/23	EJB
1,2-Dichloroethane-d4	101%		%REC	70-145	1	308037	02/21/23	02/21/23	EJB

Results for any subcontracted analyses are not included in this section.

Analysis Results for 479053

479053-018 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Toluene-d8	102%		%REC	70-145	1	308037	02/21/23	02/21/23	EJB
Bromofluorobenzene	99%		%REC	70-145	1	308037	02/21/23	02/21/23	EJB

Sample ID: DP-23-032-5.0 **Lab ID: 479053-019** **Collected: 02/07/23 09:10**
Matrix: Soil

479053-019 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	**7.5**		mg/Kg	0.96	0.96	307199	02/09/23	02/13/23	SBW
Method: EPA 8015B Prep Method: EPA 3580M									
TPH (C6-C12)	ND		mg/Kg	10	1	307186	02/09/23	02/09/23	SME
TPH (C13-C22)	ND		mg/Kg	10	1	307186	02/09/23	02/09/23	SME
TPH (C23-C44)	ND		mg/Kg	50	1	307186	02/09/23	02/09/23	SME
Surrogates				**Limits**					
n-Triacontane	84%		%REC	70-130	1	307186	02/09/23	02/09/23	SME

Sample ID: DP-23-032-7.5 **Lab ID: 479053-021** **Collected: 02/07/23 09:14**
Matrix: Soil

479053-021 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	**3.5**		mg/Kg	0.95	0.95	307199	02/09/23	02/13/23	SBW

Sample ID: DP-23-032-10 **Lab ID: 479053-022** **Collected: 02/07/23 09:15**
Matrix: Soil

479053-022 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8015B Prep Method: EPA 3580M									
TPH (C6-C12)	ND		mg/Kg	9.9	0.99	307186	02/09/23	02/09/23	SME
TPH (C13-C22)	ND		mg/Kg	9.9	0.99	307186	02/09/23	02/09/23	SME
TPH (C23-C44)	ND		mg/Kg	50	0.99	307186	02/09/23	02/09/23	SME
Surrogates				**Limits**					
n-Triacontane	82%		%REC	70-130	0.99	307186	02/09/23	02/09/23	SME

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 479053

Sample ID: DP-23-035-0.5	Lab ID: 479053-023	Collected: 02/07/23 11:49
	Matrix: Soil	

479053-023 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	3.0	0.99	307199	02/09/23	02/11/23	SBW
Arsenic	**5.0**		mg/Kg	0.99	0.99	307199	02/09/23	02/15/23	SBW
Barium	**69**		mg/Kg	0.99	0.99	307199	02/09/23	02/11/23	SBW
Beryllium	ND		mg/Kg	0.50	0.99	307199	02/09/23	02/11/23	SBW
Cadmium	ND		mg/Kg	0.50	0.99	307199	02/09/23	02/11/23	SBW
Chromium	**7.0**		mg/Kg	0.99	0.99	307199	02/09/23	02/11/23	SBW
Cobalt	**3.8**		mg/Kg	0.50	0.99	307199	02/09/23	02/11/23	SBW
Copper	**13**		mg/Kg	0.99	0.99	307199	02/09/23	02/11/23	SBW
Lead	**16**		mg/Kg	0.99	0.99	307199	02/09/23	02/13/23	SBW
Molybdenum	**1.6**		mg/Kg	0.99	0.99	307199	02/09/23	02/13/23	SBW
Nickel	**16**		mg/Kg	0.99	0.99	307199	02/09/23	02/11/23	SBW
Selenium	ND		mg/Kg	3.0	0.99	307199	02/09/23	02/11/23	SBW
Silver	ND		mg/Kg	0.50	0.99	307199	02/09/23	02/11/23	SBW
Thallium	ND		mg/Kg	3.0	0.99	307199	02/09/23	02/11/23	SBW
Vanadium	**26**		mg/Kg	0.99	0.99	307199	02/09/23	02/11/23	SBW
Zinc	**96**		mg/Kg	5.0	0.99	307199	02/09/23	02/15/23	SBW
Method: EPA 7471A Prep Method: METHOD									
Mercury	ND		mg/Kg	0.15	1.1	307400	02/13/23	02/14/23	KAM
Method: EPA 8015B Prep Method: EPA 3580M									
TPH (C6-C12)	ND		mg/Kg	10	1	307186	02/09/23	02/09/23	SME
TPH (C13-C22)	ND		mg/Kg	10	1	307186	02/09/23	02/09/23	SME
TPH (C23-C44)	ND		mg/Kg	50	1	307186	02/09/23	02/09/23	SME
Surrogates				**Limits**					
n-Triacontane	85%		%REC	70-130	1	307186	02/09/23	02/09/23	SME
Method: EPA 8081A Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	50	10	307262	02/10/23	02/13/23	MES
beta-BHC	ND		ug/Kg	50	10	307262	02/10/23	02/13/23	MES
gamma-BHC	ND		ug/Kg	50	10	307262	02/10/23	02/13/23	MES
delta-BHC	ND		ug/Kg	50	10	307262	02/10/23	02/13/23	MES
Heptachlor	ND		ug/Kg	50	10	307262	02/10/23	02/13/23	MES
Aldrin	ND		ug/Kg	50	10	307262	02/10/23	02/13/23	MES
Heptachlor epoxide	ND		ug/Kg	50	10	307262	02/10/23	02/13/23	MES
Endosulfan I	ND		ug/Kg	50	10	307262	02/10/23	02/13/23	MES
Dieldrin	ND		ug/Kg	50	10	307262	02/10/23	02/13/23	MES
4,4'-DDE	ND		ug/Kg	50	10	307262	02/10/23	02/13/23	MES
Endrin	ND		ug/Kg	50	10	307262	02/10/23	02/13/23	MES
Endosulfan II	ND		ug/Kg	50	10	307262	02/10/23	02/13/23	MES

Results for any subcontracted analyses are not included in this section.

Analysis Results for 479053

479053-023 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Endosulfan sulfate	ND		ug/Kg	50	10	307262	02/10/23	02/13/23	MES
4,4'-DDD	ND		ug/Kg	50	10	307262	02/10/23	02/13/23	MES
Endrin aldehyde	ND		ug/Kg	50	10	307262	02/10/23	02/13/23	MES
Endrin ketone	ND		ug/Kg	50	10	307262	02/10/23	02/13/23	MES
4,4'-DDT	ND		ug/Kg	50	10	307262	02/10/23	02/13/23	MES
Methoxychlor	ND		ug/Kg	100	10	307262	02/10/23	02/13/23	MES
Toxaphene	ND		ug/Kg	1,000	10	307262	02/10/23	02/13/23	MES
Chlordane (Technical)	ND		ug/Kg	500	10	307262	02/10/23	02/13/23	MES
Surrogates				**Limits**					
TCMX		DO	%REC	23-120	10	307262	02/10/23	02/13/23	MES
Decachlorobiphenyl		DO	%REC	24-120	10	307262	02/10/23	02/13/23	MES

Sample ID: DP-23-035-2.5 **Lab ID: 479053-025** **Collected: 02/07/23 11:51**
Matrix: Soil

479053-025 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Arsenic	**2.4**		mg/Kg	0.96	0.96	311360	04/07/23	04/10/23	SBW
Lead	**5.4**		mg/Kg	0.99	0.99	307199	02/09/23	02/13/23	SBW

Sample ID: DP-23-035-5.0 **Lab ID: 479053-026** **Collected: 02/07/23 11:55**
Matrix: Soil

479053-026 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	**6.7**		mg/Kg	0.97	0.97	307199	02/09/23	02/13/23	SBW
Method: EPA 8015B Prep Method: EPA 3580M									
TPH (C6-C12)	ND		mg/Kg	10	1	307186	02/09/23	02/09/23	SME
TPH (C13-C22)	ND		mg/Kg	10	1	307186	02/09/23	02/09/23	SME
TPH (C23-C44)	ND		mg/Kg	50	1	307186	02/09/23	02/09/23	SME
Surrogates				**Limits**					
n-Triacontane	83%		%REC	70-130	1	307186	02/09/23	02/09/23	SME

Sample ID: DP-23-035-7.5 **Lab ID: 479053-027** **Collected: 02/07/23 11:56**
Matrix: Soil

479053-027 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	**34**		mg/Kg	0.98	0.98	307199	02/09/23	02/13/23	SBW

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 479053

Sample ID: DP-23-035-10	Lab ID: 479053-028	Collected: 02/07/23 11:57
	Matrix: Soil	

479053-028 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8015B Prep Method: EPA 3580M									
TPH (C6-C12)	ND		mg/Kg	10	1	307186	02/09/23	02/09/23	SME
TPH (C13-C22)	ND		mg/Kg	10	1	307186	02/09/23	02/09/23	SME
TPH (C23-C44)	ND		mg/Kg	50	1	307186	02/09/23	02/09/23	SME
Surrogates				**Limits**					
n-Triacontane	84%		%REC	70-130	1	307186	02/09/23	02/09/23	SME

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 479053

Sample ID: DP-23-035-GW	Lab ID: 479053-029	Collected: 02/07/23 11:58
	Matrix: Water	

479053-029 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8015B Prep Method: EPA 3510C									
TPH (C6-C12)	ND		mg/L	0.097	0.97	307147	02/09/23	02/10/23	BJG
TPH (C13-C22)	ND		mg/L	0.097	0.97	307147	02/09/23	02/10/23	BJG
TPH (C23-C44)	ND		mg/L	0.29	0.97	307147	02/09/23	02/10/23	BJG
Surrogates				**Limits**					
n-Triacontane	78%		%REC	35-130	0.97	307147	02/09/23	02/10/23	BJG
Method: EPA 8260B Prep Method: EPA 5030B									
Freon 12	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
Chloromethane	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
Vinyl Chloride	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
Bromomethane	ND		ug/L	1.0	1	307153	02/09/23	02/09/23	ILK
Chloroethane	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
Trichlorofluoromethane	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
Acetone	ND		ug/L	25	1	307153	02/09/23	02/09/23	ILK
Freon 113	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
1,1-Dichloroethene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
Methylene Chloride	ND		ug/L	5.0	1	307153	02/09/23	02/09/23	ILK
MTBE	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
trans-1,2-Dichloroethene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
1,1-Dichloroethane	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
2-Butanone	ND		ug/L	5.0	1	307153	02/09/23	02/09/23	ILK
cis-1,2-Dichloroethene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
2,2-Dichloropropane	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
Chloroform	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
Bromochloromethane	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
1,1,1-Trichloroethane	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
1,1-Dichloropropene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
Carbon Tetrachloride	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
1,2-Dichloroethane	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
Benzene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
Trichloroethene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
1,2-Dichloropropane	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
Bromodichloromethane	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
Dibromomethane	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
4-Methyl-2-Pentanone	ND		ug/L	5.0	1	307153	02/09/23	02/09/23	ILK
cis-1,3-Dichloropropene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
Toluene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
trans-1,3-Dichloropropene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
1,1,2-Trichloroethane	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
1,3-Dichloropropane	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 479053

479053-029 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Tetrachloroethene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
Dibromochloromethane	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
1,2-Dibromoethane	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
Chlorobenzene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
1,1,1,2-Tetrachloroethane	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
Ethylbenzene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
m,p-Xylenes	ND		ug/L	1.0	1	307153	02/09/23	02/09/23	ILK
o-Xylene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
Styrene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
Bromoform	ND		ug/L	1.0	1	307153	02/09/23	02/09/23	ILK
Propylbenzene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
Isopropylbenzene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
1,1,2,2-Tetrachloroethane	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
1,2,3-Trichloropropane	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
Bromobenzene	ND		ug/L	1.0	1	307153	02/09/23	02/09/23	ILK
1,3,5-Trimethylbenzene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
2-Chlorotoluene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
4-Chlorotoluene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
tert-Butylbenzene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
1,2,4-Trimethylbenzene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
sec-Butylbenzene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
para-Isopropyl Toluene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
1,3-Dichlorobenzene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
1,4-Dichlorobenzene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
n-Butylbenzene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
1,2-Dichlorobenzene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
1,2-Dibromo-3-Chloropropane	ND		ug/L	2.0	1	307153	02/09/23	02/09/23	ILK
1,2,4-Trichlorobenzene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
Hexachlorobutadiene	ND		ug/L	1.0	1	307153	02/09/23	02/09/23	ILK
Naphthalene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
1,2,3-Trichlorobenzene	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
cis-1,4-Dichloro-2-butene	ND		ug/L	1.0	1	307153	02/09/23	02/09/23	ILK
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1	307153	02/09/23	02/09/23	ILK
Isopropyl Ether (DIPE)	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
Ethyl tert-Butyl Ether (ETBE)	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
tert-Butyl Alcohol (TBA)	ND		ug/L	10	1	307153	02/09/23	02/09/23	ILK
Methyl tert-Amyl Ether (TAME)	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
Xylene (total)	ND		ug/L	0.5	1	307153	02/09/23	02/09/23	ILK
Surrogates				**Limits**					
Dibromofluoromethane	105%		%REC	70-140	1	307153	02/09/23	02/09/23	ILK
1,2-Dichloroethane-d4	104%		%REC	70-140	1	307153	02/09/23	02/09/23	ILK
Toluene-d8	99%		%REC	70-140	1	307153	02/09/23	02/09/23	ILK
Bromofluorobenzene	105%		%REC	70-140	1	307153	02/09/23	02/09/23	ILK

Results for any subcontracted analyses are not included in this section.

Analysis Results for 479053

DO Diluted Out
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC1044451	**Batch:** 307199
Matrix: Soil	**Method:** EPA 6010B	**Prep Method:** EPA 3050B

QC1044451 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Antimony	ND		mg/Kg	3.0	02/09/23	02/11/23
Arsenic	ND		mg/Kg	1.0	02/09/23	02/11/23
Barium	ND		mg/Kg	1.0	02/09/23	02/15/23
Beryllium	ND		mg/Kg	0.50	02/09/23	02/11/23
Cadmium	ND		mg/Kg	0.50	02/09/23	02/11/23
Chromium	ND		mg/Kg	1.0	02/09/23	02/11/23
Cobalt	ND		mg/Kg	0.50	02/09/23	02/11/23
Copper	ND		mg/Kg	1.0	02/09/23	02/11/23
Lead	ND		mg/Kg	1.0	02/09/23	02/11/23
Molybdenum	ND		mg/Kg	1.0	02/09/23	02/11/23
Nickel	ND		mg/Kg	1.0	02/09/23	02/11/23
Selenium	ND		mg/Kg	3.0	02/09/23	02/11/23
Silver	ND		mg/Kg	0.50	02/09/23	02/11/23
Thallium	ND		mg/Kg	3.0	02/09/23	02/11/23
Vanadium	ND		mg/Kg	1.0	02/09/23	02/11/23
Zinc	ND		mg/Kg	5.0	02/09/23	02/11/23

Type: Lab Control Sample	**Lab ID:** QC1044452	**Batch:** 307199
Matrix: Soil	**Method:** EPA 6010B	**Prep Method:** EPA 3050B

QC1044452 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Antimony	106.6	100.0	mg/Kg	107%		80-120
Arsenic	103.1	100.0	mg/Kg	103%		80-120
Barium	105.9	100.0	mg/Kg	106%		80-120
Beryllium	103.1	100.0	mg/Kg	103%		80-120
Cadmium	97.19	100.0	mg/Kg	97%		80-120
Chromium	90.32	100.0	mg/Kg	90%		80-120
Cobalt	103.5	100.0	mg/Kg	104%		80-120
Copper	87.95	100.0	mg/Kg	88%		80-120
Lead	102.4	100.0	mg/Kg	102%		80-120
Molybdenum	99.99	100.0	mg/Kg	100%		80-120
Nickel	102.4	100.0	mg/Kg	102%		80-120
Selenium	97.78	100.0	mg/Kg	98%	b	80-120
Silver	48.71	50.00	mg/Kg	97%		80-120
Thallium	88.72	100.0	mg/Kg	89%		80-120
Vanadium	98.10	100.0	mg/Kg	98%		80-120
Zinc	106.2	100.0	mg/Kg	106%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1044453	Batch:	307199
Matrix (Source ID):	Soil (479053-001)	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC1044453 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Antimony	52.22	2.630	99.01	mg/Kg	50%	*	75-125	0.99
Arsenic	109.5	5.304	99.01	mg/Kg	105%		75-125	0.99
Barium	159.5	45.22	99.01	mg/Kg	115%		75-125	0.99
Beryllium	102.9	ND	99.01	mg/Kg	104%		75-125	0.99
Cadmium	99.64	ND	99.01	mg/Kg	101%		75-125	0.99
Chromium	101.8	12.60	99.01	mg/Kg	90%		75-125	0.99
Cobalt	109.0	6.190	99.01	mg/Kg	104%		75-125	0.99
Copper	103.5	6.305	99.01	mg/Kg	98%		75-125	0.99
Lead	110.8	7.839	99.01	mg/Kg	104%		75-125	0.99
Molybdenum	97.89	0.3898	99.01	mg/Kg	98%		75-125	0.99
Nickel	110.7	8.220	99.01	mg/Kg	103%		75-125	0.99
Selenium	85.81	ND	99.01	mg/Kg	87%		75-125	0.99
Silver	48.30	ND	49.50	mg/Kg	98%		75-125	0.99
Thallium	95.58	1.723	99.01	mg/Kg	95%		75-125	0.99
Vanadium	131.2	36.38	99.01	mg/Kg	96%		75-125	0.99
Zinc	151.4	48.13	99.01	mg/Kg	104%		75-125	0.99

Type:	Matrix Spike Duplicate	Lab ID:	QC1044454	Batch:	307199
Matrix (Source ID):	Soil (479053-001)	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC1044454 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Antimony	53.80	2.630	97.09	mg/Kg	53%	*	75-125	5	41	0.97
Arsenic	111.8	5.304	97.09	mg/Kg	110%		75-125	4	35	0.97
Barium	158.3	45.22	97.09	mg/Kg	116%		75-125	1	20	0.97
Beryllium	105.1	ND	97.09	mg/Kg	108%		75-125	4	20	0.97
Cadmium	101.8	ND	97.09	mg/Kg	105%		75-125	4	20	0.97
Chromium	103.9	12.60	97.09	mg/Kg	94%		75-125	4	20	0.97
Cobalt	111.1	6.190	97.09	mg/Kg	108%		75-125	4	20	0.97
Copper	105.8	6.305	97.09	mg/Kg	102%		75-125	4	20	0.97
Lead	113.3	7.839	97.09	mg/Kg	109%		75-125	4	20	0.97
Molybdenum	100.5	0.3898	97.09	mg/Kg	103%		75-125	5	20	0.97
Nickel	113.7	8.220	97.09	mg/Kg	109%		75-125	4	20	0.97
Selenium	91.69	ND	97.09	mg/Kg	94%		75-125	9	20	0.97
Silver	49.06	ND	48.54	mg/Kg	101%		75-125	4	20	0.97
Thallium	97.96	1.723	97.09	mg/Kg	99%		75-125	4	20	0.97
Vanadium	136.8	36.38	97.09	mg/Kg	103%		75-125	6	20	0.97
Zinc	154.0	48.13	97.09	mg/Kg	109%		75-125	3	20	0.97

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Batch QC

Type: Blank	Lab ID: QC1057198	Batch: 311360
Matrix: Soil	Method: EPA 6010B	Prep Method: EPA 3050B

QC1057198 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Arsenic	ND		mg/Kg	1.0	04/07/23	04/10/23

Type: Lab Control Sample	Lab ID: QC1057199	Batch: 311360
Matrix: Soil	Method: EPA 6010B	Prep Method: EPA 3050B

QC1057199 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Arsenic	96.92	100.0	mg/Kg	97%		80-120

Type: Matrix Spike	Lab ID: QC1057200	Batch: 311360
Matrix (Source ID): Soil (479053-002)	Method: EPA 6010B	Prep Method: EPA 3050B

QC1057200 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Arsenic	98.81	11.37	89.29	mg/Kg	98%		75-125	0.89

Type: Matrix Spike Duplicate	Lab ID: QC1057201	Batch: 311360
Matrix (Source ID): Soil (479053-002)	Method: EPA 6010B	Prep Method: EPA 3050B

QC1057201 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Arsenic	115.2	11.37	103.1	mg/Kg	101%		75-125	3	35	1

Type: Blank	Lab ID: QC1045137	Batch: 307400
Matrix: Soil	Method: EPA 7471A	Prep Method: METHOD

QC1045137 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Mercury	ND		mg/Kg	0.14	02/13/23	02/14/23

Type: Lab Control Sample	Lab ID: QC1045138	Batch: 307400
Matrix: Soil	Method: EPA 7471A	Prep Method: METHOD

QC1045138 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Mercury	0.8021	0.8333	mg/Kg	96%		80-120

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Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC1045139**	**Batch:**	**307400**
Matrix (Source ID):	**Soil (479053-001)**	**Method:**	**EPA 7471A**	**Prep Method:**	**METHOD**

QC1045139 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	0.7566	ND	0.8929	mg/Kg	85%		75-125	1.1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1045140**	**Batch:**	**307400**
Matrix (Source ID):	**Soil (479053-001)**	**Method:**	**EPA 7471A**	**Prep Method:**	**METHOD**

QC1045140 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	0.7691	ND	0.9434	mg/Kg	82%		75-125	4	20	1.1

Type:	**Blank**	**Lab ID:**	**QC1044295**	**Batch:**	**307147**
Matrix:	**Water**	**Method:**	**EPA 8015B**	**Prep Method:**	**EPA 3510C**

QC1044295 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
TPH (C6-C12)	0.11		mg/L	0.10	02/09/23	02/10/23
TPH (C13-C22)	0.25		mg/L	0.10	02/09/23	02/10/23
TPH (C23-C44)	ND		mg/L	0.30	02/09/23	02/10/23
Surrogates				**Limits**		
n-Triacontane	10%	*	%REC	35-130	02/09/23	02/10/23

Type:	**Lab Control Sample**	**Lab ID:**	**QC1044296**	**Batch:**	**307147**
Matrix:	**Water**	**Method:**	**EPA 8015B**	**Prep Method:**	**EPA 3510C**

QC1044296 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Diesel C10-C28	1.128	1.000	mg/L	113%		42-120
Surrogates						
n-Triacontane	0.002836	0.02000	mg/L	14%	*	35-130

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC1044297**	**Batch:**	**307147**
Matrix:	**Water**	**Method:**	**EPA 8015B**	**Prep Method:**	**EPA 3510C**

QC1044297 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Diesel C10-C28	1.083	1.000	mg/L	108%		42-120	4	36
Surrogates								
n-Triacontane	0.002916	0.02000	mg/L	15%	*	35-130		

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Batch QC

Type: Blank	**Lab ID:** QC1044416	**Batch:** 307186
Matrix: Soil	**Method:** EPA 8015B	**Prep Method:** EPA 3580M

QC1044416 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
TPH (C6-C12)	ND		mg/Kg	10	02/09/23	02/09/23
TPH (C13-C22)	ND		mg/Kg	10	02/09/23	02/09/23
TPH (C23-C44)	ND		mg/Kg	50	02/09/23	02/09/23
Surrogates				**Limits**		
n-Triacontane	89%		%REC	70-130	02/09/23	02/09/23

Type: Lab Control Sample	**Lab ID:** QC1044417	**Batch:** 307186
Matrix: Soil	**Method:** EPA 8015B	**Prep Method:** EPA 3580M

QC1044417 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Diesel C10-C28	242.6	248.5	mg/Kg	98%		76-122
Surrogates						
n-Triacontane	8.982	9.940	mg/Kg	90%		70-130

Type: Matrix Spike	**Lab ID:** QC1044418	**Batch:** 307186
Matrix (Source ID): Soil (479053-001)	**Method:** EPA 8015B	**Prep Method:** EPA 3580M

QC1044418 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Diesel C10-C28	247.2	3.118	249.0	mg/Kg	98%		62-126	1
Surrogates								
n-Triacontane	9.099		9.960	mg/Kg	91%		70-130	1

Type: Matrix Spike Duplicate	**Lab ID:** QC1044419	**Batch:** 307186
Matrix (Source ID): Soil (479053-001)	**Method:** EPA 8015B	**Prep Method:** EPA 3580M

QC1044419 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Diesel C10-C28	266.2	3.118	248.5	mg/Kg	106%		62-126	8	35	0.99
Surrogates										
n-Triacontane	8.971		9.940	mg/Kg	90%		70-130			0.99

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC1047181	**Batch:** 308064
Matrix: Soil	**Method:** EPA 8015B	**Prep Method:** EPA 3580M

QC1047181 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
TPH (C6-C12)	ND		mg/Kg	9.9	02/21/23	02/21/23
TPH (C13-C22)	ND		mg/Kg	9.9	02/21/23	02/21/23
TPH (C23-C44)	ND		mg/Kg	50	02/21/23	02/21/23
Surrogates				**Limits**		
n-Triacontane	102%		%REC	70-130	02/21/23	02/21/23

Type: Lab Control Sample	**Lab ID:** QC1047182	**Batch:** 308064
Matrix: Soil	**Method:** EPA 8015B	**Prep Method:** EPA 3580M

QC1047182 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Diesel C10-C28	218.2	248.0	mg/Kg	88%		76-122
Surrogates						
n-Triacontane	9.741	9.921	mg/Kg	98%		70-130

Type: Matrix Spike	**Lab ID:** QC1047183	**Batch:** 308064
Matrix (Source ID): Soil (479869-001)	**Method:** EPA 8015B	**Prep Method:** EPA 3580M

QC1047183 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Diesel C10-C28	2,752	2194	249.6	mg/Kg	223%	NM	62-126	5
Surrogates								
n-Triacontane	8.716		9.985	mg/Kg		DO	70-130	5

Type: Matrix Spike Duplicate	**Lab ID:** QC1047184	**Batch:** 308064
Matrix (Source ID): Soil (479869-001)	**Method:** EPA 8015B	**Prep Method:** EPA 3580M

QC1047184 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Diesel C10-C28	2,831	2194	249.6	mg/Kg	255%	NM	62-126	3	35	5
Surrogates										
n-Triacontane	8.353		9.985	mg/Kg		DO	70-130			5

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID: QC1044767**	**Batch: 307262**
Matrix: Soil	**Method: EPA 8081A**	**Prep Method: EPA 3546**

QC1044767 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
alpha-BHC	ND		ug/Kg	4.9	02/10/23	02/14/23
beta-BHC	ND		ug/Kg	4.9	02/10/23	02/14/23
gamma-BHC	ND		ug/Kg	4.9	02/10/23	02/14/23
delta-BHC	ND		ug/Kg	4.9	02/10/23	02/14/23
Heptachlor	ND		ug/Kg	4.9	02/10/23	02/14/23
Aldrin	ND		ug/Kg	4.9	02/10/23	02/14/23
Heptachlor epoxide	ND		ug/Kg	4.9	02/10/23	02/14/23
Endosulfan I	ND		ug/Kg	4.9	02/10/23	02/14/23
Dieldrin	ND		ug/Kg	4.9	02/10/23	02/14/23
4,4'-DDE	ND		ug/Kg	4.9	02/10/23	02/14/23
Endrin	ND		ug/Kg	4.9	02/10/23	02/14/23
Endosulfan II	ND		ug/Kg	4.9	02/10/23	02/14/23
Endosulfan sulfate	ND		ug/Kg	4.9	02/10/23	02/14/23
4,4'-DDD	ND		ug/Kg	4.9	02/10/23	02/14/23
Endrin aldehyde	ND		ug/Kg	4.9	02/10/23	02/14/23
Endrin ketone	ND		ug/Kg	4.9	02/10/23	02/14/23
4,4'-DDT	ND		ug/Kg	4.9	02/10/23	02/14/23
Methoxychlor	ND		ug/Kg	20	02/10/23	02/14/23
Toxaphene	ND		ug/Kg	99	02/10/23	02/14/23
Chlordane (Technical)	ND		ug/Kg	49	02/10/23	02/14/23
Surrogates				**Limits**		
TCMX	83%		%REC	23-120	02/10/23	02/14/23
Decachlorobiphenyl	108%		%REC	24-120	02/10/23	02/14/23

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Batch QC

Type: Lab Control Sample	**Lab ID: QC1044768**	**Batch: 307262**
Matrix: Soil	**Method: EPA 8081A**	**Prep Method: EPA 3546**

QC1044768 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
alpha-BHC	47.53	49.60	ug/Kg	96%		22-129
beta-BHC	48.35	49.60	ug/Kg	97%		28-125
gamma-BHC	48.31	49.60	ug/Kg	97%		22-128
delta-BHC	50.91	49.60	ug/Kg	103%		24-131
Heptachlor	46.57	49.60	ug/Kg	94%		18-124
Aldrin	43.40	49.60	ug/Kg	87%		23-120
Heptachlor epoxide	50.34	49.60	ug/Kg	101%		26-120
Endosulfan I	46.71	49.60	ug/Kg	94%		25-126
Dieldrin	52.61	49.60	ug/Kg	106%	#	23-124
4,4'-DDE	51.33	49.60	ug/Kg	103%		28-121
Endrin	54.12	49.60	ug/Kg	109%		25-127
Endosulfan II	52.92	49.60	ug/Kg	107%		29-121
Endosulfan sulfate	55.58	49.60	ug/Kg	112%	#	30-121
4,4'-DDD	53.39	49.60	ug/Kg	108%		26-120
Endrin aldehyde	38.29	49.60	ug/Kg	77%	#	10-120
Endrin ketone	56.48	49.60	ug/Kg	114%	#	28-125
4,4'-DDT	54.57	49.60	ug/Kg	110%	#	22-125
Methoxychlor	60.46	49.60	ug/Kg	122%	#	28-130
Surrogates						
TCMX	40.67	49.60	ug/Kg	82%		23-120
Decachlorobiphenyl	50.85	49.60	ug/Kg	103%		24-120

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC1044769**	**Batch:**	**307262**
Matrix (Source ID):	**Soil (479051-001)**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3546**

QC1044769 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
alpha-BHC	44.64	ND	49.90	ug/Kg	89%		46-120	5
beta-BHC	54.13	ND	49.90	ug/Kg	108%		41-120	5
gamma-BHC	46.51	ND	49.90	ug/Kg	93%		41-120	5
delta-BHC	48.77	ND	49.90	ug/Kg	98%		38-123	5
Heptachlor	48.72	ND	49.90	ug/Kg	98%		39-120	5
Aldrin	45.92	ND	49.90	ug/Kg	92%		34-120	5
Heptachlor epoxide	54.46	ND	49.90	ug/Kg	109%		43-120	5
Endosulfan I	52.18	ND	49.90	ug/Kg	105%		45-120	5
Dieldrin	53.85	ND	49.90	ug/Kg	108%	#	45-120	5
4,4'-DDE	54.86	ND	49.90	ug/Kg	110%		34-120	5
Endrin	57.84	ND	49.90	ug/Kg	116%		40-120	5
Endosulfan II	54.62	ND	49.90	ug/Kg	109%		41-120	5
Endosulfan sulfate	57.99	ND	49.90	ug/Kg	116%	#	42-120	5
4,4'-DDD	53.18	ND	49.90	ug/Kg	107%		41-120	5
Endrin aldehyde	50.61	ND	49.90	ug/Kg	101%	#	30-120	5
Endrin ketone	55.18	ND	49.90	ug/Kg	111%	#	45-120	5
4,4'-DDT	55.99	ND	49.90	ug/Kg	112%	#	35-127	5
Methoxychlor	104.6	ND	49.90	ug/Kg		DO	42-136	5
Surrogates								
TCMX	42.51		49.90	ug/Kg	85%		23-120	5
Decachlorobiphenyl	55.92		49.90	ug/Kg	112%		24-120	5

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Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1044770**	**Batch:**	**307262**
Matrix (Source ID):	**Soil (479051-001)**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3546**

QC1044770 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
alpha-BHC	40.93	ND	49.80	ug/Kg	82%		46-120	8	30	5
beta-BHC	50.62	ND	49.80	ug/Kg	102%		41-120	7	30	5
gamma-BHC	42.23	ND	49.80	ug/Kg	85%		41-120	9	30	5
delta-BHC	46.63	ND	49.80	ug/Kg	94%		38-123	4	30	5
Heptachlor	46.04	ND	49.80	ug/Kg	92%		39-120	5	30	5
Aldrin	45.12	ND	49.80	ug/Kg	91%		34-120	2	30	5
Heptachlor epoxide	52.25	ND	49.80	ug/Kg	105%		43-120	4	30	5
Endosulfan I	50.52	ND	49.80	ug/Kg	101%		45-120	3	30	5
Dieldrin	53.35	ND	49.80	ug/Kg	107%	#	45-120	1	30	5
4,4'-DDE	54.28	ND	49.80	ug/Kg	109%		34-120	1	30	5
Endrin	57.80	ND	49.80	ug/Kg	116%		40-120	0	30	5
Endosulfan II	54.74	ND	49.80	ug/Kg	110%		41-120	0	30	5
Endosulfan sulfate	55.13	ND	49.80	ug/Kg	111%	#	42-120	5	30	5
4,4'-DDD	53.45	ND	49.80	ug/Kg	107%		41-120	1	30	5
Endrin aldehyde	47.02	ND	49.80	ug/Kg	94%	#	30-120	7	30	5
Endrin ketone	55.49	ND	49.80	ug/Kg	111%	#	45-120	1	30	5
4,4'-DDT	54.49	ND	49.80	ug/Kg	109%	#	35-127	3	30	5
Methoxychlor	62.00	ND	49.80	ug/Kg		DO	42-136		30	5
Surrogates										
TCMX	38.42		49.80	ug/Kg	77%		23-120			5
Decachlorobiphenyl	53.54		49.80	ug/Kg	108%		24-120			5

Type:	**Lab Control Sample**	**Lab ID:**	**QC1044316**	**Batch:**	**307153**
Matrix:	**Water**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1044316 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	53.10	50.00	ug/L	106%		70-135
MTBE	52.30	50.00	ug/L	105%		70-130
Benzene	54.48	50.00	ug/L	109%		70-130
Trichloroethene	54.30	50.00	ug/L	109%		70-130
Toluene	54.86	50.00	ug/L	110%		70-130
Chlorobenzene	55.13	50.00	ug/L	110%		70-130
Surrogates						
Dibromofluoromethane	51.54	50.00	ug/L	103%		70-140
1,2-Dichloroethane-d4	49.95	50.00	ug/L	100%		70-140
Toluene-d8	49.80	50.00	ug/L	100%		70-140
Bromofluorobenzene	50.61	50.00	ug/L	101%		70-140

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Batch QC

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC1044317**	**Batch:**	**307153**
Matrix:	**Water**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1044317 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	51.82	50.00	ug/L	104%		70-135	2	30
MTBE	50.88	50.00	ug/L	102%		70-130	3	30
Benzene	52.89	50.00	ug/L	106%		70-130	3	30
Trichloroethene	52.62	50.00	ug/L	105%		70-130	3	30
Toluene	52.66	50.00	ug/L	105%		70-130	4	30
Chlorobenzene	52.55	50.00	ug/L	105%		70-130	5	30
Surrogates								
Dibromofluoromethane	52.61	50.00	ug/L	105%		70-140		
1,2-Dichloroethane-d4	50.27	50.00	ug/L	101%		70-140		
Toluene-d8	49.48	50.00	ug/L	99%		70-140		
Bromofluorobenzene	49.56	50.00	ug/L	99%		70-140		

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Batch QC

Type:	**Blank**	**Lab ID:**	**QC1044320**	**Batch:**	**307153**
Matrix:	**Water**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1044320 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Freon 12	ND		ug/L	0.5	02/09/23	02/09/23
Chloromethane	ND		ug/L	0.5	02/09/23	02/09/23
Vinyl Chloride	ND		ug/L	0.5	02/09/23	02/09/23
Bromomethane	ND		ug/L	1.0	02/09/23	02/09/23
Chloroethane	ND		ug/L	0.5	02/09/23	02/09/23
Trichlorofluoromethane	ND		ug/L	0.5	02/09/23	02/09/23
Acetone	ND		ug/L	25	02/09/23	02/09/23
Freon 113	ND		ug/L	0.5	02/09/23	02/09/23
1,1-Dichloroethene	ND		ug/L	0.5	02/09/23	02/09/23
Methylene Chloride	ND		ug/L	5.0	02/09/23	02/09/23
MTBE	ND		ug/L	0.5	02/09/23	02/09/23
trans-1,2-Dichloroethene	ND		ug/L	0.5	02/09/23	02/09/23
1,1-Dichloroethane	ND		ug/L	0.5	02/09/23	02/09/23
2-Butanone	ND		ug/L	5.0	02/09/23	02/09/23
cis-1,2-Dichloroethene	ND		ug/L	0.5	02/09/23	02/09/23
2,2-Dichloropropane	ND		ug/L	0.5	02/09/23	02/09/23
Chloroform	ND		ug/L	0.5	02/09/23	02/09/23
Bromochloromethane	ND		ug/L	0.5	02/09/23	02/09/23
1,1,1-Trichloroethane	ND		ug/L	0.5	02/09/23	02/09/23
1,1-Dichloropropene	ND		ug/L	0.5	02/09/23	02/09/23
Carbon Tetrachloride	ND		ug/L	0.5	02/09/23	02/09/23
1,2-Dichloroethane	ND		ug/L	0.5	02/09/23	02/09/23
Benzene	ND		ug/L	0.5	02/09/23	02/09/23
Trichloroethene	ND		ug/L	0.5	02/09/23	02/09/23
1,2-Dichloropropane	ND		ug/L	0.5	02/09/23	02/09/23
Bromodichloromethane	ND		ug/L	0.5	02/09/23	02/09/23
Dibromomethane	ND		ug/L	0.5	02/09/23	02/09/23
4-Methyl-2-Pentanone	ND		ug/L	5.0	02/09/23	02/09/23
cis-1,3-Dichloropropene	ND		ug/L	0.5	02/09/23	02/09/23
Toluene	ND		ug/L	0.5	02/09/23	02/09/23
trans-1,3-Dichloropropene	ND		ug/L	0.5	02/09/23	02/09/23
1,1,2-Trichloroethane	ND		ug/L	0.5	02/09/23	02/09/23
1,3-Dichloropropane	ND		ug/L	0.5	02/09/23	02/09/23
Tetrachloroethene	ND		ug/L	0.5	02/09/23	02/09/23
Dibromochloromethane	ND		ug/L	0.5	02/09/23	02/09/23
1,2-Dibromoethane	ND		ug/L	0.5	02/09/23	02/09/23
Chlorobenzene	ND		ug/L	0.5	02/09/23	02/09/23
1,1,1,2-Tetrachloroethane	ND		ug/L	0.5	02/09/23	02/09/23
Ethylbenzene	ND		ug/L	0.5	02/09/23	02/09/23
m,p-Xylenes	ND		ug/L	1.0	02/09/23	02/09/23
o-Xylene	ND		ug/L	0.5	02/09/23	02/09/23
Styrene	ND		ug/L	0.5	02/09/23	02/09/23

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Batch QC

QC1044320 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Bromoform	ND		ug/L	1.0	02/09/23	02/09/23
Propylbenzene	ND		ug/L	0.5	02/09/23	02/09/23
Isopropylbenzene	ND		ug/L	0.5	02/09/23	02/09/23
1,1,2,2-Tetrachloroethane	ND		ug/L	0.5	02/09/23	02/09/23
1,2,3-Trichloropropane	ND		ug/L	0.5	02/09/23	02/09/23
Bromobenzene	ND		ug/L	1.0	02/09/23	02/09/23
1,3,5-Trimethylbenzene	ND		ug/L	0.5	02/09/23	02/09/23
2-Chlorotoluene	ND		ug/L	0.5	02/09/23	02/09/23
4-Chlorotoluene	ND		ug/L	0.5	02/09/23	02/09/23
tert-Butylbenzene	ND		ug/L	0.5	02/09/23	02/09/23
1,2,4-Trimethylbenzene	ND		ug/L	0.5	02/09/23	02/09/23
sec-Butylbenzene	ND		ug/L	0.5	02/09/23	02/09/23
para-Isopropyl Toluene	ND		ug/L	0.5	02/09/23	02/09/23
1,3-Dichlorobenzene	ND		ug/L	0.5	02/09/23	02/09/23
1,4-Dichlorobenzene	ND		ug/L	0.5	02/09/23	02/09/23
n-Butylbenzene	ND		ug/L	0.5	02/09/23	02/09/23
1,2-Dichlorobenzene	ND		ug/L	0.5	02/09/23	02/09/23
1,2-Dibromo-3-Chloropropane	ND		ug/L	2.0	02/09/23	02/09/23
1,2,4-Trichlorobenzene	ND		ug/L	0.5	02/09/23	02/09/23
Hexachlorobutadiene	ND		ug/L	1.0	02/09/23	02/09/23
Naphthalene	ND		ug/L	0.5	02/09/23	02/09/23
1,2,3-Trichlorobenzene	ND		ug/L	0.5	02/09/23	02/09/23
cis-1,4-Dichloro-2-butene	ND		ug/L	1.0	02/09/23	02/09/23
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	02/09/23	02/09/23
Isopropyl Ether (DIPE)	ND		ug/L	0.5	02/09/23	02/09/23
Ethyl tert-Butyl Ether (ETBE)	ND		ug/L	0.5	02/09/23	02/09/23
tert-Butyl Alcohol (TBA)	ND		ug/L	10	02/09/23	02/09/23
Methyl tert-Amyl Ether (TAME)	ND		ug/L	0.5	02/09/23	02/09/23
Xylene (total)	ND		ug/L	0.5	02/09/23	02/09/23
Surrogates				**Limits**		
Dibromofluoromethane	104%		%REC	70-140	02/09/23	02/09/23
1,2-Dichloroethane-d4	101%		%REC	70-140	02/09/23	02/09/23
Toluene-d8	99%		%REC	70-140	02/09/23	02/09/23
Bromofluorobenzene	101%		%REC	70-140	02/09/23	02/09/23

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	Lab ID: QC1046995	Batch: 308037
Matrix: Soil	Method: EPA 8260B	Prep Method: EPA 5030B

QC1046995 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	50.83	50.00	ug/Kg	102%		70-131
MTBE	44.38	50.00	ug/Kg	89%		69-130
Benzene	51.20	50.00	ug/Kg	102%		70-130
Trichloroethene	47.32	50.00	ug/Kg	95%		70-130
Toluene	51.75	50.00	ug/Kg	104%		70-130
Chlorobenzene	50.88	50.00	ug/Kg	102%		70-130
Surrogates						
Dibromofluoromethane	48.98	50.00	ug/Kg	98%		70-130
1,2-Dichloroethane-d4	51.34	50.00	ug/Kg	103%		70-145
Toluene-d8	51.03	50.00	ug/Kg	102%		70-145
Bromofluorobenzene	51.05	50.00	ug/Kg	102%		70-145

Type: Lab Control Sample Duplicate	Lab ID: QC1046996	Batch: 308037
Matrix: Soil	Method: EPA 8260B	Prep Method: EPA 5030B

QC1046996 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	53.64	50.00	ug/Kg	107%		70-131	5	33
MTBE	46.69	50.00	ug/Kg	93%		69-130	5	30
Benzene	54.68	50.00	ug/Kg	109%		70-130	7	30
Trichloroethene	51.12	50.00	ug/Kg	102%		70-130	8	30
Toluene	55.04	50.00	ug/Kg	110%		70-130	6	30
Chlorobenzene	53.97	50.00	ug/Kg	108%		70-130	6	30
Surrogates								
Dibromofluoromethane	48.61	50.00	ug/Kg	97%		70-130		
1,2-Dichloroethane-d4	49.22	50.00	ug/Kg	98%		70-145		
Toluene-d8	50.64	50.00	ug/Kg	101%		70-145		
Bromofluorobenzene	50.40	50.00	ug/Kg	101%		70-145		

ENTHALPY ANALYTICAL

Batch QC

Type:	**Blank**	**Lab ID:**	**QC1046999**	**Batch:**	**308037**
Matrix:	**Soil**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1046999 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
3-Chloropropene	ND		ug/Kg	5.0	02/21/23	02/21/23
cis-1,4-Dichloro-2-butene	ND		ug/Kg	5.0	02/21/23	02/21/23
trans-1,4-Dichloro-2-butene	ND		ug/Kg	5.0	02/21/23	02/21/23
Isopropyl Ether (DIPE)	ND		ug/Kg	5.0	02/21/23	02/21/23
Ethyl tert-Butyl Ether (ETBE)	ND		ug/Kg	5.0	02/21/23	02/21/23
Methyl tert-Amyl Ether (TAME)	ND		ug/Kg	5.0	02/21/23	02/21/23
tert-Butyl Alcohol (TBA)	ND		ug/Kg	10	02/21/23	02/21/23
Freon 12	ND		ug/Kg	5.0	02/21/23	02/21/23
Chloromethane	ND		ug/Kg	5.0	02/21/23	02/21/23
Vinyl Chloride	ND		ug/Kg	5.0	02/21/23	02/21/23
Bromomethane	ND		ug/Kg	5.0	02/21/23	02/21/23
Chloroethane	ND		ug/Kg	5.0	02/21/23	02/21/23
Trichlorofluoromethane	ND		ug/Kg	5.0	02/21/23	02/21/23
Acetone	ND		ug/Kg	100	02/21/23	02/21/23
Freon 113	ND		ug/Kg	5.0	02/21/23	02/21/23
1,1-Dichloroethene	ND		ug/Kg	5.0	02/21/23	02/21/23
Methylene Chloride	ND		ug/Kg	5.0	02/21/23	02/21/23
MTBE	ND		ug/Kg	5.0	02/21/23	02/21/23
trans-1,2-Dichloroethene	ND		ug/Kg	5.0	02/21/23	02/21/23
1,1-Dichloroethane	ND		ug/Kg	5.0	02/21/23	02/21/23
2-Butanone	ND		ug/Kg	100	02/21/23	02/21/23
cis-1,2-Dichloroethene	ND		ug/Kg	5.0	02/21/23	02/21/23
2,2-Dichloropropane	ND		ug/Kg	5.0	02/21/23	02/21/23
Chloroform	ND		ug/Kg	5.0	02/21/23	02/21/23
Bromochloromethane	ND		ug/Kg	5.0	02/21/23	02/21/23
1,1,1-Trichloroethane	ND		ug/Kg	5.0	02/21/23	02/21/23
1,1-Dichloropropene	ND		ug/Kg	5.0	02/21/23	02/21/23
Carbon Tetrachloride	ND		ug/Kg	5.0	02/21/23	02/21/23
1,2-Dichloroethane	ND		ug/Kg	5.0	02/21/23	02/21/23
Benzene	ND		ug/Kg	5.0	02/21/23	02/21/23
Trichloroethene	ND		ug/Kg	5.0	02/21/23	02/21/23
1,2-Dichloropropane	ND		ug/Kg	5.0	02/21/23	02/21/23
Bromodichloromethane	ND		ug/Kg	5.0	02/21/23	02/21/23
Dibromomethane	ND		ug/Kg	5.0	02/21/23	02/21/23
4-Methyl-2-Pentanone	ND		ug/Kg	5.0	02/21/23	02/21/23
cis-1,3-Dichloropropene	ND		ug/Kg	5.0	02/21/23	02/21/23
Toluene	ND		ug/Kg	5.0	02/21/23	02/21/23
trans-1,3-Dichloropropene	ND		ug/Kg	5.0	02/21/23	02/21/23
1,1,2-Trichloroethane	ND		ug/Kg	5.0	02/21/23	02/21/23
1,3-Dichloropropane	ND		ug/Kg	5.0	02/21/23	02/21/23
Tetrachloroethene	ND		ug/Kg	5.0	02/21/23	02/21/23
Dibromochloromethane	ND		ug/Kg	5.0	02/21/23	02/21/23

ENTHALPY ANALYTICAL

Batch QC

QC1046999 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
1,2-Dibromoethane	ND		ug/Kg	5.0	02/21/23	02/21/23
Chlorobenzene	ND		ug/Kg	5.0	02/21/23	02/21/23
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.0	02/21/23	02/21/23
Ethylbenzene	ND		ug/Kg	5.0	02/21/23	02/21/23
m,p-Xylenes	ND		ug/Kg	10	02/21/23	02/21/23
o-Xylene	ND		ug/Kg	5.0	02/21/23	02/21/23
Styrene	ND		ug/Kg	5.0	02/21/23	02/21/23
Bromoform	ND		ug/Kg	5.0	02/21/23	02/21/23
Isopropylbenzene	ND		ug/Kg	5.0	02/21/23	02/21/23
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.0	02/21/23	02/21/23
1,2,3-Trichloropropane	ND		ug/Kg	5.0	02/21/23	02/21/23
Propylbenzene	ND		ug/Kg	5.0	02/21/23	02/21/23
Bromobenzene	ND		ug/Kg	5.0	02/21/23	02/21/23
1,3,5-Trimethylbenzene	ND		ug/Kg	5.0	02/21/23	02/21/23
2-Chlorotoluene	ND		ug/Kg	5.0	02/21/23	02/21/23
4-Chlorotoluene	ND		ug/Kg	5.0	02/21/23	02/21/23
tert-Butylbenzene	ND		ug/Kg	5.0	02/21/23	02/21/23
1,2,4-Trimethylbenzene	ND		ug/Kg	5.0	02/21/23	02/21/23
sec-Butylbenzene	ND		ug/Kg	5.0	02/21/23	02/21/23
para-Isopropyl Toluene	ND		ug/Kg	5.0	02/21/23	02/21/23
1,3-Dichlorobenzene	ND		ug/Kg	5.0	02/21/23	02/21/23
1,4-Dichlorobenzene	ND		ug/Kg	5.0	02/21/23	02/21/23
n-Butylbenzene	ND		ug/Kg	5.0	02/21/23	02/21/23
1,2-Dichlorobenzene	ND		ug/Kg	5.0	02/21/23	02/21/23
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.0	02/21/23	02/21/23
1,2,4-Trichlorobenzene	ND		ug/Kg	5.0	02/21/23	02/21/23
Hexachlorobutadiene	ND		ug/Kg	5.0	02/21/23	02/21/23
Naphthalene	ND		ug/Kg	5.0	02/21/23	02/21/23
1,2,3-Trichlorobenzene	ND		ug/Kg	5.0	02/21/23	02/21/23
Xylene (total)	ND		ug/Kg	5.0	02/21/23	02/21/23
Surrogates				**Limits**		
Dibromofluoromethane	94%		%REC	70-130	02/21/23	02/21/23
1,2-Dichloroethane-d4	101%		%REC	70-145	02/21/23	02/21/23
Toluene-d8	101%		%REC	70-145	02/21/23	02/21/23
Bromofluorobenzene	98%		%REC	70-145	02/21/23	02/21/23

CCV drift outside limits; average CCV drift within limits per method requirements
* Value is outside QC limits
DO Diluted Out
ND Not Detected
NM Not Meaningful
b See narrative

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

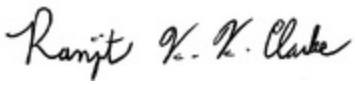
Lab Job Number: 479055
Report Level: II
Report Date: 04/11/2023

Analytical Report *prepared for:*

Chuck Houser
SCS Engineers
8799 Balboa #290
San Diego, CA 92123

Project: MIDWAY RISING - Sports Arena - Supplemental Report 2

Authorized for release by:



Ranjit K Clarke, Client Services Manager
(714) 771-9906
Ranjit.Clarke@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Chuck Houser
SCS Engineers
8799 Balboa #290
San Diego, CA 92123

Lab Job #: 479055
Project No: MIDWAY RISING
Location: Sports Arena - Supplemental Report 2
Date Received: 02/07/23

Sample ID	Lab ID	Collected	Matrix
A-23-012-0.5	479055-001	02/07/23 11:37	Soil
A-23-012-2.5	479055-002	02/07/23 11:39	Soil
A-23-012-5	479055-003	02/07/23 11:56	Soil
A-23-012-7.5	479055-004	02/07/23 12:10	Soil
A-23-012-15	479055-005	02/07/23 12:15	Soil
A-23-015-0.5	479055-006	02/07/23 07:40	Soil
A-23-015-2.5	479055-007	02/07/23 07:45	Soil
A-23-015-5	479055-008	02/07/23 07:46	Soil
A-23-015-7.5	479055-009	02/07/23 07:59	Soil
A-23-015-10	479055-010	02/07/23 08:07	Soil
A-23-016-0.5	479055-011	02/07/23 09:10	Soil
A-23-016-2.5	479055-012	02/07/23 09:15	Soil
A-23-016-5	479055-013	02/07/23 09:20	Soil
A-23-016-7.5	479055-014	02/07/23 09:31	Soil
A-23-016-10	479055-015	02/07/23 09:33	Soil

ENTHALPY ANALYTICAL

Case Narrative

SCS Engineers	Lab Job Number: 479055
8799 Balboa #290	Project No: MIDWAY RISING
San Diego, CA 92123	Location: Sports Arena - Supplemental Report 2
Chuck Houser	Date Received: 02/07/23

- This data package contains sample and QC results for fifteen soil samples, requested for the above referenced project on 02/08/23. The samples were received cold and intact.
- Corrected sampling date discrepancies in the login for all samples. The COC lists 02/07/23 - 02/16/23 as the dates of collection, but these were all changed to 02/07/23 per the client.
- Sample ID for -013 changed from A-23-012-5 to A-23-016-5 per the client.

TPH-Extractables by GC (EPA 8015B):

- A-23-015-0.5 (lab # 479055-006) was diluted due to the dark color of the sample extract.
- No other analytical problems were encountered.

Pesticides (EPA 8081A):

- 479055-012 was prepared outside of hold time; affected data was qualified with "H".
- A-23-012-0.5 (lab # 479055-001), A-23-015-0.5 (lab # 479055-006), and A-23-016-0.5 (lab # 479055-011) were diluted due to the color of the sample extracts.
- No other analytical problems were encountered.

Metals (EPA 6010B and EPA 7471A) Soil:

- High response was observed for selenium in the CCV analyzed 02/11/23 04:36; affected data was qualified with "b".
- High response was observed for selenium in the CCV analyzed 02/11/23 05:15; affected data was qualified with "b".
- High response was observed for selenium in the CCV analyzed 02/11/23 03:57; affected data was qualified with "b".
- Low recoveries were observed for antimony in the MS/MSD of A-23-012-0.5 (lab # 479055-001); the LCS was within limits, and the associated RPD was within limits.
- No other analytical problems were encountered.

Metals (EPA 6010B) TCLP Leachate:

No analytical problems were encountered.

Metals (EPA 6010B) WET Leachate:

No analytical problems were encountered.

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 479055

Page: 1 of 2

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	SCS Engineers	Name:	Midway Rising
Report To:	Chuck Houser	Number:	
Email:	chouser@scsengineers.com	P.O. #:	1213320.07
Address:	8799 Balboa Avenue, Suite 290	Address:	3500 Sports Arena Blvd.
	San Diego, CA 92123		San Diego, CA
Phone:	858-805-5523	Global ID:	
Fax:		Sampled By:	J. Morton

Test Instructions / Comments

*VOCs for specific samples to will be determined based on TPH results

5:4 / 3:7

3:4 / 5:0

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	TPH 8015	VOCs 8260B*	Title 22 Metals 6010	Lead 6010	OCPs 8081
1	A-23-012-0.5	02/07/23	11:37	S	1 8oz Jar	None	X		X		X
2	A-23-012-2.5	02/08/23	11:39	S	1 8oz Jar	None	X		X		
3	A-23-012-5	02/09/23	11:56	S	1 4oz Jar	None	X			X	
4	A-23-012-7.5	02/10/23	12:10	S	1 8oz Jar	None				X	
5	A-23-012-15	02/11/23	12:15	S	1 8oz Jar	None	X				
6	A-23-015-0.5	02/12/23	7:40	S	"	None	X		X		X
7	A-23-015-2.5	02/13/23	7:45	S	"	None				X	
8	A-23-015-5	02/14/23	7:46	S	"	None	X			X	
9	A-23-015-7.5	02/15/23	7:59	S	8 oz Jar	None				X	
10	A-23-015-10	02/16/23	[illegible]	S	6" Sleeve	None	X				

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Jennifer Bauer Morton	SCS Engineers/Project Manager	2/7/2023 17:00
[1] Received By:		TAYLOR NASH	EA-SD	2/7/23 1700
[2] Relinquished By:		TAYLOR NASH	EA-SD	2/8/23 1145
[2] Received By:		Alex Cota	EA SD	2/8/23 12:30
[3] Relinquished By:		Alex Cota	EA OC	2/8/23 17:45
[3] Received By:		[illegible]	EA	2-8-23 1715

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 479055

Page: 2 of 2

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

Enthalpy Analytical - Orange
931 W. Barkley Avenue, Orange, CA 92868
Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	SCS Engineers	Name:	Midway Rising
Report To:	Chuck Houser	Number:	
Email:	chouser@scsengineers.com	P.O. #:	1213320.07
Address:	8799 Balboa Avenue, Suite 290	Address:	3500 Sports Arena Blvd.
	San Diego, CA 92123		San Diego, CA
Phone:	858-805-5523	Global ID:	
Fax:		Sampled By:	J. Morton

Test Instructions / Comments

*VOCs for specific samples to will be determined based on TPH results

5 4 / 3 . 7
3 1 4 / 5 . 8

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	TPH 8015	VOCs 8260B*	Title 22 Metals 6010	Lead 6010	OCPs 8081
1	A-23-016-0.5	02/07/23	9:10	S	8oz Jar	None	X		X		X
2	A-23-016-2.5	02/08/23	9:15	S	8oz Jar	None				X	
3	A-23-012-5	02/09/23	9:20	S	8oz Jar	None	X			X	
4	A-23-016-7.5	02/10/23	9:31	S	6 inch Sleeve	None				X	
5	A-23-016-10	02/10/23	9:33	S	8oz Jar	None	X				
6											
7											
8											
9											
10											

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Jennifer Bauer Morton	SCS Engineers/Project Manager	2/7/2023 17:00
[1] Received By:		TAYLOR NASH	EA-SD	2/7/23 1700
[2] Relinquished By:		TAYLOR NASH	EA-SD	2/8/23 1145
[2] Received By:		Alex Cota	EA SD	2/8/23 12:30
[3] Relinquished By:		Alex Cota	EA QC	2/9/23 17:15
[3] Received By:				2-9-23 17:15

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: SCS Engineering Project: Midway Rising

Date Received: 2/8/23 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 5.4 #2: 3.4 #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 3.7 #2: 5.8 #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✔		
Are sample IDs present?	✔		
Are sampling dates & times present?	✔		
Is a relinquished signature present?	✔		
Are the tests required clearly indicated on the COC?	✔		
Are custody seals present?		✔	
If custody seals are present, were they intact?			✔
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✔
Did all samples arrive intact? If no, indicate in Section 4 below.	✔		
Did all bottle labels agree with COC? (ID, dates and times)	✔		
Were the samples collected in the correct containers for the required tests?	✔		
Are the containers labeled with the correct preservatives?	✔		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?		✔	
Was a sufficient amount of sample submitted for the requested tests?	✔		

Section 5 Explanations/Comments Sample 4 and 5 times don't match on COC

4 on COC: 12:10 / on sample 1201 5 on COC 12:15 / on sample 1213

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 2-8-23

MONTROSE ENVIRONMENTAL

Ranjit Clarke <ranjit.clarke@enthalpy.com>

[EXTERNAL] FW: Midway Rising - Enthalpy Data (479055) (Invoice CINV-166815)

1 message

O'Neal, Allison <AONeal@scsengineers.com> Mon, Feb 20, 2023 at 10:38 AM
To: Ranjit Clarke <Ranjit.Clarke@enthalpy.com>
Cc: "Montague, Luke" <LMontague@scsengineers.com>, "Houser, Chuck" <CHouser@scsengineers.com>, "Morton, Jen" <JMorton@scsengineers.com>

Hi Ranjit,

Please run the additional analysis for the samples indicated below on a standard TAT:

OCPS (8081A)-

A-23-016-2.5

WET lead-

A-23-012-2.5

A-23-012-5

TCLP lead-

A-23-012-2.5

A-23-012-5

Thank you,

Allison O'Neal

SCS Engineers

San Diego, CA

858-583-7763 (W)

858-287-0277 (C)

aoneal@scsengineers.com

MONTROSE ENVIRONMENTAL

Ranjit Clarke <ranjit.clarke@enthalpy.com>

[EXTERNAL] FW: Attached Image

1 message

Houser, Chuck <CHouser@scsengineers.com> Wed, Feb 22, 2023 at 4:24 PM
To: "Ranjit.Clarke@enthalpy.com" <Ranjit.Clarke@enthalpy.com>
Cc: "O'Neal, Allison" <AONeal@scsengineers.com>, "Montague, Luke" <LMontague@scsengineers.com>

Ranjit,

I'd like to request the additional analyses as indicted on the attached C-O-Cs:

- A-23-012-15 for lead
- A-23-016-2.5 for OCPs

The more critical is the sample for lead and I know that hold time is fine. A-23-016-2.5 may be too tight for the hold time. If not possible to run it that's fine.

Thanks.

Chuck

Chuck Houser, CHg

Project Manager

SCS Engineers

Office 858-571-5500 Ext. 2908

Direct: 858-583-7738

Mobile: 858-805-5523

chouser@scsengineers.com

From: scsmail@scsengineers.com <scsmail@scsengineers.com>
Sent: Wednesday, February 22, 2023 4:23 PM
To: Houser, Chuck <CHouser@scsengineers.com>
Subject: Attached Image

MONTROSE ENVIRONMENTAL

Ranjit Clarke <ranjit.clarke@enthalpy.com>

[EXTERNAL] Sports Arena-Midway Rising

1 message

Houser, Chuck <CHouser@scsengineers.com> Wed, Apr 5, 2023 at 1:06 PM
To: "Ranjit.Clarke@enthalpy.com" <Ranjit.Clarke@enthalpy.com>
Cc: "O'Neal, Allison" <AONeal@scsengineers.com>, "Montague, Luke" <LMontague@scsengineers.com>

Ranjit,

Please additionally analyze the following samples from the project for arsenic:

- A-23-012-5
- A-23-015-2.5
- DP-23-031-2.5
- DP-23-032-2.5
- DP-23-035-2.5
- DP-23-038-2.5
- DP-23-039-2.5
- DPV-23-052-2.5

Also attached is a lab report that needs several sample numbers adjusted, if not already done. I edited them and highlighted the ones I edited. I know we adjusted some sample numbers earlier, I don't know if we missed adjusting this one or if it was done and I'm just not seeing the revised report. Several of the above samples for additional analyses are in this report and needing their number changed.

Thanks

Chuck

Chuck Houser, CHg

Project Manager

SCS Engineers

Office 858-571-5500 Ext. 2908

Direct: 858-583-7738

Mobile: 858-805-5523

ENTHALPY ANALYTICAL

Analysis Results for 479055

Chuck Houser
SCS Engineers
8799 Balboa #290
San Diego, CA 92123

Lab Job #: 479055
Project No: MIDWAY RISING
Location: Sports Arena - Supplemental Report 2
Date Received: 02/07/23

Sample ID: A-23-012-0.5 **Lab ID: 479055-001** **Collected: 02/07/23 11:37**
Matrix: Soil

479055-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	2.9	0.95	307185	02/09/23	02/13/23	SBW
Arsenic	**6.1**		mg/Kg	0.95	0.95	307185	02/09/23	02/13/23	SBW
Barium	**60**		mg/Kg	0.95	0.95	307185	02/09/23	02/11/23	SBW
Beryllium	ND		mg/Kg	0.48	0.95	307185	02/09/23	02/11/23	SBW
Cadmium	ND		mg/Kg	0.48	0.95	307185	02/09/23	02/11/23	SBW
Chromium	**12**		mg/Kg	0.95	0.95	307185	02/09/23	02/11/23	SBW
Cobalt	**6.2**		mg/Kg	0.48	0.95	307185	02/09/23	02/11/23	SBW
Copper	**11**		mg/Kg	0.95	0.95	307185	02/09/23	02/11/23	SBW
Lead	**13**		mg/Kg	0.95	0.95	307185	02/09/23	02/11/23	SBW
Molybdenum	ND		mg/Kg	0.95	0.95	307185	02/09/23	02/11/23	SBW
Nickel	**7.7**		mg/Kg	0.95	0.95	307185	02/09/23	02/11/23	SBW
Selenium	ND		mg/Kg	2.9	0.95	307185	02/09/23	02/11/23	SBW
Silver	ND		mg/Kg	0.48	0.95	307185	02/09/23	02/11/23	SBW
Thallium	ND		mg/Kg	2.9	0.95	307185	02/09/23	02/11/23	SBW
Vanadium	**37**		mg/Kg	0.95	0.95	307185	02/09/23	02/11/23	SBW
Zinc	**52**		mg/Kg	4.8	0.95	307185	02/09/23	02/13/23	SBW
Method: EPA 7471A Prep Method: METHOD									
Mercury	ND		mg/Kg	0.15	1.1	307206	02/09/23	02/13/23	KAM
Method: EPA 8015B Prep Method: EPA 3580M									
TPH (C6-C12)	ND		mg/Kg	9.9	0.99	307287	02/10/23	02/13/23	SME
TPH (C13-C22)	ND		mg/Kg	9.9	0.99	307287	02/10/23	02/13/23	SME
TPH (C23-C44)	**58**		mg/Kg	50	0.99	307287	02/10/23	02/13/23	SME
Surrogates				**Limits**					
n-Triacontane	101%		%REC	70-130	0.99	307287	02/10/23	02/13/23	SME
Method: EPA 8081A Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	25	5	307262	02/10/23	02/13/23	MES
beta-BHC	ND		ug/Kg	25	5	307262	02/10/23	02/13/23	MES
gamma-BHC	ND		ug/Kg	25	5	307262	02/10/23	02/13/23	MES
delta-BHC	ND		ug/Kg	25	5	307262	02/10/23	02/13/23	MES
Heptachlor	ND		ug/Kg	25	5	307262	02/10/23	02/13/23	MES
Aldrin	ND		ug/Kg	25	5	307262	02/10/23	02/13/23	MES
Heptachlor epoxide	ND		ug/Kg	25	5	307262	02/10/23	02/13/23	MES

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 479055

479055-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Endosulfan I	ND		ug/Kg	25	5	307262	02/10/23	02/13/23	MES
Dieldrin	ND		ug/Kg	25	5	307262	02/10/23	02/13/23	MES
4,4'-DDE	ND		ug/Kg	25	5	307262	02/10/23	02/13/23	MES
Endrin	ND		ug/Kg	25	5	307262	02/10/23	02/13/23	MES
Endosulfan II	ND		ug/Kg	25	5	307262	02/10/23	02/13/23	MES
Endosulfan sulfate	ND		ug/Kg	25	5	307262	02/10/23	02/13/23	MES
4,4'-DDD	ND		ug/Kg	25	5	307262	02/10/23	02/13/23	MES
Endrin aldehyde	ND		ug/Kg	25	5	307262	02/10/23	02/13/23	MES
Endrin ketone	ND		ug/Kg	25	5	307262	02/10/23	02/13/23	MES
4,4'-DDT	ND		ug/Kg	25	5	307262	02/10/23	02/13/23	MES
Methoxychlor	ND		ug/Kg	50	5	307262	02/10/23	02/13/23	MES
Toxaphene	ND		ug/Kg	500	5	307262	02/10/23	02/13/23	MES
Chlordane (Technical)	ND		ug/Kg	250	5	307262	02/10/23	02/13/23	MES
Surrogates				**Limits**					
TCMX	95%		%REC	23-120	5	307262	02/10/23	02/13/23	MES
Decachlorobiphenyl	99%		%REC	24-120	5	307262	02/10/23	02/13/23	MES

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 479055

Sample ID: A-23-012-2.5	Lab ID: 479055-002	Collected: 02/07/23 11:39

479055-002 Analyte	Result	Qual	Units	RL	Matrix	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3010A										
Lead	**0.65**		mg/L	0.015	TCLP Leachate	1	308140	02/22/23	02/24/23	SBW
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	**8.8**		mg/Kg	3.0	Soil	0.99	307185	02/09/23	02/13/23	SBW
Arsenic	**6.4**		mg/Kg	0.99	Soil	0.99	307185	02/09/23	02/13/23	SBW
Barium	**580**		mg/Kg	0.99	Soil	0.99	307185	02/09/23	02/11/23	SBW
Beryllium	ND		mg/Kg	0.50	Soil	0.99	307185	02/09/23	02/11/23	SBW
Cadmium	**0.88**		mg/Kg	0.50	Soil	0.99	307185	02/09/23	02/11/23	SBW
Chromium	**28**		mg/Kg	0.99	Soil	0.99	307185	02/09/23	02/11/23	SBW
Cobalt	**6.8**		mg/Kg	0.50	Soil	0.99	307185	02/09/23	02/11/23	SBW
Copper	**130**		mg/Kg	0.99	Soil	0.99	307185	02/09/23	02/11/23	SBW
Lead	**3,500**		mg/Kg	9.9	Soil	9.9	307185	02/09/23	02/13/23	SBW
Molybdenum	ND		mg/Kg	0.99	Soil	0.99	307185	02/09/23	02/11/23	SBW
Nickel	**13**		mg/Kg	0.99	Soil	0.99	307185	02/09/23	02/11/23	SBW
Selenium	ND		mg/Kg	3.0	Soil	0.99	307185	02/09/23	02/11/23	SBW
Silver	**5.0**		mg/Kg	0.50	Soil	0.99	307185	02/09/23	02/11/23	SBW
Thallium	ND		mg/Kg	3.0	Soil	0.99	307185	02/09/23	02/11/23	SBW
Vanadium	**40**		mg/Kg	0.99	Soil	0.99	307185	02/09/23	02/11/23	SBW
Zinc	**840**		mg/Kg	5.0	Soil	0.99	307185	02/09/23	02/13/23	SBW
Method: EPA 6010B Prep Method: WET										
Lead	**12**		mg/L	0.15	WET Leachate	10	308359	02/24/23	02/25/23	SBW
Method: EPA 7471A Prep Method: METHOD										
Mercury	**0.48**		mg/Kg	0.16	Soil	1.2	307206	02/09/23	02/13/23	KAM
Method: EPA 8015B Prep Method: EPA 3580M										
TPH (C6-C12)	ND		mg/Kg	9.9	Soil	0.99	307287	02/10/23	02/13/23	SME
TPH (C13-C22)	ND		mg/Kg	9.9	Soil	0.99	307287	02/10/23	02/13/23	SME
TPH (C23-C44)	ND		mg/Kg	50	Soil	0.99	307287	02/10/23	02/13/23	SME
Surrogates				**Limits**						
n-Triacontane	103%		%REC	70-130	Soil	0.99	307287	02/10/23	02/13/23	SME

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 479055

Sample ID: A-23-012-5	Lab ID: 479055-003	Collected: 02/07/23 11:56

479055-003 Analyte	Result	Qual	Units	RL	Matrix	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B										
Arsenic	**3.7**		mg/Kg	0.99	Soil	0.99	311360	04/07/23	04/10/23	SBW
Lead	**1,400**		mg/Kg	9.8	Soil	9.8	307185	02/09/23	02/13/23	SBW
Method: EPA 6010B Prep Method: WET										
Lead	**28**		mg/L	0.15	WET Leachate	10	308359	02/24/23	02/25/23	SBW
Method: EPA 8015B Prep Method: EPA 3580M										
TPH (C6-C12)	ND		mg/Kg	10	Soil	1	307287	02/10/23	02/13/23	SME
TPH (C13-C22)	ND		mg/Kg	10	Soil	1	307287	02/10/23	02/13/23	SME
TPH (C23-C44)	ND		mg/Kg	50	Soil	1	307287	02/10/23	02/13/23	SME
Surrogates				**Limits**						
n-Triacontane	103%		%REC	70-130	Soil	1	307287	02/10/23	02/13/23	SME

Sample ID: A-23-012-7.5	Lab ID: 479055-004	Collected: 02/07/23 12:10
	Matrix: Soil	

479055-004 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	**12**		mg/Kg	0.97	0.97	307185	02/09/23	02/11/23	SBW

Sample ID: A-23-012-15	Lab ID: 479055-005	Collected: 02/07/23 12:15
	Matrix: Soil	

479055-005 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	**4.4**		mg/Kg	1.1	1.1	308545	02/27/23	02/28/23	SBW
Method: EPA 8015B Prep Method: EPA 3580M									
TPH (C6-C12)	ND		mg/Kg	9.9	0.99	307287	02/10/23	02/13/23	SME
TPH (C13-C22)	ND		mg/Kg	9.9	0.99	307287	02/10/23	02/13/23	SME
TPH (C23-C44)	ND		mg/Kg	50	0.99	307287	02/10/23	02/13/23	SME
Surrogates				**Limits**					
n-Triacontane	99%		%REC	70-130	0.99	307287	02/10/23	02/13/23	SME

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 479055

Sample ID: A-23-015-0.5	Lab ID: 479055-006	Collected: 02/07/23 07:40
	Matrix: Soil	

479055-006 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	2.9	0.98	307185	02/09/23	02/11/23	SBW
Arsenic	**6.9**		mg/Kg	0.98	0.98	307185	02/09/23	02/13/23	SBW
Barium	**120**		mg/Kg	0.98	0.98	307185	02/09/23	02/11/23	SBW
Beryllium	ND		mg/Kg	0.49	0.98	307185	02/09/23	02/11/23	SBW
Cadmium	ND		mg/Kg	0.49	0.98	307185	02/09/23	02/11/23	SBW
Chromium	**15**		mg/Kg	0.98	0.98	307185	02/09/23	02/11/23	SBW
Cobalt	**4.9**		mg/Kg	0.49	0.98	307185	02/09/23	02/11/23	SBW
Copper	**6.1**		mg/Kg	0.98	0.98	307185	02/09/23	02/11/23	SBW
Lead	**9.6**		mg/Kg	0.98	0.98	307185	02/09/23	02/11/23	SBW
Molybdenum	ND		mg/Kg	0.98	0.98	307185	02/09/23	02/11/23	SBW
Nickel	**5.3**		mg/Kg	0.98	0.98	307185	02/09/23	02/11/23	SBW
Selenium	ND		mg/Kg	2.9	0.98	307185	02/09/23	02/11/23	SBW
Silver	ND		mg/Kg	0.49	0.98	307185	02/09/23	02/11/23	SBW
Thallium	ND		mg/Kg	2.9	0.98	307185	02/09/23	02/11/23	SBW
Vanadium	**26**		mg/Kg	0.98	0.98	307185	02/09/23	02/11/23	SBW
Zinc	**30**		mg/Kg	4.9	0.98	307185	02/09/23	02/13/23	SBW
Method: EPA 7471A Prep Method: METHOD									
Mercury	ND		mg/Kg	0.15	1.1	307206	02/09/23	02/13/23	KAM
Method: EPA 8015B Prep Method: EPA 3580M									
TPH (C6-C12)	ND		mg/Kg	50	5	307287	02/10/23	02/13/23	SME
TPH (C13-C22)	ND		mg/Kg	50	5	307287	02/10/23	02/13/23	SME
TPH (C23-C44)	ND		mg/Kg	250	5	307287	02/10/23	02/13/23	SME
Surrogates				**Limits**					
n-Triacontane	99%		%REC	70-130	5	307287	02/10/23	02/13/23	SME
Method: EPA 8081A Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	25	4.9	307262	02/10/23	02/13/23	MES
beta-BHC	ND		ug/Kg	25	4.9	307262	02/10/23	02/13/23	MES
gamma-BHC	ND		ug/Kg	25	4.9	307262	02/10/23	02/13/23	MES
delta-BHC	ND		ug/Kg	25	4.9	307262	02/10/23	02/13/23	MES
Heptachlor	ND		ug/Kg	25	4.9	307262	02/10/23	02/13/23	MES
Aldrin	ND		ug/Kg	25	4.9	307262	02/10/23	02/13/23	MES
Heptachlor epoxide	ND		ug/Kg	25	4.9	307262	02/10/23	02/13/23	MES
Endosulfan I	ND		ug/Kg	25	4.9	307262	02/10/23	02/13/23	MES
Dieldrin	ND		ug/Kg	25	4.9	307262	02/10/23	02/13/23	MES
4,4'-DDE	ND		ug/Kg	25	4.9	307262	02/10/23	02/13/23	MES
Endrin	ND		ug/Kg	25	4.9	307262	02/10/23	02/13/23	MES
Endosulfan II	ND		ug/Kg	25	4.9	307262	02/10/23	02/13/23	MES

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 479055

479055-006 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Endosulfan sulfate	ND		ug/Kg	25	4.9	307262	02/10/23	02/13/23	MES
4,4'-DDD	ND		ug/Kg	25	4.9	307262	02/10/23	02/13/23	MES
Endrin aldehyde	ND		ug/Kg	25	4.9	307262	02/10/23	02/13/23	MES
Endrin ketone	ND		ug/Kg	25	4.9	307262	02/10/23	02/13/23	MES
4,4'-DDT	ND		ug/Kg	25	4.9	307262	02/10/23	02/13/23	MES
Methoxychlor	ND		ug/Kg	49	4.9	307262	02/10/23	02/13/23	MES
Toxaphene	ND		ug/Kg	490	4.9	307262	02/10/23	02/13/23	MES
Chlordane (Technical)	ND		ug/Kg	250	4.9	307262	02/10/23	02/13/23	MES
Surrogates				**Limits**					
TCMX	84%		%REC	23-120	4.9	307262	02/10/23	02/13/23	MES
Decachlorobiphenyl	65%		%REC	24-120	4.9	307262	02/10/23	02/13/23	MES

Sample ID: A-23-015-2.5 **Lab ID: 479055-007** **Collected: 02/07/23 07:45**
Matrix: Soil

479055-007 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Arsenic	**10**		mg/Kg	0.96	0.96	311360	04/07/23	04/10/23	SBW
Lead	**12**		mg/Kg	0.96	0.96	307185	02/09/23	02/11/23	SBW

Sample ID: A-23-015-5 **Lab ID: 479055-008** **Collected: 02/07/23 07:46**
Matrix: Soil

479055-008 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	**12**		mg/Kg	0.98	0.98	307185	02/09/23	02/11/23	SBW
Method: EPA 8015B Prep Method: EPA 3580M									
TPH (C6-C12)	ND		mg/Kg	9.9	0.99	307287	02/10/23	02/13/23	SME
TPH (C13-C22)	ND		mg/Kg	9.9	0.99	307287	02/10/23	02/13/23	SME
TPH (C23-C44)	ND		mg/Kg	50	0.99	307287	02/10/23	02/13/23	SME
Surrogates				**Limits**					
n-Triacontane	102%		%REC	70-130	0.99	307287	02/10/23	02/13/23	SME

Sample ID: A-23-015-7.5 **Lab ID: 479055-009** **Collected: 02/07/23 07:59**
Matrix: Soil

479055-009 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	**9.7**		mg/Kg	0.99	0.99	307185	02/09/23	02/11/23	SBW

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 479055

Sample ID: A-23-015-10	Lab ID: 479055-010	Collected: 02/07/23 08:07
	Matrix: Soil	

479055-010 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8015B Prep Method: EPA 3580M									
TPH (C6-C12)	ND		mg/Kg	9.9	0.99	307287	02/10/23	02/13/23	SME
TPH (C13-C22)	ND		mg/Kg	9.9	0.99	307287	02/10/23	02/13/23	SME
TPH (C23-C44)	ND		mg/Kg	50	0.99	307287	02/10/23	02/13/23	SME
Surrogates				**Limits**					
n-Triacontane	104%		%REC	70-130	0.99	307287	02/10/23	02/13/23	SME

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 479055

Sample ID: A-23-016-0.5	Lab ID: 479055-011	Collected: 02/07/23 09:10
	Matrix: Soil	

479055-011 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	2.9	0.96	307185	02/09/23	02/11/23	SBW
Arsenic	**3.5**		mg/Kg	0.96	0.96	307185	02/09/23	02/13/23	SBW
Barium	**82**		mg/Kg	0.96	0.96	307185	02/09/23	02/11/23	SBW
Beryllium	ND		mg/Kg	0.48	0.96	307185	02/09/23	02/11/23	SBW
Cadmium	ND		mg/Kg	0.48	0.96	307185	02/09/23	02/11/23	SBW
Chromium	**20**		mg/Kg	0.96	0.96	307185	02/09/23	02/11/23	SBW
Cobalt	**6.7**		mg/Kg	0.48	0.96	307185	02/09/23	02/11/23	SBW
Copper	**14**		mg/Kg	0.96	0.96	307185	02/09/23	02/11/23	SBW
Lead	**21**		mg/Kg	0.96	0.96	307185	02/09/23	02/11/23	SBW
Molybdenum	ND		mg/Kg	0.96	0.96	307185	02/09/23	02/11/23	SBW
Nickel	**8.0**		mg/Kg	0.96	0.96	307185	02/09/23	02/11/23	SBW
Selenium	ND		mg/Kg	2.9	0.96	307185	02/09/23	02/11/23	SBW
Silver	ND		mg/Kg	0.48	0.96	307185	02/09/23	02/11/23	SBW
Thallium	ND		mg/Kg	2.9	0.96	307185	02/09/23	02/11/23	SBW
Vanadium	**46**		mg/Kg	0.96	0.96	307185	02/09/23	02/11/23	SBW
Zinc	**64**		mg/Kg	4.8	0.96	307185	02/09/23	02/13/23	SBW
Method: EPA 7471A Prep Method: METHOD									
Mercury	ND		mg/Kg	0.16	1.1	307206	02/09/23	02/13/23	KAM
Method: EPA 8015B Prep Method: EPA 3580M									
TPH (C6-C12)	ND		mg/Kg	10	1	307287	02/10/23	02/13/23	SME
TPH (C13-C22)	ND		mg/Kg	10	1	307287	02/10/23	02/13/23	SME
TPH (C23-C44)	ND		mg/Kg	50	1	307287	02/10/23	02/13/23	SME
Surrogates				**Limits**					
n-Triacontane	100%		%REC	70-130	1	307287	02/10/23	02/13/23	SME
Method: EPA 8081A Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	25	5	307262	02/10/23	02/13/23	MES
beta-BHC	ND		ug/Kg	25	5	307262	02/10/23	02/13/23	MES
gamma-BHC	ND		ug/Kg	25	5	307262	02/10/23	02/13/23	MES
delta-BHC	ND		ug/Kg	25	5	307262	02/10/23	02/13/23	MES
Heptachlor	ND		ug/Kg	25	5	307262	02/10/23	02/13/23	MES
Aldrin	ND		ug/Kg	25	5	307262	02/10/23	02/13/23	MES
Heptachlor epoxide	ND		ug/Kg	25	5	307262	02/10/23	02/13/23	MES
Endosulfan I	ND		ug/Kg	25	5	307262	02/10/23	02/13/23	MES
Dieldrin	ND		ug/Kg	25	5	307262	02/10/23	02/13/23	MES
4,4'-DDE	**45**	#	ug/Kg	25	5	307262	02/10/23	02/13/23	MES
Endrin	ND		ug/Kg	25	5	307262	02/10/23	02/13/23	MES
Endosulfan II	ND		ug/Kg	25	5	307262	02/10/23	02/13/23	MES

Results for any subcontracted analyses are not included in this section.

Analysis Results for 479055

479055-011 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Endosulfan sulfate	ND		ug/Kg	25	5	307262	02/10/23	02/13/23	MES
4,4'-DDD	ND		ug/Kg	25	5	307262	02/10/23	02/13/23	MES
Endrin aldehyde	ND		ug/Kg	25	5	307262	02/10/23	02/13/23	MES
Endrin ketone	ND		ug/Kg	25	5	307262	02/10/23	02/13/23	MES
4,4'-DDT	ND		ug/Kg	25	5	307262	02/10/23	02/13/23	MES
Methoxychlor	ND		ug/Kg	50	5	307262	02/10/23	02/13/23	MES
Toxaphene	ND		ug/Kg	500	5	307262	02/10/23	02/13/23	MES
Chlordane (Technical)	ND		ug/Kg	250	5	307262	02/10/23	02/13/23	MES
Surrogates				**Limits**					
TCMX	91%		%REC	23-120	5	307262	02/10/23	02/13/23	MES
Decachlorobiphenyl	79%		%REC	24-120	5	307262	02/10/23	02/13/23	MES

Sample ID: A-23-016-2.5 **Lab ID: 479055-012** **Collected: 02/07/23 09:15**
Matrix: Soil

479055-012 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	**5.6**		mg/Kg	0.96	0.96	307185	02/09/23	02/11/23	SBW
Method: EPA 8081A Prep Method: EPA 3546									
alpha-BHC	ND	H	ug/Kg	5.0	1	308548	02/27/23	02/27/23	MES
beta-BHC	ND	H	ug/Kg	5.0	1	308548	02/27/23	02/27/23	MES
gamma-BHC	ND	H	ug/Kg	5.0	1	308548	02/27/23	02/27/23	MES
delta-BHC	ND	H	ug/Kg	5.0	1	308548	02/27/23	02/27/23	MES
Heptachlor	ND	H	ug/Kg	5.0	1	308548	02/27/23	02/27/23	MES
Aldrin	ND	H	ug/Kg	5.0	1	308548	02/27/23	02/27/23	MES
Heptachlor epoxide	ND	H	ug/Kg	5.0	1	308548	02/27/23	02/27/23	MES
Endosulfan I	ND	H	ug/Kg	5.0	1	308548	02/27/23	02/27/23	MES
Dieldrin	ND	H	ug/Kg	5.0	1	308548	02/27/23	02/27/23	MES
4,4'-DDE	ND	H	ug/Kg	5.0	1	308548	02/27/23	02/27/23	MES
Endrin	ND	H	ug/Kg	5.0	1	308548	02/27/23	02/27/23	MES
Endosulfan II	ND	H	ug/Kg	5.0	1	308548	02/27/23	02/27/23	MES
Endosulfan sulfate	ND	H	ug/Kg	5.0	1	308548	02/27/23	02/27/23	MES
4,4'-DDD	ND	H	ug/Kg	5.0	1	308548	02/27/23	02/27/23	MES
Endrin aldehyde	ND	H	ug/Kg	5.0	1	308548	02/27/23	02/27/23	MES
Endrin ketone	ND	H	ug/Kg	5.0	1	308548	02/27/23	02/27/23	MES
4,4'-DDT	ND	H	ug/Kg	5.0	1	308548	02/27/23	02/27/23	MES
Methoxychlor	ND	H	ug/Kg	10	1	308548	02/27/23	02/27/23	MES
Toxaphene	ND	H	ug/Kg	100	1	308548	02/27/23	02/27/23	MES
Chlordane (Technical)	ND	H	ug/Kg	50	1	308548	02/27/23	02/27/23	MES
Surrogates				**Limits**					
TCMX	59%	H	%REC	23-120	1	308548	02/27/23	02/27/23	MES
Decachlorobiphenyl	66%	H	%REC	24-120	1	308548	02/27/23	02/27/23	MES

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 479055

Sample ID: A-23-016-5	Lab ID: 479055-013	Collected: 02/07/23 09:20
	Matrix: Soil	

479055-013 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	**1.7**		mg/Kg	1.0	1	307185	02/09/23	02/11/23	SBW
Method: EPA 8015B Prep Method: EPA 3580M									
TPH (C6-C12)	ND		mg/Kg	9.9	0.99	307287	02/10/23	02/13/23	SME
TPH (C13-C22)	ND		mg/Kg	9.9	0.99	307287	02/10/23	02/13/23	SME
TPH (C23-C44)	ND		mg/Kg	50	0.99	307287	02/10/23	02/13/23	SME
Surrogates				**Limits**					
n-Triacontane	111%		%REC	70-130	0.99	307287	02/10/23	02/13/23	SME

Sample ID: A-23-016-7.5	Lab ID: 479055-014	Collected: 02/07/23 09:31
	Matrix: Soil	

479055-014 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	**1.8**		mg/Kg	0.99	0.99	307185	02/09/23	02/11/23	SBW

Sample ID: A-23-016-10	Lab ID: 479055-015	Collected: 02/07/23 09:33
	Matrix: Soil	

479055-015 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8015B Prep Method: EPA 3580M									
TPH (C6-C12)	ND		mg/Kg	9.9	0.99	307287	02/10/23	02/14/23	SME
TPH (C13-C22)	ND		mg/Kg	9.9	0.99	307287	02/10/23	02/14/23	SME
TPH (C23-C44)	ND		mg/Kg	50	0.99	307287	02/10/23	02/14/23	SME
Surrogates				**Limits**					
n-Triacontane	104%		%REC	70-130	0.99	307287	02/10/23	02/14/23	SME

CCV drift outside limits; average CCV drift within limits per method requirements
H Holding time was exceeded
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1047335	Batch: 308140
Matrix: TCLP Leachate	Method: EPA 6010B	Prep Method: EPA 3010A

QC1047335 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Lead	ND		mg/L	0.015	02/22/23	02/24/23

Type: Lab Control Sample	Lab ID: QC1047336	Batch: 308140
Matrix: TCLP Leachate	Method: EPA 6010B	Prep Method: EPA 3010A

QC1047336 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Lead	2.092	2.000	mg/L	105%		80-120

Type: Matrix Spike	Lab ID: QC1047509	Batch: 308140
Matrix (Source ID): TCLP Leachate (479363-056)	Method: EPA 6010B	Prep Method: EPA 3010A

QC1047509 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Lead	2.094	0.05411	2.000	mg/L	102%		75-125	1

Type: Matrix Spike Duplicate	Lab ID: QC1047510	Batch: 308140
Matrix (Source ID): TCLP Leachate (479363-056)	Method: EPA 6010B	Prep Method: EPA 3010A

QC1047510 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Lead	2.095	0.05411	2.000	mg/L	102%		75-125	0	20	1

Type: Blank	Lab ID: QC1047930	Batch: 308359
Matrix: WET Leachate	Method: EPA 6010B	Prep Method: WET

QC1047930 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Lead	ND		mg/L	0.15	02/24/23	02/24/23

Type: Lab Control Sample	Lab ID: QC1047931	Batch: 308359
Matrix: WET Leachate	Method: EPA 6010B	Prep Method: WET

QC1047931 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Lead	4.030	4.000	mg/L	101%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC1047932**	**Batch:**	**308359**
Matrix:	**WET Leachate**	**Method:**	**EPA 6010B**	**Prep Method:**	**WET**

QC1047932 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Lead	4.007	4.000	mg/L	100%		80-120	1	20

Type:	**Blank**	**Lab ID:**	**QC1044411**	**Batch:**	**307185**
Matrix:	**Soil**	**Method:**	**EPA 6010B**	**Prep Method:**	**EPA 3050B**

QC1044411 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Antimony	ND		mg/Kg	3.0	02/09/23	02/11/23
Arsenic	ND		mg/Kg	1.0	02/09/23	02/11/23
Barium	ND		mg/Kg	1.0	02/09/23	02/11/23
Beryllium	ND		mg/Kg	0.50	02/09/23	02/11/23
Cadmium	ND		mg/Kg	0.50	02/09/23	02/11/23
Chromium	ND		mg/Kg	1.0	02/09/23	02/11/23
Cobalt	ND		mg/Kg	0.50	02/09/23	02/11/23
Copper	ND		mg/Kg	1.0	02/09/23	02/11/23
Lead	ND		mg/Kg	1.0	02/09/23	02/11/23
Molybdenum	ND		mg/Kg	1.0	02/09/23	02/11/23
Nickel	ND		mg/Kg	1.0	02/09/23	02/11/23
Selenium	ND		mg/Kg	3.0	02/09/23	02/11/23
Silver	ND		mg/Kg	0.50	02/09/23	02/11/23
Thallium	ND		mg/Kg	3.0	02/09/23	02/11/23
Vanadium	ND		mg/Kg	1.0	02/09/23	02/11/23
Zinc	ND		mg/Kg	5.0	02/09/23	02/11/23

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Batch QC

Type: Lab Control Sample	Lab ID: QC1044412	Batch: 307185
Matrix: Soil	Method: EPA 6010B	Prep Method: EPA 3050B

QC1044412 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Antimony	111.4	100.0	mg/Kg	111%		80-120
Arsenic	107.8	100.0	mg/Kg	108%		80-120
Barium	104.6	100.0	mg/Kg	105%		80-120
Beryllium	105.9	100.0	mg/Kg	106%		80-120
Cadmium	98.89	100.0	mg/Kg	99%		80-120
Chromium	95.89	100.0	mg/Kg	96%		80-120
Cobalt	107.5	100.0	mg/Kg	108%		80-120
Copper	90.38	100.0	mg/Kg	90%		80-120
Lead	104.9	100.0	mg/Kg	105%		80-120
Molybdenum	103.6	100.0	mg/Kg	104%		80-120
Nickel	105.2	100.0	mg/Kg	105%		80-120
Selenium	98.16	100.0	mg/Kg	98%	b	80-120
Silver	49.80	50.00	mg/Kg	100%		80-120
Thallium	93.68	100.0	mg/Kg	94%		80-120
Vanadium	101.7	100.0	mg/Kg	102%		80-120
Zinc	110.6	100.0	mg/Kg	111%		80-120

Type: Matrix Spike	Lab ID: QC1044413	Batch: 307185
Matrix (Source ID): Soil (479055-001)	Method: EPA 6010B	Prep Method: EPA 3050B

QC1044413 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Antimony	43.92	ND	98.04	mg/Kg	45%	*	75-125	0.98
Arsenic	115.7	6.145	98.04	mg/Kg	112%		75-125	0.98
Barium	168.9	59.86	98.04	mg/Kg	111%		75-125	0.98
Beryllium	106.0	ND	98.04	mg/Kg	108%		75-125	0.98
Cadmium	101.1	ND	98.04	mg/Kg	103%		75-125	0.98
Chromium	105.6	12.50	98.04	mg/Kg	95%		75-125	0.98
Cobalt	110.7	6.229	98.04	mg/Kg	107%		75-125	0.98
Copper	109.2	10.61	98.04	mg/Kg	101%		75-125	0.98
Lead	118.1	13.15	98.04	mg/Kg	107%		75-125	0.98
Molybdenum	99.54	0.5162	98.04	mg/Kg	101%		75-125	0.98
Nickel	112.8	7.656	98.04	mg/Kg	107%		75-125	0.98
Selenium	102.8	ND	98.04	mg/Kg	105%	b	75-125	0.98
Silver	50.83	ND	49.02	mg/Kg	104%		75-125	0.98
Thallium	98.89	1.253	98.04	mg/Kg	100%		75-125	0.98
Vanadium	133.4	36.89	98.04	mg/Kg	98%		75-125	0.98
Zinc	157.7	51.89	98.04	mg/Kg	108%		75-125	0.98

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1044414	Batch:	307185
Matrix (Source ID):	Soil (479055-001)	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC1044414 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Antimony	45.79	ND	96.15	mg/Kg	48%	*	75-125	6	41	0.96
Arsenic	116.3	6.145	96.15	mg/Kg	115%		75-125	2	35	0.96
Barium	169.3	59.86	96.15	mg/Kg	114%		75-125	1	20	0.96
Beryllium	103.0	ND	96.15	mg/Kg	107%		75-125	1	20	0.96
Cadmium	98.83	ND	96.15	mg/Kg	103%		75-125	0	20	0.96
Chromium	104.4	12.50	96.15	mg/Kg	96%		75-125	1	20	0.96
Cobalt	110.2	6.229	96.15	mg/Kg	108%		75-125	1	20	0.96
Copper	113.8	10.61	96.15	mg/Kg	107%		75-125	6	20	0.96
Lead	121.3	13.15	96.15	mg/Kg	112%		75-125	4	20	0.96
Molybdenum	98.74	0.5162	96.15	mg/Kg	102%		75-125	1	20	0.96
Nickel	110.4	7.656	96.15	mg/Kg	107%		75-125	0	20	0.96
Selenium	97.03	ND	96.15	mg/Kg	101%	b	75-125	4	20	0.96
Silver	49.54	ND	48.08	mg/Kg	103%		75-125	1	20	0.96
Thallium	97.33	1.253	96.15	mg/Kg	100%		75-125	0	20	0.96
Vanadium	150.8	36.89	96.15	mg/Kg	118%		75-125	14	20	0.96
Zinc	161.4	51.89	96.15	mg/Kg	114%		75-125	4	20	0.96

Type:	Blank	Lab ID:	QC1048533	Batch:	308545
Matrix:	Soil	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC1048533 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Lead	ND		mg/Kg	1.0	02/27/23	02/28/23

Type:	Lab Control Sample	Lab ID:	QC1048534	Batch:	308545
Matrix:	Soil	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC1048534 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Lead	105.5	100.0	mg/Kg	106%		80-120

Type:	Matrix Spike	Lab ID:	QC1048535	Batch:	308545
Matrix (Source ID):	Soil (479055-005)	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC1048535 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Lead	99.66	4.352	91.74	mg/Kg	104%		75-125	0.92

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1048536**	**Batch:**	**308545**
Matrix (Source ID):	**Soil (479055-005)**	**Method:**	**EPA 6010B**	**Prep Method:**	**EPA 3050B**

QC1048536 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Lead	106.6	4.352	97.09	mg/Kg	105%		75-125	1	20	0.97

Type:	**Blank**	**Lab ID:**	**QC1057198**	**Batch:**	**311360**
Matrix:	**Soil**	**Method:**	**EPA 6010B**	**Prep Method:**	**EPA 3050B**

QC1057198 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Arsenic	ND		mg/Kg	1.0	04/07/23	04/10/23

Type:	**Lab Control Sample**	**Lab ID:**	**QC1057199**	**Batch:**	**311360**
Matrix:	**Soil**	**Method:**	**EPA 6010B**	**Prep Method:**	**EPA 3050B**

QC1057199 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Arsenic	96.92	100.0	mg/Kg	97%		80-120

Type:	**Matrix Spike**	**Lab ID:**	**QC1057200**	**Batch:**	**311360**
Matrix (Source ID):	**Soil (479053-002)**	**Method:**	**EPA 6010B**	**Prep Method:**	**EPA 3050B**

QC1057200 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Arsenic	98.81	11.37	89.29	mg/Kg	98%		75-125	0.89

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1057201**	**Batch:**	**311360**
Matrix (Source ID):	**Soil (479053-002)**	**Method:**	**EPA 6010B**	**Prep Method:**	**EPA 3050B**

QC1057201 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Arsenic	115.2	11.37	103.1	mg/Kg	101%		75-125	3	35	1

Type:	**Blank**	**Lab ID:**	**QC1044473**	**Batch:**	**307206**
Matrix:	**Soil**	**Method:**	**EPA 7471A**	**Prep Method:**	**METHOD**

QC1044473 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Mercury	ND		mg/Kg	0.14	02/09/23	02/13/23

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Batch QC

Type: Lab Control Sample	Lab ID: QC1044474	Batch: 307206
Matrix: Soil	Method: EPA 7471A	Prep Method: METHOD

QC1044474 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Mercury	0.7666	0.8333	mg/Kg	92%		80-120

Type: Matrix Spike	Lab ID: QC1044475	Batch: 307206
Matrix (Source ID): Soil (479055-001)	Method: EPA 7471A	Prep Method: METHOD

QC1044475 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	0.8599	0.009059	0.9434	mg/Kg	90%		75-125	1.1

Type: Matrix Spike Duplicate	Lab ID: QC1044476	Batch: 307206
Matrix (Source ID): Soil (479055-001)	Method: EPA 7471A	Prep Method: METHOD

QC1044476 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	0.8622	0.009059	0.9091	mg/Kg	94%		75-125	4	20	1.1

Type: Blank	Lab ID: QC1044726	Batch: 307287
Matrix: Soil	Method: EPA 8015B	Prep Method: EPA 3580M

QC1044726 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
TPH (C6-C12)	ND		mg/Kg	10	02/10/23	02/13/23
TPH (C13-C22)	ND		mg/Kg	10	02/10/23	02/13/23
TPH (C23-C44)	ND		mg/Kg	50	02/10/23	02/13/23
Surrogates				**Limits**		
n-Triacontane	99%		%REC	70-130	02/10/23	02/13/23

Type: Lab Control Sample	Lab ID: QC1044727	Batch: 307287
Matrix: Soil	Method: EPA 8015B	Prep Method: EPA 3580M

QC1044727 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Diesel C10-C28	209.1	250.0	mg/Kg	84%		76-122
Surrogates						
n-Triacontane	9.553	10.00	mg/Kg	96%		70-130

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Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC1044729**	**Batch:**	**307287**
Matrix (Source ID):	**Soil (479176-001)**	**Method:**	**EPA 8015B**	**Prep Method:**	**EPA 3580M**

QC1044729 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Diesel C10-C28	207.4	ND	250.0	mg/Kg	83%		62-126	1
Surrogates								
n-Triacontane	9.402		10.00	mg/Kg	94%		70-130	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1044730**	**Batch:**	**307287**
Matrix (Source ID):	**Soil (479176-001)**	**Method:**	**EPA 8015B**	**Prep Method:**	**EPA 3580M**

QC1044730 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Diesel C10-C28	204.6	ND	247.9	mg/Kg	83%		62-126	0	35	0.99
Surrogates										
n-Triacontane	9.382		9.916	mg/Kg	95%		70-130			0.99

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Batch QC

Type: Blank	**Lab ID: QC1044767**	**Batch: 307262**
Matrix: Soil	**Method: EPA 8081A**	**Prep Method: EPA 3546**

QC1044767 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
alpha-BHC	ND		ug/Kg	4.9	02/10/23	02/14/23
beta-BHC	ND		ug/Kg	4.9	02/10/23	02/14/23
gamma-BHC	ND		ug/Kg	4.9	02/10/23	02/14/23
delta-BHC	ND		ug/Kg	4.9	02/10/23	02/14/23
Heptachlor	ND		ug/Kg	4.9	02/10/23	02/14/23
Aldrin	ND		ug/Kg	4.9	02/10/23	02/14/23
Heptachlor epoxide	ND		ug/Kg	4.9	02/10/23	02/14/23
Endosulfan I	ND		ug/Kg	4.9	02/10/23	02/14/23
Dieldrin	ND		ug/Kg	4.9	02/10/23	02/14/23
4,4'-DDE	ND		ug/Kg	4.9	02/10/23	02/14/23
Endrin	ND		ug/Kg	4.9	02/10/23	02/14/23
Endosulfan II	ND		ug/Kg	4.9	02/10/23	02/14/23
Endosulfan sulfate	ND		ug/Kg	4.9	02/10/23	02/14/23
4,4'-DDD	ND		ug/Kg	4.9	02/10/23	02/14/23
Endrin aldehyde	ND		ug/Kg	4.9	02/10/23	02/14/23
Endrin ketone	ND		ug/Kg	4.9	02/10/23	02/14/23
4,4'-DDT	ND		ug/Kg	4.9	02/10/23	02/14/23
Methoxychlor	ND		ug/Kg	20	02/10/23	02/14/23
Toxaphene	ND		ug/Kg	99	02/10/23	02/14/23
Chlordane (Technical)	ND		ug/Kg	49	02/10/23	02/14/23
Surrogates				**Limits**		
TCMX	83%		%REC	23-120	02/10/23	02/14/23
Decachlorobiphenyl	108%		%REC	24-120	02/10/23	02/14/23

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	**Lab ID: QC1044768**	**Batch: 307262**
Matrix: Soil	**Method: EPA 8081A**	**Prep Method: EPA 3546**

QC1044768 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
alpha-BHC	47.53	49.60	ug/Kg	96%		22-129
beta-BHC	48.35	49.60	ug/Kg	97%		28-125
gamma-BHC	48.31	49.60	ug/Kg	97%		22-128
delta-BHC	50.91	49.60	ug/Kg	103%		24-131
Heptachlor	46.57	49.60	ug/Kg	94%		18-124
Aldrin	43.40	49.60	ug/Kg	87%		23-120
Heptachlor epoxide	50.34	49.60	ug/Kg	101%		26-120
Endosulfan I	46.71	49.60	ug/Kg	94%		25-126
Dieldrin	52.61	49.60	ug/Kg	106%	#	23-124
4,4'-DDE	51.33	49.60	ug/Kg	103%		28-121
Endrin	54.12	49.60	ug/Kg	109%		25-127
Endosulfan II	52.92	49.60	ug/Kg	107%		29-121
Endosulfan sulfate	55.58	49.60	ug/Kg	112%	#	30-121
4,4'-DDD	53.39	49.60	ug/Kg	108%		26-120
Endrin aldehyde	38.29	49.60	ug/Kg	77%	#	10-120
Endrin ketone	56.48	49.60	ug/Kg	114%	#	28-125
4,4'-DDT	54.57	49.60	ug/Kg	110%	#	22-125
Methoxychlor	60.46	49.60	ug/Kg	122%	#	28-130
Surrogates						
TCMX	40.67	49.60	ug/Kg	82%		23-120
Decachlorobiphenyl	50.85	49.60	ug/Kg	103%		24-120

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC1044769**	**Batch:**	**307262**
Matrix (Source ID):	**Soil (479051-001)**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3546**

QC1044769 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
alpha-BHC	44.64	ND	49.90	ug/Kg	89%		46-120	5
beta-BHC	54.13	ND	49.90	ug/Kg	108%		41-120	5
gamma-BHC	46.51	ND	49.90	ug/Kg	93%		41-120	5
delta-BHC	48.77	ND	49.90	ug/Kg	98%		38-123	5
Heptachlor	48.72	ND	49.90	ug/Kg	98%		39-120	5
Aldrin	45.92	ND	49.90	ug/Kg	92%		34-120	5
Heptachlor epoxide	54.46	ND	49.90	ug/Kg	109%		43-120	5
Endosulfan I	52.18	ND	49.90	ug/Kg	105%		45-120	5
Dieldrin	53.85	ND	49.90	ug/Kg	108%	#	45-120	5
4,4'-DDE	54.86	ND	49.90	ug/Kg	110%		34-120	5
Endrin	57.84	ND	49.90	ug/Kg	116%		40-120	5
Endosulfan II	54.62	ND	49.90	ug/Kg	109%		41-120	5
Endosulfan sulfate	57.99	ND	49.90	ug/Kg	116%	#	42-120	5
4,4'-DDD	53.18	ND	49.90	ug/Kg	107%		41-120	5
Endrin aldehyde	50.61	ND	49.90	ug/Kg	101%	#	30-120	5
Endrin ketone	55.18	ND	49.90	ug/Kg	111%	#	45-120	5
4,4'-DDT	55.99	ND	49.90	ug/Kg	112%	#	35-127	5
Methoxychlor	104.6	ND	49.90	ug/Kg		DO	42-136	5
Surrogates								
TCMX	42.51		49.90	ug/Kg	85%		23-120	5
Decachlorobiphenyl	55.92		49.90	ug/Kg	112%		24-120	5

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1044770**	**Batch:**	**307262**
Matrix (Source ID):	**Soil (479051-001)**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3546**

QC1044770 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
alpha-BHC	40.93	ND	49.80	ug/Kg	82%		46-120	8	30	5
beta-BHC	50.62	ND	49.80	ug/Kg	102%		41-120	7	30	5
gamma-BHC	42.23	ND	49.80	ug/Kg	85%		41-120	9	30	5
delta-BHC	46.63	ND	49.80	ug/Kg	94%		38-123	4	30	5
Heptachlor	46.04	ND	49.80	ug/Kg	92%		39-120	5	30	5
Aldrin	45.12	ND	49.80	ug/Kg	91%		34-120	2	30	5
Heptachlor epoxide	52.25	ND	49.80	ug/Kg	105%		43-120	4	30	5
Endosulfan I	50.52	ND	49.80	ug/Kg	101%		45-120	3	30	5
Dieldrin	53.35	ND	49.80	ug/Kg	107%	#	45-120	1	30	5
4,4'-DDE	54.28	ND	49.80	ug/Kg	109%		34-120	1	30	5
Endrin	57.80	ND	49.80	ug/Kg	116%		40-120	0	30	5
Endosulfan II	54.74	ND	49.80	ug/Kg	110%		41-120	0	30	5
Endosulfan sulfate	55.13	ND	49.80	ug/Kg	111%	#	42-120	5	30	5
4,4'-DDD	53.45	ND	49.80	ug/Kg	107%		41-120	1	30	5
Endrin aldehyde	47.02	ND	49.80	ug/Kg	94%	#	30-120	7	30	5
Endrin ketone	55.49	ND	49.80	ug/Kg	111%	#	45-120	1	30	5
4,4'-DDT	54.49	ND	49.80	ug/Kg	109%	#	35-127	3	30	5
Methoxychlor	62.00	ND	49.80	ug/Kg		DO	42-136		30	5
Surrogates										
TCMX	38.42		49.80	ug/Kg	77%		23-120			5
Decachlorobiphenyl	53.54		49.80	ug/Kg	108%		24-120			5

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID: QC1048550**	**Batch: 308548**
Matrix: Soil	**Method: EPA 8081A**	**Prep Method: EPA 3546**

QC1048550 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
alpha-BHC	ND		ug/Kg	5.0	02/27/23	02/27/23
beta-BHC	ND		ug/Kg	5.0	02/27/23	02/27/23
gamma-BHC	ND		ug/Kg	5.0	02/27/23	02/27/23
delta-BHC	ND		ug/Kg	5.0	02/27/23	02/27/23
Heptachlor	ND		ug/Kg	5.0	02/27/23	02/27/23
Aldrin	ND		ug/Kg	5.0	02/27/23	02/27/23
Heptachlor epoxide	ND		ug/Kg	5.0	02/27/23	02/27/23
Endosulfan I	ND		ug/Kg	5.0	02/27/23	02/27/23
Dieldrin	ND		ug/Kg	5.0	02/27/23	02/27/23
4,4'-DDE	ND		ug/Kg	5.0	02/27/23	02/27/23
Endrin	ND		ug/Kg	5.0	02/27/23	02/27/23
Endosulfan II	ND		ug/Kg	5.0	02/27/23	02/27/23
Endosulfan sulfate	ND		ug/Kg	5.0	02/27/23	02/27/23
4,4'-DDD	ND		ug/Kg	5.0	02/27/23	02/27/23
Endrin aldehyde	ND		ug/Kg	5.0	02/27/23	02/27/23
Endrin ketone	ND		ug/Kg	5.0	02/27/23	02/27/23
4,4'-DDT	ND		ug/Kg	5.0	02/27/23	02/27/23
Methoxychlor	ND		ug/Kg	10	02/27/23	02/27/23
Toxaphene	ND		ug/Kg	100	02/27/23	02/27/23
Chlordane (Technical)	ND		ug/Kg	50	02/27/23	02/27/23
Surrogates				**Limits**		
TCMX	69%		%REC	23-120	02/27/23	02/27/23
Decachlorobiphenyl	79%		%REC	24-120	02/27/23	02/27/23

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	**Lab ID: QC1048551**	**Batch: 308548**
Matrix: Soil	**Method: EPA 8081A**	**Prep Method: EPA 3546**

QC1048551 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
alpha-BHC	36.68	49.41	ug/Kg	74%		22-129
beta-BHC	36.65	49.41	ug/Kg	74%		28-125
gamma-BHC	37.19	49.41	ug/Kg	75%		22-128
delta-BHC	36.99	49.41	ug/Kg	75%		24-131
Heptachlor	38.32	49.41	ug/Kg	78%		18-124
Aldrin	29.52	49.41	ug/Kg	60%		23-120
Heptachlor epoxide	38.09	49.41	ug/Kg	77%		26-120
Endosulfan I	39.74	49.41	ug/Kg	80%		25-126
Dieldrin	41.96	49.41	ug/Kg	85%		23-124
4,4'-DDE	38.03	49.41	ug/Kg	77%		28-121
Endrin	37.89	49.41	ug/Kg	77%		25-127
Endosulfan II	42.18	49.41	ug/Kg	85%		29-121
Endosulfan sulfate	42.63	49.41	ug/Kg	86%	#	30-121
4,4'-DDD	44.93	49.41	ug/Kg	91%		26-120
Endrin aldehyde	30.33	49.41	ug/Kg	61%		10-120
Endrin ketone	45.13	49.41	ug/Kg	91%		28-125
4,4'-DDT	35.20	49.41	ug/Kg	71%		22-125
Methoxychlor	44.56	49.41	ug/Kg	90%		28-130
Surrogates						
TCMX	34.90	49.41	ug/Kg	71%		23-120
Decachlorobiphenyl	39.21	49.41	ug/Kg	79%		24-120

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC1048552**	**Batch:**	**308548**
Matrix (Source ID):	**Soil (477361-005)**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3546**

QC1048552 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
alpha-BHC	36.00	ND	49.21	ug/Kg	73%		46-120	4.9
beta-BHC	38.53	ND	49.21	ug/Kg	78%		41-120	4.9
gamma-BHC	36.47	ND	49.21	ug/Kg	74%		41-120	4.9
delta-BHC	36.06	ND	49.21	ug/Kg	73%		38-123	4.9
Heptachlor	40.77	ND	49.21	ug/Kg	83%		39-120	4.9
Aldrin	35.07	ND	49.21	ug/Kg	71%		34-120	4.9
Heptachlor epoxide	40.14	ND	49.21	ug/Kg	82%		43-120	4.9
Endosulfan I	42.22	ND	49.21	ug/Kg	86%		45-120	4.9
Dieldrin	42.15	ND	49.21	ug/Kg	86%		45-120	4.9
4,4'-DDE	44.08	ND	49.21	ug/Kg	90%		34-120	4.9
Endrin	39.67	ND	49.21	ug/Kg	81%		40-120	4.9
Endosulfan II	43.61	ND	49.21	ug/Kg	89%		41-120	4.9
Endosulfan sulfate	46.84	ND	49.21	ug/Kg	95%	#	42-120	4.9
4,4'-DDD	43.46	ND	49.21	ug/Kg	88%		41-120	4.9
Endrin aldehyde	37.68	ND	49.21	ug/Kg	77%		30-120	4.9
Endrin ketone	47.30	ND	49.21	ug/Kg	96%		45-120	4.9
4,4'-DDT	51.81	ND	49.21	ug/Kg	105%		35-127	4.9
Methoxychlor	50.81	ND	49.21	ug/Kg	103%		42-136	4.9
Surrogates								
TCMX	34.58		49.21	ug/Kg	70%		23-120	4.9
Decachlorobiphenyl	43.21		49.21	ug/Kg	88%		24-120	4.9

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Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1048553**	**Batch:**	**308548**
Matrix (Source ID):	**Soil (477361-005)**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3546**

QC1048553 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
alpha-BHC	37.99	ND	49.70	ug/Kg	76%		46-120	4	30	5
beta-BHC	43.09	ND	49.70	ug/Kg	87%		41-120	10	30	5
gamma-BHC	39.57	ND	49.70	ug/Kg	80%		41-120	7	30	5
delta-BHC	40.63	ND	49.70	ug/Kg	82%		38-123	11	30	5
Heptachlor	39.27	ND	49.70	ug/Kg	79%		39-120	5	30	5
Aldrin	38.20	ND	49.70	ug/Kg	77%		34-120	8	30	5
Heptachlor epoxide	43.17	ND	49.70	ug/Kg	87%		43-120	6	30	5
Endosulfan I	48.97	ND	49.70	ug/Kg	99%		45-120	14	30	5
Dieldrin	51.40	ND	49.70	ug/Kg	103%		45-120	19	30	5
4,4'-DDE	51.35	ND	49.70	ug/Kg	103%		34-120	14	30	5
Endrin	44.96	ND	49.70	ug/Kg	90%		40-120	12	30	5
Endosulfan II	50.33	ND	49.70	ug/Kg	101%		41-120	13	30	5
Endosulfan sulfate	55.47	ND	49.70	ug/Kg	112%	#	42-120	16	30	5
4,4'-DDD	50.39	ND	49.70	ug/Kg	101%		41-120	14	30	5
Endrin aldehyde	43.77	ND	49.70	ug/Kg	88%		30-120	14	30	5
Endrin ketone	52.32	ND	49.70	ug/Kg	105%		45-120	9	30	5
4,4'-DDT	60.83	ND	49.70	ug/Kg	122%		35-127	15	30	5
Methoxychlor	60.85	ND	49.70	ug/Kg	122%		42-136	17	30	5
Surrogates										
TCMX	37.87		49.70	ug/Kg	76%		23-120			5
Decachlorobiphenyl	50.84		49.70	ug/Kg	102%		24-120			5

CCV drift outside limits; average CCV drift within limits per method requirements
* Value is outside QC limits
DO Diluted Out
ND Not Detected
b See narrative

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

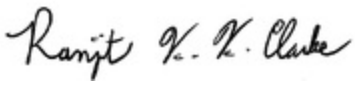
Lab Job Number: 482118
Report Level: II
Report Date: 04/11/2023

Analytical Report *prepared for:*

Chuck Houser
SCS Engineers
8799 Balboa #290
San Diego, CA 92123

Project: MIDWAY RISING - Sports Arena - Supplemental Report 1

Authorized for release by:



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This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Chuck Houser SCS Engineers 8799 Balboa #290 San Diego, CA 92123	Lab Job #: Project No: Location: Date Received:	482118 MIDWAY RISING Sports Arena - Supplemental Report 1 03/23/23

Sample ID	Lab ID	Collected	Matrix
DP-23-040-0.5	482118-001	03/23/23 08:32	Soil
DP-23-040-2.5	482118-002	03/23/23 08:33	Soil
DP-23-040-5.0	482118-003	03/23/23 08:46	Soil
DP-23-040-7.5	482118-004	03/23/23 08:55	Soil
DP-23-040-10	482118-005	03/23/23 08:59	Soil
DP-23-040-15	482118-006	03/23/23 09:10	Soil
DP-23-039-0.5	482118-007	03/23/23 09:43	Soil
DP-23-039-2.5	482118-008	03/23/23 09:47	Soil
DP-23-039-5.0	482118-009	03/23/23 09:54	Soil
DP-23-039-7.5	482118-010	03/23/23 09:58	Soil
DP-23-039-10	482118-011	03/23/23 10:02	Soil
DP-23-038-0.5	482118-012	03/23/23 10:32	Soil
DP-23-038-2.5	482118-013	03/23/23 10:36	Soil
DP-23-038-5.0	482118-014	03/23/23 10:43	Soil
DP-23-038-7.5	482118-015	03/23/23 10:46	Soil
DP-23-038-10	482118-016	03/23/23 10:51	Soil
DP-23-042-0.5	482118-017	03/23/23 11:16	Soil
DP-23-042-2.5	482118-018	03/23/23 11:18	Soil
DP-23-042-5.0	482118-019	03/23/23 11:23	Soil
DP-23-042-7.5	482118-020	03/23/23 11:26	Soil
DP-23-042-10	482118-021	03/23/23 11:31	Soil
DP-23-041-0.5	482118-022	03/23/23 12:50	Soil
DP-23-041-2.5	482118-023	03/23/23 12:50	Soil
DP-23-041-5	482118-024	03/23/23 12:55	Soil
DP-23-041-7.5	482118-025	03/23/23 12:55	Soil
DP-23-041-10	482118-026	03/23/23 13:00	Soil

ENTHALPY ANALYTICAL

Case Narrative

SCS Engineers	Lab Job Number: 482118
8799 Balboa #290	Project No: MIDWAY RISING
San Diego, CA 92123	Location: Sports Arena - Supplemental Report 1
Chuck Houser	Date Received: 03/23/23

This data package contains sample and QC results for twenty five soil samples, requested for the above referenced project on 03/23/23. The samples were received cold and intact.

TPH-Extractables by GC (EPA 8015B):
No analytical problems were encountered.

Pesticides (EPA 8081A):

- High recovery was observed for 4,4'-DDD in the LCS for batch 311163; this analyte was not detected at or above the RL in the associated samples.
- Low recovery was observed for methoxychlor in the MS for batch 311163; the parent sample was not a project sample, and the LCS was within limits. High recoveries were observed for many analytes in the MS/MSD for batch 311163; the LCS was within limits, the associated RPDs were within limits, and these analytes were not detected at or above the RL in the associated samples. High RPD was observed for methoxychlor; this analyte was not detected at or above the RL in the associated samples.
- High surrogate recoveries were observed for decachlorobiphenyl in the MS/MSD for batch 311163; the corresponding TCMX surrogate recoveries were within limits, and the parent sample was not a project sample.
- DP-23-041-0.5 (lab # 482118-022) was diluted due to the dark color of the sample extract.
- No other analytical problems were encountered.

Metals (EPA 6010B and EPA 7471A):

- Low recoveries were observed for antimony in the MS/MSD of DP-23-040-0.5 (lab # 482118-001); the LCS was within limits, and the associated RPD was within limits. High recoveries were observed for barium, copper, and vanadium in the MS of DP-23-040-0.5 (lab # 482118-001); the LCS was within limits, and the associated RPDs were within limits.
- No other analytical problems were encountered.

ENTHALPY ANALYTICAL

Enthalpy Analytical - Orange
931 W. Barkley Avenue, Orange, CA 92868
Phone 714-771-6900

Chain of Custody Record

Lab No: 482118
Page: 1 of 3

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Enthalpy ~~San Diego~~ SCS Engineers	Quote #:	
Report To:	Chuck Horsley + Allison ONeal	Proj. Name:	Midway Rising
Email:	choresley@scsengineers.com aoneal@scsengineers.com	Proj. #:	01213320.07
Address:	~~4340 Vandever Ave.~~ 8799 Balboa Ave	P.O. #:	
	San Diego, CA 92120 23	Address:	Sports Arena
Phone:	~~858-587-7333~~ 858.571.5500	Global ID:	
Fax:	NA	Sampled By:	Allison ONeal

Analysis Request

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	TPH ext (8015)	Metals (6010B)	OCPs (8081A)	Lead (6010B)	Archive
1	DP-23-040-0.5	3/23/23	8:32	soil	acetate sleeve	ice	X	X	X		
2	DP-23-040-2.5		8:33							X	
3	DP-23-040-5.0		8:46				X			X	X
4	DP-23-040-7.5		8:55							X	
5	DP-23-040-10		8:59				X				
6	DP-23-040-15		9:10							X	X
7	DP-23-039-0.5		9:43				X	X	X		
8	DP-23-039-2.5		9:47							X	
9	DP-23-039-5.0		9:54				X				
10	DP-23-039-7.5		9:58							X	

Test Instructions / Comments

5.0/4.0

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Allison ONeal	SCS	3/23/23 1415
1 Received By:		Michael Tanwangco	EA-SD	3/23/23 14:15
2 Relinquished By:		Michael Tanwangco	EA-SD	3/24/23 12:00
2 Received By:			GADS	3/24/23 12:00
3 Relinquished By:			E-Acc	3/24/23 15:00
3 Received By:		Ameleon Smiley	EA	3/24/23 1500

ENTHALPY ANALYTICAL

Enthalpy Analytical - Orange
931 W. Barkley Avenue, Orange, CA 92868
Phone 714-771-6900

Chain of Custody Record

Lab No: 482118
Page: 2 of 3

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Enthalpy San Diego ~~SCS~~	Quote #:	
Report To:		Proj. Name:	Midway Rising
Email:		Proj. #:	
Address:	4340 Vandever Ave.	P.O. #:	
	San Diego, CA 92120	Address:	
Phone:	858-587-7333	Global ID:	
Fax:	NA	Sampled By:	

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.
1	DP-23-039-10	3/23/23	10:02	soil	acetate sleeve	ice
2	DP-23-038-0.5		10:32			
3	DP-23-038-2.5		10:36			
4	DP-23-038-5.0		10:43			
5	DP-23-038-7.5		10:46			
6	DP-23-038-10		10:51			
7	DP-23-042-0.5		11:16			
8	DP-23-042-2.5		11:18			
9	DP-23-042-5.0		11:23			
10	DP-23-042-7.5		11:26			

Analysis Request

	TPHg (8015)	Metals (6010B)	OCPs (8081A)	Lead (6010B)	archive
1	X				
2	X	X	X		
3				X	
4	X			X	
5				X	
6	X				
7	X	X	X		
8				X	
9	X			X	
10				X	

Test Instructions / Comments

5.0/4.0

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Allison O'Neal	SCS	3/23/23 1415
1 Received By:		MICHAEL TANWANGCO	EA-SD	3/23/23 14:15
2 Relinquished By:		MICHAEL TANWANGCO	EA-SD	3/24/23 12:00
2 Received By:		Alex Cota	EASD	3/24/23 12:0
3 Relinquished By:		Alex Cota	EAOC	3/24/23 15:00
3 Received By:		Anastasia Smeekens	EA	3/24/23 1500

ENTHALPY ANALYTICAL

Enthalpy Analytical - Orange
931 W. Barkley Avenue, Orange, CA 92868
Phone 714-771-6900

Chain of Custody Record

Lab No: 482118
Page: 3 of 3

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

~~Matrix:~~ A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	~~Enthalpy San Diego~~ SCS	Quote #:	
~~Report To:~~		Proj. Name:	Midway Rising
Email:	see page 1	Proj. #:	
Address:	4340 Vandever Ave.	P.O. #:	
	San Diego, CA 92120	Address:	
Phone:	858-587-7333	Global ID:	
Fax:	NA	Sampled By:	

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	TPH ext (8015)	Metals (6010B)	OCPs (8081A)	Lead (6010B)	Archive	Analysis Request / Test Instructions / Comments
1	DP-23-042-10	3/23/23	11:31	soil	acetate sleeve	ice	X					5.0/4.0
2	DP-23-041-0.5		12:50				X	X	X	X	X	
3	DP-23-041-2.5		12:50									
4	DP-23-041-5		12:55				X			X	X	
5	DP-23-041-7.5		12:55									
6	DP-23-041-10		13:00				X			X	X	
7												
8												
9												
10												

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Allison ONeal	SCS	3/23/23 14:15
1 Received By:		Michael Tanwangco	~~EA~~-SD	3/23/23 14:15
2 Relinquished By:		Michael Tanwangco	~~EA~~-SD	3/24/23 12:00
2 Received By:		Alex Cole	EASD	3/24/23 12:00
3 Relinquished By:		Alex Cole	EAOC	3/24/23 15:00
3 Received By:		Annaleesa Sandvik	EA	3/24/23 1500

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: SCS Engineers Project: Midway Rising

Date Received: 3/24/23 Sampler's Name Present: ☒ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☒ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 5.0 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☒ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 4.0 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	X		
Are sample IDs present?	X		
Are sampling dates & times present?	X		
Is a relinquished signature present?	X		
Are the tests required clearly indicated on the COC?	X		
Are custody seals present?		X	
If custody seals are present, were they intact?			X
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			X
Did all samples arrive intact? If no, indicate in Section 4 below.	X		
Did all bottle labels agree with COC? (ID, dates and times)	X		
Were the samples collected in the correct containers for the required tests?	X		
Are the containers labeled with the correct preservatives?			X
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			X
Was a sufficient amount of sample submitted for the requested tests?	X		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 3/24/23

MONTROSE ENVIRONMENTAL

Ranjit Clarke <ranjit.clarke@enthalpy.com>

[EXTERNAL] RE: Midway Rising - Sports Arena - Enthalpy Data (482118) (Invoice CINV-178373)

1 message

Houser, Chuck <CHouser@scsengineers.com> Mon, Apr 3, 2023 at 7:59 PM
To: "Ranjit.Clarke@enthalpy.com" <Ranjit.Clarke@enthalpy.com>
Cc: "O'Neal, Allison" <AONeal@scsengineers.com>, "Montague, Luke" <LMontague@scsengineers.com>

Ranjit,

Please additionally analyze the following:

- Organochlorine pesticides: DP-23-038-2.5, DP-23-038-5, and DP-23-038-7.5
- TPH extended (C6-C12, C13-C22, and C23-C44): DP-23-041-2.5, DP-23-041-7.5

Thanks.

Chuck

Chuck Houser, CHg

Project Manager

SCS Engineers

Office 858-571-5500 Ext. 2908

Direct: 858-583-7738

Mobile: 858-805-5523

chouser@scsengineers.com

From: Ranjit K Clarke <Ranjit.Clarke@enthalpy.com>
Sent: Monday, April 3, 2023 7:25 PM
To: Houser, Chuck <CHouser@scsengineers.com>
Subject: Midway Rising - Sports Arena - Enthalpy Data (482118) (Invoice CINV-178373)

MONTROSE ENVIRONMENTAL

Ranjit Clarke <ranjit.clarke@enthalpy.com>

[EXTERNAL] Sports Arena-Midway Rising

1 message

Houser, Chuck <CHouser@scsengineers.com> Wed, Apr 5, 2023 at 1:06 PM
To: "Ranjit.Clarke@enthalpy.com" <Ranjit.Clarke@enthalpy.com>
Cc: "O'Neal, Allison" <AONeal@scsengineers.com>, "Montague, Luke" <LMontague@scsengineers.com>

Ranjit,

Please additionally analyze the following samples from the project for arsenic:

- A-23-012-5
- A-23-015-2.5
- DP-23-031-2.5
- DP-23-032-2.5
- DP-23-035-2.5
- DP-23-038-2.5
- DP-23-039-2.5
- DPV-23-052-2.5

Also attached is a lab report that needs several sample numbers adjusted, if not already done. I edited them and highlighted the ones I edited. I know we adjusted some sample numbers earlier, I don't know if we missed adjusting this one or if it was done and I'm just not seeing the revised report. Several of the above samples for additional analyses are in this report and needing their number changed.

Thanks

Chuck

Chuck Houser, CHg

Project Manager

SCS Engineers

Office 858-571-5500 Ext. 2908

Direct: 858-583-7738

Mobile: 858-805-5523

ENTHALPY ANALYTICAL

Analysis Results for 482118

Chuck Houser
SCS Engineers
8799 Balboa #290
San Diego, CA 92123

Lab Job #: 482118
Project No: MIDWAY RISING
Location: Sports Arena - Supplemental Report 1
Date Received: 03/23/23

Sample ID: DP-23-040-0.5 **Lab ID: 482118-001** **Collected: 03/23/23 08:32**
Matrix: Soil

482118-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	2.9	0.97	310544	03/27/23	03/28/23	THP
Arsenic	**1.5**		mg/Kg	0.97	0.97	310544	03/27/23	03/29/23	THP
Barium	**180**		mg/Kg	0.97	0.97	310544	03/27/23	03/29/23	THP
Beryllium	ND		mg/Kg	0.49	0.97	310544	03/27/23	03/28/23	THP
Cadmium	ND		mg/Kg	0.49	0.97	310544	03/27/23	03/28/23	THP
Chromium	**31**		mg/Kg	0.97	0.97	310544	03/27/23	03/29/23	THP
Cobalt	**9.6**		mg/Kg	0.49	0.97	310544	03/27/23	03/29/23	THP
Copper	**20**		mg/Kg	0.97	0.97	310544	03/27/23	03/29/23	THP
Lead	**1.3**		mg/Kg	0.97	0.97	310544	03/27/23	03/28/23	THP
Molybdenum	ND		mg/Kg	0.97	0.97	310544	03/27/23	03/28/23	THP
Nickel	**7.7**		mg/Kg	0.97	0.97	310544	03/27/23	03/28/23	THP
Selenium	ND		mg/Kg	2.9	0.97	310544	03/27/23	03/28/23	THP
Silver	ND		mg/Kg	0.49	0.97	310544	03/27/23	03/28/23	THP
Thallium	ND		mg/Kg	2.9	0.97	310544	03/27/23	03/28/23	THP
Vanadium	**75**		mg/Kg	0.97	0.97	310544	03/27/23	03/29/23	THP
Zinc	**49**		mg/Kg	4.9	0.97	310544	03/27/23	03/29/23	THP
Method: EPA 7471A Prep Method: METHOD									
Mercury	ND		mg/Kg	0.15	1.1	310600	03/29/23	03/29/23	KAM
Method: EPA 8015B Prep Method: EPA 3580M									
TPH (C6-C12)	ND		mg/Kg	10	1	310707	03/29/23	03/30/23	BJG
TPH (C13-C22)	ND		mg/Kg	10	1	310707	03/29/23	03/30/23	BJG
TPH (C23-C44)	ND		mg/Kg	50	1	310707	03/29/23	03/30/23	BJG
Surrogates				**Limits**					
n-Triacontane	85%		%REC	70-130	1	310707	03/29/23	03/30/23	BJG
Method: EPA 8081A Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	4.9	0.99	310569	03/28/23	03/28/23	TRN
beta-BHC	ND		ug/Kg	4.9	0.99	310569	03/28/23	03/28/23	TRN
gamma-BHC	ND		ug/Kg	4.9	0.99	310569	03/28/23	03/28/23	TRN
delta-BHC	ND		ug/Kg	4.9	0.99	310569	03/28/23	03/28/23	TRN
Heptachlor	ND		ug/Kg	4.9	0.99	310569	03/28/23	03/28/23	TRN
Aldrin	ND		ug/Kg	4.9	0.99	310569	03/28/23	03/28/23	TRN
Heptachlor epoxide	ND		ug/Kg	4.9	0.99	310569	03/28/23	03/28/23	TRN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482118

482118-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Endosulfan I	ND		ug/Kg	4.9	0.99	310569	03/28/23	03/28/23	TRN
Dieldrin	ND		ug/Kg	4.9	0.99	310569	03/28/23	03/28/23	TRN
4,4'-DDE	ND		ug/Kg	4.9	0.99	310569	03/28/23	03/28/23	TRN
Endrin	ND		ug/Kg	4.9	0.99	310569	03/28/23	03/28/23	TRN
Endosulfan II	ND		ug/Kg	4.9	0.99	310569	03/28/23	03/28/23	TRN
Endosulfan sulfate	ND		ug/Kg	4.9	0.99	310569	03/28/23	03/28/23	TRN
4,4'-DDD	ND		ug/Kg	4.9	0.99	310569	03/28/23	03/28/23	TRN
Endrin aldehyde	ND		ug/Kg	4.9	0.99	310569	03/28/23	03/28/23	TRN
Endrin ketone	ND		ug/Kg	4.9	0.99	310569	03/28/23	03/28/23	TRN
4,4'-DDT	ND		ug/Kg	4.9	0.99	310569	03/28/23	03/28/23	TRN
Methoxychlor	ND		ug/Kg	9.9	0.99	310569	03/28/23	03/28/23	TRN
Toxaphene	ND		ug/Kg	99	0.99	310569	03/28/23	03/28/23	TRN
Chlordane (Technical)	ND		ug/Kg	49	0.99	310569	03/28/23	03/28/23	TRN
Surrogates				**Limits**					
TCMX	64%		%REC	23-120	0.99	310569	03/28/23	03/28/23	TRN
Decachlorobiphenyl	64%		%REC	24-120	0.99	310569	03/28/23	03/28/23	TRN

Sample ID: DP-23-040-2.5 **Lab ID: 482118-002** **Collected: 03/23/23 08:33**
Matrix: Soil

482118-002 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	**8.6**		mg/Kg	0.97	0.97	310544	03/27/23	03/29/23	THP

Sample ID: DP-23-040-5.0 **Lab ID: 482118-003** **Collected: 03/23/23 08:46**
Matrix: Soil

482118-003 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	ND		mg/Kg	0.97	0.97	310544	03/27/23	03/29/23	THP
Method: EPA 8015B Prep Method: EPA 3580M									
TPH (C6-C12)	ND		mg/Kg	9.9	0.99	310707	03/29/23	03/30/23	BJG
TPH (C13-C22)	ND		mg/Kg	9.9	0.99	310707	03/29/23	03/30/23	BJG
TPH (C23-C44)	ND		mg/Kg	50	0.99	310707	03/29/23	03/30/23	BJG
Surrogates				**Limits**					
n-Triacontane	86%		%REC	70-130	0.99	310707	03/29/23	03/30/23	BJG

Results for any subcontracted analyses are not included in this section.

Analysis Results for 482118

Sample ID: DP-23-040-7.5	Lab ID: 482118-004	Collected: 03/23/23 08:55
	Matrix: Soil	

482118-004 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	ND		mg/Kg	0.97	0.97	310544	03/27/23	03/31/23	THP

Sample ID: DP-23-040-10	Lab ID: 482118-005	Collected: 03/23/23 08:59
	Matrix: Soil	

482118-005 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8015B Prep Method: EPA 3580M									
TPH (C6-C12)	ND		mg/Kg	10	1	310707	03/29/23	03/30/23	BJG
TPH (C13-C22)	ND		mg/Kg	10	1	310707	03/29/23	03/30/23	BJG
TPH (C23-C44)	ND		mg/Kg	50	1	310707	03/29/23	03/30/23	BJG
Surrogates				**Limits**					
n-Triacontane	86%		%REC	70-130	1	310707	03/29/23	03/30/23	BJG

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482118

Sample ID: DP-23-039-0.5	Lab ID: 482118-007	Collected: 03/23/23 09:43
	Matrix: Soil	

482118-007 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	2.9	0.97	310544	03/27/23	03/29/23	THP
Arsenic	**5.6**		mg/Kg	0.97	0.97	310544	03/27/23	03/29/23	THP
Barium	**31**		mg/Kg	0.97	0.97	310544	03/27/23	03/29/23	THP
Beryllium	ND		mg/Kg	0.49	0.97	310544	03/27/23	03/29/23	THP
Cadmium	ND		mg/Kg	0.49	0.97	310544	03/27/23	03/29/23	THP
Chromium	**16**		mg/Kg	0.97	0.97	310544	03/27/23	03/29/23	THP
Cobalt	**5.3**		mg/Kg	0.49	0.97	310544	03/27/23	03/29/23	THP
Copper	**8.5**		mg/Kg	0.97	0.97	310544	03/27/23	03/29/23	THP
Lead	**4.6**		mg/Kg	0.97	0.97	310544	03/27/23	03/29/23	THP
Molybdenum	ND		mg/Kg	0.97	0.97	310544	03/27/23	03/29/23	THP
Nickel	**6.9**		mg/Kg	0.97	0.97	310544	03/27/23	03/29/23	THP
Selenium	ND		mg/Kg	2.9	0.97	310544	03/27/23	03/29/23	THP
Silver	ND		mg/Kg	0.49	0.97	310544	03/27/23	03/29/23	THP
Thallium	ND		mg/Kg	2.9	0.97	310544	03/27/23	03/29/23	THP
Vanadium	**40**		mg/Kg	0.97	0.97	310544	03/27/23	03/29/23	THP
Zinc	**43**		mg/Kg	4.9	0.97	310544	03/27/23	03/29/23	THP
Method: EPA 7471A Prep Method: METHOD									
Mercury	ND		mg/Kg	0.17	1.2	310600	03/29/23	03/29/23	KAM
Method: EPA 8015B Prep Method: EPA 3580M									
TPH (C6-C12)	ND		mg/Kg	9.9	0.99	310707	03/29/23	03/30/23	BJG
TPH (C13-C22)	ND		mg/Kg	9.9	0.99	310707	03/29/23	03/30/23	BJG
TPH (C23-C44)	ND		mg/Kg	50	0.99	310707	03/29/23	03/30/23	BJG
Surrogates				**Limits**					
n-Triacontane	84%		%REC	70-130	0.99	310707	03/29/23	03/30/23	BJG
Method: EPA 8081A Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	5.0	1	310569	03/28/23	03/28/23	TRN
beta-BHC	ND		ug/Kg	5.0	1	310569	03/28/23	03/28/23	TRN
gamma-BHC	ND		ug/Kg	5.0	1	310569	03/28/23	03/28/23	TRN
delta-BHC	ND		ug/Kg	5.0	1	310569	03/28/23	03/28/23	TRN
Heptachlor	ND		ug/Kg	5.0	1	310569	03/28/23	03/28/23	TRN
Aldrin	ND		ug/Kg	5.0	1	310569	03/28/23	03/28/23	TRN
Heptachlor epoxide	ND		ug/Kg	5.0	1	310569	03/28/23	03/28/23	TRN
Endosulfan I	ND		ug/Kg	5.0	1	310569	03/28/23	03/28/23	TRN
Dieldrin	ND		ug/Kg	5.0	1	310569	03/28/23	03/28/23	TRN
4,4'-DDE	ND		ug/Kg	5.0	1	310569	03/28/23	03/28/23	TRN
Endrin	ND		ug/Kg	5.0	1	310569	03/28/23	03/28/23	TRN
Endosulfan II	ND		ug/Kg	5.0	1	310569	03/28/23	03/28/23	TRN

Results for any subcontracted analyses are not included in this section.

Analysis Results for 482118

482118-007 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Endosulfan sulfate	ND		ug/Kg	5.0	1	310569	03/28/23	03/28/23	TRN
4,4'-DDD	ND		ug/Kg	5.0	1	310569	03/28/23	03/28/23	TRN
Endrin aldehyde	ND		ug/Kg	5.0	1	310569	03/28/23	03/28/23	TRN
Endrin ketone	ND		ug/Kg	5.0	1	310569	03/28/23	03/28/23	TRN
4,4'-DDT	ND		ug/Kg	5.0	1	310569	03/28/23	03/28/23	TRN
Methoxychlor	ND		ug/Kg	10	1	310569	03/28/23	03/28/23	TRN
Toxaphene	ND		ug/Kg	100	1	310569	03/28/23	03/28/23	TRN
Chlordane (Technical)	ND		ug/Kg	50	1	310569	03/28/23	03/28/23	TRN
Surrogates				**Limits**					
TCMX	54%		%REC	23-120	1	310569	03/28/23	03/28/23	TRN
Decachlorobiphenyl	54%		%REC	24-120	1	310569	03/28/23	03/28/23	TRN

Sample ID: DP-23-039-2.5 **Lab ID: 482118-008** **Collected: 03/23/23 09:47**
Matrix: Soil

482118-008 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Arsenic	**6.9**		mg/Kg	0.98	0.98	310544	03/27/23	03/29/23	THP
Lead	**7.4**		mg/Kg	0.98	0.98	310544	03/27/23	03/29/23	THP

Sample ID: DP-23-039-5.0 **Lab ID: 482118-009** **Collected: 03/23/23 09:54**
Matrix: Soil

482118-009 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	ND		mg/Kg	0.97	0.97	310544	03/27/23	03/29/23	THP
Method: EPA 8015B Prep Method: EPA 3580M									
TPH (C6-C12)	ND		mg/Kg	10	1	310707	03/29/23	03/30/23	BJG
TPH (C13-C22)	ND		mg/Kg	10	1	310707	03/29/23	03/30/23	BJG
TPH (C23-C44)	ND		mg/Kg	50	1	310707	03/29/23	03/30/23	BJG
Surrogates				**Limits**					
n-Triacontane	99%		%REC	70-130	1	310707	03/29/23	03/30/23	BJG

Sample ID: DP-23-039-7.5 **Lab ID: 482118-010** **Collected: 03/23/23 09:58**
Matrix: Soil

482118-010 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	ND		mg/Kg	1.0	1	310544	03/27/23	03/29/23	THP

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482118

Sample ID: DP-23-039-10	Lab ID: 482118-011	Collected: 03/23/23 10:02
	Matrix: Soil	

482118-011 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8015B Prep Method: EPA 3580M									
TPH (C6-C12)	ND		mg/Kg	10	1	310707	03/29/23	03/30/23	BJG
TPH (C13-C22)	ND		mg/Kg	10	1	310707	03/29/23	03/30/23	BJG
TPH (C23-C44)	ND		mg/Kg	50	1	310707	03/29/23	03/30/23	BJG
Surrogates				**Limits**					
n-Triacontane	87%		%REC	70-130	1	310707	03/29/23	03/30/23	BJG

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482118

Sample ID: DP-23-038-0.5	Lab ID: 482118-012	Collected: 03/23/23 10:32
	Matrix: Soil	

482118-012 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	2.9	0.95	310544	03/27/23	03/29/23	THP
Arsenic	**5.9**		mg/Kg	0.95	0.95	310544	03/27/23	03/29/23	THP
Barium	**65**		mg/Kg	0.95	0.95	310544	03/27/23	03/29/23	THP
Beryllium	**0.56**		mg/Kg	0.48	0.95	310544	03/27/23	03/29/23	THP
Cadmium	ND		mg/Kg	0.48	0.95	310544	03/27/23	03/29/23	THP
Chromium	**7.1**		mg/Kg	0.95	0.95	310544	03/27/23	03/29/23	THP
Cobalt	**3.6**		mg/Kg	0.48	0.95	310544	03/27/23	03/29/23	THP
Copper	**7.3**		mg/Kg	0.95	0.95	310544	03/27/23	03/29/23	THP
Lead	**6.6**		mg/Kg	0.95	0.95	310544	03/27/23	03/29/23	THP
Molybdenum	ND		mg/Kg	0.95	0.95	310544	03/27/23	03/29/23	THP
Nickel	**4.4**		mg/Kg	0.95	0.95	310544	03/27/23	03/29/23	THP
Selenium	ND		mg/Kg	2.9	0.95	310544	03/27/23	03/29/23	THP
Silver	ND		mg/Kg	0.48	0.95	310544	03/27/23	03/29/23	THP
Thallium	ND		mg/Kg	2.9	0.95	310544	03/27/23	03/29/23	THP
Vanadium	**14**		mg/Kg	0.95	0.95	310544	03/27/23	03/29/23	THP
Zinc	**28**		mg/Kg	4.8	0.95	310544	03/27/23	03/29/23	THP
Method: EPA 7471A Prep Method: METHOD									
Mercury	ND		mg/Kg	0.15	1.1	310600	03/29/23	03/29/23	KAM
Method: EPA 8015B Prep Method: EPA 3580M									
TPH (C6-C12)	ND		mg/Kg	9.9	0.99	310707	03/29/23	03/30/23	BJG
TPH (C13-C22)	ND		mg/Kg	9.9	0.99	310707	03/29/23	03/30/23	BJG
TPH (C23-C44)	ND		mg/Kg	50	0.99	310707	03/29/23	03/30/23	BJG
Surrogates				**Limits**					
n-Triacontane	88%		%REC	70-130	0.99	310707	03/29/23	03/30/23	BJG
Method: EPA 8081A Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	4.9	0.99	310569	03/28/23	03/28/23	TRN
beta-BHC	ND		ug/Kg	4.9	0.99	310569	03/28/23	03/28/23	TRN
gamma-BHC	ND		ug/Kg	4.9	0.99	310569	03/28/23	03/28/23	TRN
delta-BHC	ND		ug/Kg	4.9	0.99	310569	03/28/23	03/28/23	TRN
Heptachlor	ND		ug/Kg	4.9	0.99	310569	03/28/23	03/28/23	TRN
Aldrin	ND		ug/Kg	4.9	0.99	310569	03/28/23	03/28/23	TRN
Heptachlor epoxide	ND		ug/Kg	4.9	0.99	310569	03/28/23	03/28/23	TRN
Endosulfan I	ND		ug/Kg	4.9	0.99	310569	03/28/23	03/28/23	TRN
Dieldrin	ND		ug/Kg	4.9	0.99	310569	03/28/23	03/28/23	TRN
4,4'-DDE	ND		ug/Kg	4.9	0.99	310569	03/28/23	03/28/23	TRN
Endrin	ND		ug/Kg	4.9	0.99	310569	03/28/23	03/28/23	TRN
Endosulfan II	ND		ug/Kg	4.9	0.99	310569	03/28/23	03/28/23	TRN

Results for any subcontracted analyses are not included in this section.

Analysis Results for 482118

482118-012 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Endosulfan sulfate	ND		ug/Kg	4.9	0.99	310569	03/28/23	03/28/23	TRN
4,4'-DDD	ND		ug/Kg	4.9	0.99	310569	03/28/23	03/28/23	TRN
Endrin aldehyde	ND		ug/Kg	4.9	0.99	310569	03/28/23	03/28/23	TRN
Endrin ketone	ND		ug/Kg	4.9	0.99	310569	03/28/23	03/28/23	TRN
4,4'-DDT	ND		ug/Kg	4.9	0.99	310569	03/28/23	03/28/23	TRN
Methoxychlor	ND		ug/Kg	9.9	0.99	310569	03/28/23	03/28/23	TRN
Toxaphene	ND		ug/Kg	99	0.99	310569	03/28/23	03/28/23	TRN
Chlordane (Technical)	**460**		ug/Kg	49	0.99	310569	03/28/23	03/28/23	TRN
Surrogates				**Limits**					
TCMX	74%		%REC	23-120	0.99	310569	03/28/23	03/28/23	TRN
Decachlorobiphenyl	80%		%REC	24-120	0.99	310569	03/28/23	03/28/23	TRN

Sample ID: DP-23-038-2.5 **Lab ID: 482118-013** **Collected: 03/23/23 10:36**
Matrix: Soil

482118-013 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Arsenic	**8.2**		mg/Kg	0.96	0.96	310544	03/27/23	03/29/23	THP
Lead	**13**		mg/Kg	0.96	0.96	310544	03/27/23	03/29/23	THP
Method: EPA 8081A Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	5.0	1	311163	04/05/23	04/06/23	MES
beta-BHC	ND		ug/Kg	5.0	1	311163	04/05/23	04/06/23	MES
gamma-BHC	ND		ug/Kg	5.0	1	311163	04/05/23	04/06/23	MES
delta-BHC	ND		ug/Kg	5.0	1	311163	04/05/23	04/06/23	MES
Heptachlor	ND		ug/Kg	5.0	1	311163	04/05/23	04/06/23	MES
Aldrin	ND		ug/Kg	5.0	1	311163	04/05/23	04/06/23	MES
Heptachlor epoxide	ND		ug/Kg	5.0	1	311163	04/05/23	04/06/23	MES
Endosulfan I	ND		ug/Kg	5.0	1	311163	04/05/23	04/06/23	MES
Dieldrin	ND		ug/Kg	5.0	1	311163	04/05/23	04/06/23	MES
4,4'-DDE	ND		ug/Kg	5.0	1	311163	04/05/23	04/06/23	MES
Endrin	ND		ug/Kg	5.0	1	311163	04/05/23	04/06/23	MES
Endosulfan II	ND		ug/Kg	5.0	1	311163	04/05/23	04/06/23	MES
Endosulfan sulfate	ND		ug/Kg	5.0	1	311163	04/05/23	04/06/23	MES
4,4'-DDD	ND		ug/Kg	5.0	1	311163	04/05/23	04/06/23	MES
Endrin aldehyde	ND		ug/Kg	5.0	1	311163	04/05/23	04/06/23	MES
Endrin ketone	ND		ug/Kg	5.0	1	311163	04/05/23	04/06/23	MES
4,4'-DDT	ND		ug/Kg	5.0	1	311163	04/05/23	04/06/23	MES
Methoxychlor	ND		ug/Kg	10	1	311163	04/05/23	04/06/23	MES
Toxaphene	ND		ug/Kg	100	1	311163	04/05/23	04/06/23	MES
Chlordane (Technical)	**1,800**		ug/Kg	250	5	311163	04/05/23	04/11/23	TRN
Surrogates				**Limits**					
TCMX	98%		%REC	23-120	1	311163	04/05/23	04/06/23	MES
Decachlorobiphenyl	104%		%REC	24-120	1	311163	04/05/23	04/06/23	MES

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482118

Sample ID: DP-23-038-5.0	Lab ID: 482118-014	Collected: 03/23/23 10:43
	Matrix: Soil	

482118-014 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	ND		mg/Kg	0.98	0.98	310544	03/27/23	03/29/23	THP
Method: EPA 8015B Prep Method: EPA 3580M									
TPH (C6-C12)	ND		mg/Kg	10	1	310707	03/29/23	03/30/23	BJG
TPH (C13-C22)	ND		mg/Kg	10	1	310707	03/29/23	03/30/23	BJG
TPH (C23-C44)	ND		mg/Kg	50	1	310707	03/29/23	03/30/23	BJG
Surrogates				**Limits**					
n-Triacontane	85%		%REC	70-130	1	310707	03/29/23	03/30/23	BJG
Method: EPA 8081A Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	5.0	1	311163	04/05/23	04/06/23	MES
beta-BHC	ND		ug/Kg	5.0	1	311163	04/05/23	04/06/23	MES
gamma-BHC	ND		ug/Kg	5.0	1	311163	04/05/23	04/06/23	MES
delta-BHC	ND		ug/Kg	5.0	1	311163	04/05/23	04/06/23	MES
Heptachlor	ND		ug/Kg	5.0	1	311163	04/05/23	04/06/23	MES
Aldrin	ND		ug/Kg	5.0	1	311163	04/05/23	04/06/23	MES
Heptachlor epoxide	ND		ug/Kg	5.0	1	311163	04/05/23	04/06/23	MES
Endosulfan I	ND		ug/Kg	5.0	1	311163	04/05/23	04/06/23	MES
Dieldrin	ND		ug/Kg	5.0	1	311163	04/05/23	04/06/23	MES
4,4'-DDE	ND		ug/Kg	5.0	1	311163	04/05/23	04/06/23	MES
Endrin	ND		ug/Kg	5.0	1	311163	04/05/23	04/06/23	MES
Endosulfan II	ND		ug/Kg	5.0	1	311163	04/05/23	04/06/23	MES
Endosulfan sulfate	ND		ug/Kg	5.0	1	311163	04/05/23	04/06/23	MES
4,4'-DDD	ND		ug/Kg	5.0	1	311163	04/05/23	04/06/23	MES
Endrin aldehyde	ND		ug/Kg	5.0	1	311163	04/05/23	04/06/23	MES
Endrin ketone	ND		ug/Kg	5.0	1	311163	04/05/23	04/06/23	MES
4,4'-DDT	ND		ug/Kg	5.0	1	311163	04/05/23	04/06/23	MES
Methoxychlor	ND		ug/Kg	10	1	311163	04/05/23	04/06/23	MES
Toxaphene	ND		ug/Kg	100	1	311163	04/05/23	04/06/23	MES
Chlordane (Technical)	ND		ug/Kg	50	1	311163	04/05/23	04/06/23	MES
Surrogates				**Limits**					
TCMX	100%		%REC	23-120	1	311163	04/05/23	04/06/23	MES
Decachlorobiphenyl	109%		%REC	24-120	1	311163	04/05/23	04/06/23	MES

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482118

Sample ID: DP-23-038-7.5	Lab ID: 482118-015	Collected: 03/23/23 10:46
	Matrix: Soil	

482118-015 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	ND		mg/Kg	0.98	0.98	310544	03/27/23	03/29/23	THP
Method: EPA 8081A Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	5.0	1	311163	04/05/23	04/06/23	MES
beta-BHC	ND		ug/Kg	5.0	1	311163	04/05/23	04/06/23	MES
gamma-BHC	ND		ug/Kg	5.0	1	311163	04/05/23	04/06/23	MES
delta-BHC	ND		ug/Kg	5.0	1	311163	04/05/23	04/06/23	MES
Heptachlor	ND		ug/Kg	5.0	1	311163	04/05/23	04/06/23	MES
Aldrin	ND		ug/Kg	5.0	1	311163	04/05/23	04/06/23	MES
Heptachlor epoxide	ND		ug/Kg	5.0	1	311163	04/05/23	04/06/23	MES
Endosulfan I	ND		ug/Kg	5.0	1	311163	04/05/23	04/06/23	MES
Dieldrin	ND		ug/Kg	5.0	1	311163	04/05/23	04/06/23	MES
4,4'-DDE	ND		ug/Kg	5.0	1	311163	04/05/23	04/06/23	MES
Endrin	ND		ug/Kg	5.0	1	311163	04/05/23	04/06/23	MES
Endosulfan II	ND		ug/Kg	5.0	1	311163	04/05/23	04/06/23	MES
Endosulfan sulfate	ND		ug/Kg	5.0	1	311163	04/05/23	04/06/23	MES
4,4'-DDD	ND		ug/Kg	5.0	1	311163	04/05/23	04/06/23	MES
Endrin aldehyde	ND		ug/Kg	5.0	1	311163	04/05/23	04/06/23	MES
Endrin ketone	ND		ug/Kg	5.0	1	311163	04/05/23	04/06/23	MES
4,4'-DDT	ND		ug/Kg	5.0	1	311163	04/05/23	04/06/23	MES
Methoxychlor	ND		ug/Kg	10	1	311163	04/05/23	04/06/23	MES
Toxaphene	ND		ug/Kg	100	1	311163	04/05/23	04/06/23	MES
Chlordane (Technical)	ND		ug/Kg	50	1	311163	04/05/23	04/06/23	MES
Surrogates				**Limits**					
TCMX	97%		%REC	23-120	1	311163	04/05/23	04/06/23	MES
Decachlorobiphenyl	112%		%REC	24-120	1	311163	04/05/23	04/06/23	MES

Sample ID: DP-23-038-10	Lab ID: 482118-016	Collected: 03/23/23 10:51
	Matrix: Soil	

482118-016 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8015B Prep Method: EPA 3580M									
TPH (C6-C12)	ND		mg/Kg	10	1	310707	03/29/23	03/30/23	BJG
TPH (C13-C22)	ND		mg/Kg	10	1	310707	03/29/23	03/30/23	BJG
TPH (C23-C44)	ND		mg/Kg	50	1	310707	03/29/23	03/30/23	BJG
Surrogates				**Limits**					
n-Triacontane	87%		%REC	70-130	1	310707	03/29/23	03/30/23	BJG

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482118

Sample ID: DP-23-042-0.5	Lab ID: 482118-017	Collected: 03/23/23 11:16
	Matrix: Soil	

482118-017 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	3.0	0.99	310544	03/27/23	03/29/23	THP
Arsenic	**4.1**		mg/Kg	0.99	0.99	310544	03/27/23	03/29/23	THP
Barium	**59**		mg/Kg	0.99	0.99	310544	03/27/23	03/29/23	THP
Beryllium	ND		mg/Kg	0.50	0.99	310544	03/27/23	03/29/23	THP
Cadmium	ND		mg/Kg	0.50	0.99	310544	03/27/23	03/29/23	THP
Chromium	**18**		mg/Kg	0.99	0.99	310544	03/27/23	03/29/23	THP
Cobalt	**6.0**		mg/Kg	0.50	0.99	310544	03/27/23	03/29/23	THP
Copper	**9.8**		mg/Kg	0.99	0.99	310544	03/27/23	03/29/23	THP
Lead	**4.8**		mg/Kg	0.99	0.99	310544	03/27/23	03/29/23	THP
Molybdenum	ND		mg/Kg	0.99	0.99	310544	03/27/23	03/29/23	THP
Nickel	**7.6**		mg/Kg	0.99	0.99	310544	03/27/23	03/29/23	THP
Selenium	ND		mg/Kg	3.0	0.99	310544	03/27/23	03/29/23	THP
Silver	ND		mg/Kg	0.50	0.99	310544	03/27/23	03/29/23	THP
Thallium	ND		mg/Kg	3.0	0.99	310544	03/27/23	03/29/23	THP
Vanadium	**43**		mg/Kg	0.99	0.99	310544	03/27/23	03/29/23	THP
Zinc	**43**		mg/Kg	5.0	0.99	310544	03/27/23	03/29/23	THP
Method: EPA 7471A Prep Method: METHOD									
Mercury	ND		mg/Kg	0.14	1	310600	03/29/23	03/29/23	KAM
Method: EPA 8015B Prep Method: EPA 3580M									
TPH (C6-C12)	ND		mg/Kg	9.9	0.99	310707	03/29/23	03/30/23	BJG
TPH (C13-C22)	ND		mg/Kg	9.9	0.99	310707	03/29/23	03/30/23	BJG
TPH (C23-C44)	ND		mg/Kg	50	0.99	310707	03/29/23	03/30/23	BJG
Surrogates				**Limits**					
n-Triacontane	113%		%REC	70-130	0.99	310707	03/29/23	03/30/23	BJG
Method: EPA 8081A Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	4.9	0.98	310569	03/28/23	03/28/23	TRN
beta-BHC	ND		ug/Kg	4.9	0.98	310569	03/28/23	03/28/23	TRN
gamma-BHC	ND		ug/Kg	4.9	0.98	310569	03/28/23	03/28/23	TRN
delta-BHC	ND		ug/Kg	4.9	0.98	310569	03/28/23	03/28/23	TRN
Heptachlor	ND		ug/Kg	4.9	0.98	310569	03/28/23	03/28/23	TRN
Aldrin	ND		ug/Kg	4.9	0.98	310569	03/28/23	03/28/23	TRN
Heptachlor epoxide	ND		ug/Kg	4.9	0.98	310569	03/28/23	03/28/23	TRN
Endosulfan I	ND		ug/Kg	4.9	0.98	310569	03/28/23	03/28/23	TRN
Dieldrin	ND		ug/Kg	4.9	0.98	310569	03/28/23	03/28/23	TRN
4,4'-DDE	ND		ug/Kg	4.9	0.98	310569	03/28/23	03/28/23	TRN
Endrin	ND		ug/Kg	4.9	0.98	310569	03/28/23	03/28/23	TRN
Endosulfan II	ND		ug/Kg	4.9	0.98	310569	03/28/23	03/28/23	TRN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482118

482118-017 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Endosulfan sulfate	ND		ug/Kg	4.9	0.98	310569	03/28/23	03/28/23	TRN
4,4'-DDD	ND		ug/Kg	4.9	0.98	310569	03/28/23	03/28/23	TRN
Endrin aldehyde	ND		ug/Kg	4.9	0.98	310569	03/28/23	03/28/23	TRN
Endrin ketone	ND		ug/Kg	4.9	0.98	310569	03/28/23	03/28/23	TRN
4,4'-DDT	ND		ug/Kg	4.9	0.98	310569	03/28/23	03/28/23	TRN
Methoxychlor	ND		ug/Kg	9.8	0.98	310569	03/28/23	03/28/23	TRN
Toxaphene	ND		ug/Kg	98	0.98	310569	03/28/23	03/28/23	TRN
Chlordane (Technical)	ND		ug/Kg	49	0.98	310569	03/28/23	03/28/23	TRN
Surrogates				**Limits**					
TCMX	70%		%REC	23-120	0.98	310569	03/28/23	03/28/23	TRN
Decachlorobiphenyl	75%		%REC	24-120	0.98	310569	03/28/23	03/28/23	TRN

Sample ID: DP-23-042-2.5 **Lab ID: 482118-018** **Collected: 03/23/23 11:18**
Matrix: Soil

482118-018 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	ND		mg/Kg	0.96	0.96	310544	03/27/23	03/29/23	THP

Sample ID: DP-23-042-5.0 **Lab ID: 482118-019** **Collected: 03/23/23 11:23**
Matrix: Soil

482118-019 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	ND		mg/Kg	0.98	0.98	310544	03/27/23	03/29/23	THP
Method: EPA 8015B Prep Method: EPA 3580M									
TPH (C6-C12)	ND		mg/Kg	9.9	0.99	310707	03/29/23	03/30/23	BJG
TPH (C13-C22)	ND		mg/Kg	9.9	0.99	310707	03/29/23	03/30/23	BJG
TPH (C23-C44)	ND		mg/Kg	50	0.99	310707	03/29/23	03/30/23	BJG
Surrogates				**Limits**					
n-Triacontane	90%		%REC	70-130	0.99	310707	03/29/23	03/30/23	BJG

Sample ID: DP-23-042-7.5 **Lab ID: 482118-020** **Collected: 03/23/23 11:26**
Matrix: Soil

482118-020 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	ND		mg/Kg	0.98	0.98	310544	03/27/23	03/29/23	THP

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482118

Sample ID: DP-23-042-10	Lab ID: 482118-021	Collected: 03/23/23 11:31
	Matrix: Soil	

482118-021 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8015B Prep Method: EPA 3580M									
TPH (C6-C12)	ND		mg/Kg	10	1	310707	03/29/23	03/30/23	BJG
TPH (C13-C22)	ND		mg/Kg	10	1	310707	03/29/23	03/30/23	BJG
TPH (C23-C44)	ND		mg/Kg	50	1	310707	03/29/23	03/30/23	BJG
Surrogates				**Limits**					
n-Triacontane	92%		%REC	70-130	1	310707	03/29/23	03/30/23	BJG

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482118

Sample ID: DP-23-041-0.5	Lab ID: 482118-022	Collected: 03/23/23 12:50
	Matrix: Soil	

482118-022 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	2.9	0.97	310544	03/27/23	03/29/23	THP
Arsenic	**1.9**		mg/Kg	0.97	0.97	310544	03/27/23	03/29/23	THP
Barium	**100**		mg/Kg	0.97	0.97	310544	03/27/23	03/29/23	THP
Beryllium	ND		mg/Kg	0.49	0.97	310544	03/27/23	03/29/23	THP
Cadmium	ND		mg/Kg	0.49	0.97	310544	03/27/23	03/29/23	THP
Chromium	**20**		mg/Kg	0.97	0.97	310544	03/27/23	03/29/23	THP
Cobalt	**6.6**		mg/Kg	0.49	0.97	310544	03/27/23	03/29/23	THP
Copper	**13**		mg/Kg	0.97	0.97	310544	03/27/23	03/29/23	THP
Lead	ND		mg/Kg	0.97	0.97	310544	03/27/23	03/29/23	THP
Molybdenum	ND		mg/Kg	0.97	0.97	310544	03/27/23	03/29/23	THP
Nickel	**6.1**		mg/Kg	0.97	0.97	310544	03/27/23	03/29/23	THP
Selenium	ND		mg/Kg	2.9	0.97	310544	03/27/23	03/29/23	THP
Silver	ND		mg/Kg	0.49	0.97	310544	03/27/23	03/29/23	THP
Thallium	ND		mg/Kg	2.9	0.97	310544	03/27/23	03/29/23	THP
Vanadium	**53**		mg/Kg	0.97	0.97	310544	03/27/23	03/29/23	THP
Zinc	**33**		mg/Kg	4.9	0.97	310544	03/27/23	03/29/23	THP
Method: EPA 7471A Prep Method: METHOD									
Mercury	ND		mg/Kg	0.14	1	310600	03/29/23	03/29/23	KAM
Method: EPA 8015B Prep Method: EPA 3580M									
TPH (C6-C12)	ND		mg/Kg	10	1	310707	03/29/23	03/30/23	BJG
TPH (C13-C22)	ND		mg/Kg	10	1	310707	03/29/23	03/30/23	BJG
TPH (C23-C44)	**230**		mg/Kg	50	1	310707	03/29/23	03/30/23	BJG
Surrogates				**Limits**					
n-Triacontane	92%		%REC	70-130	1	310707	03/29/23	03/30/23	BJG
Method: EPA 8081A Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	50	10	310569	03/28/23	03/28/23	TRN
beta-BHC	ND		ug/Kg	50	10	310569	03/28/23	03/28/23	TRN
gamma-BHC	ND		ug/Kg	50	10	310569	03/28/23	03/28/23	TRN
delta-BHC	ND		ug/Kg	50	10	310569	03/28/23	03/28/23	TRN
Heptachlor	ND		ug/Kg	50	10	310569	03/28/23	03/28/23	TRN
Aldrin	ND		ug/Kg	50	10	310569	03/28/23	03/28/23	TRN
Heptachlor epoxide	ND		ug/Kg	50	10	310569	03/28/23	03/28/23	TRN
Endosulfan I	ND		ug/Kg	50	10	310569	03/28/23	03/28/23	TRN
Dieldrin	ND		ug/Kg	50	10	310569	03/28/23	03/28/23	TRN
4,4'-DDE	ND		ug/Kg	50	10	310569	03/28/23	03/28/23	TRN
Endrin	ND		ug/Kg	50	10	310569	03/28/23	03/28/23	TRN
Endosulfan II	ND		ug/Kg	50	10	310569	03/28/23	03/28/23	TRN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482118

482118-022 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Endosulfan sulfate	ND		ug/Kg	50	10	310569	03/28/23	03/28/23	TRN
4,4'-DDD	ND		ug/Kg	50	10	310569	03/28/23	03/28/23	TRN
Endrin aldehyde	ND		ug/Kg	50	10	310569	03/28/23	03/28/23	TRN
Endrin ketone	ND		ug/Kg	50	10	310569	03/28/23	03/28/23	TRN
4,4'-DDT	ND		ug/Kg	50	10	310569	03/28/23	03/28/23	TRN
Methoxychlor	ND		ug/Kg	100	10	310569	03/28/23	03/28/23	TRN
Toxaphene	ND		ug/Kg	1,000	10	310569	03/28/23	03/28/23	TRN
Chlordane (Technical)	ND		ug/Kg	500	10	310569	03/28/23	03/28/23	TRN
Surrogates				**Limits**					
TCMX		DO	%REC	23-120	10	310569	03/28/23	03/28/23	TRN
Decachlorobiphenyl		DO	%REC	24-120	10	310569	03/28/23	03/28/23	TRN

Sample ID: DP-23-041-2.5 **Lab ID: 482118-023** **Collected: 03/23/23 12:50**
Matrix: Soil

482118-023 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	**1.0**		mg/Kg	0.97	0.97	310544	03/27/23	03/29/23	THP
Method: EPA 8015B Prep Method: EPA 3580M									
TPH (C6-C12)	ND		mg/Kg	10	1	311210	04/06/23	04/08/23	BJG
TPH (C13-C22)	ND		mg/Kg	10	1	311210	04/06/23	04/08/23	BJG
TPH (C23-C44)	ND		mg/Kg	50	1	311210	04/06/23	04/08/23	BJG
Surrogates				**Limits**					
n-Triacontane	120%		%REC	70-130	1	311210	04/06/23	04/08/23	BJG

Sample ID: DP-23-041-5 **Lab ID: 482118-024** **Collected: 03/23/23 12:55**
Matrix: Soil

482118-024 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	**1.2**		mg/Kg	0.99	0.99	310544	03/27/23	03/29/23	THP
Method: EPA 8015B Prep Method: EPA 3580M									
TPH (C6-C12)	ND		mg/Kg	10	1	310707	03/29/23	03/30/23	BJG
TPH (C13-C22)	**24**		mg/Kg	10	1	310707	03/29/23	03/30/23	BJG
TPH (C23-C44)	**670**		mg/Kg	50	1	310707	03/29/23	03/30/23	BJG
Surrogates				**Limits**					
n-Triacontane	88%		%REC	70-130	1	310707	03/29/23	03/30/23	BJG

Results for any subcontracted analyses are not included in this section.

Analysis Results for 482118

Sample ID: DP-23-041-7.5	Lab ID: 482118-025	Collected: 03/23/23 12:55
	Matrix: Soil	

482118-025 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	**6.2**		mg/Kg	4.8	4.8	310592	03/28/23	04/01/23	THP
Method: EPA 8015B Prep Method: EPA 3580M									
TPH (C6-C12)	ND		mg/Kg	10	1	311210	04/06/23	04/08/23	BJG
TPH (C13-C22)	ND		mg/Kg	10	1	311210	04/06/23	04/08/23	BJG
TPH (C23-C44)	ND		mg/Kg	50	1	311210	04/06/23	04/08/23	BJG
Surrogates				**Limits**					
n-Triacontane	117%		%REC	70-130	1	311210	04/06/23	04/08/23	BJG

Sample ID: DP-23-041-10	Lab ID: 482118-026	Collected: 03/23/23 13:00
	Matrix: Soil	

482118-026 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8015B Prep Method: EPA 3580M									
TPH (C6-C12)	ND		mg/Kg	9.9	0.99	310707	03/29/23	03/30/23	BJG
TPH (C13-C22)	**13**		mg/Kg	9.9	0.99	310707	03/29/23	03/30/23	BJG
TPH (C23-C44)	**200**		mg/Kg	50	0.99	310707	03/29/23	03/30/23	BJG
Surrogates				**Limits**					
n-Triacontane	99%		%REC	70-130	0.99	310707	03/29/23	03/30/23	BJG

DO Diluted Out
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1054562	Batch: 310544
Matrix: Soil	Method: EPA 6010B	Prep Method: EPA 3050B

QC1054562 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Antimony	ND		mg/Kg	3.0	03/27/23	03/28/23
Arsenic	ND		mg/Kg	1.0	03/27/23	03/28/23
Barium	ND		mg/Kg	1.0	03/27/23	03/28/23
Beryllium	ND		mg/Kg	0.50	03/27/23	03/28/23
Cadmium	ND		mg/Kg	0.50	03/27/23	03/28/23
Chromium	ND		mg/Kg	1.0	03/27/23	03/28/23
Cobalt	ND		mg/Kg	0.50	03/27/23	03/28/23
Copper	ND		mg/Kg	1.0	03/27/23	03/28/23
Lead	ND		mg/Kg	1.0	03/27/23	03/28/23
Molybdenum	ND		mg/Kg	1.0	03/27/23	03/28/23
Nickel	ND		mg/Kg	1.0	03/27/23	03/28/23
Selenium	ND		mg/Kg	3.0	03/27/23	03/28/23
Silver	ND		mg/Kg	0.50	03/27/23	03/28/23
Thallium	ND		mg/Kg	3.0	03/27/23	03/28/23
Vanadium	ND		mg/Kg	1.0	03/27/23	03/28/23
Zinc	ND		mg/Kg	5.0	03/27/23	03/28/23

Type: Lab Control Sample	Lab ID: QC1054563	Batch: 310544
Matrix: Soil	Method: EPA 6010B	Prep Method: EPA 3050B

QC1054563 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Antimony	100.6	100.0	mg/Kg	101%		80-120
Arsenic	98.56	100.0	mg/Kg	99%		80-120
Barium	111.1	100.0	mg/Kg	111%		80-120
Beryllium	107.5	100.0	mg/Kg	107%		80-120
Cadmium	107.5	100.0	mg/Kg	108%		80-120
Chromium	110.2	100.0	mg/Kg	110%		80-120
Cobalt	110.5	100.0	mg/Kg	111%		80-120
Copper	108.6	100.0	mg/Kg	109%		80-120
Lead	94.28	100.0	mg/Kg	94%		80-120
Molybdenum	100.0	100.0	mg/Kg	100%		80-120
Nickel	95.29	100.0	mg/Kg	95%		80-120
Selenium	83.95	100.0	mg/Kg	84%		80-120
Silver	43.42	50.00	mg/Kg	87%		80-120
Thallium	92.13	100.0	mg/Kg	92%		80-120
Vanadium	109.0	100.0	mg/Kg	109%		80-120
Zinc	105.4	100.0	mg/Kg	105%		80-120

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Batch QC

Type:	Matrix Spike	Lab ID:	QC1054564	Batch:	310544
Matrix (Source ID):	Soil (482118-001)	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC1054564 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Antimony	23.54	ND	99.01	mg/Kg	24%	*	75-125	0.99
Arsenic	102.3	1.543	99.01	mg/Kg	102%		75-125	0.99
Barium	322.2	175.8	99.01	mg/Kg	148%	*	75-125	0.99
Beryllium	111.0	0.1962	99.01	mg/Kg	112%		75-125	0.99
Cadmium	108.8	ND	99.01	mg/Kg	110%		75-125	0.99
Chromium	152.6	31.24	99.01	mg/Kg	123%		75-125	0.99
Cobalt	124.7	9.614	99.01	mg/Kg	116%		75-125	0.99
Copper	152.0	20.03	99.01	mg/Kg	133%	*	75-125	0.99
Lead	89.09	1.312	99.01	mg/Kg	89%		75-125	0.99
Molybdenum	92.52	ND	99.01	mg/Kg	93%		75-125	0.99
Nickel	99.08	7.704	99.01	mg/Kg	92%		75-125	0.99
Selenium	79.06	ND	99.01	mg/Kg	80%		75-125	0.99
Silver	43.09	ND	49.50	mg/Kg	87%		75-125	0.99
Thallium	82.91	0.6118	99.01	mg/Kg	83%		75-125	0.99
Vanadium	209.1	75.49	99.01	mg/Kg	135%	*	75-125	0.99
Zinc	168.6	48.79	99.01	mg/Kg	121%		75-125	0.99

Type:	Matrix Spike Duplicate	Lab ID:	QC1054565	Batch:	310544
Matrix (Source ID):	Soil (482118-001)	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC1054565 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Antimony	23.99	ND	98.04	mg/Kg	24%	*	75-125	3	41	0.98
Arsenic	102.4	1.543	98.04	mg/Kg	103%		75-125	1	35	0.98
Barium	293.6	175.8	98.04	mg/Kg	120%		75-125	9	20	0.98
Beryllium	110.8	0.1962	98.04	mg/Kg	113%		75-125	1	20	0.98
Cadmium	109.1	ND	98.04	mg/Kg	111%		75-125	1	20	0.98
Chromium	145.7	31.24	98.04	mg/Kg	117%		75-125	4	20	0.98
Cobalt	121.3	9.614	98.04	mg/Kg	114%		75-125	2	20	0.98
Copper	141.3	20.03	98.04	mg/Kg	124%		75-125	7	20	0.98
Lead	88.84	1.312	98.04	mg/Kg	89%		75-125	1	20	0.98
Molybdenum	94.87	ND	98.04	mg/Kg	97%		75-125	4	20	0.98
Nickel	97.29	7.704	98.04	mg/Kg	91%		75-125	1	20	0.98
Selenium	81.27	ND	98.04	mg/Kg	83%		75-125	4	20	0.98
Silver	43.42	ND	49.02	mg/Kg	89%		75-125	2	20	0.98
Thallium	83.79	0.6118	98.04	mg/Kg	85%		75-125	2	20	0.98
Vanadium	193.2	75.49	98.04	mg/Kg	120%		75-125	7	20	0.98
Zinc	157.0	48.79	98.04	mg/Kg	110%		75-125	6	20	0.98

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1054690	Batch: 310592
Matrix: Soil	Method: EPA 6010B	Prep Method: EPA 3050B

QC1054690 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Lead	ND		mg/Kg	1.0	03/28/23	04/01/23

Type: Lab Control Sample	Lab ID: QC1054691	Batch: 310592
Matrix: Soil	Method: EPA 6010B	Prep Method: EPA 3050B

QC1054691 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Lead	118.6	100.0	mg/Kg	119%		80-120

Type: Matrix Spike	Lab ID: QC1054692	Batch: 310592
Matrix (Source ID): Miscell. (482232-001)	Method: EPA 6010B	Prep Method: EPA 3050B

QC1054692 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Lead	107.8	5.167	95.24	mg/Kg	108%		75-125	0.95

Type: Matrix Spike Duplicate	Lab ID: QC1054693	Batch: 310592
Matrix (Source ID): Miscell. (482232-001)	Method: EPA 6010B	Prep Method: EPA 3050B

QC1054693 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Lead	112.2	5.167	100.0	mg/Kg	107%		75-125	1	20	1

Type: Blank	Lab ID: QC1054734	Batch: 310600
Matrix: Soil	Method: EPA 7471A	Prep Method: METHOD

QC1054734 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Mercury	ND		mg/Kg	0.14	03/29/23	03/29/23

Type: Lab Control Sample	Lab ID: QC1054735	Batch: 310600
Matrix: Soil	Method: EPA 7471A	Prep Method: METHOD

QC1054735 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Mercury	0.7591	0.8333	mg/Kg	91%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type: Matrix Spike	Lab ID: QC1054736	Batch: 310600
Matrix (Source ID): Soil (482118-001)	Method: EPA 7471A	Prep Method: METHOD

QC1054736 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	0.8303	ND	0.9259	mg/Kg	90%		75-125	1.1

Type: Matrix Spike Duplicate	Lab ID: QC1054737	Batch: 310600
Matrix (Source ID): Soil (482118-001)	Method: EPA 7471A	Prep Method: METHOD

QC1054737 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	0.7894	ND	0.9259	mg/Kg	85%		75-125	5	20	1.1

Type: Blank	Lab ID: QC1055073	Batch: 310707
Matrix: Soil	Method: EPA 8015B	Prep Method: EPA 3580M

QC1055073 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
TPH (C6-C12)	ND		mg/Kg	9.9	03/29/23	03/30/23
TPH (C13-C22)	ND		mg/Kg	9.9	03/29/23	03/30/23
TPH (C23-C44)	ND		mg/Kg	50	03/29/23	03/30/23
Surrogates				**Limits**		
n-Triacontane	88%		%REC	70-130	03/29/23	03/30/23

Type: Lab Control Sample	Lab ID: QC1055074	Batch: 310707
Matrix: Soil	Method: EPA 8015B	Prep Method: EPA 3580M

QC1055074 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Diesel C10-C28	215.5	249.1	mg/Kg	86%		76-122
Surrogates						
n-Triacontane	8.806	9.965	mg/Kg	88%		70-130

Type: Matrix Spike	Lab ID: QC1055075	Batch: 310707
Matrix (Source ID): Soil (482118-001)	Method: EPA 8015B	Prep Method: EPA 3580M

QC1055075 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Diesel C10-C28	217.5	1.345	249.1	mg/Kg	87%		62-126	1
Surrogates								
n-Triacontane	8.546		9.965	mg/Kg	86%		70-130	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1055076	Batch:	310707
Matrix (Source ID):	Soil (482118-001)	Method:	EPA 8015B	Prep Method:	EPA 3580M

QC1055076 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Diesel C10-C28	220.6	1.345	248.5	mg/Kg	88%		62-126	2	35	0.99
Surrogates										
n-Triacontane	8.113		9.940	mg/Kg	82%		70-130			0.99

Type:	Blank	Lab ID:	QC1056740	Batch:	311210
Matrix:	Soil	Method:	EPA 8015B	Prep Method:	EPA 3580M

QC1056740 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
TPH (C6-C12)	ND		mg/Kg	10	04/06/23	04/07/23
TPH (C13-C22)	ND		mg/Kg	10	04/06/23	04/07/23
TPH (C23-C44)	ND		mg/Kg	50	04/06/23	04/07/23
Surrogates				**Limits**		
n-Triacontane	119%		%REC	70-130	04/06/23	04/07/23

Type:	Lab Control Sample	Lab ID:	QC1056741	Batch:	311210
Matrix:	Soil	Method:	EPA 8015B	Prep Method:	EPA 3580M

QC1056741 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Diesel C10-C28	251.2	248.8	mg/Kg	101%		76-122
Surrogates						
n-Triacontane	10.95	9.950	mg/Kg	110%		70-130

Type:	Matrix Spike	Lab ID:	QC1056742	Batch:	311210
Matrix (Source ID):	Soil (482854-001)	Method:	EPA 8015B	Prep Method:	EPA 3580M

QC1056742 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Diesel C10-C28	270.1	ND	248.6	mg/Kg	109%		62-126	0.99
Surrogates								
n-Triacontane	11.67		9.945	mg/Kg	117%		70-130	0.99

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1056743**	**Batch:**	**311210**
Matrix (Source ID):	**Soil (482854-001)**	**Method:**	**EPA 8015B**	**Prep Method:**	**EPA 3580M**

QC1056743 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Diesel C10-C28	251.6	ND	248.5	mg/Kg	101%		62-126	7	35	0.99
Surrogates										
n-Triacontane	11.25		9.940	mg/Kg	113%		70-130			0.99

Type:	**Blank**	**Lab ID:**	**QC1054881**	**Batch:**	**310569**
Matrix:	**Soil**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3546**

QC1054881 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
alpha-BHC	ND		ug/Kg	5.0	03/28/23	03/28/23
beta-BHC	ND		ug/Kg	5.0	03/28/23	03/28/23
gamma-BHC	ND		ug/Kg	5.0	03/28/23	03/28/23
delta-BHC	ND		ug/Kg	5.0	03/28/23	03/28/23
Heptachlor	ND		ug/Kg	5.0	03/28/23	03/28/23
Aldrin	ND		ug/Kg	5.0	03/28/23	03/28/23
Heptachlor epoxide	ND		ug/Kg	5.0	03/28/23	03/28/23
Endosulfan I	ND		ug/Kg	5.0	03/28/23	03/28/23
Dieldrin	ND		ug/Kg	5.0	03/28/23	03/28/23
4,4'-DDE	ND		ug/Kg	5.0	03/28/23	03/28/23
Endrin	ND		ug/Kg	5.0	03/28/23	03/28/23
Endosulfan II	ND		ug/Kg	5.0	03/28/23	03/28/23
Endosulfan sulfate	ND		ug/Kg	5.0	03/28/23	03/28/23
4,4'-DDD	ND		ug/Kg	5.0	03/28/23	03/28/23
Endrin aldehyde	ND		ug/Kg	5.0	03/28/23	03/28/23
Endrin ketone	ND		ug/Kg	5.0	03/28/23	03/28/23
4,4'-DDT	ND		ug/Kg	5.0	03/28/23	03/28/23
Methoxychlor	ND		ug/Kg	10	03/28/23	03/28/23
Toxaphene	ND		ug/Kg	100	03/28/23	03/28/23
Chlordane (Technical)	ND		ug/Kg	50	03/28/23	03/28/23
Surrogates				**Limits**		
TCMX	71%		%REC	23-120	03/28/23	03/28/23
Decachlorobiphenyl	66%		%REC	24-120	03/28/23	03/28/23

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	**Lab ID: QC1054882**	**Batch: 310569**
Matrix: Soil	**Method: EPA 8081A**	**Prep Method: EPA 3546**

QC1054882 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
alpha-BHC	41.05	50.51	ug/Kg	81%		22-129
beta-BHC	41.29	50.51	ug/Kg	82%		28-125
gamma-BHC	40.57	50.51	ug/Kg	80%		22-128
delta-BHC	40.98	50.51	ug/Kg	81%		24-131
Heptachlor	38.90	50.51	ug/Kg	77%		18-124
Aldrin	33.21	50.51	ug/Kg	66%		23-120
Heptachlor epoxide	39.36	50.51	ug/Kg	78%		26-120
Endosulfan I	40.73	50.51	ug/Kg	81%		25-126
Dieldrin	37.58	50.51	ug/Kg	74%		23-124
4,4'-DDE	38.33	50.51	ug/Kg	76%		28-121
Endrin	40.16	50.51	ug/Kg	80%		25-127
Endosulfan II	39.08	50.51	ug/Kg	77%		29-121
Endosulfan sulfate	36.48	50.51	ug/Kg	72%		30-121
4,4'-DDD	38.39	50.51	ug/Kg	76%		26-120
Endrin aldehyde	26.87	50.51	ug/Kg	53%		10-120
Endrin ketone	37.19	50.51	ug/Kg	74%	#	28-125
4,4'-DDT	35.42	50.51	ug/Kg	70%		22-125
Methoxychlor	37.08	50.51	ug/Kg	73%	#	28-130
Surrogates						
TCMX	37.21	50.51	ug/Kg	74%		23-120
Decachlorobiphenyl	35.78	50.51	ug/Kg	71%		24-120

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC1054884**	**Batch:**	**310569**
Matrix (Source ID):	**Soil (482269-002)**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3546**

QC1054884 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
alpha-BHC	38.71	ND	51.02	ug/Kg	76%		46-120	10
beta-BHC	43.73	ND	51.02	ug/Kg	86%		41-120	10
gamma-BHC	44.01	ND	51.02	ug/Kg	86%		41-120	10
delta-BHC	42.73	ND	51.02	ug/Kg	84%		38-123	10
Heptachlor	47.80	ND	51.02	ug/Kg	94%		39-120	10
Aldrin	40.88	ND	51.02	ug/Kg	80%		34-120	10
Heptachlor epoxide	48.97	ND	51.02	ug/Kg	96%		43-120	10
Endosulfan I	50.12	ND	51.02	ug/Kg	98%		45-120	10
Dieldrin	45.03	ND	51.02	ug/Kg	88%		45-120	10
4,4'-DDE	60.79	ND	51.02	ug/Kg	119%		34-120	10
Endrin	52.96	ND	51.02	ug/Kg	104%		40-120	10
Endosulfan II	49.83	ND	51.02	ug/Kg	98%		41-120	10
Endosulfan sulfate	43.57	ND	51.02	ug/Kg	85%		42-120	10
4,4'-DDD	55.39	ND	51.02	ug/Kg	109%		41-120	10
Endrin aldehyde	40.85	ND	51.02	ug/Kg	80%		30-120	10
Endrin ketone	49.21	ND	51.02	ug/Kg	96%	#	45-120	10
4,4'-DDT	57.51	ND	51.02	ug/Kg	113%		35-127	10
Methoxychlor	53.42	ND	51.02	ug/Kg		DO	42-136	10
Surrogates								
TCMX	39.46		51.02	ug/Kg		DO	23-120	10
Decachlorobiphenyl	54.23		51.02	ug/Kg		DO	24-120	10

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1054885**	**Batch:**	**310569**
Matrix (Source ID):	**Soil (482269-002)**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3546**

QC1054885 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
alpha-BHC	35.69	ND	49.02	ug/Kg	73%		46-120	4	30	9.8
beta-BHC	40.33	ND	49.02	ug/Kg	82%		41-120	4	30	9.8
gamma-BHC	39.67	ND	49.02	ug/Kg	81%		41-120	6	30	9.8
delta-BHC	36.81	ND	49.02	ug/Kg	75%		38-123	11	30	9.8
Heptachlor	43.27	ND	49.02	ug/Kg	88%		39-120	6	30	9.8
Aldrin	39.35	ND	49.02	ug/Kg	80%		34-120	0	30	9.8
Heptachlor epoxide	46.83	ND	49.02	ug/Kg	96%		43-120	0	30	9.8
Endosulfan I	45.80	ND	49.02	ug/Kg	93%		45-120	5	30	9.8
Dieldrin	44.72	ND	49.02	ug/Kg	91%		45-120	3	30	9.8
4,4'-DDE	50.10	ND	49.02	ug/Kg	102%		34-120	15	30	9.8
Endrin	49.22	ND	49.02	ug/Kg	100%		40-120	3	30	9.8
Endosulfan II	44.45	ND	49.02	ug/Kg	91%		41-120	7	30	9.8
Endosulfan sulfate	38.43	ND	49.02	ug/Kg	78%		42-120	9	30	9.8
4,4'-DDD	46.29	ND	49.02	ug/Kg	94%		41-120	14	30	9.8
Endrin aldehyde	35.60	ND	49.02	ug/Kg	73%		30-120	10	30	9.8
Endrin ketone	45.77	ND	49.02	ug/Kg	93%	#	45-120	3	30	9.8
4,4'-DDT	52.02	ND	49.02	ug/Kg	106%		35-127	6	30	9.8
Methoxychlor	46.46	ND	49.02	ug/Kg		DO	42-136		30	9.8
Surrogates										
TCMX	38.59		49.02	ug/Kg		DO	23-120			9.8
Decachlorobiphenyl	46.61		49.02	ug/Kg		DO	24-120			9.8

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID: QC1056568**	**Batch: 311163**
Matrix: Soil	**Method: EPA 8081A**	**Prep Method: EPA 3546**

QC1056568 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
alpha-BHC	ND		ug/Kg	4.9	04/05/23	04/06/23
beta-BHC	ND		ug/Kg	4.9	04/05/23	04/06/23
gamma-BHC	ND		ug/Kg	4.9	04/05/23	04/06/23
delta-BHC	ND		ug/Kg	4.9	04/05/23	04/06/23
Heptachlor	ND		ug/Kg	4.9	04/05/23	04/06/23
Aldrin	ND		ug/Kg	4.9	04/05/23	04/06/23
Heptachlor epoxide	ND		ug/Kg	4.9	04/05/23	04/06/23
Endosulfan I	ND		ug/Kg	4.9	04/05/23	04/06/23
Dieldrin	ND		ug/Kg	4.9	04/05/23	04/06/23
4,4'-DDE	ND		ug/Kg	4.9	04/05/23	04/06/23
Endrin	ND		ug/Kg	4.9	04/05/23	04/06/23
Endosulfan II	ND		ug/Kg	4.9	04/05/23	04/06/23
Endosulfan sulfate	ND		ug/Kg	4.9	04/05/23	04/06/23
4,4'-DDD	ND		ug/Kg	4.9	04/05/23	04/06/23
Endrin aldehyde	ND		ug/Kg	4.9	04/05/23	04/06/23
Endrin ketone	ND		ug/Kg	4.9	04/05/23	04/06/23
4,4'-DDT	ND		ug/Kg	4.9	04/05/23	04/06/23
Methoxychlor	ND		ug/Kg	9.9	04/05/23	04/06/23
Toxaphene	ND		ug/Kg	99	04/05/23	04/06/23
Chlordane (Technical)	ND		ug/Kg	49	04/05/23	04/06/23
Surrogates				**Limits**		
TCMX	100%		%REC	23-120	04/05/23	04/06/23
Decachlorobiphenyl	120%		%REC	24-120	04/05/23	04/06/23

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	**Lab ID: QC1056569**	**Batch: 311163**
Matrix: Soil	**Method: EPA 8081A**	**Prep Method: EPA 3546**

QC1056569 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
alpha-BHC	57.76	49.90	ug/Kg	116%		22-129
beta-BHC	54.57	49.90	ug/Kg	109%		28-125
gamma-BHC	56.47	49.90	ug/Kg	113%		22-128
delta-BHC	56.98	49.90	ug/Kg	114%		24-131
Heptachlor	56.75	49.90	ug/Kg	114%		18-124
Aldrin	52.26	49.90	ug/Kg	105%		23-120
Heptachlor epoxide	58.44	49.90	ug/Kg	117%		26-120
Endosulfan I	60.84	49.90	ug/Kg	122%		25-126
Dieldrin	59.10	49.90	ug/Kg	118%		23-124
4,4'-DDE	60.07	49.90	ug/Kg	120%		28-121
Endrin	60.52	49.90	ug/Kg	121%		25-127
Endosulfan II	60.14	49.90	ug/Kg	121%		29-121
Endosulfan sulfate	54.69	49.90	ug/Kg	110%		30-121
4,4'-DDD	61.45	49.90	ug/Kg	123%	*	26-120
Endrin aldehyde	27.83	49.90	ug/Kg	56%		10-120
Endrin ketone	59.14	49.90	ug/Kg	119%		28-125
4,4'-DDT	57.03	49.90	ug/Kg	114%		22-125
Methoxychlor	57.43	49.90	ug/Kg	115%		28-130
Surrogates						
TCMX	49.50	49.90	ug/Kg	99%		23-120
Decachlorobiphenyl	55.94	49.90	ug/Kg	112%		24-120

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC1056643**	**Batch:**	**311163**
Matrix (Source ID):	**Soil (482637-001)**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3546**

QC1056643 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
alpha-BHC	52.65	17.08	49.60	ug/Kg	72%		46-120	5
beta-BHC	99.65	ND	49.60	ug/Kg	201%	*	41-120	5
gamma-BHC	80.44	ND	49.60	ug/Kg	105%		41-120	5
delta-BHC	56.94	ND	49.60	ug/Kg	115%		38-123	5
Heptachlor	59.18	ND	49.60	ug/Kg	119%		39-120	5
Aldrin	78.69	15.38	49.60	ug/Kg	128%	*	34-120	5
Heptachlor epoxide	90.18	ND	49.60	ug/Kg	182%	*	43-120	5
Endosulfan I	86.16	18.76	49.60	ug/Kg	136%	*	45-120	5
Dieldrin	84.66	ND	49.60	ug/Kg	171%	*	45-120	5
4,4'-DDE	68.47	16.04	49.60	ug/Kg	106%		34-120	5
Endrin	71.96	ND	49.60	ug/Kg	145%	*	40-120	5
Endosulfan II	63.41	ND	49.60	ug/Kg	128%	*	41-120	5
Endosulfan sulfate	196.0	ND	49.60	ug/Kg	395%	*	42-120	5
4,4'-DDD	71.76	ND	49.60	ug/Kg	91%		41-120	5
Endrin aldehyde	55.52	8.543	49.60	ug/Kg	95%		30-120	5
Endrin ketone	89.31	10.97	49.60	ug/Kg	158%	*	45-120	5
4,4'-DDT	67.24	11.33	49.60	ug/Kg	113%		35-127	5
Methoxychlor	78.39	ND	49.60	ug/Kg	21%	*	42-136	5
Surrogates								
TCMX	50.10		49.60	ug/Kg	101%		23-120	5
Decachlorobiphenyl	67.30		49.60	ug/Kg	136%	*	24-120	5

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1056644**	**Batch:**	**311163**
Matrix (Source ID):	**Soil (482637-001)**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3546**

QC1056644 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
alpha-BHC	51.69	17.08	49.07	ug/Kg	71%		46-120	1	30	4.9
beta-BHC	95.28	ND	49.07	ug/Kg	194%	*	41-120	3	30	4.9
gamma-BHC	73.63	ND	49.07	ug/Kg	93%		41-120	8	30	4.9
delta-BHC	54.45	ND	49.07	ug/Kg	111%		38-123	3	30	4.9
Heptachlor	55.88	ND	49.07	ug/Kg	114%		39-120	5	30	4.9
Aldrin	71.57	15.38	49.07	ug/Kg	115%		34-120	9	30	4.9
Heptachlor epoxide	87.04	ND	49.07	ug/Kg	177%	*	43-120	2	30	4.9
Endosulfan I	82.23	18.76	49.07	ug/Kg	129%	*	45-120	4	30	4.9
Dieldrin	97.72	ND	49.07	ug/Kg	199%	*	45-120	15	30	4.9
4,4'-DDE	57.36	16.04	49.07	ug/Kg	84%		34-120	17	30	4.9
Endrin	64.57	ND	49.07	ug/Kg	132%	*	40-120	10	30	4.9
Endosulfan II	61.31	ND	49.07	ug/Kg	125%	*	41-120	2	30	4.9
Endosulfan sulfate	176.3	ND	49.07	ug/Kg	359%	*	42-120	9	30	4.9
4,4'-DDD	71.66	ND	49.07	ug/Kg	92%		41-120	1	30	4.9
Endrin aldehyde	48.00	8.543	49.07	ug/Kg	80%		30-120	14	30	4.9
Endrin ketone	86.41	10.97	49.07	ug/Kg	154%	*	45-120	2	30	4.9
4,4'-DDT	63.03	11.33	49.07	ug/Kg	105%		35-127	6	30	4.9
Methoxychlor	132.8	ND	49.07	ug/Kg	132%		42-136	53*	30	4.9
Surrogates										
TCMX	48.49		49.07	ug/Kg	99%		23-120			4.9
Decachlorobiphenyl	78.63		49.07	ug/Kg	160%	*	24-120			4.9

\# CCV drift outside limits; average CCV drift within limits per method requirements
* Value is outside QC limits
DO Diluted Out
ND Not Detected

Mobile Geochemistry Inc.

14 February 2023

Chuck Houser
SCS Engineers - San Diego
8799 Balboa Avenue, Suite 290
San Diego, CA 92123

H&P Project: SCS020723-L1
Client Project: 3580 Sports Arena Blvd

Dear Chuck Houser:

Enclosed is the analytical report for the above referenced project. The data herein applies to samples as received by H&P Mobile Geochemistry, Inc. on 07-Feb-23 which were analyzed in accordance with the attached Chain of Custody record(s).

The results for all sample analyses and required QA/QC analyses are presented in the following sections and summarized in the documents:

- Sample Summary
- Case Narrative (if applicable)
- Sample Results
- Quality Control Summary
- Notes and Definitions / Appendix
- Chain of Custody
- Sampling Logs (if applicable)

Unless otherwise noted, I certify that all analyses were performed and reviewed in compliance with our Quality Systems Manual and Standard Operating Procedures. This report shall not be reproduced, except in full, without the written approval of H&P Mobile Geochemistry, Inc.

We at H&P Mobile Geochemistry, Inc. sincerely appreciate the opportunity to provide analytical services to you on this project. If you have any questions or concerns regarding this analytical report, please contact me at your convenience at 760-804-9678.

Sincerely,

Lisa Eminhizer
Laboratory Director

H&P Mobile Geochemistry, Inc. is certified under the California ELAP and the National Environmental Laboratory Accreditation Conference (NELAC) for the fields of proficiency and analytes listed on those certificates. H& P is approved as an Environmental Testing Laboratory in accordance with the DoD-ELAP Program and ISO/IEC 17025:2005 programs for the fields of proficiency and analytes included in the certification process and to the extent offered by the accreditation agency . Unless otherwise noted, accreditation certificate numbers, expiration of certificates, and scope of accreditation can be found at: www.handpmg.com/about/certifications. Fields of services and analytes contained in this report that are not listed on the certificates should be considered uncertified or unavailable for certification.

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SCS Engineers - San Diego	Project: SCS020723-L1	
8799 Balboa Avenue, Suite 290	Project Number: 3580 Sports Arena Blvd	Reported:
San Diego, CA 92123	Project Manager: Chuck Houser	14-Feb-23 12:12

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
DPV-23-053	E302008-01	Vapor	07-Feb-23	07-Feb-23
SV-23-067-5	E302008-02	Vapor	07-Feb-23	07-Feb-23
SV-23-066-5	E302008-03	Vapor	07-Feb-23	07-Feb-23
SV-23-061-5	E302008-04	Vapor	07-Feb-23	07-Feb-23
SV-23-061-5 REP	E302008-05	Vapor	07-Feb-23	07-Feb-23
SV-23-065-5	E302008-06	Vapor	07-Feb-23	07-Feb-23
SV-23-068-5	E302008-07	Vapor	07-Feb-23	07-Feb-23

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DETECTIONS SUMMARY

Sample ID: **DPV-23-053** Laboratory ID: **E302008-01**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **SV-23-067-5** Laboratory ID: **E302008-02**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **SV-23-066-5** Laboratory ID: **E302008-03**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **SV-23-061-5** Laboratory ID: **E302008-04**

Analyte	Result	Reporting Limit	Units	Method	Notes
m,p-Xylene	**0.20**	0.10	ug/l	H&P 8260SV	

Sample ID: **SV-23-061-5 REP** Laboratory ID: **E302008-05**

Analyte	Result	Reporting Limit	Units	Method	Notes
m,p-Xylene	**0.21**	0.10	ug/l	H&P 8260SV	

Sample ID: **SV-23-065-5** Laboratory ID: **E302008-06**

Analyte	Result	Reporting Limit	Units	Method	Notes
Ethylbenzene	**0.37**	0.10	ug/l	H&P 8260SV	
m,p-Xylene	**1.6**	0.10	ug/l	H&P 8260SV	
o-Xylene	**0.45**	0.10	ug/l	H&P 8260SV	

Sample ID: **SV-23-068-5** Laboratory ID: **E302008-07**

Analyte	Result	Reporting Limit	Units	Method	Notes
Tetrachloroethene	**0.022**	0.020	ug/l	H&P 8260SV	
Ethylbenzene	**0.87**	0.10	ug/l	H&P 8260SV	
m,p-Xylene	**3.6**	0.10	ug/l	H&P 8260SV	
o-Xylene	**0.99**	0.10	ug/l	H&P 8260SV	

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8799 Balboa Avenue, Suite 290	Project Number: 3580 Sports Arena Blvd	Reported:
San Diego, CA 92123	Project Manager: Chuck Houser	14-Feb-23 12:12

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
DPV-23-053 (E302008-01) Vapor Sampled: 07-Feb-23 Received: 07-Feb-23									
1,1-Difluoroethane (LCC)	ND	0.10	ug/l	0.01	EB30712	07-Feb-23	07-Feb-23	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.10	"	"	"	"	"	"	
Chloromethane	ND	0.10	"	"	"	"	"	"	
Vinyl chloride	ND	0.010	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.10	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.10	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.10	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.10	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Chloroform	ND	0.020	"	"	"	"	"	"	
Bromochloromethane	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.020	"	"	"	"	"	"	
Benzene	ND	0.020	"	"	"	"	"	"	
Trichloroethene	ND	0.020	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
Dibromomethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.20	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.10	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Tetrachloroethene	ND	0.020	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
m,p-Xylene	ND	0.10	"	"	"	"	"	"	

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8799 Balboa Avenue, Suite 290	Project Number: 3580 Sports Arena Blvd	Reported:
San Diego, CA 92123	Project Manager: Chuck Houser	14-Feb-23 12:12

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
DPV-23-053 (E302008-01) Vapor Sampled: 07-Feb-23 Received: 07-Feb-23									
o-Xylene	ND	0.10	ug/l	0.01	EB30712	07-Feb-23	07-Feb-23	H&P 8260SV	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.10	"	"	"	"	"	"	
n-Propylbenzene	ND	0.10	"	"	"	"	"	"	
Bromobenzene	ND	0.10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.10	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.10	"	"	"	"	"	"	
Naphthalene	ND	0.020	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*95.6 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*97.1 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*107 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*105 %*		*75-125*	"	"	"	"	

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8799 Balboa Avenue, Suite 290	Project Number: 3580 Sports Arena Blvd	Reported:
San Diego, CA 92123	Project Manager: Chuck Houser	14-Feb-23 12:12

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-23-067-5 (E302008-02) Vapor Sampled: 07-Feb-23 Received: 07-Feb-23									
1,1-Difluoroethane (LCC)	ND	0.10	ug/l	0.01	EB30712	07-Feb-23	07-Feb-23	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.10	"	"	"	"	"	"	
Chloromethane	ND	0.10	"	"	"	"	"	"	
Vinyl chloride	ND	0.010	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.10	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.10	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.10	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.10	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Chloroform	ND	0.020	"	"	"	"	"	"	
Bromochloromethane	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.020	"	"	"	"	"	"	
Benzene	ND	0.020	"	"	"	"	"	"	
Trichloroethene	ND	0.020	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
Dibromomethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.20	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.10	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Tetrachloroethene	ND	0.020	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
m,p-Xylene	ND	0.10	"	"	"	"	"	"	

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Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-23-067-5 (E302008-02) Vapor Sampled: 07-Feb-23 Received: 07-Feb-23									
o-Xylene	ND	0.10	ug/l	0.01	EB30712	07-Feb-23	07-Feb-23	H&P 8260SV	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.10	"	"	"	"	"	"	
n-Propylbenzene	ND	0.10	"	"	"	"	"	"	
Bromobenzene	ND	0.10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.10	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.10	"	"	"	"	"	"	
Naphthalene	ND	0.020	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*93.3 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*110 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*107 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*105 %*		*75-125*	"	"	"	"	

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San Diego, CA 92123	Project Manager: Chuck Houser	14-Feb-23 12:12

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-23-066-5 (E302008-03) Vapor Sampled: 07-Feb-23 Received: 07-Feb-23									
1,1-Difluoroethane (LCC)	ND	0.10	ug/l	0.01	EB30712	07-Feb-23	07-Feb-23	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.10	"	"	"	"	"	"	
Chloromethane	ND	0.10	"	"	"	"	"	"	
Vinyl chloride	ND	0.010	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.10	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.10	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.10	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.10	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Chloroform	ND	0.020	"	"	"	"	"	"	
Bromochloromethane	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.020	"	"	"	"	"	"	
Benzene	ND	0.020	"	"	"	"	"	"	
Trichloroethene	ND	0.020	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
Dibromomethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.20	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.10	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Tetrachloroethene	ND	0.020	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
m,p-Xylene	ND	0.10	"	"	"	"	"	"	

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SCS Engineers - San Diego	Project: SCS020723-L1	
8799 Balboa Avenue, Suite 290	Project Number: 3580 Sports Arena Blvd	Reported:
San Diego, CA 92123	Project Manager: Chuck Houser	14-Feb-23 12:12

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-23-066-5 (E302008-03) Vapor Sampled: 07-Feb-23 Received: 07-Feb-23									
o-Xylene	ND	0.10	ug/l	0.01	EB30712	07-Feb-23	07-Feb-23	H&P 8260SV	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.10	"	"	"	"	"	"	
n-Propylbenzene	ND	0.10	"	"	"	"	"	"	
Bromobenzene	ND	0.10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.10	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.10	"	"	"	"	"	"	
Naphthalene	ND	0.020	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*98.5 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*111 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*113 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*105 %*		*75-125*	"	"	"	"	

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SCS Engineers - San Diego	Project: SCS020723-L1	
8799 Balboa Avenue, Suite 290	Project Number: 3580 Sports Arena Blvd	Reported:
San Diego, CA 92123	Project Manager: Chuck Houser	14-Feb-23 12:12

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-23-061-5 (E302008-04) Vapor Sampled: 07-Feb-23 Received: 07-Feb-23									
1,1-Difluoroethane (LCC)	ND	0.10	ug/l	0.01	EB30712	07-Feb-23	07-Feb-23	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.10	"	"	"	"	"	"	
Chloromethane	ND	0.10	"	"	"	"	"	"	
Vinyl chloride	ND	0.010	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.10	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.10	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.10	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.10	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Chloroform	ND	0.020	"	"	"	"	"	"	
Bromochloromethane	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.020	"	"	"	"	"	"	
Benzene	ND	0.020	"	"	"	"	"	"	
Trichloroethene	ND	0.020	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
Dibromomethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.20	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.10	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Tetrachloroethene	ND	0.020	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
m,p-Xylene	**0.20**	0.10	"	"	"	"	"	"	

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SCS Engineers - San Diego	Project: SCS020723-L1	
8799 Balboa Avenue, Suite 290	Project Number: 3580 Sports Arena Blvd	Reported:
San Diego, CA 92123	Project Manager: Chuck Houser	14-Feb-23 12:12

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-23-061-5 (E302008-04) Vapor Sampled: 07-Feb-23 Received: 07-Feb-23									
o-Xylene	ND	0.10	ug/l	0.01	EB30712	07-Feb-23	07-Feb-23	H&P 8260SV	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.10	"	"	"	"	"	"	
n-Propylbenzene	ND	0.10	"	"	"	"	"	"	
Bromobenzene	ND	0.10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.10	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.10	"	"	"	"	"	"	
Naphthalene	ND	0.020	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*97.0 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*100 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*110 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*		*75-125*	"	"	"	"	

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SCS Engineers - San Diego	Project: SCS020723-L1	
8799 Balboa Avenue, Suite 290	Project Number: 3580 Sports Arena Blvd	Reported:
San Diego, CA 92123	Project Manager: Chuck Houser	14-Feb-23 12:12

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-23-061-5 REP (E302008-05) Vapor	**Sampled: 07-Feb-23**	**Received: 07-Feb-23**							
1,1-Difluoroethane (LCC)	ND	0.10	ug/l	0.01	EB30712	07-Feb-23	07-Feb-23	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.10	"	"	"	"	"	"	
Chloromethane	ND	0.10	"	"	"	"	"	"	
Vinyl chloride	ND	0.010	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.10	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.10	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.10	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.10	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Chloroform	ND	0.020	"	"	"	"	"	"	
Bromochloromethane	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.020	"	"	"	"	"	"	
Benzene	ND	0.020	"	"	"	"	"	"	
Trichloroethene	ND	0.020	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
Dibromomethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.20	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.10	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Tetrachloroethene	ND	0.020	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
m,p-Xylene	**0.21**	0.10	"	"	"	"	"	"	

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SCS Engineers - San Diego	Project: SCS020723-L1	
8799 Balboa Avenue, Suite 290	Project Number: 3580 Sports Arena Blvd	Reported:
San Diego, CA 92123	Project Manager: Chuck Houser	14-Feb-23 12:12

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-23-061-5 REP (E302008-05) Vapor Sampled: 07-Feb-23 Received: 07-Feb-23									
o-Xylene	ND	0.10	ug/l	0.01	EB30712	07-Feb-23	07-Feb-23	H&P 8260SV	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.10	"	"	"	"	"	"	
n-Propylbenzene	ND	0.10	"	"	"	"	"	"	
Bromobenzene	ND	0.10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.10	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.10	"	"	"	"	"	"	
Naphthalene	ND	0.020	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*96.3 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*104 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*111 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*101 %*		*75-125*	"	"	"	"	

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SCS Engineers - San Diego	Project: SCS020723-L1	
8799 Balboa Avenue, Suite 290	Project Number: 3580 Sports Arena Blvd	Reported:
San Diego, CA 92123	Project Manager: Chuck Houser	14-Feb-23 12:12

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-23-065-5 (E302008-06) Vapor Sampled: 07-Feb-23 Received: 07-Feb-23									
1,1-Difluoroethane (LCC)	ND	0.10	ug/l	0.01	EB30712	07-Feb-23	07-Feb-23	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.10	"	"	"	"	"	"	
Chloromethane	ND	0.10	"	"	"	"	"	"	
Vinyl chloride	ND	0.010	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.10	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.10	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.10	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.10	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Chloroform	ND	0.020	"	"	"	"	"	"	
Bromochloromethane	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.020	"	"	"	"	"	"	
Benzene	ND	0.020	"	"	"	"	"	"	
Trichloroethene	ND	0.020	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
Dibromomethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.20	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.10	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Tetrachloroethene	ND	0.020	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	**0.37**	0.10	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
m,p-Xylene	**1.6**	0.10	"	"	"	"	"	"	

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SCS Engineers - San Diego	Project: SCS020723-L1	
8799 Balboa Avenue, Suite 290	Project Number: 3580 Sports Arena Blvd	Reported:
San Diego, CA 92123	Project Manager: Chuck Houser	14-Feb-23 12:12

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-23-065-5 (E302008-06) Vapor Sampled: 07-Feb-23 Received: 07-Feb-23									
o-Xylene	**0.45**	0.10	ug/l	0.01	EB30712	07-Feb-23	07-Feb-23	H&P 8260SV	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.10	"	"	"	"	"	"	
n-Propylbenzene	ND	0.10	"	"	"	"	"	"	
Bromobenzene	ND	0.10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.10	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.10	"	"	"	"	"	"	
Naphthalene	ND	0.020	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*101 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*101 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*112 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*103 %*		*75-125*	"	"	"	"	

H&P Mobile
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SCS Engineers - San Diego	Project: SCS020723-L1	
8799 Balboa Avenue, Suite 290	Project Number: 3580 Sports Arena Blvd	Reported:
San Diego, CA 92123	Project Manager: Chuck Houser	14-Feb-23 12:12

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-23-068-5 (E302008-07) Vapor Sampled: 07-Feb-23 Received: 07-Feb-23									
1,1-Difluoroethane (LCC)	ND	0.10	ug/l	0.01	EB30712	07-Feb-23	07-Feb-23	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.10	"	"	"	"	"	"	
Chloromethane	ND	0.10	"	"	"	"	"	"	
Vinyl chloride	ND	0.010	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.10	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.10	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.10	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.10	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Chloroform	ND	0.020	"	"	"	"	"	"	
Bromochloromethane	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.020	"	"	"	"	"	"	
Benzene	ND	0.020	"	"	"	"	"	"	
Trichloroethene	ND	0.020	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
Dibromomethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.20	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.10	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Tetrachloroethene	**0.022**	0.020	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	**0.87**	0.10	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
m,p-Xylene	**3.6**	0.10	"	"	"	"	"	"	

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SCS Engineers - San Diego	Project: SCS020723-L1	
8799 Balboa Avenue, Suite 290	Project Number: 3580 Sports Arena Blvd	Reported:
San Diego, CA 92123	Project Manager: Chuck Houser	14-Feb-23 12:12

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-23-068-5 (E302008-07) Vapor Sampled: 07-Feb-23 Received: 07-Feb-23									
o-Xylene	**0.99**	0.10	ug/l	0.01	EB30712	07-Feb-23	07-Feb-23	H&P 8260SV	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.10	"	"	"	"	"	"	
n-Propylbenzene	ND	0.10	"	"	"	"	"	"	
Bromobenzene	ND	0.10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.10	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.10	"	"	"	"	"	"	
Naphthalene	ND	0.020	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*89.7 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*95.0 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*120 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*		*75-125*	"	"	"	"	

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SCS Engineers - San Diego	Project: SCS020723-L1	
8799 Balboa Avenue, Suite 290	Project Number: 3580 Sports Arena Blvd	Reported:
San Diego, CA 92123	Project Manager: Chuck Houser	14-Feb-23 12:12

Volatile Organic Compounds by H&P 8260SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EB30712 - EPA 5030										
Blank (EB30712-BLK1)				Prepared & Analyzed: 07-Feb-23						
1,1-Difluoroethane (LCC)	ND	0.10	ug/l							
Dichlorodifluoromethane (F12)	ND	0.10	"							
Chloromethane	ND	0.10	"							
Vinyl chloride	ND	0.010	"							
Bromomethane	ND	0.10	"							
Chloroethane	ND	0.10	"							
Trichlorofluoromethane (F11)	ND	0.10	"							
1,1-Dichloroethene	ND	0.10	"							
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.10	"							
Methylene chloride (Dichloromethane)	ND	0.10	"							
Methyl tertiary-butyl ether (MTBE)	ND	0.10	"							
trans-1,2-Dichloroethene	ND	0.10	"							
1,1-Dichloroethane	ND	0.10	"							
2,2-Dichloropropane	ND	0.10	"							
cis-1,2-Dichloroethene	ND	0.10	"							
Chloroform	ND	0.020	"							
Bromochloromethane	ND	0.10	"							
1,1,1-Trichloroethane	ND	0.10	"							
1,1-Dichloropropene	ND	0.10	"							
Carbon tetrachloride	ND	0.020	"							
1,2-Dichloroethane (EDC)	ND	0.020	"							
Benzene	ND	0.020	"							
Trichloroethene	ND	0.020	"							
1,2-Dichloropropane	ND	0.10	"							
Bromodichloromethane	ND	0.10	"							
Dibromomethane	ND	0.10	"							
cis-1,3-Dichloropropene	ND	0.10	"							
Toluene	ND	0.20	"							
trans-1,3-Dichloropropene	ND	0.10	"							
1,1,2-Trichloroethane	ND	0.10	"							
1,2-Dibromoethane (EDB)	ND	0.10	"							
1,3-Dichloropropane	ND	0.10	"							
Tetrachloroethene	ND	0.020	"							
Dibromochloromethane	ND	0.10	"							

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8799 Balboa Avenue, Suite 290	Project Number: 3580 Sports Arena Blvd	Reported:
San Diego, CA 92123	Project Manager: Chuck Houser	14-Feb-23 12:12

Volatile Organic Compounds by H&P 8260SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EB30712 - EPA 5030										
Blank (EB30712-BLK1)				Prepared & Analyzed: 07-Feb-23						
Chlorobenzene	ND	0.020	ug/l							
Ethylbenzene	ND	0.10	"							
1,1,1,2-Tetrachloroethane	ND	0.10	"							
m,p-Xylene	ND	0.10	"							
o-Xylene	ND	0.10	"							
Styrene	ND	0.10	"							
Bromoform	ND	0.10	"							
Isopropylbenzene (Cumene)	ND	0.10	"							
1,1,2,2-Tetrachloroethane	ND	0.10	"							
1,2,3-Trichloropropane	ND	0.10	"							
n-Propylbenzene	ND	0.10	"							
Bromobenzene	ND	0.10	"							
1,3,5-Trimethylbenzene	ND	0.10	"							
2-Chlorotoluene	ND	0.10	"							
4-Chlorotoluene	ND	0.10	"							
tert-Butylbenzene	ND	0.10	"							
1,2,4-Trimethylbenzene	ND	0.10	"							
sec-Butylbenzene	ND	0.10	"							
p-Isopropyltoluene	ND	0.10	"							
1,3-Dichlorobenzene	ND	0.10	"							
1,4-Dichlorobenzene	ND	0.10	"							
n-Butylbenzene	ND	0.10	"							
1,2-Dichlorobenzene	ND	0.10	"							
1,2-Dibromo-3-chloropropane	ND	1.0	"							
1,2,4-Trichlorobenzene	ND	0.10	"							
Hexachlorobutadiene	ND	0.10	"							
Naphthalene	ND	0.020	"							
1,2,3-Trichlorobenzene	ND	0.10	"							
Surrogate: Dibromofluoromethane	*0.562*		"	*0.500*		*112*	*75-125*			
Surrogate: 1,2-Dichloroethane-d4	*0.531*		"	*0.500*		*106*	*75-125*			
Surrogate: Toluene-d8	*0.564*		"	*0.500*		*113*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.545*		"	*0.500*		*109*	*75-125*			

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SCS Engineers - San Diego	Project: SCS020723-L1	
8799 Balboa Avenue, Suite 290	Project Number: 3580 Sports Arena Blvd	Reported:
San Diego, CA 92123	Project Manager: Chuck Houser	14-Feb-23 12:12

Volatile Organic Compounds by H&P 8260SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EB30712 - EPA 5030										
LCS (EB30712-BS1)				Prepared & Analyzed: 07-Feb-23						
Dichlorodifluoromethane (F12)	5.1	0.50	ug/l	5.00		102	70-130			
Vinyl chloride	5.2	0.050	"	5.00		104	70-130			
Chloroethane	5.0	0.50	"	5.00		101	70-130			
Trichlorofluoromethane (F11)	5.7	0.50	"	5.00		113	70-130			
1,1-Dichloroethene	5.4	0.50	"	5.00		108	70-130			
1,1,2 Trichlorotrifluoroethane (F113)	5.7	0.50	"	5.00		113	70-130			
Methylene chloride (Dichloromethane)	4.7	0.50	"	5.00		94.7	70-130			
trans-1,2-Dichloroethene	5.4	0.50	"	5.00		108	70-130			
1,1-Dichloroethane	5.1	0.50	"	5.00		102	70-130			
cis-1,2-Dichloroethene	5.2	0.50	"	5.00		105	70-130			
Chloroform	5.2	0.10	"	5.00		104	70-130			
1,1,1-Trichloroethane	5.7	0.50	"	5.00		115	70-130			
Carbon tetrachloride	5.6	0.10	"	5.00		112	70-130			
1,2-Dichloroethane (EDC)	4.9	0.10	"	5.00		97.5	70-130			
Benzene	5.3	0.10	"	5.00		106	70-130			
Trichloroethene	5.4	0.10	"	5.00		107	70-130			
Toluene	5.2	1.0	"	5.00		103	70-130			
1,1,2-Trichloroethane	4.9	0.50	"	5.00		97.5	70-130			
Tetrachloroethene	5.7	0.10	"	5.00		114	70-130			
Ethylbenzene	5.4	0.50	"	5.00		108	70-130			
1,1,1,2-Tetrachloroethane	6.3	0.50	"	5.00		127	70-130			
m,p-Xylene	11	0.50	"	10.0		108	70-130			
o-Xylene	5.3	0.50	"	5.00		106	70-130			
1,1,2,2-Tetrachloroethane	4.3	0.50	"	5.00		86.7	70-130			
Surrogate: Dibromofluoromethane	*2.60*		*"*	*2.50*		*104*	*75-125*			
Surrogate: 1,2-Dichloroethane-d4	*2.56*		*"*	*2.50*		*102*	*75-125*			
Surrogate: Toluene-d8	*2.70*		*"*	*2.50*		*108*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*2.71*		*"*	*2.50*		*108*	*75-125*			

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8799 Balboa Avenue, Suite 290	Project Number: 3580 Sports Arena Blvd	Reported:
San Diego, CA 92123	Project Manager: Chuck Houser	14-Feb-23 12:12

Notes and Definitions

LCC	Leak Check Compound
ND	Analyte NOT DETECTED at or above the reporting limit
MDL	Method Detection Limit
%REC	Percent Recovery
RPD	Relative Percent Difference

All soil results are reported in wet weight.

Appendix

H&P Mobile Geochemistry, Inc. is approved as an Environmental Testing Laboratory and Mobile Laboratory in accordance with the DoD-ELAP Program and ISO/IEC 17025:2005 programs through PJLA, accreditation number 69070 for EPA Method TO-15, EPA Method 8260B and H&P 8260SV.

H&P is approved by the State of California as an Environmental Laboratory and Mobile Laboratory in conformance with the Environmental Laboratory Accreditation Program (ELAP) for the category of Volatile and Semi-Volatile Organic Chemistry of Hazardous Waste, certification numbers 2740, 2741, 2743 & 2745.

H&P is approved by the State of Louisiana Department of Environmental Quality under the National Environmental Laboratory Accreditation Conference (NELAC) certification number 04138

The complete list of stationary and mobile laboratory certifications along with the fields of testing (FOTs) and analyte lists are available at www.handpmg.com/about/certifications.

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VAPOR / AIR Chain of Custody

DATE: 2/7/23
Page 1 of 2

Lab Client and Project Information

Lab Client/Consultant: SCS Engineers	Project Name / #: 01213320.07
Lab Client Project Manager: Chuck Houser	Project Location: 3580 Sports Arena Blvd
Lab Client Address: 8799 Balboa Ave #290	Report E-Mail(s): CHouser@scsengineers.com
Lab Client City, State, Zip: San Diego, CA 92126	
Phone Number: 858-805-5523	

Reporting Requirements
- [x] Standard Report ☐ Level III ☐ Level IV
- ☐ Excel EDD ☐ Other EDD:
- ☐ CA Geotracker Global ID:

Turnaround Time
- [x] **Standard** (7 days for preliminary report, 10 days for final report)
- ☐ **Rush** (specify):

Sampler Information
- Sampler(s): LOC NGO
- Signature:
- Date: 2/7/23

Sample Receipt (Lab Use Only)
- Date Rec'd: 2/7/23 Control #: 230056.01
- H&P Project # SCS020723-LAB1
- Lab Work Order # E302008
- Sample Intact: ☐ Yes ☐ No ☐ See Notes Below
- Receipt Gauge ID: Temp:
- Outside Lab:
- Receipt Notes/Tracking #:
- Lab PM Initials:

Additional Instructions to Laboratory:

* *Preferred VOC units (please choose one):*
[x] µg/L ☐ µg/m³ ☐ ppbv ☐ ppmv

SAMPLE NAME	FIELD POINT NAME (if applicable)	DATE mm/dd/yy	TIME 24hr clock	SAMPLE TYPE Indoor Air (IA), Ambient Air (AA), Subslab (SS), Soil Vapor (SV)	CONTAINER SIZE & TYPE 400mL/1L/6L Summa, Tedlar, Tube, etc.	CONTAINER ID (###)	Lab use only: Receipt Vac	VOCs Standard Full List ☐ 8260SV ☐ TO-15	VOCs Short List / Project List ☐ 8260SV ☐ TO-15	Oxygenates ☐ 8260SV ☐ TO-15	Naphthalene ☐ 8260SV ☐ TO-15	TPHv as Gas ☐ 8260SVm ☐ TO-15m	Aromatic/Aliphatic Fractions ☐ 8260SVm ☐ TO-15m	Leak Check Compound [x] DFA ☐ IPA ☐ He	Methane by EPA 8015m	Fixed Gases by ASTM D1945 ☐ CO2 ☐ O2 ☐ N2				
DPV-23-053		2/7/23	1146	S.V	6.S	358 282		✓						✓							
SV-23-067-5			1208			373 371		✓						✓							
SV-23-066-5			1238			354 282		✓						✓							
SV-23-061-5			1302			373 371		✓						✓							
SV-23-061-5 RP			1324			373 371		✓						✓							
SV-23-065-5			1416			362 282		✓						✓							
SV-23-068-5			1450			371 373		✓						✓							

Approved/Relinquished by:	Company: SCS	Date: 2/7/23	Time: 3:20PM	Received by: LOC NGO	Company: H&P	Date: 2/7/23	Time: 1520
Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:
Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:

*Approval constitutes as authorization to proceed with analysis and acceptance of conditions on back

Log Sheet: Soil Vapor Sampling with Syringe

H&P Project #: SCS020723-LAB1 Date: 2/7/23

Site Address: 3580 Sports Arena Blvd Page: 1 of 1 use

Consultant: SCS Engineers. H&P Rep(s): LOC NGO Reviewed: EC

Consultant Rep(s): CHUCK Scanned:

Equipment Info	Purge Volume Information	Leak Check Compound
Inline Gauge ID#:	PV Amount: 3PV	☑ 1,1-DFA
Pump ID# 642	PV Includes: ☑ Tubing ☑ Sand 40% ☑ Dry Bent 50%	☐ 1,1,1,2-TFA ☐ IPA ☐ Other:
		A cloth saturated with LCC is placed around tubing connections and probe seal. This is done for all samples unless otherwise noted.

	Sample Information				Probe Specs							Purge & Collection Information						
	Point ID	Syringe ID	Sample Volume (cc)	Sample Time	Probe Depth (ft)	Tubing Length (ft)	Tubing OD (in.)	Sand Ht (in.)	Sand Dia (in)	Dry Bent. Ht (in.)	Dry Bent. Dia (in.)	Shut In Test 60 sec (✓)	Leak Check (✓)	Purge Vol (mL)	Purge Flow Rate (mL/min)	Pump Time (min:sec)	Sample Flow Rate (mL/min)	ProbeVac ☐ Hg ☑ H_2O
1	DPV-23-053	356/282	100	1146	5	7	1/4	12	1.25	3	1.25	✓	✓	482	200	2:25	200	✓
2	SV-23-067-5	373/371	100	1158	5	7	1/8	12	1.5	6	1.5	✓	✓	697	200	3:29	200	✓
3	SV-23-066-5	356/282	100	1238	5	7	1/8	12	1.5	6	1.5	✓	✓	697	200	3:29	200	✓
4	SV-23-061-5	373/371	100	1302	5	7	1/8	12	1.5	6	1.5	✓	✓	697	200	3:29	200	✓
5	SV-23-061-5 (dup)	373/371	100	1329	5	7	1/8	12	1.5	6	1.5	✓	✓	747	—	—	200	✓
6	SV-23-065-5	356/282	100	1411	5	7	1/8	12	1.5	6	1.5	✓	✓	697	200	3:29	200	✓
7	SV-23-068-5	373/371	100	1450	5	7	1/8	12	1.5	6	1.5	✓	✓	697	200	3:29	200	✓
8																		
9																		
10																		
11																		
12																		

Site Notes such as weather, visitors, scope deviations, health & safety issues, etc. (When making sample specific notes, reference the line number above):

Mobile Geochemistry Inc.

30 March 2023

Chuck Houser
SCS Engineers - San Diego
8799 Balboa Avenue, Suite 290
San Diego, CA 92123

H&P Project: SCS032323-L1
Client Project: 3580 Sports Arena Blvd

Dear Chuck Houser:

Enclosed is the analytical report for the above referenced project. The data herein applies to samples as received by H&P Mobile Geochemistry, Inc. on 23-Mar-23 which were analyzed in accordance with the attached Chain of Custody record(s).

The results for all sample analyses and required QA/QC analyses are presented in the following sections and summarized in the documents:

- Sample Summary
- Case Narrative (if applicable)
- Sample Results
- Quality Control Summary
- Notes and Definitions / Appendix
- Chain of Custody
- Sampling Logs (if applicable)

Unless otherwise noted, I certify that all analyses were performed and reviewed in compliance with our Quality Systems Manual and Standard Operating Procedures. This report shall not be reproduced, except in full, without the written approval of H&P Mobile Geochemistry, Inc.

We at H&P Mobile Geochemistry, Inc. sincerely appreciate the opportunity to provide analytical services to you on this project. If you have any questions or concerns regarding this analytical report, please contact me at your convenience at 760-804-9678.

Sincerely,

Lisa Eminhizer
Laboratory Director

H&P Mobile Geochemistry, Inc. is certified under the California ELAP and the National Environmental Laboratory Accreditation Conference (NELAC) for the fields of proficiency and analytes listed on those certificates. H& P is approved as an Environmental Testing Laboratory in accordance with the DoD-ELAP Program and ISO/IEC 17025:2005 programs for the fields of proficiency and analytes included in the certification process and to the extent offered by the accreditation agency . Unless otherwise noted, accreditation certificate numbers, expiration of certificates, and scope of accreditation can be found at: www.handpmg.com/about/certifications. Fields of services and analytes contained in this report that are not listed on the certificates should be considered uncertified or unavailable for certification.

H&P Mobile
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SCS Engineers - San Diego	Project: SCS032323-L1	
8799 Balboa Avenue, Suite 290	Project Number: 3580 Sports Arena Blvd	Reported:
San Diego, CA 92123	Project Manager: Chuck Houser	30-Mar-23 08:48

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SV-23-063	E303046-01	Vapor	23-Mar-23	23-Mar-23
SV-23-063 REP	E303046-02	Vapor	23-Mar-23	23-Mar-23
SV-23-062	E303046-03	Vapor	23-Mar-23	23-Mar-23
SV-23-070	E303046-04	Vapor	23-Mar-23	23-Mar-23
SV-23-069	E303046-05	Vapor	23-Mar-23	23-Mar-23
SV-23-072	E303046-06	Vapor	23-Mar-23	23-Mar-23
SV-23-071	E303046-07	Vapor	23-Mar-23	23-Mar-23
SV-23-064	E303046-08	Vapor	23-Mar-23	23-Mar-23
SV-23-076	E303046-09	Vapor	23-Mar-23	23-Mar-23
SV-23-073	E303046-10	Vapor	23-Mar-23	23-Mar-23
SV-23-074	E303046-11	Vapor	23-Mar-23	23-Mar-23
SV-23-075	E303046-12	Vapor	23-Mar-23	23-Mar-23

The percent recoveries for Dibromochloromethane, 1,1,1,2-Tetrachloroethane and Bromoform fell below the method criteria in the continuing calibration verification. Any results for these analytes may be biased low.

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8799 Balboa Avenue, Suite 290	Project Number: 3580 Sports Arena Blvd	Reported:
San Diego, CA 92123	Project Manager: Chuck Houser	30-Mar-23 08:48

DETECTIONS SUMMARY

Sample ID: **SV-23-063** Laboratory ID: **E303046-01**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **SV-23-063 REP** Laboratory ID: **E303046-02**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **SV-23-062** Laboratory ID: **E303046-03**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **SV-23-070** Laboratory ID: **E303046-04**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **SV-23-069** Laboratory ID: **E303046-05**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **SV-23-072** Laboratory ID: **E303046-06**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **SV-23-071** Laboratory ID: **E303046-07**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **SV-23-064** Laboratory ID: **E303046-08**

Analyte	Result	Reporting Limit	Units	Method	Notes
Benzene	**0.032**	0.020	ug/l	H&P 8260SV	

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Sample ID: **SV-23-076** Laboratory ID: **E303046-09**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **SV-23-073** Laboratory ID: **E303046-10**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **SV-23-074** Laboratory ID: **E303046-11**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **SV-23-075** Laboratory ID: **E303046-12**

Analyte	Result	Reporting Limit	Units	Method	Notes
Tetrachloroethene	**0.041**	0.020	ug/l	H&P 8260SV	

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8799 Balboa Avenue, Suite 290	Project Number: 3580 Sports Arena Blvd	Reported:
San Diego, CA 92123	Project Manager: Chuck Houser	30-Mar-23 08:48

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-23-063 (E303046-01) Vapor Sampled: 23-Mar-23 Received: 23-Mar-23									
1,1-Difluoroethane (LCC)	ND	0.10	ug/l	0.01	EC32302	23-Mar-23	23-Mar-23	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.10	"	"	"	"	"	"	
Chloromethane	ND	0.10	"	"	"	"	"	"	
Vinyl chloride	ND	0.010	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.10	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.10	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.10	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.10	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Chloroform	ND	0.020	"	"	"	"	"	"	
Bromochloromethane	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.020	"	"	"	"	"	"	
Benzene	ND	0.020	"	"	"	"	"	"	
Trichloroethene	ND	0.020	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
Dibromomethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.20	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.10	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Tetrachloroethene	ND	0.020	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
m,p-Xylene	ND	0.10	"	"	"	"	"	"	

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8799 Balboa Avenue, Suite 290	Project Number: 3580 Sports Arena Blvd	Reported:
San Diego, CA 92123	Project Manager: Chuck Houser	30-Mar-23 08:48

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-23-063 (E303046-01) Vapor Sampled: 23-Mar-23 Received: 23-Mar-23									
o-Xylene	ND	0.10	ug/l	0.01	EC32302	23-Mar-23	23-Mar-23	H&P 8260SV	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.10	"	"	"	"	"	"	
n-Propylbenzene	ND	0.10	"	"	"	"	"	"	
Bromobenzene	ND	0.10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.10	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.10	"	"	"	"	"	"	
Naphthalene	ND	0.020	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*84.8 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*110 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*103 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*102 %*		*75-125*	"	"	"	"	

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8799 Balboa Avenue, Suite 290	Project Number: 3580 Sports Arena Blvd	Reported:
San Diego, CA 92123	Project Manager: Chuck Houser	30-Mar-23 08:48

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-23-063 REP (E303046-02) Vapor Sampled: 23-Mar-23 Received: 23-Mar-23									
1,1-Difluoroethane (LCC)	ND	0.10	ug/l	0.01	EC32302	23-Mar-23	23-Mar-23	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.10	"	"	"	"	"	"	
Chloromethane	ND	0.10	"	"	"	"	"	"	
Vinyl chloride	ND	0.010	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.10	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.10	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.10	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.10	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Chloroform	ND	0.020	"	"	"	"	"	"	
Bromochloromethane	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.020	"	"	"	"	"	"	
Benzene	ND	0.020	"	"	"	"	"	"	
Trichloroethene	ND	0.020	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
Dibromomethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.20	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.10	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Tetrachloroethene	ND	0.020	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
m,p-Xylene	ND	0.10	"	"	"	"	"	"	

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8799 Balboa Avenue, Suite 290	Project Number: 3580 Sports Arena Blvd	Reported:
San Diego, CA 92123	Project Manager: Chuck Houser	30-Mar-23 08:48

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-23-063 REP (E303046-02) Vapor Sampled: 23-Mar-23 Received: 23-Mar-23									
o-Xylene	ND	0.10	ug/l	0.01	EC32302	23-Mar-23	23-Mar-23	H&P 8260SV	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.10	"	"	"	"	"	"	
n-Propylbenzene	ND	0.10	"	"	"	"	"	"	
Bromobenzene	ND	0.10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.10	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.10	"	"	"	"	"	"	
Naphthalene	ND	0.020	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*86.8 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*113 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*105 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*94.5 %*		*75-125*	"	"	"	"	

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San Diego, CA 92123	Project Manager: Chuck Houser	30-Mar-23 08:48

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-23-062 (E303046-03) Vapor Sampled: 23-Mar-23 Received: 23-Mar-23									
1,1-Difluoroethane (LCC)	ND	0.10	ug/l	0.01	EC32302	23-Mar-23	23-Mar-23	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.10	"	"	"	"	"	"	
Chloromethane	ND	0.10	"	"	"	"	"	"	
Vinyl chloride	ND	0.010	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.10	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.10	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.10	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.10	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Chloroform	ND	0.020	"	"	"	"	"	"	
Bromochloromethane	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.020	"	"	"	"	"	"	
Benzene	ND	0.020	"	"	"	"	"	"	
Trichloroethene	ND	0.020	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
Dibromomethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.20	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.10	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Tetrachloroethene	ND	0.020	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
m,p-Xylene	ND	0.10	"	"	"	"	"	"	

H&P Mobile
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SCS Engineers - San Diego	Project: SCS032323-L1	
8799 Balboa Avenue, Suite 290	Project Number: 3580 Sports Arena Blvd	Reported:
San Diego, CA 92123	Project Manager: Chuck Houser	30-Mar-23 08:48

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-23-062 (E303046-03) Vapor Sampled: 23-Mar-23 Received: 23-Mar-23									
o-Xylene	ND	0.10	ug/l	0.01	EC32302	23-Mar-23	23-Mar-23	H&P 8260SV	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.10	"	"	"	"	"	"	
n-Propylbenzene	ND	0.10	"	"	"	"	"	"	
Bromobenzene	ND	0.10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.10	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.10	"	"	"	"	"	"	
Naphthalene	ND	0.020	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*85.4 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*110 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*105 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*96.6 %*		*75-125*	"	"	"	"	

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SCS Engineers - San Diego	Project: SCS032323-L1	
8799 Balboa Avenue, Suite 290	Project Number: 3580 Sports Arena Blvd	Reported:
San Diego, CA 92123	Project Manager: Chuck Houser	30-Mar-23 08:48

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-23-070 (E303046-04) Vapor Sampled: 23-Mar-23 Received: 23-Mar-23									
1,1-Difluoroethane (LCC)	ND	0.10	ug/l	0.01	EC32302	23-Mar-23	23-Mar-23	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.10	"	"	"	"	"	"	
Chloromethane	ND	0.10	"	"	"	"	"	"	
Vinyl chloride	ND	0.010	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.10	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.10	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.10	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.10	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Chloroform	ND	0.020	"	"	"	"	"	"	
Bromochloromethane	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.020	"	"	"	"	"	"	
Benzene	ND	0.020	"	"	"	"	"	"	
Trichloroethene	ND	0.020	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
Dibromomethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.20	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.10	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Tetrachloroethene	ND	0.020	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
m,p-Xylene	ND	0.10	"	"	"	"	"	"	

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SCS Engineers - San Diego	Project: SCS032323-L1	
8799 Balboa Avenue, Suite 290	Project Number: 3580 Sports Arena Blvd	Reported:
San Diego, CA 92123	Project Manager: Chuck Houser	30-Mar-23 08:48

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-23-070 (E303046-04) Vapor Sampled: 23-Mar-23 Received: 23-Mar-23									
o-Xylene	ND	0.10	ug/l	0.01	EC32302	23-Mar-23	23-Mar-23	H&P 8260SV	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.10	"	"	"	"	"	"	
n-Propylbenzene	ND	0.10	"	"	"	"	"	"	
Bromobenzene	ND	0.10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.10	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.10	"	"	"	"	"	"	
Naphthalene	ND	0.020	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*90.4 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*108 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*104 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*93.2 %*		*75-125*	"	"	"	"	

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SCS Engineers - San Diego	Project: SCS032323-L1	
8799 Balboa Avenue, Suite 290	Project Number: 3580 Sports Arena Blvd	Reported:
San Diego, CA 92123	Project Manager: Chuck Houser	30-Mar-23 08:48

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-23-069 (E303046-05) Vapor Sampled: 23-Mar-23 Received: 23-Mar-23									
1,1-Difluoroethane (LCC)	ND	0.10	ug/l	0.01	EC32302	23-Mar-23	23-Mar-23	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.10	"	"	"	"	"	"	
Chloromethane	ND	0.10	"	"	"	"	"	"	
Vinyl chloride	ND	0.010	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.10	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.10	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.10	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.10	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Chloroform	ND	0.020	"	"	"	"	"	"	
Bromochloromethane	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.020	"	"	"	"	"	"	
Benzene	ND	0.020	"	"	"	"	"	"	
Trichloroethene	ND	0.020	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
Dibromomethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.20	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.10	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Tetrachloroethene	ND	0.020	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
m,p-Xylene	ND	0.10	"	"	"	"	"	"	

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SCS Engineers - San Diego	Project: SCS032323-L1	
8799 Balboa Avenue, Suite 290	Project Number: 3580 Sports Arena Blvd	Reported:
San Diego, CA 92123	Project Manager: Chuck Houser	30-Mar-23 08:48

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-23-069 (E303046-05) Vapor Sampled: 23-Mar-23 Received: 23-Mar-23									
o-Xylene	ND	0.10	ug/l	0.01	EC32302	23-Mar-23	23-Mar-23	H&P 8260SV	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.10	"	"	"	"	"	"	
n-Propylbenzene	ND	0.10	"	"	"	"	"	"	
Bromobenzene	ND	0.10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.10	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.10	"	"	"	"	"	"	
Naphthalene	ND	0.020	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*93.2 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*114 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*104 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*96.8 %*		*75-125*	"	"	"	"	

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SCS Engineers - San Diego	Project: SCS032323-L1	
8799 Balboa Avenue, Suite 290	Project Number: 3580 Sports Arena Blvd	Reported:
San Diego, CA 92123	Project Manager: Chuck Houser	30-Mar-23 08:48

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-23-072 (E303046-06) Vapor Sampled: 23-Mar-23 Received: 23-Mar-23									
1,1-Difluoroethane (LCC)	ND	0.10	ug/l	0.01	EC32302	23-Mar-23	23-Mar-23	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.10	"	"	"	"	"	"	
Chloromethane	ND	0.10	"	"	"	"	"	"	
Vinyl chloride	ND	0.010	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.10	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.10	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.10	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.10	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Chloroform	ND	0.020	"	"	"	"	"	"	
Bromochloromethane	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.020	"	"	"	"	"	"	
Benzene	ND	0.020	"	"	"	"	"	"	
Trichloroethene	ND	0.020	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
Dibromomethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.20	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.10	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Tetrachloroethene	ND	0.020	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
m,p-Xylene	ND	0.10	"	"	"	"	"	"	

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SCS Engineers - San Diego	Project: SCS032323-L1	
8799 Balboa Avenue, Suite 290	Project Number: 3580 Sports Arena Blvd	Reported:
San Diego, CA 92123	Project Manager: Chuck Houser	30-Mar-23 08:48

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-23-072 (E303046-06) Vapor Sampled: 23-Mar-23 Received: 23-Mar-23									
o-Xylene	ND	0.10	ug/l	0.01	EC32302	23-Mar-23	23-Mar-23	H&P 8260SV	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.10	"	"	"	"	"	"	
n-Propylbenzene	ND	0.10	"	"	"	"	"	"	
Bromobenzene	ND	0.10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.10	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.10	"	"	"	"	"	"	
Naphthalene	ND	0.020	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*87.2 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*115 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*111 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99.1 %*		*75-125*	"	"	"	"	

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SCS Engineers - San Diego	Project: SCS032323-L1	
8799 Balboa Avenue, Suite 290	Project Number: 3580 Sports Arena Blvd	Reported:
San Diego, CA 92123	Project Manager: Chuck Houser	30-Mar-23 08:48

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-23-071 (E303046-07) Vapor Sampled: 23-Mar-23 Received: 23-Mar-23									
1,1-Difluoroethane (LCC)	ND	0.10	ug/l	0.01	EC32302	23-Mar-23	23-Mar-23	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.10	"	"	"	"	"	"	
Chloromethane	ND	0.10	"	"	"	"	"	"	
Vinyl chloride	ND	0.010	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.10	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.10	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.10	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.10	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Chloroform	ND	0.020	"	"	"	"	"	"	
Bromochloromethane	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.020	"	"	"	"	"	"	
Benzene	ND	0.020	"	"	"	"	"	"	
Trichloroethene	ND	0.020	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
Dibromomethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.20	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.10	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Tetrachloroethene	ND	0.020	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
m,p-Xylene	ND	0.10	"	"	"	"	"	"	

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SCS Engineers - San Diego	Project: SCS032323-L1	
8799 Balboa Avenue, Suite 290	Project Number: 3580 Sports Arena Blvd	Reported:
San Diego, CA 92123	Project Manager: Chuck Houser	30-Mar-23 08:48

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-23-071 (E303046-07) Vapor Sampled: 23-Mar-23 Received: 23-Mar-23									
o-Xylene	ND	0.10	ug/l	0.01	EC32302	23-Mar-23	23-Mar-23	H&P 8260SV	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.10	"	"	"	"	"	"	
n-Propylbenzene	ND	0.10	"	"	"	"	"	"	
Bromobenzene	ND	0.10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.10	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.10	"	"	"	"	"	"	
Naphthalene	ND	0.020	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*88.1 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*111 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*105 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*		*75-125*	"	"	"	"	

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SCS Engineers - San Diego	Project: SCS032323-L1	
8799 Balboa Avenue, Suite 290	Project Number: 3580 Sports Arena Blvd	Reported:
San Diego, CA 92123	Project Manager: Chuck Houser	30-Mar-23 08:48

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-23-064 (E303046-08) Vapor Sampled: 23-Mar-23 Received: 23-Mar-23									
1,1-Difluoroethane (LCC)	ND	0.10	ug/l	0.01	EC32302	23-Mar-23	23-Mar-23	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.10	"	"	"	"	"	"	
Chloromethane	ND	0.10	"	"	"	"	"	"	
Vinyl chloride	ND	0.010	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.10	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.10	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.10	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.10	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Chloroform	ND	0.020	"	"	"	"	"	"	
Bromochloromethane	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.020	"	"	"	"	"	"	
Benzene	**0.032**	0.020	"	"	"	"	"	"	
Trichloroethene	ND	0.020	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
Dibromomethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.20	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.10	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Tetrachloroethene	ND	0.020	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
m,p-Xylene	ND	0.10	"	"	"	"	"	"	

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SCS Engineers - San Diego	Project: SCS032323-L1	
8799 Balboa Avenue, Suite 290	Project Number: 3580 Sports Arena Blvd	Reported:
San Diego, CA 92123	Project Manager: Chuck Houser	30-Mar-23 08:48

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-23-064 (E303046-08) Vapor Sampled: 23-Mar-23 Received: 23-Mar-23									
o-Xylene	ND	0.10	ug/l	0.01	EC32302	23-Mar-23	23-Mar-23	H&P 8260SV	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.10	"	"	"	"	"	"	
n-Propylbenzene	ND	0.10	"	"	"	"	"	"	
Bromobenzene	ND	0.10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.10	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.10	"	"	"	"	"	"	
Naphthalene	ND	0.020	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*85.2 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*107 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*102 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*88.4 %*		*75-125*	"	"	"	"	

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SCS Engineers - San Diego	Project: SCS032323-L1	
8799 Balboa Avenue, Suite 290	Project Number: 3580 Sports Arena Blvd	Reported:
San Diego, CA 92123	Project Manager: Chuck Houser	30-Mar-23 08:48

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-23-076 (E303046-09) Vapor Sampled: 23-Mar-23 Received: 23-Mar-23									
1,1-Difluoroethane (LCC)	ND	0.10	ug/l	0.01	EC32302	23-Mar-23	23-Mar-23	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.10	"	"	"	"	"	"	
Chloromethane	ND	0.10	"	"	"	"	"	"	
Vinyl chloride	ND	0.010	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.10	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.10	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.10	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.10	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Chloroform	ND	0.020	"	"	"	"	"	"	
Bromochloromethane	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.020	"	"	"	"	"	"	
Benzene	ND	0.020	"	"	"	"	"	"	
Trichloroethene	ND	0.020	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
Dibromomethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.20	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.10	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Tetrachloroethene	ND	0.020	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
m,p-Xylene	ND	0.10	"	"	"	"	"	"	

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SCS Engineers - San Diego	Project: SCS032323-L1	
8799 Balboa Avenue, Suite 290	Project Number: 3580 Sports Arena Blvd	Reported:
San Diego, CA 92123	Project Manager: Chuck Houser	30-Mar-23 08:48

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-23-076 (E303046-09) Vapor Sampled: 23-Mar-23 Received: 23-Mar-23									
o-Xylene	ND	0.10	ug/l	0.01	EC32302	23-Mar-23	23-Mar-23	H&P 8260SV	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.10	"	"	"	"	"	"	
n-Propylbenzene	ND	0.10	"	"	"	"	"	"	
Bromobenzene	ND	0.10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.10	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.10	"	"	"	"	"	"	
Naphthalene	ND	0.020	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*80.8 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*113 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*103 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*94.9 %*		*75-125*	"	"	"	"	

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SCS Engineers - San Diego	Project: SCS032323-L1	
8799 Balboa Avenue, Suite 290	Project Number: 3580 Sports Arena Blvd	Reported:
San Diego, CA 92123	Project Manager: Chuck Houser	30-Mar-23 08:48

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-23-073 (E303046-10) Vapor Sampled: 23-Mar-23 Received: 23-Mar-23									
1,1-Difluoroethane (LCC)	ND	0.10	ug/l	0.01	EC32302	23-Mar-23	23-Mar-23	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.10	"	"	"	"	"	"	
Chloromethane	ND	0.10	"	"	"	"	"	"	
Vinyl chloride	ND	0.010	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.10	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.10	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.10	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.10	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Chloroform	ND	0.020	"	"	"	"	"	"	
Bromochloromethane	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.020	"	"	"	"	"	"	
Benzene	ND	0.020	"	"	"	"	"	"	
Trichloroethene	ND	0.020	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
Dibromomethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.20	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.10	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Tetrachloroethene	ND	0.020	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
m,p-Xylene	ND	0.10	"	"	"	"	"	"	

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SCS Engineers - San Diego	Project: SCS032323-L1	
8799 Balboa Avenue, Suite 290	Project Number: 3580 Sports Arena Blvd	Reported:
San Diego, CA 92123	Project Manager: Chuck Houser	30-Mar-23 08:48

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-23-073 (E303046-10) Vapor Sampled: 23-Mar-23 Received: 23-Mar-23									
o-Xylene	ND	0.10	ug/l	0.01	EC32302	23-Mar-23	23-Mar-23	H&P 8260SV	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.10	"	"	"	"	"	"	
n-Propylbenzene	ND	0.10	"	"	"	"	"	"	
Bromobenzene	ND	0.10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.10	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.10	"	"	"	"	"	"	
Naphthalene	ND	0.020	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*81.3 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*108 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*101 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*93.3 %*		*75-125*	"	"	"	"	

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SCS Engineers - San Diego	Project: SCS032323-L1	
8799 Balboa Avenue, Suite 290	Project Number: 3580 Sports Arena Blvd	Reported:
San Diego, CA 92123	Project Manager: Chuck Houser	30-Mar-23 08:48

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-23-074 (E303046-11) Vapor Sampled: 23-Mar-23 Received: 23-Mar-23									
1,1-Difluoroethane (LCC)	ND	0.10	ug/l	0.01	EC32302	23-Mar-23	23-Mar-23	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.10	"	"	"	"	"	"	
Chloromethane	ND	0.10	"	"	"	"	"	"	
Vinyl chloride	ND	0.010	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.10	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.10	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.10	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.10	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Chloroform	ND	0.020	"	"	"	"	"	"	
Bromochloromethane	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.020	"	"	"	"	"	"	
Benzene	ND	0.020	"	"	"	"	"	"	
Trichloroethene	ND	0.020	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
Dibromomethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.20	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.10	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Tetrachloroethene	ND	0.020	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
m,p-Xylene	ND	0.10	"	"	"	"	"	"	

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SCS Engineers - San Diego	Project: SCS032323-L1	
8799 Balboa Avenue, Suite 290	Project Number: 3580 Sports Arena Blvd	Reported:
San Diego, CA 92123	Project Manager: Chuck Houser	30-Mar-23 08:48

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-23-074 (E303046-11) Vapor Sampled: 23-Mar-23 Received: 23-Mar-23									
o-Xylene	ND	0.10	ug/l	0.01	EC32302	23-Mar-23	23-Mar-23	H&P 8260SV	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.10	"	"	"	"	"	"	
n-Propylbenzene	ND	0.10	"	"	"	"	"	"	
Bromobenzene	ND	0.10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.10	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.10	"	"	"	"	"	"	
Naphthalene	ND	0.020	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*77.4 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*113 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*103 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*96.2 %*		*75-125*	"	"	"	"	

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SCS Engineers - San Diego	Project: SCS032323-L1	
8799 Balboa Avenue, Suite 290	Project Number: 3580 Sports Arena Blvd	Reported:
San Diego, CA 92123	Project Manager: Chuck Houser	30-Mar-23 08:48

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-23-075 (E303046-12) Vapor Sampled: 23-Mar-23 Received: 23-Mar-23									
1,1-Difluoroethane (LCC)	ND	0.10	ug/l	0.01	EC32302	23-Mar-23	23-Mar-23	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.10	"	"	"	"	"	"	
Chloromethane	ND	0.10	"	"	"	"	"	"	
Vinyl chloride	ND	0.010	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.10	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.10	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.10	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.10	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Chloroform	ND	0.020	"	"	"	"	"	"	
Bromochloromethane	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.020	"	"	"	"	"	"	
Benzene	ND	0.020	"	"	"	"	"	"	
Trichloroethene	ND	0.020	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
Dibromomethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.20	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.10	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Tetrachloroethene	**0.041**	0.020	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
m,p-Xylene	ND	0.10	"	"	"	"	"	"	

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SCS Engineers - San Diego	Project: SCS032323-L1	
8799 Balboa Avenue, Suite 290	Project Number: 3580 Sports Arena Blvd	Reported:
San Diego, CA 92123	Project Manager: Chuck Houser	30-Mar-23 08:48

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-23-075 (E303046-12) Vapor Sampled: 23-Mar-23 Received: 23-Mar-23									
o-Xylene	ND	0.10	ug/l	0.01	EC32302	23-Mar-23	23-Mar-23	H&P 8260SV	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.10	"	"	"	"	"	"	
n-Propylbenzene	ND	0.10	"	"	"	"	"	"	
Bromobenzene	ND	0.10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.10	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.10	"	"	"	"	"	"	
Naphthalene	ND	0.020	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*89.9 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*113 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*103 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*100 %*		*75-125*	"	"	"	"	

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SCS Engineers - San Diego	Project: SCS032323-L1	
8799 Balboa Avenue, Suite 290	Project Number: 3580 Sports Arena Blvd	Reported:
San Diego, CA 92123	Project Manager: Chuck Houser	30-Mar-23 08:48

Volatile Organic Compounds by H&P 8260SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EC32302 - EPA 5030										
Blank (EC32302-BLK1)				Prepared & Analyzed: 23-Mar-23						
1,1-Difluoroethane (LCC)	ND	0.10	ug/l							
Dichlorodifluoromethane (F12)	ND	0.10	"							
Chloromethane	ND	0.10	"							
Vinyl chloride	ND	0.010	"							
Bromomethane	ND	0.10	"							
Chloroethane	ND	0.10	"							
Trichlorofluoromethane (F11)	ND	0.10	"							
1,1-Dichloroethene	ND	0.10	"							
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.10	"							
Methylene chloride (Dichloromethane)	ND	0.10	"							
Methyl tertiary-butyl ether (MTBE)	ND	0.10	"							
trans-1,2-Dichloroethene	ND	0.10	"							
1,1-Dichloroethane	ND	0.10	"							
2,2-Dichloropropane	ND	0.10	"							
cis-1,2-Dichloroethene	ND	0.10	"							
Chloroform	ND	0.020	"							
Bromochloromethane	ND	0.10	"							
1,1,1-Trichloroethane	ND	0.10	"							
1,1-Dichloropropene	ND	0.10	"							
Carbon tetrachloride	ND	0.020	"							
1,2-Dichloroethane (EDC)	ND	0.020	"							
Benzene	ND	0.020	"							
Trichloroethene	ND	0.020	"							
1,2-Dichloropropane	ND	0.10	"							
Bromodichloromethane	ND	0.10	"							
Dibromomethane	ND	0.10	"							
cis-1,3-Dichloropropene	ND	0.10	"							
Toluene	ND	0.20	"							
trans-1,3-Dichloropropene	ND	0.10	"							
1,1,2-Trichloroethane	ND	0.10	"							
1,2-Dibromoethane (EDB)	ND	0.10	"							
1,3-Dichloropropane	ND	0.10	"							
Tetrachloroethene	ND	0.020	"							
Dibromochloromethane	ND	0.10	"							

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SCS Engineers - San Diego	Project: SCS032323-L1	
8799 Balboa Avenue, Suite 290	Project Number: 3580 Sports Arena Blvd	Reported:
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Volatile Organic Compounds by H&P 8260SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EC32302 - EPA 5030										
Blank (EC32302-BLK1)				Prepared & Analyzed: 23-Mar-23						
Chlorobenzene	ND	0.020	ug/l							
Ethylbenzene	ND	0.10	"							
1,1,1,2-Tetrachloroethane	ND	0.10	"							
m,p-Xylene	ND	0.10	"							
o-Xylene	ND	0.10	"							
Styrene	ND	0.10	"							
Bromoform	ND	0.10	"							
Isopropylbenzene (Cumene)	ND	0.10	"							
1,1,2,2-Tetrachloroethane	ND	0.10	"							
1,2,3-Trichloropropane	ND	0.10	"							
n-Propylbenzene	ND	0.10	"							
Bromobenzene	ND	0.10	"							
1,3,5-Trimethylbenzene	ND	0.10	"							
2-Chlorotoluene	ND	0.10	"							
4-Chlorotoluene	ND	0.10	"							
tert-Butylbenzene	ND	0.10	"							
1,2,4-Trimethylbenzene	ND	0.10	"							
sec-Butylbenzene	ND	0.10	"							
p-Isopropyltoluene	ND	0.10	"							
1,3-Dichlorobenzene	ND	0.10	"							
1,4-Dichlorobenzene	ND	0.10	"							
n-Butylbenzene	ND	0.10	"							
1,2-Dichlorobenzene	ND	0.10	"							
1,2-Dibromo-3-chloropropane	ND	1.0	"							
1,2,4-Trichlorobenzene	ND	0.10	"							
Hexachlorobutadiene	ND	0.10	"							
Naphthalene	ND	0.020	"							
1,2,3-Trichlorobenzene	ND	0.10	"							
Surrogate: Dibromofluoromethane	*0.518*		"	*0.500*		*104*	*75-125*			
Surrogate: 1,2-Dichloroethane-d4	*0.549*		"	*0.500*		*110*	*75-125*			
Surrogate: Toluene-d8	*0.529*		"	*0.500*		*106*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.470*		"	*0.500*		*94.1*	*75-125*			

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

SCS Engineers - San Diego	Project: SCS032323-L1	
8799 Balboa Avenue, Suite 290	Project Number: 3580 Sports Arena Blvd	Reported:
San Diego, CA 92123	Project Manager: Chuck Houser	30-Mar-23 08:48

Volatile Organic Compounds by H&P 8260SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EC32302 - EPA 5030										
LCS (EC32302-BS1)				Prepared & Analyzed: 23-Mar-23						
Dichlorodifluoromethane (F12)	5.3	0.50	ug/l	5.00		106	70-130			
Vinyl chloride	5.7	0.050	"	5.00		114	70-130			
Chloroethane	6.0	0.50	"	5.00		120	70-130			
Trichlorofluoromethane (F11)	5.9	0.50	"	5.00		119	70-130			
1,1-Dichloroethene	4.8	0.50	"	5.00		95.5	70-130			
1,1,2 Trichlorotrifluoroethane (F113)	5.3	0.50	"	5.00		106	70-130			
Methylene chloride (Dichloromethane)	4.5	0.50	"	5.00		89.9	70-130			
trans-1,2-Dichloroethene	4.6	0.50	"	5.00		92.4	70-130			
1,1-Dichloroethane	4.9	0.50	"	5.00		98.6	70-130			
cis-1,2-Dichloroethene	4.6	0.50	"	5.00		92.7	70-130			
Chloroform	4.7	0.10	"	5.00		94.7	70-130			
1,1,1-Trichloroethane	4.6	0.50	"	5.00		92.4	70-130			
Carbon tetrachloride	4.2	0.10	"	5.00		84.0	70-130			
1,2-Dichloroethane (EDC)	4.9	0.10	"	5.00		98.3	70-130			
Benzene	4.6	0.10	"	5.00		92.0	70-130			
Trichloroethene	4.6	0.10	"	5.00		92.9	70-130			
Toluene	4.4	1.0	"	5.00		88.7	70-130			
1,1,2-Trichloroethane	4.4	0.50	"	5.00		88.6	70-130			
Tetrachloroethene	4.6	0.10	"	5.00		91.5	70-130			
Ethylbenzene	4.7	0.50	"	5.00		94.9	70-130			
1,1,1,2-Tetrachloroethane	5.8	0.50	"	5.00		116	70-130			
m,p-Xylene	9.5	0.50	"	10.0		94.8	70-130			
o-Xylene	4.7	0.50	"	5.00		93.2	70-130			
1,1,2,2-Tetrachloroethane	4.5	0.50	"	5.00		89.2	70-130			
Surrogate: Dibromofluoromethane	*2.56*		*"*	*2.50*		*102*	*75-125*			
Surrogate: 1,2-Dichloroethane-d4	*2.65*		*"*	*2.50*		*106*	*75-125*			
Surrogate: Toluene-d8	*2.55*		*"*	*2.50*		*102*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*2.38*		*"*	*2.50*		*95.4*	*75-125*			

H&P Mobile
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SCS Engineers - San Diego	Project: SCS032323-L1	
8799 Balboa Avenue, Suite 290	Project Number: 3580 Sports Arena Blvd	Reported:
San Diego, CA 92123	Project Manager: Chuck Houser	30-Mar-23 08:48

Notes and Definitions

LCC	Leak Check Compound
ND	Analyte NOT DETECTED at or above the reporting limit
MDL	Method Detection Limit
%REC	Percent Recovery
RPD	Relative Percent Difference

All soil results are reported in wet weight.

Appendix

H&P Mobile Geochemistry, Inc. is approved as an Environmental Testing Laboratory and Mobile Laboratory in accordance with the DoD-ELAP Program and ISO/IEC 17025:2005 programs through PJLA, accreditation number 69070 for EPA Method TO-15, EPA Method 8260B and H&P 8260SV.

H&P is approved by the State of California as an Environmental Laboratory and Mobile Laboratory in conformance with the Environmental Laboratory Accreditation Program (ELAP) for the category of Volatile and Semi-Volatile Organic Chemistry of Hazardous Waste, certification numbers 2740, 2741, 2743 & 2745.

H&P is approved by the State of Louisiana Department of Environmental Quality under the National Environmental Laboratory Accreditation Conference (NELAC) certification number 04138

The complete list of stationary and mobile laboratory certifications along with the fields of testing (FOTs) and analyte lists are available at www.handpmg.com/about/certifications.

H&P Mobile Geochemistry, Inc.
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& Field Office - Signal Hill, CA
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VAPOR / AIR Chain of Custody

DATE: 3/23/23
Page 1 of 2

Lab Client and Project Information

Lab Client/Consultant: SCS ENGINEERS	Project Name / #: 01213320.07
Lab Client Project Manager: CHuck Houser	Project Location: 3580 Sports Arena Blvd
Lab Client Address: 8799 Balboa Ave #290	Report E-Mail(s): CHauser@scsengineers.com
Lab Client City, State, Zip: San Diego, CA 92126	
Phone Number: 858-805-5523	

Sample Receipt (Lab Use Only)

Date Rec'd: 3/23/23 Control #: 230151.01
H&P Project # SCS032323-L1
Lab Work Order # E303046
Sample Intact: ☐ Yes ☐ No ☐ See Notes Below
Receipt Gauge ID: Temp:
Outside Lab:
Receipt Notes/Tracking #:
Lab PM Initials:

Reporting Requirements

☑ Standard Report ☐ Level III ☐ Level IV
☐ Excel EDD ☐ Other EDD:
☐ CA Geotracker Global ID:

Turnaround Time

☑ **Standard** (7 days for preliminary report, 10 days for final report)
☐ **Rush** (specify):

Sampler Information

Sampler(s): Loc NGO
Signature:
Date: 3/23/23

Additional Instructions to Laboratory:

* *Preferred VOC units (please choose one):*
☑ µg/L ☐ µg/m³ ☐ ppbv ☐ ppmv

SAMPLE NAME	FIELD POINT NAME (if applicable)	DATE mm/dd/yy	TIME 24hr clock	SAMPLE TYPE Indoor Air (IA), Ambient Air (AA), Subslab (SS), Soil Vapor (SV)	CONTAINER SIZE & TYPE 400mL/1L/6L Summa, Tedlar, Tube, etc.	CONTAINER ID (###)	Lab use only: Receipt Vac	VOCs Standard Full List ☑ 8260SV ☐ TO-15	VOCs Short List / Project List ☐ 8260SV ☐ TO-15	Oxygenates ☐ 8260SV ☐ TO-15	Naphthalene ☐ 8260SV ☐ TO-15	TPHv as Gas ☐ 8260SVm ☐ TO-15m	Aromatic/Aliphatic Fractions ☐ 8260SVm ☐ TO-15m	Leak Check Compound ☑ DFA ☐ IPA ☐ He	Methane by EPA 8015m	Fixed Gases by ASTM D1945 ☐ CO2 ☐ O2 ☐ N2
SV-23-063		3/23/23	1000	SV	G-S	371/372		✓						✓		
SV-23-063 rep			1028			371/372		✓						✓		
SV-23-062			1050			373/372		✓						✓		
SV-23-070			1130			375/372		✓						✓		
SV-23-069			1152			375/342		✓						✓		
SV-23-072			1224			379/372		✓						✓		
SV-23-071			1258			367/371		✓						✓		
SV-23-064			1330			375/342		✓						✓		
SV-23-076			1400			367/371		✓						✓		
SV-23-073			1440			375/372		✓						✓		

Approved/Relinquished by:	Company: SCS	Date: 3/23/23	Time: 1600	Received by: Loc NGO	Company: H&P	Date: 3/23/23	Time: 1605
Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:
Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:

*Approval constitutes as authorization to proceed with analysis and acceptance of conditions on back

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VAPOR / AIR Chain of Custody

DATE: 3/23/23
Page 2 of 2

Lab Client and Project Information

Lab Client/Consultant: SCS ENGINEERS	Project Name / #: 01233 20.07
Lab Client Project Manager: CHUCK HOUSER	Project Location: 3580 SPORTS ARENA BLVD
Lab Client Address: 8799 BALBOA AVE #290	Report E-Mail(s):
Lab Client City, State, Zip: SAN DIEGO, CA 92126	CHouser@scsengineers.com
Phone Number: 858-805-5522	

Reporting Requirements
- [x] Standard Report ☐ Level III ☐ Level IV
- ☐ Excel EDD ☐ Other EDD: _____
- ☐ CA Geotracker Global ID: _____

Turnaround Time
- [x] **Standard** (7 days for preliminary report, 10 days for final report)
- ☐ **Rush** (specify): _____

Sampler Information
Sampler(s): LIC NGO
Signature:
Date: 3/23/23

Sample Receipt (Lab Use Only)

Date Rec'd: 3/23/23	Control #: 23015 1.01
H&P Project #: SCS032323-L1	
Lab Work Order #: E303046	
Sample Intact: ☐ Yes ☐ No ☐ See Notes Below	
Receipt Gauge ID:	Temp:
Outside Lab:	
Receipt Notes/Tracking #:	
Lab PM Initials:	

Additional Instructions to Laboratory:

** Preferred VOC units (please choose one):*
- [x] µg/L ☐ µg/m³ ☐ ppbv ☐ ppmv

SAMPLE NAME	FIELD POINT NAME (if applicable)	DATE mm/dd/yy	TIME 24hr clock	SAMPLE TYPE Indoor Air (IA), Ambient Air (AA), Subslab (SS), Soil Vapor (SV)	CONTAINER SIZE & TYPE 400mL/1L/6L Summa, Tedlar, Tube, etc.	CONTAINER ID (###)	Lab use only: Receipt Vac	VOCs Standard Full List ☑ 8260SV ☐ TO-15	VOCs Short List / Project List ☐ 8260SV ☐ TO-15	Oxygenates ☐ 8260SV ☐ TO-15	Naphthalene ☐ 8260SV ☐ TO-15	TPHv as Gas ☐ 8260SVm ☐ TO-15m	Aromatic/Aliphatic Fractions ☐ 8260SVm ☐ TO-15m	Leak Check Compound ☑ DFA ☐ IPA ☐ He	Methane by EPA 8015m	Fixed Gases by ASTM D1945 ☐ CO2 ☐ O2 ☐ N2			
SV-23-04		3/23/23	1500	S.V	G-S	355 371		✓						✓					
SV-23-05		3/23/23	1534	S.V	G-S	377 372		✓						–					

Approved/Relinquished by:	Company: SCS	Date: 3/23/23	Time: 1600	Received by: LOC NGO	Company: H&P	Date: 3/23/23	Time: 1602
Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:
Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:

**Approval constitutes as authorization to proceed with analysis and acceptance of conditions on back*

H&P Mobile Geochemistry Inc.

FMS004
Revision: 4
Revised: 3/22/2017
Effective: 3/24/2017
Page 1 of 1

Log Sheet: Soil Vapor Sampling with Syringe

H&P Project #: SCS D32323-L1 Date: 3/23/23
Site Address: 3580 Sports Arena Blvd Page: 1 of 1
Consultant: SCS ENGINEERS H&P Rep(s): Loc NGO
Consultant Rep(s): CHUCK

Reviewed: EC
Scanned: JB

Equipment Info
Inline Gauge ID#: TU6
Pump ID#:

Purge Volume Information
PV Amount: 3 PV
PV Includes: ☑ Tubing ☑ Sand 40% ☑ Dry Bent 50%

Leak Check Compound ☑ 1,1-DFA
A cloth saturated with LCC is placed around tubing connections and probe seal. This is done for all samples unless otherwise noted.
☐ 1,1,1,2-TFA ☐ IPA ☐ Other:

Resample Key
RS = Resample
RD = for Dilution
RL = for LCC Fail

	Sample Information				Probe Specs							Purge & Collection Information						
	Point ID	Syringe ID	Sample Volume (cc)	Sample Time	Probe Depth (ft)	Tubing Length (ft)	Tubing OD (in.)	Sand Ht (in.)	Sand Dia (in.)	Dry Bent. Ht (in.)	Dry Bent. Dia (in.)	Shut In Test 60 sec (✓)	Leak Check (✓)	Purge Vol (mL)	Purge Flow Rate (mL/min)	Pump Time (min:sec)	Sample Flow Rate (mL/min)	ProbeVac ☑ Hg ☐ H_2O
1	SV-23-063	371/372	100	10⁰⁰	5	7	1/8	12	.75	6	.75	✓	✓	189	—	—	200	✓
2	SV-23-063 rep	371/372	100	1025	5	7	1/8	12	.75	6	.75	✓	✓	234	—	—	200	✓
3	SV-23-062	374/374	100	10.50	5	7	1/8	12	.75	6	.75	✓	✓	189	—	—	200	✓
4	SV-23-070	374/372	100	1130	5	7	1/8	12	.75	6	.75	✓	✓	189	—	—	200	✓
5	SV-23-069	375/342	100	1152	5	7	1/8	12	.75	6	.75	✓	✓	189	—	—	200	✓
6	SV-23-072	374/372	100	1224	5	7	1/8	12	.75	6	.75	✓	✓	189	—	—	200	✓
7	SV-23-071	367/371	100	1258	5	7	1/8	12	.75	6	.75	✓	✓	189	—	—	200	✓
8	SV-23-064	375/342	100	1330	5	7	1/8	12	.75	6	.75	✓	✓	189	—	—	200	✓
9	SV-23-076	367/374	100	1400	5	7	1/8	12	.75	6	.75	✓	✓	189	—	—	200	✓
10	SV-23-073	375/372	100	1440	5	7	1/8	12	.75	6	.75	✓	✓	189	—	—	200	✓
11	SV-23-074	379/371	100	1500	5	7	1/8	12	.75	6	.75	✓	✓	189	—	—	200	✓
12	SV-23-075	378/374	100	1534	5	7	1/8	12	.75	6	.75	✓	✓	189	—	—	200	✓

Site Notes such as weather, visitors, scope deviations, health & safety issues, etc. (When making sample specific notes, reference the line number above):

APPENDIX C

ProUCL Worksheets

UCL Statistics for Data Sets with Non-Detects

User Selected Options	
Date/Time of Computation	ProUCL 5.14/27/2023 4:42:11 PM
From File	WorkSheet.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

Arsenic

General Statistics

Total Number of Observations	32	Number of Distinct Observations	29
Number of Detects	28	Number of Non-Detects	4
Number of Distinct Detects	26	Number of Distinct Non-Detects	3
Minimum Detect	1.5	Minimum Non-Detect	0.97
Maximum Detect	24	Maximum Non-Detect	9.6
Variance Detects	18.23	Percent Non-Detects	12.5%
Mean Detects	6.025	SD Detects	4.27
Median Detects	5.45	CV Detects	0.709
Skewness Detects	2.888	Kurtosis Detects	11.5
Mean of Logged Detects	1.619	SD of Logged Detects	0.596

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.736	Shapiro Wilk GOF Test
5% Shapiro Wilk Critical Value	0.924	Detected Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.198	Lilliefors GOF Test
5% Lilliefors Critical Value	0.164	Detected Data Not Normal at 5% Significance Level

Detected Data Not Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

KM Mean	5.752	KM Standard Error of Mean	0.745
KM SD	4.082	95% KM (BCA) UCL	7.002
95% KM (t) UCL	7.015	95% KM (Percentile Bootstrap) UCL	7.09
95% KM (z) UCL	6.977	95% KM Bootstrap t UCL	7.634
90% KM Chebyshev UCL	7.986	95% KM Chebyshev UCL	8.999
97.5% KM Chebyshev UCL	10.4	99% KM Chebyshev UCL	13.16

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	0.395	Anderson-Darling GOF Test
5% A-D Critical Value	0.754	Detected data appear Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.119	Kolmogorov-Smirnov GOF
5% K-S Critical Value	0.167	Detected data appear Gamma Distributed at 5% Significance Level

Detected data appear Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	2.985	k star (bias corrected MLE)	2.689
Theta hat (MLE)	2.018	Theta star (bias corrected MLE)	2.241
nu hat (MLE)	167.2	nu star (bias corrected)	150.6
Mean (detects)	6.025		

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

54	GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)										
55	For such situations, GROS method may yield incorrect values of UCLs and BTVs										
56	This is especially true when the sample size is small.										
57	For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates										
58				Minimum	0.01			Mean	5.708		
59				Maximum	24			Median	5.15		
60				SD	4.154			CV	0.728		
61				k hat (MLE)	1.672			k star (bias corrected MLE)	1.536		
62				Theta hat (MLE)	3.415			Theta star (bias corrected MLE)	3.717		
63				nu hat (MLE)	107			nu star (bias corrected)	98.29		
64				Adjusted Level of Significance (β)	0.0416						
65				Approximate Chi Square Value (98.29, α)	76.42			Adjusted Chi Square Value (98.29, β)	75.39		
66			95% Gamma Approximate UCL (use when n>=50)		7.342			95% Gamma Adjusted UCL (use when n<50)	7.442		
67											
68				Estimates of Gamma Parameters using KM Estimates							
69				Mean (KM)	5.752			SD (KM)	4.082		
70				Variance (KM)	16.66			SE of Mean (KM)	0.745		
71				k hat (KM)	1.986			k star (KM)	1.82		
72				nu hat (KM)	127.1			nu star (KM)	116.5		
73				theta hat (KM)	2.897			theta star (KM)	3.16		
74				80% gamma percentile (KM)	8.707			90% gamma percentile (KM)	11.44		
75				95% gamma percentile (KM)	14.06			99% gamma percentile (KM)	19.91		
76											
77				Gamma Kaplan-Meier (KM) Statistics							
78				Approximate Chi Square Value (116.50, α)	92.58			Adjusted Chi Square Value (116.50, β)	91.44		
79			95% Gamma Approximate KM-UCL (use when n>=50)		7.238			95% Gamma Adjusted KM-UCL (use when n<50)	7.328		
80											
81				Lognormal GOF Test on Detected Observations Only							
82				Shapiro Wilk Test Statistic	0.971			Shapiro Wilk GOF Test			
83				5% Shapiro Wilk Critical Value	0.924			Detected Data appear Lognormal at 5% Significance Level			
84				Lilliefors Test Statistic	0.101			Lilliefors GOF Test			
85				5% Lilliefors Critical Value	0.164			Detected Data appear Lognormal at 5% Significance Level			
86	Detected Data appear Lognormal at 5% Significance Level										
87											
88				Lognormal ROS Statistics Using Imputed Non-Detects							
89				Mean in Original Scale	5.729			Mean in Log Scale	1.561		
90				SD in Original Scale	4.105			SD in Log Scale	0.615		
91			95% t UCL (assumes normality of ROS data)		6.959			95% Percentile Bootstrap UCL	6.988		
92				95% BCA Bootstrap UCL	7.562			95% Bootstrap t UCL	7.591		
93				95% H-UCL (Log ROS)	7.203						
94											
95				Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution							
96				KM Mean (logged)	1.551			KM Geo Mean	4.715		
97				KM SD (logged)	0.642			95% Critical H Value (KM-Log)	2.052		
98				KM Standard Error of Mean (logged)	0.12			95% H-UCL (KM -Log)	7.343		
99				KM SD (logged)	0.642			95% Critical H Value (KM-Log)	2.052		
100				KM Standard Error of Mean (logged)	0.12						
101											
102				DL/2 Statistics							
103			DL/2 Normal					DL/2 Log-Transformed			
104				Mean in Original Scale	5.735			Mean in Log Scale	1.541		
105				SD in Original Scale	4.115			SD in Log Scale	0.693		
106				95% t UCL (Assumes normality)	6.969			95% H-Stat UCL	7.714		

	A	B	C	D	E	F	G	H	I	J	K	L
107	DL/2 is not a recommended method, provided for comparisons and historical reasons											
108												
109	Nonparametric Distribution Free UCL Statistics											
110	Detected Data appear Gamma Distributed at 5% Significance Level											
111												
112	Suggested UCL to Use											
113	95% KM Adjusted Gamma UCL					7.328			95% GROS Adjusted Gamma UCL			7.442
114												
115	Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.											
116	Recommendations are based upon data size, data distribution, and skewness.											
117	These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).											
118	However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.											
119												

UCL Statistics for Data Sets with Non-Detects

User Selected Options	
Date/Time of Computation	ProUCL 5.14/27/2023 3:44:57 PM
From File	WorkSheet.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

Barium

General Statistics

Total Number of Observations	23	Number of Distinct Observations	20
		Number of Missing Observations	0
Minimum	26	Mean	120.6
Maximum	580	Median	79
SD	124.3	Std. Error of Mean	25.91
Coefficient of Variation	1.03	Skewness	2.721

Normal GOF Test

Shapiro Wilk Test Statistic	0.675	Shapiro Wilk GOF Test
5% Shapiro Wilk Critical Value	0.914	Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.252	Lilliefors GOF Test
5% Lilliefors Critical Value	0.18	Data Not Normal at 5% Significance Level

Data Not Normal at 5% Significance Level

Assuming Normal Distribution

95% Normal UCL		95% UCLs (Adjusted for Skewness)	
95% Student's-t UCL	165.1	95% Adjusted-CLT UCL (Chen-1995)	178.9
		95% Modified-t UCL (Johnson-1978)	167.6

Gamma GOF Test

A-D Test Statistic	0.803	Anderson-Darling Gamma GOF Test
5% A-D Critical Value	0.758	Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.147	Kolmogorov-Smirnov Gamma GOF Test
5% K-S Critical Value	0.185	Detected data appear Gamma Distributed at 5% Significance Level

Detected data follow Appr. Gamma Distribution at 5% Significance Level

Gamma Statistics

k hat (MLE)	1.693	k star (bias corrected MLE)	1.501
Theta hat (MLE)	71.25	Theta star (bias corrected MLE)	80.36
nu hat (MLE)	77.86	nu star (bias corrected)	69.04
MLE Mean (bias corrected)	120.6	MLE Sd (bias corrected)	98.45
		Approximate Chi Square Value (0.05)	50.91
Adjusted Level of Significance	0.0389	Adjusted Chi Square Value	49.79

Assuming Gamma Distribution

95% Approximate Gamma UCL (use when n>=50)	163.5	95% Adjusted Gamma UCL (use when n<50)	167.3

Lognormal GOF Test

Shapiro Wilk Test Statistic	0.962	Shapiro Wilk Lognormal GOF Test
5% Shapiro Wilk Critical Value	0.914	Data appear Lognormal at 5% Significance Level

54				Lilliefors Test Statistic	0.0983		Lilliefors Lognormal GOF Test					
55				5% Lilliefors Critical Value	0.18		Data appear Lognormal at 5% Significance Level					
56				Data appear Lognormal at 5% Significance Level								
57												
58					Lognormal Statistics							
59				Minimum of Logged Data	3.258				Mean of logged Data	4.469		
60				Maximum of Logged Data	6.363				SD of logged Data	0.769		
61												
62					Assuming Lognormal Distribution							
63				95% H-UCL	169.3				90% Chebyshev (MVUE) UCL	175.6		
64				95% Chebyshev (MVUE) UCL	202.8				97.5% Chebyshev (MVUE) UCL	240.7		
65				99% Chebyshev (MVUE) UCL	315							
66												
67					Nonparametric Distribution Free UCL Statistics							
68				Data appear to follow a Discernible Distribution at 5% Significance Level								
69												
70					Nonparametric Distribution Free UCLs							
71				95% CLT UCL	163.2				95% Jackknife UCL	165.1		
72				95% Standard Bootstrap UCL	161				95% Bootstrap-t UCL	208.6		
73				95% Hall's Bootstrap UCL	358.6				95% Percentile Bootstrap UCL	167.2		
74				95% BCA Bootstrap UCL	189							
75				90% Chebyshev(Mean, Sd) UCL	198.3				95% Chebyshev(Mean, Sd) UCL	233.6		
76				97.5% Chebyshev(Mean, Sd) UCL	282.4				99% Chebyshev(Mean, Sd) UCL	378.4		
77												
78					Suggested UCL to Use							
79				95% Adjusted Gamma UCL	167.3							
80												
81				When a data set follows an approximate (e.g., normal) distribution passing one of the GOF test								
82				When applicable, it is suggested to use a UCL based upon a distribution (e.g., gamma) passing both GOF tests in ProUCL								
83												
84				Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.								
85				Recommendations are based upon data size, data distribution, and skewness.								
86				These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).								
87				However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.								
88												

1				UCL Statistics for Data Sets with Non-Detects							
2											
3			User Selected Options								
4			Date/Time of Computation	ProUCL 5.14/27/2023 4:01:44 PM							
5			From File	WorkSheet.xls							
6			Full Precision	OFF							
7			Confidence Coefficient	95%							
8			Number of Bootstrap Operations	2000							
9											
10											
11	Copper										
12											
13					General Statistics						
14				Total Number of Observations	23			Number of Distinct Observations	21		
15								Number of Missing Observations	0		
16				Minimum	4.3			Mean	14.81		
17				Maximum	130			Median	8.6		
18				SD	25.36			Std. Error of Mean	5.289		
19				Coefficient of Variation	1.712			Skewness	4.642		
20											
21					Normal GOF Test						
22				Shapiro Wilk Test Statistic	0.332			Shapiro Wilk GOF Test			
23				5% Shapiro Wilk Critical Value	0.914			Data Not Normal at 5% Significance Level			
24				Lilliefors Test Statistic	0.41			Lilliefors GOF Test			
25				5% Lilliefors Critical Value	0.18			Data Not Normal at 5% Significance Level			
26					Data Not Normal at 5% Significance Level						
27											
28					Assuming Normal Distribution						
29				95% Normal UCL				95% UCLs (Adjusted for Skewness)			
30				95% Student's-t UCL	23.89			95% Adjusted-CLT UCL (Chen-1995)	28.98		
31								95% Modified-t UCL (Johnson-1978)	24.75		
32											
33					Gamma GOF Test						
34				A-D Test Statistic	3.319			Anderson-Darling Gamma GOF Test			
35				5% A-D Critical Value	0.761			Data Not Gamma Distributed at 5% Significance Level			
36				K-S Test Statistic	0.297			Kolmogorov-Smirnov Gamma GOF Test			
37				5% K-S Critical Value	0.185			Data Not Gamma Distributed at 5% Significance Level			
38					Data Not Gamma Distributed at 5% Significance Level						
39											
40					Gamma Statistics						
41				k hat (MLE)	1.445			k star (bias corrected MLE)	1.286		
42				Theta hat (MLE)	10.25			Theta star (bias corrected MLE)	11.52		
43				nu hat (MLE)	66.49			nu star (bias corrected)	59.15		
44				MLE Mean (bias corrected)	14.81			MLE Sd (bias corrected)	13.06		
45								Approximate Chi Square Value (0.05)	42.46		
46				Adjusted Level of Significance	0.0389			Adjusted Chi Square Value	41.44		
47											
48					Assuming Gamma Distribution						
49				95% Approximate Gamma UCL (use when n>=50))	20.63			95% Adjusted Gamma UCL (use when n<50)	21.14		
50											
51					Lognormal GOF Test						
52				Shapiro Wilk Test Statistic	0.739			Shapiro Wilk Lognormal GOF Test			
53				5% Shapiro Wilk Critical Value	0.914			Data Not Lognormal at 5% Significance Level			

	A	B	C	D	E	F	G	H	I	J	K	L
54				Lilliefors Test Statistic		0.187		Lilliefors Lognormal GOF Test				
55				5% Lilliefors Critical Value		0.18		Data Not Lognormal at 5% Significance Level				
56				Data Not Lognormal at 5% Significance Level								
57												
58						Lognormal Statistics						
59				Minimum of Logged Data		1.459				Mean of logged Data		2.311
60				Maximum of Logged Data		4.868				SD of logged Data		0.661
61												
62						Assuming Lognormal Distribution						
63				95% H-UCL		16.93				90% Chebyshev (MVUE) UCL		17.87
64				95% Chebyshev (MVUE) UCL		20.35				97.5% Chebyshev (MVUE) UCL		23.78
65				99% Chebyshev (MVUE) UCL		30.53						
66												
67						Nonparametric Distribution Free UCL Statistics						
68						Data do not follow a Discernible Distribution (0.05)						
69												
70						Nonparametric Distribution Free UCLs						
71				95% CLT UCL		23.51				95% Jackknife UCL		23.89
72				95% Standard Bootstrap UCL		23.36				95% Bootstrap-t UCL		71.02
73				95% Hall's Bootstrap UCL		60.83				95% Percentile Bootstrap UCL		24.85
74				95% BCA Bootstrap UCL		35.43						
75				90% Chebyshev(Mean, Sd) UCL		30.68				95% Chebyshev(Mean, Sd) UCL		37.87
76				97.5% Chebyshev(Mean, Sd) UCL		47.84				99% Chebyshev(Mean, Sd) UCL		67.44
77												
78						Suggested UCL to Use						
79				95% Chebyshev (Mean, Sd) UCL		37.87						
80												
81						Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.						
82						Recommendations are based upon data size, data distribution, and skewness.						
83						These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).						
84						However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.						
85												
86												
87	Zinc											
88												
89						General Statistics						
90				Total Number of Observations		23				Number of Distinct Observations		18
91										Number of Missing Observations		0
92					Minimum	12				Mean		76.91
93					Maximum	840				Median		39
94					SD	167.2				Std. Error of Mean		34.86
95				Coefficient of Variation		2.174				Skewness		4.72
96												
97						Normal GOF Test						
98				Shapiro Wilk Test Statistic		0.293				Shapiro Wilk GOF Test		
99				5% Shapiro Wilk Critical Value		0.914				Data Not Normal at 5% Significance Level		
100				Lilliefors Test Statistic		0.441				Lilliefors GOF Test		
101				5% Lilliefors Critical Value		0.18				Data Not Normal at 5% Significance Level		
102					Data Not Normal at 5% Significance Level							
103												
104						Assuming Normal Distribution						
105				95% Normal UCL						95% UCLs (Adjusted for Skewness)		
106				95% Student's-t UCL		136.8				95% Adjusted-CLT UCL (Chen-1995)		170.9

107								95% Modified-t UCL (Johnson-1978)				142.5
108												
109					Gamma GOF Test							
110				A-D Test Statistic	4.182			Anderson-Darling Gamma GOF Test				
111				5% A-D Critical Value	0.768			Data Not Gamma Distributed at 5% Significance Level				
112				K-S Test Statistic	0.348			Kolmogorov-Smirnov Gamma GOF Test				
113				5% K-S Critical Value	0.186			Data Not Gamma Distributed at 5% Significance Level				
114					Data Not Gamma Distributed at 5% Significance Level							
115												
116					Gamma Statistics							
117				k hat (MLE)	1.061			k star (bias corrected MLE)	0.951			
118				Theta hat (MLE)	72.51			Theta star (bias corrected MLE)	80.84			
119				nu hat (MLE)	48.79			nu star (bias corrected)	43.76			
120				MLE Mean (bias corrected)	76.91			MLE Sd (bias corrected)	78.85			
121								Approximate Chi Square Value (0.05)	29.59			
122				Adjusted Level of Significance	0.0389			Adjusted Chi Square Value	28.75			
123												
124					Assuming Gamma Distribution							
125			95% Approximate Gamma UCL (use when n>=50))		113.7			95% Adjusted Gamma UCL (use when n<50)	117.1			
126												
127					Lognormal GOF Test							
128				Shapiro Wilk Test Statistic	0.707			Shapiro Wilk Lognormal GOF Test				
129				5% Shapiro Wilk Critical Value	0.914			Data Not Lognormal at 5% Significance Level				
130				Lilliefors Test Statistic	0.247			Lilliefors Lognormal GOF Test				
131				5% Lilliefors Critical Value	0.18			Data Not Lognormal at 5% Significance Level				
132					Data Not Lognormal at 5% Significance Level							
133												
134					Lognormal Statistics							
135				Minimum of Logged Data	2.485			Mean of logged Data	3.802			
136				Maximum of Logged Data	6.733			SD of logged Data	0.751			
137												
138					Assuming Lognormal Distribution							
139				95% H-UCL	84.83			90% Chebyshev (MVUE) UCL	88.27			
140				95% Chebyshev (MVUE) UCL	101.7			97.5% Chebyshev (MVUE) UCL	120.5			
141				99% Chebyshev (MVUE) UCL	157.2							
142												
143					Nonparametric Distribution Free UCL Statistics							
144					Data do not follow a Discernible Distribution (0.05)							
145												
146					Nonparametric Distribution Free UCLs							
147				95% CLT UCL	134.2			95% Jackknife UCL	136.8			
148				95% Standard Bootstrap UCL	132.2			95% Bootstrap-t UCL	627.2			
149				95% Hall's Bootstrap UCL	426.9			95% Percentile Bootstrap UCL	146			
150				95% BCA Bootstrap UCL	210.6							
151				90% Chebyshev(Mean, Sd) UCL	181.5			95% Chebyshev(Mean, Sd) UCL	228.9			
152				97.5% Chebyshev(Mean, Sd) UCL	294.6			99% Chebyshev(Mean, Sd) UCL	423.7			
153												
154					Suggested UCL to Use							
155				95% Chebyshev (Mean, Sd) UCL	228.9							
156												
157					Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.							
158					Recommendations are based upon data size, data distribution, and skewness.							
159					These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).							

	A	B	C	D	E	F	G	H	I	J	K	L
160	However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.											
161												

UCL Statistics for Data Sets with Non-Detects

User Selected Options	
Date/Time of Computation	ProUCL 5.14/27/2023 5:02:28 PM
From File	WorkSheet.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

Lead

General Statistics

Total Number of Observations	89	Number of Distinct Observations	59
Number of Detects	77	Number of Non-Detects	12
Number of Distinct Detects	56	Number of Distinct Non-Detects	4
Minimum Detect	1	Minimum Non-Detect	0.96
Maximum Detect	3500	Maximum Non-Detect	1
Variance Detects	181836	Percent Non-Detects	13.48%
Mean Detects	71.9	SD Detects	426.4
Median Detects	8.1	CV Detects	5.931
Skewness Detects	7.423	Kurtosis Detects	57.69
Mean of Logged Detects	2.088	SD of Logged Detects	1.147

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.169	Normal GOF Test on Detected Observations Only
5% Shapiro Wilk P Value	0	Detected Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.509	Lilliefors GOF Test
5% Lilliefors Critical Value	0.101	Detected Data Not Normal at 5% Significance Level

Detected Data Not Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

KM Mean	62.34	KM Standard Error of Mean	42.12
KM SD	394.8	95% KM (BCA) UCL	141.7
95% KM (t) UCL	132.4	95% KM (Percentile Bootstrap) UCL	140.6
95% KM (z) UCL	131.6	95% KM Bootstrap t UCL	4300
90% KM Chebyshev UCL	188.7	95% KM Chebyshev UCL	245.9
97.5% KM Chebyshev UCL	325.4	99% KM Chebyshev UCL	481.5

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	20.31	Anderson-Darling GOF Test
5% A-D Critical Value	0.862	Detected Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.458	Kolmogorov-Smirnov GOF
5% K-S Critical Value	0.11	Detected Data Not Gamma Distributed at 5% Significance Level

Detected Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	0.313	k star (bias corrected MLE)	0.31
Theta hat (MLE)	229.7	Theta star (bias corrected MLE)	232.3
nu hat (MLE)	48.21	nu star (bias corrected)	47.67
Mean (detects)	71.9		

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

54	GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)										
55	For such situations, GROS method may yield incorrect values of UCLs and BTVs										
56	This is especially true when the sample size is small.										
57	For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates										
58				Minimum	0.01			Mean	62.21		
59				Maximum	3500			Median	7.2		
60				SD	397.1			CV	6.383		
61				k hat (MLE)	0.242			k star (bias corrected MLE)	0.242		
62				Theta hat (MLE)	256.7			Theta star (bias corrected MLE)	257.4		
63				nu hat (MLE)	43.15			nu star (bias corrected)	43.02		
64				Adjusted Level of Significance (β)	0.0473						
65				Approximate Chi Square Value (43.02, α)	28.98			Adjusted Chi Square Value (43.02, β)	28.8		
66				95% Gamma Approximate UCL (use when n>=50)	92.34			95% Gamma Adjusted UCL (use when n<50)	92.95		
67											
68				Estimates of Gamma Parameters using KM Estimates							
69				Mean (KM)	62.34			SD (KM)	394.8		
70				Variance (KM)	155862			SE of Mean (KM)	42.12		
71				k hat (KM)	0.0249			k star (KM)	0.0316		
72				nu hat (KM)	4.438			nu star (KM)	5.622		
73				theta hat (KM)	2500			theta star (KM)	1974		
74				80% gamma percentile (KM)	0.971			90% gamma percentile (KM)	41.27		
75				95% gamma percentile (KM)	252.8			99% gamma percentile (KM)	1587		
76											
77				Gamma Kaplan-Meier (KM) Statistics							
78				Approximate Chi Square Value (5.62, α)	1.45			Adjusted Chi Square Value (5.62, β)	1.416		
79				95% Gamma Approximate KM-UCL (use when n>=50)	241.7			95% Gamma Adjusted KM-UCL (use when n<50)	247.6		
80											
81				Lognormal GOF Test on Detected Observations Only							
82				Shapiro Wilk Approximate Test Statistic	0.727			Shapiro Wilk GOF Test			
83				5% Shapiro Wilk P Value	0			Detected Data Not Lognormal at 5% Significance Level			
84				Lilliefors Test Statistic	0.225			Lilliefors GOF Test			
85				5% Lilliefors Critical Value	0.101			Detected Data Not Lognormal at 5% Significance Level			
86	Detected Data Not Lognormal at 5% Significance Level										
87											
88				Lognormal ROS Statistics Using Imputed Non-Detects							
89				Mean in Original Scale	62.34			Mean in Log Scale	1.799		
90				SD in Original Scale	397			SD in Log Scale	1.3		
91				95% t UCL (assumes normality of ROS data)	132.3			95% Percentile Bootstrap UCL	141.1		
92				95% BCA Bootstrap UCL	203.8			95% Bootstrap t UCL	4103		
93				95% H-UCL (Log ROS)	20.02						
94											
95				Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution							
96				KM Mean (logged)	1.801			KM Geo Mean	6.055		
97				KM SD (logged)	1.285			95% Critical H Value (KM-Log)	2.535		
98				KM Standard Error of Mean (logged)	0.137			95% H-UCL (KM -Log)	19.58		
99				KM SD (logged)	1.285			95% Critical H Value (KM-Log)	2.535		
100				KM Standard Error of Mean (logged)	0.137						
101											
102				DL/2 Statistics							
103				DL/2 Normal				DL/2 Log-Transformed			
104				Mean in Original Scale	62.27			Mean in Log Scale	1.71		
105				SD in Original Scale	397			SD in Log Scale	1.436		
106				95% t UCL (Assumes normality)	132.2			95% H-Stat UCL	23.46		

	A	B	C	D	E	F	G	H	I	J	K	L
107					DL/2 is not a recommended method, provided for comparisons and historical reasons							
108												
109					Nonparametric Distribution Free UCL Statistics							
110					Data do not follow a Discernible Distribution at 5% Significance Level							
111												
112					Suggested UCL to Use							
113					95% KM (Chebyshev) UCL	245.9						
114												
115					Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.							
116					Recommendations are based upon data size, data distribution, and skewness.							
117					These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).							
118					However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.							
119												

Appendix D

Additional VIRS Discussion

After applying the applicable CalEPA-recommended attenuation factor of 0.03 to the maximum reported concentrations of VOCs in soil vapor beneath the Site (i.e., benzene, ethylbenzene, m,p-xylene, o-xylene, and PCE), the maximum theoretical concentrations of benzene and ethylbenzene in indoor air at the Site exceed the commercial and residential screening levels (DTSC-SLs) and m,p-xylene and PCE in indoor air at the Site exceed the residential screening levels (DTSC-SLs).

However, SCS notes that the Supplemental Draft Guidance is intended to be used as a supplement to other regulatory guidance documents, and states in the document's Executive Summary that the document was prepared "as a supplement to existing information, not as a standalone document," and "may be used in conjunction with existing California guidance." As stated in the Supplemental Draft Guidance:

> "The Supplemental Guidance sets forth one approach that may be used by practitioners and regulators when screening buildings for potential health risk to building occupants from subsurface vapor contamination."

SCS further notes that the Supplemental Draft Guidance remains in "Final Draft" form, and contains a disclaimer stating:

> "Disclaimer: This document is guidance and is not regulation or a water quality control plan or policy, therefore, use of this Supplemental Guidance is optional. This Supplemental Guidance describes a proactive approach for evaluating vapor intrusion in California. This Supplemental Guidance is not binding on California Environmental Protection Agencies or staff, or on stakeholders or other members of the public. This Supplemental Guidance does not exclude alternative methodologies, nor does it provide prescriptive or inflexible requirements. This Supplemental Guidance does not supersede or implement laws or regulations and does not have the force or effect of law.

Further, Page 3 of the Supplemental Draft Guidance states:

> "The Supplemental Guidance should not be used as a regulation, order, or directive. California and Federal statutes and regulations should be the basis for any such order or directive. This guidance itself is not legally binding and does not require any specific actions."

In addition, the Supplemental Draft Guidance does not preclude the use of alternative approaches, as specified on Page 2 of the document:

> "This Supplemental Guidance does not preclude the use of alternative approaches for evaluating exposure, nor does it provide prescriptive or inflexible requirements. [...] Although this guidance supports the use of USEPA's AFs (USEPA, 2015a) for initial screening of buildings, alternative approaches may be used if supported by adequate technical and site information."

The document goes on to state that alternative approaches should be based on multiple lines of evidence (LOE), which "provide a more comprehensive understanding of vapor intrusion (VI) at a site and increase confidence in assessing and managing potential health risks from the VI pathway." Attachment 1 of the Supplemental Draft Guidance provides a discussion on LOEs and how they should be evaluated.

SCS notes, as additional LOEs, several peer-reviewed scientific studies[13,14,15], including one prepared by DTSC staff based on a DTSC AF database for sites in California, that indicate the use of 0.03 as the default AF for sub-slab and deeper soil gas for both residential and commercial buildings in California is not appropriate, as it is not representative of VOC attenuation across slab-on-grade foundations, nor representative for commercial buildings, in particular, in the State of California. In our opinion, these LOEs supersede or obviate the suggested approach to screening sites presented in the Supplemental Draft Guidance.

The 0.03 AF was derived in the 2012 U.S. EPA's Vapor Intrusion Database: Evaluation and Characterization of Attenuation Factors for Chlorinated Volatile Organic Compounds and Residential Buildings (EPA Database Report), which complies data from 913 buildings from 41 Sites across 15 states. However, only a small fraction of the attenuation factors in the EPA Database are based on data collected in California; the majority of the data are from states with cold climates where the stack effect due to building heating is expected to enhance the potential for VI, and are therefore not representative of the vast majority of VOC release sites in California. In addition, of the six EPA Database sites located in California, only two are commercial; the remainder of the Sites consist of single-family homes.

Independent, peer reviewed studies of commercial attenuation factors in California (2018[16] and 2021[17]) suggest AFs ranging from 0.00012 (median) to 0.0019 (95th percentile). These studies determined an AF for the target VOCs of 0.0008 based on a reliability analysis reported in USEPA (2015a) and based on a filtered database[18] including 788 vapor data pairs, 71 buildings, and 23 VI sites. The filtered vapor data were ultimately used to derive the AF in order to limit chemical-specific variability and reduce potential bias from background (non-VI) sources that was more significant for PCE.

An AF of 0.0008 is more than an order of magnitude less than the default USEPA value (0.03), but is comparable to the AFs previously applied in the DTSC 2011 Vapor Intrusion Guidance (0.001 for an existing commercial building and 0.0005 for a future commercial building).

In addition, a sub-committee within the DTSC has compiled its own AF database for sites within California, which was presented in a July 2020 white paper[12]. During a presentation at the 2021 Association for Environmental Health and Sciences Foundation (AEHS) 30th Annual International Conference on Soil, Water, Energy, and Air, Mr. Rafat Abbasi of the DTSC presented *Technical Aspects of Vapor Intrusion Evaluations at California Sites*. The 2020 DTSC database presented in this study includes data from 52 sites located in 16 counties across California, and was subjected to extensive quality assurance and quality control review by DTSC staff.

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13 Rafat Abbasi, PE, Dan Gallagher, PG,, and Dr. William Bosan, PhD, 2020. DTSC's Vapor Intrusion Database: Evaluation of Attenuation Factors for Buildings in California. July 23, 2020. Obtained via a Freedom of Information Act request and peer reviewed pursuant to HSC Section 57004.

14 Ettinger et al., 2018. Empirical Analysis of Vapor Intrusion Attenuation Factors for Sub-Slab and Soil Vapor – An Updated Assessment for California Sites, Paper # VI22, Presented at the Vapor Intrusion, Remediation, and Site Closure Conference December 5 - 6, 2018 Phoenix, AZ.

15 Lahvis, M.A., Ettinger, R.A., 2021, Improving Risk-Based Screening at Vapor Intrusion Sites in California, Groundwater Monitoring & Remediation 41, no. 2/ Spring 2021/pages 73–86.

16 Ettinger et al., 2018. Empirical Analysis of Vapor Intrusion Attenuation Factors for Sub-Slab and Soil Vapor – An Updated Assessment for California Sites, Paper # VI22, Presented at the Vapor Intrusion, Remediation, and Site Closure Conference December 5 - 6, 2018 Phoenix, AZ.

17 Lahvis, M.A., Ettinger, R.A., 2021, Improving Risk-Based Screening at Vapor Intrusion Sites in California, Groundwater Monitoring & Remediation 41, no. 2/ Spring 2021/pages 73–86.

18 Original data set consisting of 8,415 pairs of data from 485 buildings was filtered to remove data of suspect quality from potential non-VI (background) sources.

Results for the 2020 DTSC database after appropriate screening (i.e., baseline and source strength screening) indicated an AF for all buildings of 0.005 for sub-slab soil gas, and 0.0009 for soil gas. For commercial buildings, the resulting AFs were 0.003 for sub-slab soil gas and 0.002 for soil gas. Due to a limited residential dataset, after filtering for source strength, insufficient residential sub-slab data were available for statistical analysis.

Overall, the 2020 DTSC AF values, as well as AF values obtained in other peer reviewed studies, are an order of magnitude less than the default USEPA AF of 0.03, but are comparable to the AFs presented in the DTSC 2011 Vapor Intrusion Guidance, which SCS considers to be representative of conditions in the State of California.

Based on our review of independent and peer reviewed literature, SCS is of the opinion that the attenuation factor of 0.03 is not representative of Site conditions, as explained above. Nevertheless, certain regulatory agencies and lenders are relying on the CalEPA-recommended AF of 0.03 to screen and evaluate sites for potential vapor intrusion issues, and, to the extent a specific regulator or lender is involved with any given site or real estate transaction, we recommend you contact them to discuss the determination of applicable regulations and/or guidance regarding vapor intrusion.

Appendix E

Temporary Well Boring Logs

SCS ENGINEERS

BOREHOLE LOG

Number: DP-23-034

8799 Balboa Avenue, Suite 290
San Diego, California 92123-1568

Client: Midway Rising, LLC

Job No: 01213320.07

Sheet: 1 of 1

Logged by: Allison O'Neal

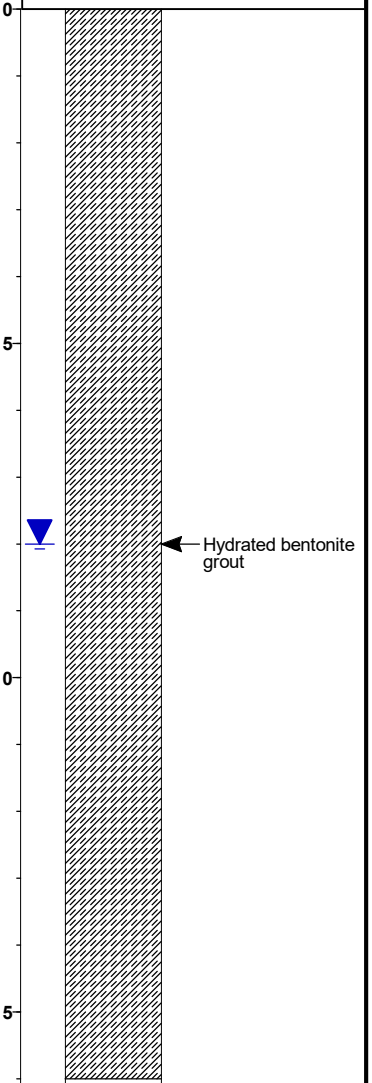
Location: Sports Arena
San Diego, CA

Drilling Company: Kehoe

Date Drilled:	Date Drafted:	Drilling / Sampling Method	Borehole Dia.:	Total Depth:	Backfill Quantity:
2/6/23	3/28/23	Hand Auger and Direct Push / Bailor	2 1/8"	16.0	0.394 cu. ft.

Depth (feet)	Sample Interval	Sample Number	PID (ppm)	Lab Results gas/diesel/oil (mg/kg)	USCS Soil Class.	Graphic Log	Description (Formation, soil type, grain, minor soil component, moisture, density, odor, etc.)
0							Reinforced concrete.
1	☒	DP-23-034-0.5'	0.0	<10/<10/<50			Brown, SILTY, very fine- to fine-grained SAND, no obvious staining or odors. Same as above with some sparse gravel and clay.
2							
3	☒	DP-23-034-2.5'	0.0	NA/NA/NA			
4							
5	☒	DP-23-034-5'	0.0	<9.9/<9.9/<50			Same as above, some dark brown sand and gravel. Brown to gray SILTY, fine- to medium-grained SAND, some sparse gravel, no obvious staining or odor.
6							6 to 7 feet below grade, same as above.
7							
8	☒	DP-23-034-7.5'	0.0	NA/NA/NA	SM		Same as above except light brown. Groundwater encountered at approximately 8 to 10 feet below grade. Drilled to 16 feet below grade to get flow.
9							
10	☒	DP-23-034-10'	0.0	<9.9/<9.9/<50			Same as above, except dark brown and saturated.
11							
12							
13							
14							
15							
16							Same as above. Boring terminated at 16 feet below grade. Backfilled with hydrated bentonite grout.
17							
18							
19							
20							

Completion Detail



Logged By: Allison O'Neal Title: Staff Professional Date: 2/6/23

Reviewed By: Chuck Houser License No: 945 Date: 5/8/2023

SD BORING TPH LOG 01213320.07 BORING LOGS.GPJ GINT STD US.GDT 3/28/23

SCS ENGINEERS

BOREHOLE LOG

Number: DP-23-035

8799 Balboa Avenue, Suite 290
San Diego, California 92123-1568

Client: Midway Rising, LLC

Job No: 01213320.07

Sheet: 1 of 1

Logged by: Allison O'Neal

Location: Sports Arena, San Diego, CA

Drilling Company: Kehoe

Date Drilled:	Date Drafted:	Drilling / Sampling Method	Borehole Dia.:	Total Depth:	Backfill Quantity:
2/7/23	3/28/23	Direct Push / Bailor	2 1/8"	16.0	0.394 cu. ft.

Depth (feet)	Sample Interval	Sample Number	PID (ppm)	Lab Results gas/diesel/oil (mg/kg)	USCS Soil Class.	Graphic Log	Description (Formation, soil type, grain, minor soil component, moisture, density, odor, etc.)
0							Unpaved.
1	☒	DP-23-035-0.5'	0.0	<10/<10/<50			0 - 1 foot below grade, dark brown, SILTY, very fine- to fine-grained SAND.
2	☒	DP-23-035-1.5'	0.0	NA/NA/NA			1 - 1.5 feet below grade, light brown, very fine- to fine-grained SAND.
3	☒	DP-23-035-2.5'	0.0	NA/NA/NA			1.5 feet below grade, dark brown, fine- to medium-grained SAND, no obvious staining or odor.
4							
5	☒	DP-23-035-5'	0.0	<10/<10/<50			
6							
7							
8	☒	DP-23-035-7.5'	0.0	NA/NA/NA	SM		
9							
10	☒	DP-23-035-10'	0.0	<10/<10/<50			Groundwater encountered at approximately 10 feet below grade.
11							
12							
13							
14							
15							
16							Boring terminated at 16 feet below grade. Backfilled with hydrated bentonite grout.
17							
18							
19							
20							

Completion Detail: Hydrated bentonite grout

Logged By: Allison O'Neal Title: Staff Professional Date: 2/7/23

Reviewed By: Chuck Houser License No: 945 Date: 5/8/2023

SD BORING TPH LOG 01213320.07 BORING LOGS.GPJ GINT STD US.GDT 3/28/23

SCS ENGINEERS

BOREHOLE LOG

Number: DP-23-036

8799 Balboa Avenue, Suite 290
San Diego, California 92123-1568

Client: Midway Rising, LLC

Job No: 01213320.07

Sheet: 1 of 1

Logged by: Allison O'Neal

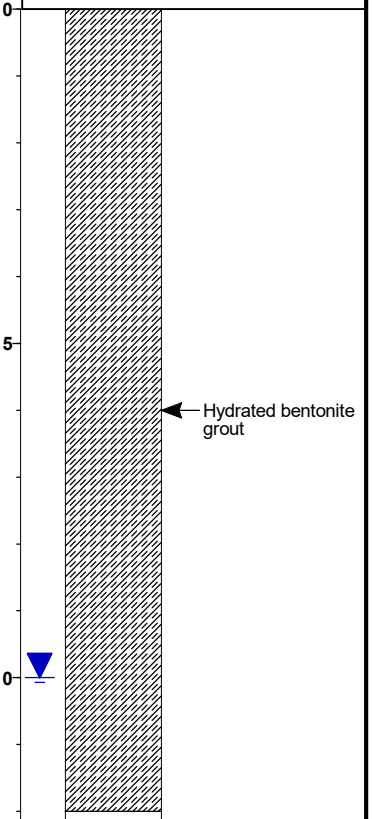
Location: Sports Arena
San Diego, CA

Drilling Company: Kehoe

Date Drilled:	Date Drafted:	Drilling / Sampling Method	Borehole Dia.:	Total Depth:	Backfill Quantity:
2/6/23	5/5/23	Direct Push / Bailor	2 1/8"	12.0	0.296 cu. ft.

Depth (feet)	Sample Interval	Sample Number	PID (ppm)	Lab Results gas/diesel/oil (mg/kg)	USCS Soil Class.	Graphic Log	Description (Formation, soil type, grain, minor soil component, moisture, density, odor, etc.)
0							Asphalt.
1	☒	DP-23-036-0.5'	0.0	<9.9/<9.9/<50			0 - 3 feet below grade, brown, SILTY, fine- to medium-grained SAND, no obvious staining or odors.
2							
3	☒	DP-23-036-2.5'	0.0	NA/NA/NA			
	☒	DP-23-036-3'	0.0	NA/NA/NA			3 - 4 feet below grade, dark brown, SILTY, fine- to medium-grained SAND, some black charring possible, no obvious staining or odors.
4	☒	DP-23-036-3.5'	0.0	NA/NA/NA			4 - 12 feet below grade, same as above with no charring.
5	☒	DP-23-036-5'	0.0	<9.9/<9.9/<50			
6					SM		
7							
8	☒	DP-23-036-7.5'	0.0	NA/NA/NA			
9							
10	☒	DP-23-036-10'	0.0	<9.9/<9.9/<50			Groundwater encountered at approximately 10 feet below grade.
11							
12							Boring terminated at 12 feet below grade. Backfilled with hydrated bentonite grout.
13							
14							
15							
16							
17							
18							
19							
20							

Completion Detail



Logged By: Allison O'Neal Title: Staff Professional Date: 2/6/23

Reviewed By: Chuck Houser License No: 945 Date: 5/8/2023

SD BORING TPH LOG 01213320.07 BORING LOGS.GPJ GINT STD US.GDT 5/5/23

SCS ENGINEERS

BOREHOLE LOG

Number: DP-23-037

8799 Balboa Avenue, Suite 290
San Diego, California 92123-1568

Client: Midway Rising, LLC

Job No: 01213320.07

Sheet: 1 of 1

Logged by: Allison O'Neal

Location: Sports Arena, San Diego, CA

Drilling Company: Kehoe

Date Drilled:	Date Drafted:	Drilling / Sampling Method	Borehole Dia.:	Total Depth:	Backfill Quantity:
2/6/23	3/28/23	Direct Push / Bailor	2 1/8"	20.0	0.493 cu. ft.

Depth	Sample Information					Graphic Log	Description	Completion Detail
feet	Sample Interval	Sample Number	PID (ppm)	Lab Results gas/diesel/oil (mg/kg)	USCS Soil Class.		Formation, soil type, grain, minor soil component, moisture, density, odor, etc.	
0	☒	DP-23-037-0.5'	0.0	<10/<10/<50			Asphalt cover. 0 - 20 feet below grade, brown, SILTY, fine- to medium-grained SAND with sparse gravel, no obvious staining or odors.	
	☒	DP-23-037-2.5'	0.0	NA/NA/NA			2.5 feet below grade, same as above.	
5	☒	DP-23-037-5'	0.0	<9.9/<9.9/<50			5 feet below grade, same as above.	
	☒	DP-23-037-7.5'	0.0	NA/NA/NA			7.5 feet below grade, same as above.	
10	☒	DP-23-037-10'	0.0	<10/<10/<50	SM		10 feet below grade, same as above.	Hydrated bentonite grout
15								
20							Boring terminated at 20 feet below grade. Backfilled with hydrated bentonite grout.	
25								

Logged By: Allison O'Neal Title: Staff Professional Date: 2/6/23

Reviewed By: Chuck Houser License No: 945 Date: 5/8/2023

SD BORING TPH LOG 01213320.07 BORING LOGS.GPJ GINT STD US.GDT 3/28/23